

**Table S4: Deletions detected by NGS.** All deletions detected by NGS either in HAB or LAB mice are listed including information on the genomic position. Depending on the occurrence in HAB or in LAB, the deletions are numbered in ascending order according to their genomic position (e.g. H1 for the first deletion in HAB).

type	mouse line	no.	chr	start	end	size
del	HAB	H 1	1	3,077,201	3,089,601	12,400
del	HAB	H 2	1	3,126,801	3,154,401	27,600
del	LAB	L 1	1	3,126,801	3,154,401	27,600
del	HAB	H 3	1	3,331,001	3,338,601	7,600
del	HAB	H 4	1	3,489,601	3,492,601	3,000
del	LAB	L 2	1	3,490,201	3,492,601	2,400
del	HAB	H 5	1	4,065,001	4,070,001	5,000
del	HAB	H 6	1	4,426,601	4,434,801	8,200
del	LAB	L 3	1	4,427,401	4,434,801	7,400
del	HAB	H 7	1	4,549,001	4,555,401	6,400
del	LAB	L 4	1	4,549,001	4,555,801	6,800
del	HAB	H 8	1	5,099,401	5,104,601	5,200
del	LAB	L 5	1	5,099,801	5,104,201	4,400
del	HAB	H 9	1	5,182,401	5,189,601	7,200
del	LAB	L 6	1	5,182,401	5,189,801	7,400
del	HAB	H 10	1	5,340,601	5,350,201	9,600
del	LAB	L 7	1	5,341,001	5,349,601	8,600
del	HAB	H 11	1	5,415,401	5,430,601	15,200
del	LAB	L 8	1	5,415,601	5,430,601	15,000
del	LAB	L 9	1	5,462,601	5,470,401	7,800
del	HAB	H 12	1	5,463,001	5,470,401	7,400
del	HAB	H 13	1	5,619,401	5,625,801	6,400
del	LAB	L 10	1	5,619,601	5,625,801	6,200
del	LAB	L 11	1	6,538,401	6,557,001	18,600
del	HAB	H 14	1	6,541,201	6,558,601	17,400
del	LAB	L 12	1	6,619,601	6,625,601	6,000
del	HAB	H 15	1	6,619,801	6,625,601	5,800
del	HAB	H 16	1	6,680,801	6,685,401	4,600
del	LAB	L 13	1	6,681,401	6,686,001	4,600
del	HAB	H 17	1	6,904,401	6,911,801	7,400
del	LAB	L 14	1	6,904,401	6,911,801	7,400
del	HAB	H 18	1	7,176,801	7,187,201	10,400
del	LAB	L 15	1	7,177,201	7,186,801	9,600
del	HAB	H 19	1	7,265,801	7,273,401	7,600
del	LAB	L 16	1	7,266,201	7,274,001	7,800
del	LAB	L 17	1	7,318,601	7,329,401	10,800
del	HAB	H 20	1	7,318,801	7,329,201	10,400
del	HAB	H 21	1	7,466,801	7,473,801	7,000
del	LAB	L 18	1	7,466,801	7,473,801	7,000
del	HAB	H 22	1	7,600,401	7,611,601	11,200
del	LAB	L 19	1	7,603,801	7,611,401	7,600
del	HAB	H 23	1	7,695,601	7,711,601	16,000
del	LAB	L 20	1	7,695,801	7,711,001	15,200
del	LAB	L 21	1	7,780,201	7,801,001	20,800
del	HAB	H 24	1	7,781,001	7,800,201	19,200
del	HAB	H 25	1	7,826,601	7,842,601	16,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 22	1	7,827,201	7,837,601	10,400
del	HAB	H 26	1	7,871,801	7,878,801	7,000
del	LAB	L 23	1	7,872,001	7,878,801	6,800
del	HAB	H 27	1	7,918,801	7,940,401	21,600
del	LAB	L 24	1	7,932,601	7,939,801	7,200
del	HAB	H 28	1	7,981,401	7,991,001	9,600
del	LAB	L 25	1	7,983,601	7,990,801	7,200
del	HAB	H 29	1	8,017,001	8,021,001	4,000
del	LAB	L 26	1	8,017,201	8,020,801	3,600
del	HAB	H 30	1	8,101,401	8,108,201	6,800
del	LAB	L 27	1	8,101,801	8,107,801	6,000
del	HAB	H 31	1	8,115,201	8,119,601	4,400
del	HAB	H 32	1	8,146,001	8,153,201	7,200
del	LAB	L 28	1	8,146,001	8,153,201	7,200
del	HAB	H 33	1	8,180,201	8,187,201	7,000
del	LAB	L 29	1	8,180,201	8,187,201	7,000
del	HAB	H 34	1	8,199,001	8,217,201	18,200
del	LAB	L 30	1	8,199,801	8,212,201	12,400
del	HAB	H 35	1	8,223,001	8,246,001	23,000
del	LAB	L 31	1	8,223,201	8,245,601	22,400
del	HAB	H 36	1	8,497,801	8,511,801	14,000
del	LAB	L 32	1	8,502,201	8,511,801	9,600
del	HAB	H 37	1	8,619,001	8,627,001	8,000
del	LAB	L 33	1	8,619,401	8,626,401	7,000
del	HAB	H 38	1	8,648,401	8,660,401	12,000
del	LAB	L 34	1	8,648,401	8,660,001	11,600
del	HAB	H 39	1	8,678,001	8,720,201	42,200
del	LAB	L 35	1	8,678,201	8,720,401	42,200
del	HAB	H 40	1	8,759,801	8,765,801	6,000
del	LAB	L 36	1	8,759,801	8,766,001	6,200
del	HAB	H 41	1	9,029,001	9,046,801	17,800
del	LAB	L 37	1	9,029,801	9,055,801	26,000
del	HAB	H 42	1	9,083,401	9,087,801	4,400
del	LAB	L 38	1	9,083,601	9,087,801	4,200
del	LAB	L 39	1	9,108,201	9,115,001	6,800
del	HAB	H 43	1	9,108,601	9,115,601	7,000
del	HAB	H 44	1	9,165,201	9,174,401	9,200
del	LAB	L 40	1	9,165,401	9,174,801	9,400
del	LAB	L 41	1	9,224,401	9,241,401	17,000
del	HAB	H 45	1	9,224,601	9,241,001	16,400
del	HAB	H 46	1	9,395,401	9,403,201	7,800
del	LAB	L 42	1	9,395,801	9,401,801	6,000
del	HAB	H 47	1	10,373,601	10,383,201	9,600
del	LAB	L 43	1	10,405,801	10,413,601	7,800
del	HAB	H 48	1	10,406,201	10,413,601	7,400
del	HAB	H 49	1	10,523,401	10,535,601	12,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 44	1	10,523,401	10,532,001	8,600
del	HAB	H 50	1	10,719,801	10,735,401	15,600
del	LAB	L 45	1	10,719,801	10,734,601	14,800
del	HAB	H 51	1	10,876,401	10,886,201	9,800
del	LAB	L 46	1	10,877,001	10,886,001	9,000
del	HAB	H 52	1	10,961,001	10,974,001	13,000
del	LAB	L 47	1	10,961,401	10,974,001	12,600
del	HAB	H 53	1	11,019,601	11,023,401	3,800
del	LAB	L 48	1	11,019,801	11,023,201	3,400
del	LAB	L 49	1	11,596,801	11,618,601	21,800
del	HAB	H 54	1	11,599,801	11,617,201	17,400
del	LAB	L 50	1	11,657,001	11,677,601	20,600
del	HAB	H 55	1	11,664,001	11,677,801	13,800
del	LAB	L 51	1	11,697,801	11,719,601	21,800
del	HAB	H 56	1	11,698,001	11,720,201	22,200
del	HAB	H 57	1	11,766,401	11,773,601	7,200
del	LAB	L 52	1	11,766,601	11,773,801	7,200
del	HAB	H 58	1	11,841,201	11,854,601	13,400
del	LAB	L 53	1	11,841,401	11,854,201	12,800
del	HAB	H 59	1	11,877,201	11,882,601	5,400
del	LAB	L 54	1	11,877,201	11,883,401	6,200
del	HAB	H 60	1	12,028,401	12,036,601	8,200
del	LAB	L 55	1	12,028,601	12,035,801	7,200
del	HAB	H 61	1	12,202,601	12,216,001	13,400
del	LAB	L 56	1	12,202,801	12,215,801	13,000
del	HAB	H 62	1	13,197,801	13,204,201	6,400
del	LAB	L 57	1	13,197,801	13,204,001	6,200
del	HAB	H 63	1	13,466,601	13,474,001	7,400
del	LAB	L 58	1	13,467,001	13,473,801	6,800
del	HAB	H 64	1	13,501,201	13,505,401	4,200
del	LAB	L 59	1	13,501,201	13,505,601	4,400
del	HAB	H 65	1	13,541,201	13,546,801	5,600
del	LAB	L 60	1	13,541,201	13,546,801	5,600
del	LAB	L 61	1	13,711,601	13,727,401	15,800
del	HAB	H 66	1	13,711,801	13,727,601	15,800
del	LAB	L 62	1	13,744,001	13,757,601	13,600
del	HAB	H 67	1	13,745,601	13,757,801	12,200
del	HAB	H 68	1	13,803,201	13,810,601	7,400
del	LAB	L 63	1	13,803,201	13,810,001	6,800
del	HAB	H 69	1	13,876,001	13,882,801	6,800
del	LAB	L 64	1	13,876,001	13,882,801	6,800
del	HAB	H 70	1	13,898,801	13,903,601	4,800
del	HAB	H 71	1	14,073,601	14,081,801	8,200
del	LAB	L 65	1	14,073,801	14,082,001	8,200
del	HAB	H 72	1	14,355,201	14,358,001	2,800
del	LAB	L 66	1	14,355,601	14,357,601	2,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 73	1	14,433,601	14,441,601	8,000
del	LAB	L 67	1	14,433,601	14,441,401	7,800
del	HAB	H 74	1	14,966,601	14,986,001	19,400
del	LAB	L 68	1	14,967,201	14,990,001	22,800
del	HAB	H 75	1	15,066,601	15,086,201	19,600
del	LAB	L 69	1	15,066,601	15,086,001	19,400
del	LAB	L 70	1	15,254,401	15,261,601	7,200
del	HAB	H 76	1	15,478,801	15,492,201	13,400
del	LAB	L 71	1	15,478,801	15,492,201	13,400
del	LAB	L 72	1	15,725,001	15,734,001	9,000
del	HAB	H 77	1	15,726,201	15,734,201	8,000
del	HAB	H 78	1	15,914,401	15,918,801	4,400
del	LAB	L 73	1	15,914,401	15,918,801	4,400
del	HAB	H 79	1	15,938,201	15,945,001	6,800
del	LAB	L 74	1	15,938,601	15,944,401	5,800
del	HAB	H 80	1	16,020,601	16,027,001	6,400
del	LAB	L 75	1	16,021,001	16,027,001	6,000
del	HAB	H 81	1	16,060,401	16,065,001	4,600
del	LAB	L 76	1	16,060,401	16,064,401	4,000
del	HAB	H 82	1	16,440,401	16,447,201	6,800
del	LAB	L 77	1	16,440,401	16,447,401	7,000
del	HAB	H 83	1	16,462,801	16,468,201	5,400
del	LAB	L 78	1	16,612,001	16,616,201	4,200
del	HAB	H 84	1	16,612,201	16,616,401	4,200
del	LAB	L 79	1	16,700,001	16,704,201	4,200
del	HAB	H 85	1	16,700,401	16,704,401	4,000
del	HAB	H 86	1	16,722,801	16,736,001	13,200
del	LAB	L 80	1	16,724,201	16,736,401	12,200
del	HAB	H 87	1	16,928,801	16,944,401	15,600
del	LAB	L 81	1	17,314,401	17,319,801	5,400
del	HAB	H 88	1	17,453,401	17,468,201	14,800
del	LAB	L 82	1	17,453,401	17,468,401	15,000
del	LAB	L 83	1	17,660,601	17,680,801	20,200
del	HAB	H 89	1	17,664,201	17,680,801	16,600
del	HAB	H 90	1	17,946,601	17,954,601	8,000
del	LAB	L 84	1	17,947,001	17,954,201	7,200
del	HAB	H 91	1	18,073,201	18,089,001	15,800
del	LAB	L 85	1	18,429,601	18,440,401	10,800
del	HAB	H 92	1	18,435,201	18,440,801	5,600
del	HAB	H 93	1	18,468,801	18,473,601	4,800
del	LAB	L 86	1	18,468,801	18,472,401	3,600
del	HAB	H 94	1	18,641,201	18,652,801	11,600
del	LAB	L 87	1	18,642,601	18,652,201	9,600
del	HAB	H 95	1	18,869,401	18,877,801	8,400
del	LAB	L 88	1	18,869,801	18,878,401	8,600
del	HAB	H 96	1	18,923,001	18,928,801	5,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 89	1	18,923,201	18,929,201	6,000
del	HAB	H 97	1	19,361,001	19,394,201	33,200
del	LAB	L 90	1	19,362,001	19,370,401	8,400
del	LAB	L 91	1	19,384,801	19,394,601	9,800
del	LAB	L 92	1	19,421,401	19,435,401	14,000
del	HAB	H 98	1	19,421,601	19,435,001	13,400
del	HAB	H 99	1	19,612,401	19,619,401	7,000
del	LAB	L 93	1	19,612,601	19,619,201	6,600
del	HAB	H 100	1	19,677,201	19,684,201	7,000
del	LAB	L 94	1	19,677,401	19,683,401	6,000
del	LAB	L 95	1	19,828,601	19,835,601	7,000
del	HAB	H 101	1	19,828,801	19,835,801	7,000
del	HAB	H 102	1	20,193,801	20,196,801	3,000
del	LAB	L 96	1	20,194,201	20,196,801	2,600
del	HAB	H 103	1	20,267,801	20,275,201	7,400
del	LAB	L 97	1	20,268,201	20,275,001	6,800
del	HAB	H 104	1	20,417,201	20,429,801	12,600
del	LAB	L 98	1	20,417,201	20,429,601	12,400
del	HAB	H 105	1	20,564,401	20,571,201	6,800
del	LAB	L 99	1	20,564,801	20,571,001	6,200
del	LAB	L 100	1	20,695,401	20,708,001	12,600
del	HAB	H 106	1	20,695,601	20,706,801	11,200
del	HAB	H 107	1	21,105,001	21,112,001	7,000
del	LAB	L 101	1	21,105,001	21,111,801	6,800
del	HAB	H 108	1	21,339,001	21,345,001	6,000
del	LAB	L 102	1	21,564,201	21,575,401	11,200
del	HAB	H 109	1	21,564,601	21,575,601	11,000
del	HAB	H 110	1	21,985,201	21,992,601	7,400
del	LAB	L 103	1	21,985,401	21,992,401	7,000
del	LAB	L 104	1	22,073,001	22,084,801	11,800
del	HAB	H 111	1	22,075,201	22,085,201	10,000
del	LAB	L 105	1	22,140,601	22,153,201	12,600
del	HAB	H 112	1	22,141,001	22,153,201	12,200
del	LAB	L 106	1	23,303,201	23,321,001	17,800
del	HAB	H 113	1	23,305,801	23,320,601	14,800
del	LAB	L 107	1	23,786,601	23,793,201	6,600
del	LAB	L 108	1	24,503,401	24,509,601	6,200
del	HAB	H 114	1	24,686,801	24,736,201	49,400
del	LAB	L 109	1	24,687,201	24,736,001	48,800
del	HAB	H 115	1	24,860,801	24,865,601	4,800
del	LAB	L 110	1	24,860,801	24,865,401	4,600
del	HAB	H 116	1	25,577,201	25,583,201	6,000
del	LAB	L 111	1	25,577,201	25,583,001	5,800
del	HAB	H 117	1	25,647,601	25,660,601	13,000
del	LAB	L 112	1	25,647,801	25,666,201	18,400
del	LAB	L 113	1	26,058,601	26,064,001	5,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 118	1	26,059,801	26,064,401	4,600
del	LAB	L 114	1	26,405,401	26,410,801	5,400
del	LAB	L 115	1	26,470,801	26,498,401	27,600
del	HAB	H 119	1	26,473,001	26,498,601	25,600
del	LAB	L 116	1	26,544,001	26,559,201	15,200
del	HAB	H 120	1	26,544,201	26,558,601	14,400
del	LAB	L 117	1	26,991,601	27,002,601	11,000
del	HAB	H 121	1	26,993,601	27,003,401	9,800
del	HAB	H 122	1	27,074,801	27,085,201	10,400
del	LAB	L 118	1	27,216,601	27,223,401	6,800
del	LAB	L 119	1	27,236,401	27,250,801	14,400
del	HAB	H 123	1	27,567,601	27,578,201	10,600
del	LAB	L 120	1	27,567,601	27,578,401	10,800
del	HAB	H 124	1	27,799,601	27,818,601	19,000
del	LAB	L 121	1	27,800,401	27,818,201	17,800
del	HAB	H 125	1	28,945,801	28,949,201	3,400
del	HAB	H 126	1	29,424,801	29,436,601	11,800
del	LAB	L 122	1	29,467,201	29,473,801	6,600
del	HAB	H 127	1	29,467,601	29,473,401	5,800
del	LAB	L 123	1	29,700,401	29,715,601	15,200
del	LAB	L 124	1	29,754,801	29,766,601	11,800
del	HAB	H 128	1	29,756,801	29,773,601	16,800
del	HAB	H 129	1	29,893,201	29,898,801	5,600
del	LAB	L 125	1	29,893,201	29,898,401	5,200
del	LAB	L 126	1	29,999,601	30,006,201	6,600
del	LAB	L 127	1	30,087,401	30,104,001	16,600
del	HAB	H 130	1	30,090,601	30,104,001	13,400
del	HAB	H 131	1	30,122,001	30,135,001	13,000
del	LAB	L 128	1	30,122,001	30,135,001	13,000
del	HAB	H 132	1	30,355,401	30,368,601	13,200
del	LAB	L 129	1	30,355,601	30,368,601	13,000
del	HAB	H 133	1	30,663,001	30,676,001	13,000
del	LAB	L 130	1	30,663,001	30,675,801	12,800
del	LAB	L 131	1	30,714,201	30,730,401	16,200
del	HAB	H 134	1	30,716,801	30,730,001	13,200
del	HAB	H 135	1	30,744,601	30,766,801	22,200
del	HAB	H 136	1	30,781,801	30,798,801	17,000
del	LAB	L 132	1	30,782,201	30,792,401	10,200
del	LAB	L 133	1	30,910,601	30,919,201	8,600
del	HAB	H 137	1	31,130,601	31,139,201	8,600
del	HAB	H 138	1	31,348,401	31,366,001	17,600
del	LAB	L 134	1	31,349,201	31,366,201	17,000
del	HAB	H 139	1	31,527,201	31,533,201	6,000
del	HAB	H 140	1	31,751,001	31,758,601	7,600
del	LAB	L 135	1	31,848,201	31,852,001	3,800
del	HAB	H 141	1	32,014,401	32,022,601	8,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 136	1	32,014,801	32,022,601	7,800
del	LAB	L 137	1	32,117,201	32,126,001	8,800
del	HAB	H 142	1	32,120,801	32,136,401	15,600
del	HAB	H 143	1	32,316,401	32,328,601	12,200
del	HAB	H 144	1	32,428,801	32,436,201	7,400
del	LAB	L 138	1	32,499,201	32,510,001	10,800
del	HAB	H 145	1	32,722,401	32,733,801	11,400
del	LAB	L 139	1	32,722,801	32,733,201	10,400
del	LAB	L 140	1	33,067,401	33,077,201	9,800
del	HAB	H 146	1	33,102,401	33,113,401	11,000
del	LAB	L 141	1	33,102,801	33,113,201	10,400
del	LAB	L 142	1	33,172,401	33,177,201	4,800
del	LAB	L 143	1	33,215,601	33,227,601	12,000
del	HAB	H 147	1	33,216,201	33,228,001	11,800
del	LAB	L 144	1	33,308,001	33,313,001	5,000
del	LAB	L 145	1	33,356,201	33,373,001	16,800
del	HAB	H 148	1	33,356,401	33,373,001	16,600
del	LAB	L 146	1	33,462,801	33,482,801	20,000
del	HAB	H 149	1	33,463,001	33,482,201	19,200
del	HAB	H 150	1	33,623,401	33,628,201	4,800
del	LAB	L 147	1	33,623,601	33,627,801	4,200
del	LAB	L 148	1	34,135,201	34,141,601	6,400
del	LAB	L 149	1	34,404,401	34,408,201	3,800
del	LAB	L 150	1	34,473,201	34,481,001	7,800
del	LAB	L 151	1	34,659,601	34,662,401	2,800
del	HAB	H 151	1	34,659,801	34,662,801	3,000
del	HAB	H 152	1	34,972,001	34,976,201	4,200
del	LAB	L 152	1	34,972,201	34,976,001	3,800
del	HAB	H 153	1	35,137,801	35,141,801	4,000
del	LAB	L 153	1	35,137,801	35,144,601	6,800
del	HAB	H 154	1	35,211,601	35,221,401	9,800
del	LAB	L 154	1	35,211,801	35,221,201	9,400
del	HAB	H 155	1	35,373,201	35,376,201	3,000
del	HAB	H 156	1	35,465,001	35,471,401	6,400
del	HAB	H 157	1	35,845,401	35,852,401	7,000
del	HAB	H 158	1	35,954,201	35,956,401	2,200
del	HAB	H 159	1	36,088,201	36,094,801	6,600
del	HAB	H 160	1	36,968,001	36,971,801	3,800
del	HAB	H 161	1	37,007,801	37,014,401	6,600
del	LAB	L 155	1	37,008,201	37,014,001	5,800
del	LAB	L 156	1	37,335,601	37,340,401	4,800
del	HAB	H 162	1	38,761,601	38,766,001	4,400
del	LAB	L 157	1	38,762,001	38,765,801	3,800
del	HAB	H 163	1	40,257,401	40,263,601	6,200
del	LAB	L 158	1	40,257,401	40,263,801	6,400
del	HAB	H 164	1	40,754,801	40,759,801	5,000



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 159	1	40,755,201	40,759,201	4,000
del	HAB	H 165	1	41,380,801	41,387,001	6,200
del	HAB	H 166	1	41,522,601	41,528,601	6,000
del	LAB	L 160	1	41,522,801	41,528,401	5,600
del	HAB	H 167	1	42,194,201	42,200,601	6,400
del	LAB	L 161	1	42,194,401	42,200,801	6,400
del	HAB	H 168	1	43,677,001	43,694,601	17,600
del	LAB	L 162	1	43,677,201	43,694,201	17,000
del	HAB	H 169	1	43,904,801	43,912,201	7,400
del	LAB	L 163	1	43,905,001	43,912,401	7,400
del	HAB	H 170	1	44,305,401	44,312,801	7,400
del	LAB	L 164	1	44,305,801	44,312,801	7,000
del	HAB	H 171	1	44,328,001	44,352,601	24,600
del	LAB	L 165	1	44,328,801	44,348,201	19,400
del	LAB	L 166	1	44,412,201	44,439,201	27,000
del	HAB	H 172	1	44,412,401	44,440,001	27,600
del	LAB	L 167	1	44,528,801	44,554,201	25,400
del	HAB	H 173	1	44,530,601	44,555,201	24,600
del	HAB	H 174	1	44,659,001	44,666,201	7,200
del	LAB	L 168	1	44,659,001	44,665,801	6,800
del	HAB	H 175	1	44,749,401	44,759,801	10,400
del	LAB	L 169	1	44,749,401	44,758,001	8,600
del	HAB	H 176	1	44,775,001	44,784,801	9,800
del	LAB	L 170	1	44,776,001	44,784,801	8,800
del	LAB	L 171	1	44,876,601	44,887,601	11,000
del	HAB	H 177	1	44,877,401	44,885,601	8,200
del	HAB	H 178	1	44,954,601	44,965,801	11,200
del	LAB	L 172	1	44,955,001	44,965,201	10,200
del	LAB	L 173	1	45,016,201	45,025,801	9,600
del	HAB	H 179	1	45,017,801	45,025,601	7,800
del	LAB	L 174	1	45,217,001	45,230,001	13,000
del	HAB	H 180	1	45,218,401	45,230,601	12,200
del	HAB	H 181	1	45,250,401	45,262,201	11,800
del	LAB	L 175	1	45,250,601	45,263,001	12,400
del	HAB	H 182	1	45,287,601	45,302,601	15,000
del	LAB	L 176	1	45,288,201	45,303,401	15,200
del	LAB	L 177	1	45,421,801	45,429,401	7,600
del	HAB	H 183	1	45,578,401	45,580,801	2,400
del	HAB	H 184	1	45,667,401	45,674,201	6,800
del	HAB	H 185	1	45,709,001	45,717,801	8,800
del	HAB	H 186	1	45,790,801	45,796,601	5,800
del	LAB	L 178	1	45,791,001	45,796,201	5,200
del	HAB	H 187	1	46,003,601	46,014,201	10,600
del	LAB	L 179	1	46,028,801	46,039,001	10,200
del	LAB	L 180	1	46,106,601	46,117,601	11,000
del	LAB	L 181	1	46,146,001	46,154,001	8,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 188	1	46,146,801	46,154,201	7,400
del	HAB	H 189	1	46,364,801	46,377,601	12,800
del	LAB	L 182	1	46,365,601	46,376,401	10,800
del	HAB	H 190	1	46,382,601	46,391,601	9,000
del	LAB	L 183	1	46,383,801	46,388,001	4,200
del	LAB	L 184	1	46,438,401	46,446,401	8,000
del	LAB	L 185	1	46,495,601	46,508,801	13,200
del	HAB	H 191	1	46,496,801	46,508,601	11,800
del	HAB	H 192	1	46,542,601	46,561,601	19,000
del	LAB	L 186	1	46,542,801	46,563,001	20,200
del	HAB	H 193	1	46,599,601	46,611,801	12,200
del	HAB	H 194	1	46,619,001	46,647,601	28,600
del	LAB	L 187	1	46,619,201	46,648,001	28,800
del	HAB	H 195	1	46,773,801	46,780,601	6,800
del	LAB	L 188	1	46,774,001	46,783,801	9,800
del	HAB	H 196	1	47,137,401	47,143,801	6,400
del	LAB	L 189	1	47,137,601	47,143,401	5,800
del	HAB	H 197	1	47,161,001	47,174,001	13,000
del	LAB	L 190	1	47,162,601	47,189,401	26,800
del	HAB	H 198	1	47,232,001	47,238,401	6,400
del	LAB	L 191	1	47,232,401	47,238,801	6,400
del	HAB	H 199	1	47,280,401	47,306,401	26,000
del	LAB	L 192	1	47,280,601	47,285,001	4,400
del	LAB	L 193	1	47,290,801	47,306,001	15,200
del	LAB	L 194	1	47,640,001	47,647,601	7,600
del	HAB	H 200	1	47,640,401	47,648,001	7,600
del	HAB	H 201	1	47,681,601	47,695,001	13,400
del	LAB	L 195	1	47,683,601	47,694,601	11,000
del	HAB	H 202	1	47,737,601	47,744,001	6,400
del	LAB	L 196	1	47,738,001	47,743,201	5,200
del	HAB	H 203	1	47,930,001	47,946,401	16,400
del	LAB	L 197	1	47,930,601	47,946,601	16,000
del	HAB	H 204	1	48,012,201	48,015,601	3,400
del	LAB	L 198	1	48,012,601	48,017,601	5,000
del	HAB	H 205	1	48,134,001	48,151,201	17,200
del	LAB	L 199	1	48,141,601	48,151,201	9,600
del	HAB	H 206	1	48,281,801	48,288,601	6,800
del	HAB	H 207	1	48,339,201	48,349,401	10,200
del	LAB	L 200	1	48,340,201	48,349,201	9,000
del	HAB	H 208	1	48,413,401	48,423,001	9,600
del	LAB	L 201	1	48,413,401	48,420,201	6,800
del	HAB	H 209	1	48,470,201	48,484,001	13,800
del	LAB	L 202	1	48,470,401	48,484,401	14,000
del	HAB	H 210	1	48,523,001	48,525,201	2,200
del	HAB	H 211	1	48,602,001	48,609,801	7,800
del	LAB	L 203	1	48,602,201	48,609,801	7,600

type	mouse line	no.	chr	start	end	size
del	HAB	H 212	1	48,727,801	48,730,801	3,000
del	LAB	L 204	1	48,727,801	48,730,801	3,000
del	HAB	H 213	1	48,869,401	48,884,801	15,400
del	LAB	L 205	1	48,869,401	48,884,401	15,000
del	HAB	H 214	1	48,974,001	48,988,201	14,200
del	LAB	L 206	1	48,974,001	48,988,601	14,600
del	HAB	H 215	1	50,071,601	50,076,801	5,200
del	LAB	L 207	1	50,071,601	50,077,001	5,400
del	LAB	L 208	1	50,713,801	50,718,401	4,600
del	HAB	H 216	1	50,714,001	50,718,401	4,400
del	HAB	H 217	1	51,233,601	51,236,201	2,600
del	HAB	H 218	1	51,308,601	51,314,401	5,800
del	LAB	L 209	1	51,308,801	51,314,201	5,400
del	HAB	H 219	1	51,490,401	51,500,601	10,200
del	LAB	L 210	1	51,490,401	51,500,801	10,400
del	HAB	H 220	1	51,708,801	51,717,601	8,800
del	HAB	H 221	1	51,924,201	51,927,201	3,000
del	LAB	L 211	1	51,924,601	51,927,001	2,400
del	HAB	H 222	1	52,646,401	52,651,401	5,000
del	LAB	L 212	1	52,646,801	52,651,201	4,400
del	HAB	H 223	1	53,051,201	53,057,401	6,200
del	LAB	L 213	1	53,562,001	53,575,201	13,200
del	HAB	H 224	1	53,562,201	53,576,001	13,800
del	HAB	H 225	1	53,660,801	53,667,201	6,400
del	LAB	L 214	1	53,661,201	53,667,201	6,000
del	HAB	H 226	1	53,749,401	53,753,601	4,200
del	LAB	L 215	1	53,749,601	53,753,401	3,800
del	HAB	H 227	1	54,087,801	54,092,201	4,400
del	LAB	L 216	1	54,088,001	54,093,201	5,200
del	HAB	H 228	1	54,946,601	54,953,001	6,400
del	LAB	L 217	1	54,946,801	54,952,801	6,000
del	HAB	H 229	1	55,417,201	55,430,801	13,600
del	LAB	L 218	1	55,417,201	55,431,201	14,000
del	HAB	H 230	1	55,517,801	55,541,001	23,200
del	LAB	L 219	1	55,518,201	55,539,801	21,600
del	HAB	H 231	1	55,829,601	55,841,001	11,400
del	LAB	L 220	1	55,830,001	55,840,601	10,600
del	HAB	H 232	1	55,854,001	55,859,601	5,600
del	LAB	L 221	1	55,854,001	55,859,201	5,200
del	HAB	H 233	1	56,326,801	56,341,801	15,000
del	LAB	L 222	1	56,326,801	56,340,601	13,800
del	HAB	H 234	1	58,376,401	58,387,401	11,000
del	HAB	H 235	1	58,868,201	58,875,601	7,400
del	HAB	H 236	1	58,986,401	58,996,201	9,800
del	HAB	H 237	1	59,402,001	59,407,001	5,000
del	HAB	H 238	1	62,717,601	62,724,401	6,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 223	1	62,717,801	62,724,401	6,600
del	HAB	H 239	1	63,879,801	63,886,801	7,000
del	LAB	L 224	1	63,879,801	63,886,601	6,800
del	HAB	H 240	1	63,932,601	63,940,201	7,600
del	LAB	L 225	1	63,932,801	63,939,801	7,000
del	HAB	H 241	1	64,224,601	64,232,001	7,400
del	LAB	L 226	1	64,224,801	64,231,801	7,000
del	LAB	L 227	1	64,309,201	64,317,601	8,400
del	HAB	H 242	1	64,309,601	64,317,401	7,800
del	HAB	H 243	1	64,429,601	64,441,601	12,000
del	LAB	L 228	1	64,429,601	64,436,801	7,200
del	HAB	H 244	1	65,172,001	65,174,601	2,600
del	HAB	H 245	1	65,464,401	65,470,401	6,000
del	LAB	L 229	1	65,464,401	65,470,201	5,800
del	HAB	H 246	1	65,546,001	65,548,601	2,600
del	LAB	L 230	1	65,566,001	65,578,201	12,200
del	HAB	H 247	1	65,566,601	65,575,601	9,000
del	HAB	H 248	1	65,585,801	65,589,401	3,600
del	LAB	L 231	1	65,586,001	65,589,001	3,000
del	HAB	H 249	1	65,790,201	65,802,001	11,800
del	LAB	L 232	1	65,791,001	65,801,601	10,600
del	HAB	H 250	1	65,861,601	65,864,001	2,400
del	HAB	H 251	1	65,919,001	65,924,201	5,200
del	LAB	L 233	1	65,919,401	65,924,001	4,600
del	HAB	H 252	1	65,935,801	65,938,601	2,800
del	HAB	H 253	1	66,019,801	66,027,201	7,400
del	LAB	L 234	1	66,020,201	66,026,801	6,600
del	LAB	L 235	1	66,061,801	66,101,401	39,600
del	HAB	H 254	1	66,062,001	66,101,601	39,600
del	HAB	H 255	1	66,316,801	66,324,601	7,800
del	LAB	L 236	1	66,317,601	66,324,201	6,600
del	HAB	H 256	1	66,561,601	66,567,801	6,200
del	LAB	L 237	1	66,562,001	66,567,801	5,800
del	HAB	H 257	1	66,583,401	66,596,001	12,600
del	LAB	L 238	1	66,583,401	66,595,601	12,200
del	LAB	L 239	1	66,618,001	66,630,001	12,000
del	HAB	H 258	1	66,620,401	66,630,001	9,600
del	HAB	H 259	1	66,709,801	66,713,001	3,200
del	HAB	H 260	1	66,839,201	66,843,001	3,800
del	LAB	L 240	1	66,839,601	66,842,801	3,200
del	HAB	H 261	1	67,014,801	67,019,401	4,600
del	LAB	L 241	1	67,015,001	67,019,401	4,400
del	HAB	H 262	1	67,025,401	67,030,001	4,600
del	LAB	L 242	1	67,025,601	67,029,601	4,000
del	HAB	H 263	1	67,152,601	67,155,401	2,800
del	LAB	L 243	1	67,152,601	67,155,001	2,400

type	mouse line	no.	chr	start	end	size
del	HAB	H 264	1	67,323,801	67,329,801	6,000
del	LAB	L 244	1	67,324,001	67,329,801	5,800
del	HAB	H 265	1	67,630,401	67,650,801	20,400
del	LAB	L 245	1	67,630,801	67,650,401	19,600
del	HAB	H 266	1	67,729,001	67,736,001	7,000
del	LAB	L 246	1	67,729,201	67,735,401	6,200
del	HAB	H 267	1	67,740,601	67,747,001	6,400
del	LAB	L 247	1	67,741,601	67,746,601	5,000
del	HAB	H 268	1	67,797,601	67,805,201	7,600
del	LAB	L 248	1	67,797,601	67,805,001	7,400
del	HAB	H 269	1	67,926,601	67,931,401	4,800
del	LAB	L 249	1	67,926,601	67,931,201	4,600
del	HAB	H 270	1	68,174,001	68,177,801	3,800
del	HAB	H 271	1	68,196,201	68,198,401	2,200
del	HAB	H 272	1	68,314,401	68,321,201	6,800
del	LAB	L 250	1	68,314,801	68,321,201	6,400
del	HAB	H 273	1	68,452,401	68,459,001	6,600
del	HAB	H 274	1	68,515,601	68,526,601	11,000
del	HAB	H 275	1	68,629,401	68,636,801	7,400
del	LAB	L 251	1	68,629,401	68,660,001	30,600
del	HAB	H 276	1	68,644,601	68,660,401	15,800
del	HAB	H 277	1	68,671,401	68,678,201	6,800
del	LAB	L 252	1	68,672,001	68,678,201	6,200
del	LAB	L 253	1	69,235,801	69,244,401	8,600
del	HAB	H 278	1	69,236,401	69,244,401	8,000
del	HAB	H 279	1	69,277,801	69,285,201	7,400
del	LAB	L 254	1	69,277,801	69,285,001	7,200
del	HAB	H 280	1	69,306,601	69,309,601	3,000
del	LAB	L 255	1	70,003,001	70,018,401	15,400
del	HAB	H 281	1	70,009,801	70,018,001	8,200
del	HAB	H 282	1	72,174,201	72,177,401	3,200
del	HAB	H 283	1	73,514,001	73,521,801	7,800
del	LAB	L 256	1	73,516,801	73,521,801	5,000
del	HAB	H 284	1	73,595,001	73,602,201	7,200
del	HAB	H 285	1	73,693,401	73,700,001	6,600
del	LAB	L 257	1	73,759,801	73,765,801	6,000
del	HAB	H 286	1	73,938,601	73,944,201	5,600
del	LAB	L 258	1	73,938,801	73,944,401	5,600
del	HAB	H 287	1	74,652,801	74,655,801	3,000
del	LAB	L 259	1	74,653,001	74,655,401	2,400
del	HAB	H 288	1	75,698,401	75,712,001	13,600
del	LAB	L 260	1	75,704,001	75,712,001	8,000
del	HAB	H 289	1	76,456,201	76,463,401	7,200
del	LAB	L 261	1	76,456,601	76,463,201	6,600
del	LAB	L 262	1	78,762,601	78,773,601	11,000
del	HAB	H 290	1	78,763,401	78,773,801	10,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 291	1	78,945,601	78,952,001	6,400
del	LAB	L 263	1	78,945,601	78,952,001	6,400
del	LAB	L 264	1	78,972,001	78,981,001	9,000
del	HAB	H 292	1	78,976,201	78,992,201	16,000
del	LAB	L 265	1	78,986,801	78,991,401	4,600
del	HAB	H 293	1	79,014,801	79,046,001	31,200
del	LAB	L 266	1	79,016,401	79,046,401	30,000
del	HAB	H 294	1	79,070,201	79,073,601	3,400
del	LAB	L 267	1	79,070,401	79,073,201	2,800
del	HAB	H 295	1	79,116,801	79,123,601	6,800
del	LAB	L 268	1	79,116,801	79,123,601	6,800
del	HAB	H 296	1	79,129,601	79,136,401	6,800
del	LAB	L 269	1	79,130,601	79,136,201	5,600
del	HAB	H 297	1	79,246,801	79,252,201	5,400
del	LAB	L 270	1	79,246,801	79,252,201	5,400
del	HAB	H 298	1	79,375,201	79,384,401	9,200
del	LAB	L 271	1	79,377,001	79,384,001	7,000
del	HAB	H 299	1	79,491,001	79,506,601	15,600
del	LAB	L 272	1	79,491,201	79,507,801	16,600
del	HAB	H 300	1	79,649,201	79,651,801	2,600
del	HAB	H 301	1	79,712,801	79,725,801	13,000
del	LAB	L 273	1	79,712,801	79,725,601	12,800
del	HAB	H 302	1	79,933,401	79,940,801	7,400
del	LAB	L 274	1	79,934,001	79,941,001	7,000
del	HAB	H 303	1	79,958,401	79,969,201	10,800
del	LAB	L 275	1	79,958,601	79,968,801	10,200
del	HAB	H 304	1	80,047,001	80,053,401	6,400
del	LAB	L 276	1	80,047,201	80,053,601	6,400
del	LAB	L 277	1	80,126,401	80,142,401	16,000
del	HAB	H 305	1	80,131,201	80,143,201	12,000
del	HAB	H 306	1	80,679,801	80,690,801	11,000
del	LAB	L 278	1	80,680,001	80,690,601	10,600
del	LAB	L 279	1	80,868,801	80,871,201	2,400
del	LAB	L 280	1	80,978,201	80,987,201	9,000
del	HAB	H 307	1	80,978,401	80,987,201	8,800
del	HAB	H 308	1	81,490,201	81,503,201	13,000
del	LAB	L 281	1	81,490,201	81,502,401	12,200
del	HAB	H 309	1	82,393,001	82,399,801	6,800
del	HAB	H 310	1	82,417,601	82,424,201	6,600
del	HAB	H 311	1	82,499,601	82,507,801	8,200
del	HAB	H 312	1	83,225,601	83,232,001	6,400
del	HAB	H 313	1	84,563,001	84,571,001	8,000
del	LAB	L 282	1	84,563,201	84,570,801	7,600
del	HAB	H 314	1	84,960,201	84,968,601	8,400
del	LAB	L 283	1	84,960,201	84,965,801	5,600
del	HAB	H 315	1	84,992,201	84,995,801	3,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 284	1	84,992,401	84,995,801	3,400
del	HAB	H 316	1	85,010,201	85,021,401	11,200
del	LAB	L 285	1	85,010,601	85,022,401	11,800
del	HAB	H 317	1	85,045,001	85,060,401	15,400
del	LAB	L 286	1	85,045,201	85,060,401	15,200
del	HAB	H 318	1	85,112,801	85,118,201	5,400
del	LAB	L 287	1	85,112,801	85,118,001	5,200
del	HAB	H 319	1	85,141,801	85,150,801	9,000
del	LAB	L 288	1	85,142,401	85,149,401	7,000
del	HAB	H 320	1	85,168,801	85,175,801	7,000
del	LAB	L 289	1	85,169,201	85,175,401	6,200
del	HAB	H 321	1	85,197,601	85,229,801	32,200
del	LAB	L 290	1	85,208,201	85,226,201	18,000
del	HAB	H 322	1	85,263,601	85,267,401	3,800
del	LAB	L 291	1	85,263,801	85,266,601	2,800
del	HAB	H 323	1	85,330,601	85,336,401	5,800
del	LAB	L 292	1	85,330,801	85,336,001	5,200
del	HAB	H 324	1	87,373,201	87,380,001	6,800
del	LAB	L 293	1	87,373,401	87,379,801	6,400
del	HAB	H 325	1	87,411,801	87,419,201	7,400
del	LAB	L 294	1	87,412,201	87,419,001	6,800
del	HAB	H 326	1	87,445,601	87,456,201	10,600
del	LAB	L 295	1	87,445,801	87,455,201	9,400
del	HAB	H 327	1	87,496,601	87,500,201	3,600
del	LAB	L 296	1	87,497,001	87,500,001	3,000
del	HAB	H 328	1	88,214,001	88,224,801	10,800
del	LAB	L 297	1	88,214,201	88,225,001	10,800
del	HAB	H 329	1	88,797,201	88,803,201	6,000
del	LAB	L 298	1	88,797,201	88,802,601	5,400
del	LAB	L 299	1	88,834,401	88,839,201	4,800
del	LAB	L 300	1	88,972,001	88,977,201	5,200
del	LAB	L 301	1	89,030,601	89,037,201	6,600
del	HAB	H 330	1	89,356,601	89,364,001	7,400
del	LAB	L 302	1	89,357,001	89,364,001	7,000
del	HAB	H 331	1	89,637,801	89,645,001	7,200
del	LAB	L 303	1	89,638,201	89,644,601	6,400
del	HAB	H 332	1	89,925,001	89,932,201	7,200
del	LAB	L 304	1	89,925,201	89,932,001	6,800
del	HAB	H 333	1	89,937,001	89,954,001	17,000
del	LAB	L 305	1	89,937,201	89,956,401	19,200
del	HAB	H 334	1	90,000,601	90,039,201	38,600
del	LAB	L 306	1	90,003,801	90,038,601	34,800
del	HAB	H 335	1	90,165,801	90,170,401	4,600
del	HAB	H 336	1	90,490,001	90,498,401	8,400
del	LAB	L 307	1	90,493,801	90,496,801	3,000
del	HAB	H 337	1	90,726,201	90,732,801	6,600

type	mouse line	no.	chr	start	end	size
del	LAB	L 308	1	90,726,601	90,732,801	6,200
del	HAB	H 338	1	90,993,401	90,998,801	5,400
del	LAB	L 309	1	90,993,401	90,998,801	5,400
del	HAB	H 339	1	91,095,601	91,100,001	4,400
del	LAB	L 310	1	91,095,801	91,099,801	4,000
del	HAB	H 340	1	91,112,201	91,120,801	8,600
del	LAB	L 311	1	91,112,401	91,120,401	8,000
del	HAB	H 341	1	92,519,601	92,525,001	5,400
del	LAB	L 312	1	92,519,801	92,525,001	5,200
del	HAB	H 342	1	92,881,401	92,892,401	11,000
del	LAB	L 313	1	92,882,601	92,892,201	9,600
del	HAB	H 343	1	93,027,001	93,032,601	5,600
del	LAB	L 314	1	93,027,001	93,032,401	5,400
del	HAB	H 344	1	93,367,601	93,375,001	7,400
del	LAB	L 315	1	93,367,801	93,375,001	7,200
del	LAB	L 316	1	95,732,001	95,742,001	10,000
del	HAB	H 345	1	95,732,601	95,742,201	9,600
del	HAB	H 346	1	95,846,001	95,861,201	15,200
del	HAB	H 347	1	95,993,001	96,010,201	17,200
del	LAB	L 317	1	95,993,401	96,009,801	16,400
del	HAB	H 348	1	96,090,001	96,096,601	6,600
del	LAB	L 318	1	96,090,601	96,096,201	5,600
del	LAB	L 319	1	96,129,001	96,150,201	21,200
del	HAB	H 349	1	96,129,601	96,150,401	20,800
del	HAB	H 350	1	96,290,401	96,305,001	14,600
del	LAB	L 320	1	96,291,001	96,295,801	4,800
del	LAB	L 321	1	97,042,001	97,049,601	7,600
del	HAB	H 351	1	97,042,401	97,049,801	7,400
del	LAB	L 322	1	97,122,201	97,136,001	13,800
del	HAB	H 352	1	97,126,001	97,131,401	5,400
del	HAB	H 353	1	97,402,601	97,414,801	12,200
del	HAB	H 354	1	97,591,601	97,596,401	4,800
del	LAB	L 323	1	97,591,801	97,596,201	4,400
del	LAB	L 324	1	97,676,601	97,690,801	14,200
del	HAB	H 355	1	97,677,601	97,691,801	14,200
del	HAB	H 356	1	97,698,401	97,716,201	17,800
del	LAB	L 325	1	97,698,401	97,721,001	22,600
del	HAB	H 357	1	97,743,401	97,761,201	17,800
del	LAB	L 326	1	97,743,801	97,758,001	14,200
del	HAB	H 358	1	97,770,801	97,774,601	3,800
del	LAB	L 327	1	97,770,801	97,774,601	3,800
del	HAB	H 359	1	98,011,401	98,015,201	3,800
del	LAB	L 328	1	98,011,401	98,014,801	3,400
del	HAB	H 360	1	98,469,001	98,475,401	6,400
del	LAB	L 329	1	98,561,601	98,576,801	15,200
del	HAB	H 361	1	98,561,801	98,576,601	14,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 362	1	98,641,801	98,648,001	6,200
del	LAB	L 330	1	98,642,201	98,648,201	6,000
del	HAB	H 363	1	99,069,601	99,077,401	7,800
del	HAB	H 364	1	99,172,401	99,179,801	7,400
del	LAB	L 331	1	99,172,401	99,179,401	7,000
del	HAB	H 365	1	99,252,201	99,257,801	5,600
del	HAB	H 366	1	99,294,001	99,299,401	5,400
del	HAB	H 367	1	99,313,201	99,321,601	8,400
del	HAB	H 368	1	99,344,001	99,353,401	9,400
del	LAB	L 332	1	99,344,001	99,352,001	8,000
del	LAB	L 333	1	99,401,201	99,411,201	10,000
del	HAB	H 369	1	99,401,401	99,411,201	9,800
del	HAB	H 370	1	99,577,001	99,579,801	2,800
del	LAB	L 334	1	99,675,201	99,678,001	2,800
del	HAB	H 371	1	100,288,601	100,294,201	5,600
del	HAB	H 372	1	100,697,001	100,707,001	10,000
del	LAB	L 335	1	100,697,401	100,707,201	9,800
del	LAB	L 336	1	100,785,801	100,792,001	6,200
del	LAB	L 337	1	100,841,201	100,849,401	8,200
del	LAB	L 338	1	100,898,601	100,904,201	5,600
del	LAB	L 339	1	101,026,001	101,029,001	3,000
del	LAB	L 340	1	101,075,401	101,086,601	11,200
del	LAB	L 341	1	101,099,401	101,105,801	6,400
del	LAB	L 342	1	101,153,001	101,167,601	14,600
del	HAB	H 373	1	101,153,401	101,168,201	14,800
del	LAB	L 343	1	101,179,001	101,183,801	4,800
del	LAB	L 344	1	101,244,801	101,252,801	8,000
del	HAB	H 374	1	101,245,401	101,251,401	6,000
del	HAB	H 375	1	102,120,401	102,128,601	8,200
del	LAB	L 345	1	102,120,801	102,128,201	7,400
del	HAB	H 376	1	102,197,801	102,217,201	19,400
del	LAB	L 346	1	102,205,201	102,216,601	11,400
del	HAB	H 377	1	102,532,201	102,539,201	7,000
del	LAB	L 347	1	102,641,401	102,661,601	20,200
del	HAB	H 378	1	102,645,601	102,662,001	16,400
del	HAB	H 379	1	102,732,801	102,736,401	3,600
del	HAB	H 380	1	102,880,601	102,893,801	13,200
del	LAB	L 348	1	102,880,801	102,893,801	13,000
del	HAB	H 381	1	102,999,401	103,005,201	5,800
del	LAB	L 349	1	102,999,601	103,005,401	5,800
del	HAB	H 382	1	103,134,201	103,143,601	9,400
del	LAB	L 350	1	103,134,201	103,142,801	8,600
del	LAB	L 351	1	103,488,401	103,499,001	10,600
del	HAB	H 383	1	103,489,201	103,499,001	9,800
del	HAB	H 384	1	103,781,001	103,785,401	4,400
del	LAB	L 352	1	103,781,401	103,785,401	4,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 385	1	103,820,601	103,835,801	15,200
del	LAB	L 353	1	103,820,601	103,836,201	15,600
del	HAB	H 386	1	103,875,601	103,882,401	6,800
del	LAB	L 354	1	103,896,001	103,914,401	18,400
del	HAB	H 387	1	103,900,601	103,915,201	14,600
del	LAB	L 355	1	104,131,201	104,152,801	21,600
del	HAB	H 388	1	104,131,401	104,152,801	21,400
del	LAB	L 356	1	104,283,401	104,287,201	3,800
del	HAB	H 389	1	104,488,601	104,501,801	13,200
del	LAB	L 357	1	104,488,601	104,501,801	13,200
del	LAB	L 358	1	104,892,801	104,906,401	13,600
del	HAB	H 390	1	104,893,201	104,906,801	13,600
del	HAB	H 391	1	105,044,201	105,057,401	13,200
del	LAB	L 359	1	105,044,401	105,058,001	13,600
del	HAB	H 392	1	105,205,601	105,210,201	4,600
del	LAB	L 360	1	105,205,601	105,210,601	5,000
del	HAB	H 393	1	105,304,001	105,310,801	6,800
del	LAB	L 361	1	105,304,401	105,310,601	6,200
del	HAB	H 394	1	105,484,801	105,490,801	6,000
del	LAB	L 362	1	105,485,201	105,490,601	5,400
del	HAB	H 395	1	106,165,401	106,175,001	9,600
del	LAB	L 363	1	106,165,401	106,175,001	9,600
del	HAB	H 396	1	106,186,201	106,191,401	5,200
del	LAB	L 364	1	106,186,401	106,191,201	4,800
del	LAB	L 365	1	106,859,201	106,866,401	7,200
del	HAB	H 397	1	106,910,401	106,926,601	16,200
del	LAB	L 366	1	106,912,401	106,926,601	14,200
del	HAB	H 398	1	107,352,601	107,355,601	3,000
del	HAB	H 399	1	107,365,001	107,373,401	8,400
del	HAB	H 400	1	107,464,601	107,473,201	8,600
del	HAB	H 401	1	107,504,001	107,512,401	8,400
del	HAB	H 402	1	108,014,001	108,018,201	4,200
del	LAB	L 367	1	108,190,601	108,197,201	6,600
del	HAB	H 403	1	108,699,401	108,702,801	3,400
del	LAB	L 368	1	108,699,401	108,702,601	3,200
del	HAB	H 404	1	108,745,201	108,752,201	7,000
del	LAB	L 369	1	109,010,801	109,023,201	12,400
del	HAB	H 405	1	109,011,001	109,023,401	12,400
del	HAB	H 406	1	109,062,801	109,070,601	7,800
del	HAB	H 407	1	109,097,801	109,112,601	14,800
del	LAB	L 370	1	109,099,001	109,112,401	13,400
del	LAB	L 371	1	109,121,001	109,137,201	16,200
del	HAB	H 408	1	109,121,401	109,138,201	16,800
del	HAB	H 409	1	109,524,801	109,529,401	4,600
del	HAB	H 410	1	109,686,001	109,706,801	20,800
del	HAB	H 411	1	109,719,201	109,730,801	11,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 372	1	109,719,401	109,730,801	11,400
del	HAB	H 412	1	109,777,801	109,786,801	9,000
del	LAB	L 373	1	109,780,001	109,786,401	6,400
del	HAB	H 413	1	109,816,601	109,823,401	6,800
del	LAB	L 374	1	110,178,801	110,194,601	15,800
del	HAB	H 414	1	110,217,601	110,225,201	7,600
del	LAB	L 375	1	110,218,001	110,225,201	7,200
del	HAB	H 415	1	110,247,401	110,253,801	6,400
del	LAB	L 376	1	110,247,801	110,253,601	5,800
del	HAB	H 416	1	110,295,601	110,312,601	17,000
del	LAB	L 377	1	110,295,601	110,313,001	17,400
del	LAB	L 378	1	110,413,201	110,420,601	7,400
del	LAB	L 379	1	110,630,001	110,636,401	6,400
del	LAB	L 380	1	110,853,401	110,857,201	3,800
del	LAB	L 381	1	110,926,401	110,938,201	11,800
del	LAB	L 382	1	110,962,801	110,969,201	6,400
del	HAB	H 417	1	111,025,401	111,033,401	8,000
del	LAB	L 383	1	111,025,401	111,033,601	8,200
del	HAB	H 418	1	111,148,601	111,159,801	11,200
del	LAB	L 384	1	111,148,801	111,159,801	11,000
del	HAB	H 419	1	111,187,601	111,190,401	2,800
del	HAB	H 420	1	111,233,601	111,246,601	13,000
del	HAB	H 421	1	111,299,201	111,312,601	13,400
del	LAB	L 385	1	111,299,201	111,312,201	13,000
del	HAB	H 422	1	111,332,601	111,341,001	8,400
del	LAB	L 386	1	111,343,601	111,360,001	16,400
del	HAB	H 423	1	111,398,601	111,403,201	4,600
del	HAB	H 424	1	111,510,001	111,517,201	7,200
del	LAB	L 387	1	111,765,401	111,782,201	16,800
del	HAB	H 425	1	111,765,601	111,782,001	16,400
del	HAB	H 426	1	112,067,201	112,088,401	21,200
del	HAB	H 427	1	112,181,401	112,185,401	4,000
del	HAB	H 428	1	112,214,001	112,231,401	17,400
del	LAB	L 388	1	112,225,401	112,232,201	6,800
del	HAB	H 429	1	112,324,601	112,330,001	5,400
del	LAB	L 389	1	112,324,601	112,330,001	5,400
del	HAB	H 430	1	112,429,201	112,439,601	10,400
del	LAB	L 390	1	112,430,601	112,439,201	8,600
del	HAB	H 431	1	112,579,601	112,585,001	5,400
del	LAB	L 391	1	112,579,801	112,585,001	5,200
del	HAB	H 432	1	112,709,801	112,715,401	5,600
del	HAB	H 433	1	112,834,001	112,839,001	5,000
del	HAB	H 434	1	112,999,401	113,005,201	5,800
del	LAB	L 392	1	112,999,401	113,005,401	6,000
del	LAB	L 393	1	113,163,201	113,170,401	7,200
del	HAB	H 435	1	113,166,601	113,170,401	3,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 394	1	113,204,601	113,209,801	5,200
del	HAB	H 436	1	113,205,801	113,210,201	4,400
del	HAB	H 437	1	113,327,001	113,333,801	6,800
del	LAB	L 395	1	113,327,001	113,333,601	6,600
del	HAB	H 438	1	113,602,001	113,616,401	14,400
del	LAB	L 396	1	113,602,001	113,616,401	14,400
del	HAB	H 439	1	113,781,801	113,790,001	8,200
del	LAB	L 397	1	113,781,801	113,790,001	8,200
del	HAB	H 440	1	113,849,801	113,860,401	10,600
del	LAB	L 398	1	113,849,801	113,860,001	10,200
del	LAB	L 399	1	114,110,601	114,118,001	7,400
del	HAB	H 441	1	114,130,001	114,135,801	5,800
del	LAB	L 400	1	114,130,201	114,136,001	5,800
del	HAB	H 442	1	114,155,601	114,168,401	12,800
del	LAB	L 401	1	114,155,601	114,166,401	10,800
del	LAB	L 402	1	114,337,001	114,341,001	4,000
del	LAB	L 403	1	114,428,401	114,436,401	8,000
del	LAB	L 404	1	114,446,601	114,466,201	19,600
del	LAB	L 405	1	114,475,201	114,485,001	9,800
del	HAB	H 443	1	114,478,801	114,483,801	5,000
del	LAB	L 406	1	114,734,601	114,741,401	6,800
del	LAB	L 407	1	114,825,801	114,835,401	9,600
del	LAB	L 408	1	114,912,601	114,919,801	7,200
del	HAB	H 444	1	114,945,601	114,959,601	14,000
del	LAB	L 409	1	114,947,201	114,963,001	15,800
del	LAB	L 410	1	115,080,601	115,086,601	6,000
del	HAB	H 445	1	115,233,201	115,240,001	6,800
del	LAB	L 411	1	115,233,401	115,240,001	6,600
del	LAB	L 412	1	115,497,201	115,514,601	17,400
del	HAB	H 446	1	115,497,801	115,516,801	19,000
del	HAB	H 447	1	115,576,401	115,579,401	3,000
del	LAB	L 413	1	115,576,601	115,579,401	2,800
del	LAB	L 414	1	115,605,401	115,619,001	13,600
del	HAB	H 448	1	115,605,601	115,619,601	14,000
del	HAB	H 449	1	115,702,401	115,709,001	6,600
del	LAB	L 415	1	115,702,401	115,709,201	6,800
del	HAB	H 450	1	115,793,401	115,802,401	9,000
del	LAB	L 416	1	115,793,401	115,802,401	9,000
del	HAB	H 451	1	115,926,201	115,933,001	6,800
del	LAB	L 417	1	115,926,401	115,932,801	6,400
del	HAB	H 452	1	115,996,401	116,011,601	15,200
del	LAB	L 418	1	115,996,401	116,011,201	14,800
del	HAB	H 453	1	116,019,801	116,031,401	11,600
del	LAB	L 419	1	116,020,401	116,031,201	10,800
del	HAB	H 454	1	116,068,801	116,081,601	12,800
del	LAB	L 420	1	116,069,001	116,081,801	12,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 455	1	116,100,001	116,112,401	12,400
del	LAB	L 421	1	116,100,001	116,112,201	12,200
del	HAB	H 456	1	116,118,601	116,127,201	8,600
del	LAB	L 422	1	116,118,601	116,126,801	8,200
del	HAB	H 457	1	116,270,601	116,275,801	5,200
del	LAB	L 423	1	116,270,801	116,275,601	4,800
del	HAB	H 458	1	116,451,601	116,462,801	11,200
del	LAB	L 424	1	116,453,401	116,462,601	9,200
del	HAB	H 459	1	116,500,001	116,512,201	12,200
del	LAB	L 425	1	116,500,001	116,512,201	12,200
del	HAB	H 460	1	116,657,201	116,670,601	13,400
del	LAB	L 426	1	116,657,801	116,670,801	13,000
del	LAB	L 427	1	116,690,601	116,705,801	15,200
del	HAB	H 461	1	116,691,601	116,706,001	14,400
del	LAB	L 428	1	116,998,201	117,007,001	8,800
del	HAB	H 462	1	116,998,601	117,006,201	7,600
del	HAB	H 463	1	117,337,401	117,353,401	16,000
del	LAB	L 429	1	117,338,601	117,353,201	14,600
del	HAB	H 464	1	117,373,001	117,379,601	6,600
del	LAB	L 430	1	117,373,201	117,384,801	11,600
del	HAB	H 465	1	117,696,001	117,703,201	7,200
del	LAB	L 431	1	117,696,001	117,703,201	7,200
del	HAB	H 466	1	117,781,801	117,787,801	6,000
del	LAB	L 432	1	117,782,001	117,787,801	5,800
del	HAB	H 467	1	118,253,001	118,260,801	7,800
del	LAB	L 433	1	118,253,201	118,260,601	7,400
del	HAB	H 468	1	118,519,601	118,523,401	3,800
del	LAB	L 434	1	118,519,601	118,523,001	3,400
del	HAB	H 469	1	118,540,801	118,567,201	26,400
del	LAB	L 435	1	118,540,801	118,567,401	26,600
del	HAB	H 470	1	118,653,801	118,671,201	17,400
del	LAB	L 436	1	118,654,401	118,671,201	16,800
del	LAB	L 437	1	118,726,401	118,736,401	10,000
del	HAB	H 471	1	118,727,001	118,737,401	10,400
del	HAB	H 472	1	118,751,401	118,759,601	8,200
del	LAB	L 438	1	118,751,601	118,759,001	7,400
del	HAB	H 473	1	118,778,801	118,792,401	13,600
del	LAB	L 439	1	118,780,001	118,785,801	5,800
del	HAB	H 474	1	118,985,401	118,989,001	3,600
del	HAB	H 475	1	119,127,001	119,136,401	9,400
del	HAB	H 476	1	119,149,601	119,157,601	8,000
del	LAB	L 440	1	119,150,201	119,157,201	7,000
del	HAB	H 477	1	119,261,601	119,273,401	11,800
del	HAB	H 478	1	119,324,401	119,333,401	9,000
del	HAB	H 479	1	119,367,801	119,383,201	15,400
del	HAB	H 480	1	119,479,401	119,492,801	13,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 441	1	119,479,401	119,493,001	13,600
del	HAB	H 481	1	119,529,401	119,542,001	12,600
del	HAB	H 482	1	119,598,401	119,606,401	8,000
del	HAB	H 483	1	119,610,801	119,619,001	8,200
del	LAB	L 442	1	119,614,001	119,618,401	4,400
del	LAB	L 443	1	119,772,401	119,786,001	13,600
del	HAB	H 484	1	119,772,801	119,786,401	13,600
del	HAB	H 485	1	119,802,601	119,822,001	19,400
del	LAB	L 444	1	119,802,601	119,821,201	18,600
del	HAB	H 486	1	119,852,001	119,858,001	6,000
del	LAB	L 445	1	119,852,401	119,858,201	5,800
del	HAB	H 487	1	119,964,801	119,978,401	13,600
del	LAB	L 446	1	119,965,601	119,973,601	8,000
del	LAB	L 447	1	119,999,001	120,020,001	21,000
del	HAB	H 488	1	119,999,601	120,031,601	32,000
del	HAB	H 489	1	120,105,201	120,143,601	38,400
del	LAB	L 448	1	120,105,601	120,143,601	38,000
del	HAB	H 490	1	122,467,201	122,472,601	5,400
del	LAB	L 449	1	122,467,401	122,472,401	5,000
del	HAB	H 491	1	122,794,601	122,804,001	9,400
del	LAB	L 450	1	122,794,801	122,803,801	9,000
del	HAB	H 492	1	122,890,401	122,897,401	7,000
del	LAB	L 451	1	122,890,401	122,897,001	6,600
del	HAB	H 493	1	122,932,001	122,938,601	6,600
del	LAB	L 452	1	122,932,201	122,938,401	6,200
del	HAB	H 494	1	123,099,001	123,109,001	10,000
del	LAB	L 453	1	123,099,201	123,109,001	9,800
del	HAB	H 495	1	123,166,001	123,168,401	2,400
del	HAB	H 496	1	123,562,001	123,570,001	8,000
del	LAB	L 454	1	123,563,001	123,570,201	7,200
del	HAB	H 497	1	123,674,001	123,684,401	10,400
del	LAB	L 455	1	123,674,401	123,684,001	9,600
del	HAB	H 498	1	124,537,601	124,549,801	12,200
del	HAB	H 499	1	124,610,601	124,617,601	7,000
del	LAB	L 456	1	124,610,801	124,617,001	6,200
del	HAB	H 500	1	124,662,601	124,673,201	10,600
del	LAB	L 457	1	124,663,001	124,673,201	10,200
del	HAB	H 501	1	124,770,201	124,772,401	2,200
del	HAB	H 502	1	124,788,401	124,791,601	3,200
del	LAB	L 458	1	124,788,601	124,791,201	2,600
del	HAB	H 503	1	124,819,001	124,820,601	1,600
del	HAB	H 504	1	124,841,601	124,852,201	10,600
del	LAB	L 459	1	124,842,001	124,852,401	10,400
del	HAB	H 505	1	125,753,401	125,775,601	22,200
del	LAB	L 460	1	125,753,801	125,775,001	21,200
del	HAB	H 506	1	126,538,201	126,541,601	3,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 461	1	126,538,201	126,541,201	3,000
del	HAB	H 507	1	126,860,801	126,869,601	8,800
del	LAB	L 462	1	126,860,801	126,869,201	8,400
del	HAB	H 508	1	127,029,001	127,041,401	12,400
del	LAB	L 463	1	127,029,201	127,041,201	12,000
del	HAB	H 509	1	127,058,401	127,063,201	4,800
del	LAB	L 464	1	127,058,801	127,063,001	4,200
del	HAB	H 510	1	127,141,001	127,144,201	3,200
del	LAB	L 465	1	127,141,001	127,144,001	3,000
del	HAB	H 511	1	127,213,201	127,220,401	7,200
del	LAB	L 466	1	127,213,201	127,220,401	7,200
del	HAB	H 512	1	127,242,401	127,260,001	17,600
del	LAB	L 467	1	127,242,601	127,260,601	18,000
del	HAB	H 513	1	127,380,801	127,384,001	3,200
del	LAB	L 468	1	127,381,001	127,383,801	2,800
del	HAB	H 514	1	127,407,201	127,410,401	3,200
del	LAB	L 469	1	127,407,401	127,410,001	2,600
del	HAB	H 515	1	127,449,201	127,452,401	3,200
del	LAB	L 470	1	127,449,401	127,452,201	2,800
del	HAB	H 516	1	128,315,001	128,326,201	11,200
del	LAB	L 471	1	128,320,401	128,326,201	5,800
del	HAB	H 517	1	128,523,801	128,527,001	3,200
del	LAB	L 472	1	128,524,001	128,526,801	2,800
del	HAB	H 518	1	128,560,001	128,567,001	7,000
del	LAB	L 473	1	128,560,401	128,566,601	6,200
del	HAB	H 519	1	128,835,801	128,841,001	5,200
del	LAB	L 474	1	128,835,801	128,840,801	5,000
del	HAB	H 520	1	129,454,601	129,462,201	7,600
del	LAB	L 475	1	129,455,001	129,462,001	7,000
del	HAB	H 521	1	129,487,201	129,490,601	3,400
del	LAB	L 476	1	129,487,601	129,490,601	3,000
del	HAB	H 522	1	129,580,601	129,582,401	1,800
del	LAB	L 477	1	129,771,401	129,778,801	7,400
del	HAB	H 523	1	129,771,601	129,779,201	7,600
del	HAB	H 524	1	129,788,401	129,794,001	5,600
del	LAB	L 478	1	129,788,601	129,793,601	5,000
del	HAB	H 525	1	130,669,601	130,676,401	6,800
del	LAB	L 479	1	130,669,801	130,676,201	6,400
del	HAB	H 526	1	131,926,601	131,935,201	8,600
del	LAB	L 480	1	131,926,601	131,935,001	8,400
del	HAB	H 527	1	131,998,001	132,003,801	5,800
del	LAB	L 481	1	131,998,401	132,003,801	5,400
del	HAB	H 528	1	132,210,801	132,215,801	5,000
del	LAB	L 482	1	132,210,801	132,215,801	5,000
del	HAB	H 529	1	132,291,401	132,300,201	8,800
del	LAB	L 483	1	132,292,001	132,300,001	8,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 530	1	133,266,601	133,272,201	5,600
del	LAB	L 484	1	133,266,601	133,271,801	5,200
del	HAB	H 531	1	133,539,201	133,547,801	8,600
del	LAB	L 485	1	133,539,401	133,548,001	8,600
del	HAB	H 532	1	133,577,001	133,583,601	6,600
del	LAB	L 486	1	133,577,401	133,583,401	6,000
del	HAB	H 533	1	136,021,201	136,026,601	5,400
del	LAB	L 487	1	136,021,601	136,026,201	4,600
del	HAB	H 534	1	136,296,601	136,302,201	5,600
del	LAB	L 488	1	136,296,801	136,302,201	5,400
del	HAB	H 535	1	139,236,201	139,246,401	10,200
del	LAB	L 489	1	139,236,801	139,246,401	9,600
del	LAB	L 490	1	139,304,801	139,312,001	7,200
del	HAB	H 536	1	139,305,201	139,312,401	7,200
del	HAB	H 537	1	139,612,401	139,619,001	6,600
del	LAB	L 491	1	139,612,801	139,619,001	6,200
del	HAB	H 538	1	140,202,001	140,209,201	7,200
del	LAB	L 492	1	140,202,001	140,209,001	7,000
del	HAB	H 539	1	140,685,001	140,692,801	7,800
del	LAB	L 493	1	140,685,201	140,705,401	20,200
del	HAB	H 540	1	140,699,401	140,705,801	6,400
del	HAB	H 541	1	140,757,801	140,768,001	10,200
del	LAB	L 494	1	140,758,001	140,768,001	10,000
del	LAB	L 495	1	141,503,201	141,519,201	16,000
del	HAB	H 542	1	141,503,601	141,519,001	15,400
del	HAB	H 543	1	141,536,401	141,566,801	30,400
del	LAB	L 496	1	141,537,401	141,566,601	29,200
del	HAB	H 544	1	141,574,201	141,577,401	3,200
del	LAB	L 497	1	141,604,401	141,620,801	16,400
del	HAB	H 545	1	141,605,801	141,621,401	15,600
del	HAB	H 546	1	141,669,001	141,693,401	24,400
del	LAB	L 498	1	141,670,801	141,692,801	22,000
del	HAB	H 547	1	141,803,601	141,815,201	11,600
del	LAB	L 499	1	141,804,201	141,817,801	13,600
del	LAB	L 500	1	141,843,601	141,855,201	11,600
del	HAB	H 548	1	141,845,601	141,855,801	10,200
del	HAB	H 549	1	142,005,401	142,008,601	3,200
del	LAB	L 501	1	142,005,601	142,008,201	2,600
del	HAB	H 550	1	142,411,201	142,415,001	3,800
del	LAB	L 502	1	142,411,401	142,414,801	3,400
del	LAB	L 503	1	142,595,601	142,619,601	24,000
del	HAB	H 551	1	142,596,801	142,619,601	22,800
del	HAB	H 552	1	142,690,801	142,694,601	3,800
del	LAB	L 504	1	142,691,201	142,694,401	3,200
del	HAB	H 553	1	142,713,201	142,720,601	7,400
del	LAB	L 505	1	142,713,601	142,720,401	6,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 554	1	142,932,001	142,939,201	7,200
del	LAB	L 506	1	142,932,401	142,939,001	6,600
del	HAB	H 555	1	143,084,401	143,114,801	30,400
del	LAB	L 507	1	143,085,001	143,115,201	30,200
del	HAB	H 556	1	143,590,201	143,601,001	10,800
del	LAB	L 508	1	143,590,401	143,601,001	10,600
del	HAB	H 557	1	144,252,401	144,260,201	7,800
del	LAB	L 509	1	144,252,801	144,260,201	7,400
del	HAB	H 558	1	144,385,201	144,402,601	17,400
del	LAB	L 510	1	144,385,201	144,403,001	17,800
del	HAB	H 559	1	144,481,401	144,486,801	5,400
del	LAB	L 511	1	144,481,601	144,486,601	5,000
del	HAB	H 560	1	144,558,401	144,571,801	13,400
del	LAB	L 512	1	144,768,601	144,779,001	10,400
del	HAB	H 561	1	144,769,201	144,779,001	9,800
del	HAB	H 562	1	144,923,801	144,934,001	10,200
del	LAB	L 513	1	144,924,001	144,934,401	10,400
del	HAB	H 563	1	145,062,001	145,070,001	8,000
del	LAB	L 514	1	145,062,601	145,070,001	7,400
del	LAB	L 515	1	145,133,001	145,149,601	16,600
del	HAB	H 564	1	145,134,201	145,149,401	15,200
del	HAB	H 565	1	145,218,601	145,229,601	11,000
del	LAB	L 516	1	145,218,801	145,229,401	10,600
del	HAB	H 566	1	145,283,401	145,300,601	17,200
del	LAB	L 517	1	145,283,801	145,300,201	16,400
del	LAB	L 518	1	145,354,401	145,360,201	5,800
del	HAB	H 567	1	145,355,201	145,360,401	5,200
del	HAB	H 568	1	145,557,801	145,567,201	9,400
del	LAB	L 519	1	145,558,201	145,566,401	8,200
del	HAB	H 569	1	146,099,801	146,103,001	3,200
del	LAB	L 520	1	146,100,201	146,102,801	2,600
del	HAB	H 570	1	146,211,801	146,217,601	5,800
del	HAB	H 571	1	146,521,601	146,527,801	6,200
del	LAB	L 521	1	146,521,801	146,527,401	5,600
del	HAB	H 572	1	146,594,601	146,598,601	4,000
del	LAB	L 522	1	146,595,001	146,598,401	3,400
del	HAB	H 573	1	146,701,401	146,712,401	11,000
del	HAB	H 574	1	146,930,001	146,934,801	4,800
del	LAB	L 523	1	146,930,401	146,934,801	4,400
del	HAB	H 575	1	147,016,801	147,024,601	7,800
del	LAB	L 524	1	147,017,201	147,024,601	7,400
del	HAB	H 576	1	147,096,001	147,102,801	6,800
del	LAB	L 525	1	147,314,001	147,323,401	9,400
del	HAB	H 577	1	147,316,801	147,323,401	6,600
del	HAB	H 578	1	147,374,801	147,382,601	7,800
del	LAB	L 526	1	147,375,201	147,382,201	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 579	1	147,572,201	147,580,801	8,600
del	HAB	H 580	1	147,992,201	147,999,801	7,600
del	HAB	H 581	1	148,287,201	148,293,601	6,400
del	LAB	L 527	1	148,287,201	148,304,001	16,800
del	LAB	L 528	1	148,572,201	148,576,401	4,200
del	HAB	H 582	1	148,885,001	148,892,401	7,400
del	LAB	L 529	1	148,885,201	148,890,801	5,600
del	LAB	L 530	1	149,048,601	149,053,401	4,800
del	HAB	H 583	1	149,124,601	149,136,001	11,400
del	LAB	L 531	1	149,438,401	149,449,601	11,200
del	HAB	H 584	1	149,517,801	149,530,001	12,200
del	LAB	L 532	1	149,517,801	149,530,001	12,200
del	HAB	H 585	1	149,544,601	149,547,801	3,200
del	LAB	L 533	1	149,680,801	149,683,801	3,000
del	LAB	L 534	1	149,832,201	149,843,201	11,000
del	LAB	L 535	1	149,916,401	149,928,601	12,200
del	HAB	H 586	1	149,917,001	149,924,601	7,600
del	LAB	L 536	1	150,015,601	150,021,401	5,800
del	LAB	L 537	1	150,059,401	150,067,401	8,000
del	HAB	H 587	1	150,062,801	150,067,201	4,400
del	LAB	L 538	1	150,121,001	150,126,601	5,600
del	LAB	L 539	1	150,208,001	150,232,801	24,800
del	LAB	L 540	1	150,304,201	150,311,201	7,000
del	LAB	L 541	1	150,332,601	150,338,001	5,400
del	LAB	L 542	1	150,360,401	150,374,401	14,000
del	HAB	H 588	1	150,361,601	150,374,001	12,400
del	LAB	L 543	1	150,389,601	150,413,201	23,600
del	HAB	H 589	1	150,391,401	150,411,601	20,200
del	HAB	H 590	1	150,724,801	150,731,601	6,800
del	LAB	L 544	1	150,725,001	150,731,601	6,600
del	LAB	L 545	1	150,871,001	150,873,401	2,400
del	HAB	H 591	1	151,024,201	151,031,001	6,800
del	LAB	L 546	1	151,024,201	151,029,401	5,200
del	HAB	H 592	1	151,240,201	151,247,601	7,400
del	HAB	H 593	1	151,298,001	151,304,601	6,600
del	LAB	L 547	1	151,343,801	151,366,201	22,400
del	HAB	H 594	1	151,345,201	151,368,801	23,600
del	HAB	H 595	1	151,428,001	151,436,001	8,000
del	LAB	L 548	1	151,429,201	151,435,401	6,200
del	HAB	H 596	1	151,446,601	151,453,401	6,800
del	LAB	L 549	1	152,117,601	152,151,801	34,200
del	HAB	H 597	1	152,118,801	152,147,001	28,200
del	LAB	L 550	1	153,032,601	153,058,401	25,800
del	HAB	H 598	1	153,034,601	153,058,601	24,000
del	HAB	H 599	1	153,713,001	153,720,401	7,400
del	LAB	L 551	1	154,187,201	154,190,001	2,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 600	1	154,324,401	154,331,401	7,000
del	HAB	H 601	1	155,231,601	155,267,801	36,200
del	LAB	L 552	1	155,258,201	155,265,601	7,400
del	HAB	H 602	1	155,339,801	155,348,201	8,400
del	HAB	H 603	1	155,979,001	155,985,401	6,400
del	HAB	H 604	1	156,782,001	156,787,401	5,400
del	LAB	L 553	1	156,782,001	156,787,601	5,600
del	HAB	H 605	1	158,453,401	158,457,401	4,000
del	HAB	H 606	1	159,320,001	159,323,601	3,600
del	HAB	H 607	1	159,807,201	159,814,201	7,000
del	LAB	L 554	1	159,807,401	159,814,201	6,800
del	HAB	H 608	1	160,572,601	160,579,401	6,800
del	LAB	L 555	1	160,573,201	160,578,801	5,600
del	LAB	L 556	1	161,899,601	161,906,801	7,200
del	HAB	H 609	1	163,462,801	163,471,001	8,200
del	HAB	H 610	1	164,770,401	164,777,801	7,400
del	LAB	L 557	1	164,770,801	164,777,801	7,000
del	HAB	H 611	1	165,707,601	165,714,201	6,600
del	LAB	L 558	1	165,708,001	165,714,001	6,000
del	HAB	H 612	1	165,731,601	165,740,801	9,200
del	LAB	L 559	1	165,731,601	165,740,801	9,200
del	HAB	H 613	1	166,154,001	166,159,801	5,800
del	LAB	L 560	1	166,660,401	166,673,201	12,800
del	HAB	H 614	1	166,660,601	166,673,201	12,600
del	LAB	L 561	1	167,191,401	167,203,801	12,400
del	HAB	H 615	1	167,191,801	167,203,801	12,000
del	LAB	L 562	1	167,329,401	167,347,001	17,600
del	HAB	H 616	1	167,329,601	167,346,601	17,000
del	HAB	H 617	1	168,142,401	168,149,401	7,000
del	HAB	H 618	1	168,459,801	168,497,001	37,200
del	LAB	L 563	1	168,464,801	168,496,601	31,800
del	HAB	H 619	1	168,523,001	168,556,601	33,600
del	LAB	L 564	1	168,523,601	168,556,401	32,800
del	HAB	H 620	1	168,693,001	168,700,201	7,200
del	LAB	L 565	1	168,693,201	168,699,801	6,600
del	HAB	H 621	1	168,802,201	168,806,201	4,000
del	LAB	L 566	1	168,802,601	168,806,201	3,600
del	HAB	H 622	1	168,842,601	168,849,201	6,600
del	LAB	L 567	1	168,842,601	168,849,001	6,400
del	HAB	H 623	1	169,127,001	169,134,201	7,200
del	LAB	L 568	1	169,127,201	169,133,801	6,600
del	LAB	L 569	1	169,754,601	169,763,801	9,200
del	HAB	H 624	1	169,755,401	169,770,001	14,600
del	LAB	L 570	1	170,537,601	170,560,401	22,800
del	HAB	H 625	1	170,538,401	170,560,601	22,200
del	HAB	H 626	1	170,567,401	170,580,401	13,000

type	mouse line	no.	chr	start	end	size
del	LAB	L 571	1	170,567,601	170,580,001	12,400
del	HAB	H 627	1	170,650,201	170,657,001	6,800
del	LAB	L 572	1	170,650,401	170,656,401	6,000
del	HAB	H 628	1	170,857,001	170,860,801	3,800
del	HAB	H 629	1	170,913,401	170,920,001	6,600
del	LAB	L 573	1	170,913,601	170,919,801	6,200
del	HAB	H 630	1	171,031,401	171,043,401	12,000
del	LAB	L 574	1	171,032,601	171,043,601	11,000
del	LAB	L 575	1	171,101,801	171,111,601	9,800
del	HAB	H 631	1	171,102,001	171,111,801	9,800
del	HAB	H 632	1	171,120,201	171,125,401	5,200
del	LAB	L 576	1	171,120,401	171,125,201	4,800
del	HAB	H 633	1	171,214,601	171,221,401	6,800
del	LAB	L 577	1	171,215,001	171,221,001	6,000
del	HAB	H 634	1	171,355,801	171,362,201	6,400
del	LAB	L 578	1	171,356,001	171,362,401	6,400
del	HAB	H 635	1	171,471,401	171,479,601	8,200
del	LAB	L 579	1	171,471,401	171,479,401	8,000
del	HAB	H 636	1	172,045,801	172,053,201	7,400
del	LAB	L 580	1	172,046,001	172,053,001	7,000
del	HAB	H 637	1	172,159,001	172,174,001	15,000
del	LAB	L 581	1	172,159,201	172,205,801	46,600
del	HAB	H 638	1	172,178,601	172,206,001	27,400
del	HAB	H 639	1	172,872,401	172,880,201	7,800
del	LAB	L 582	1	172,994,601	173,013,201	18,600
del	HAB	H 640	1	172,995,001	173,015,001	20,000
del	HAB	H 641	1	173,242,201	173,245,801	3,600
del	LAB	L 583	1	173,242,601	173,245,401	2,800
del	HAB	H 642	1	173,411,401	173,420,601	9,200
del	LAB	L 584	1	173,411,801	173,420,401	8,600
del	HAB	H 643	1	173,448,601	173,455,201	6,600
del	LAB	L 585	1	173,448,801	173,455,201	6,400
del	HAB	H 644	1	173,463,201	173,469,201	6,000
del	HAB	H 645	1	173,554,401	173,557,401	3,000
del	LAB	L 586	1	173,554,801	173,557,001	2,200
del	HAB	H 646	1	173,759,801	173,762,801	3,000
del	LAB	L 587	1	173,760,201	173,762,601	2,400
del	HAB	H 647	1	173,787,001	173,794,601	7,600
del	LAB	L 588	1	173,787,401	173,794,201	6,800
del	HAB	H 648	1	174,196,201	174,199,801	3,600
del	HAB	H 649	1	174,646,801	174,668,401	21,600
del	LAB	L 589	1	174,646,801	174,668,201	21,400
del	LAB	L 590	1	174,802,201	174,819,201	17,000
del	HAB	H 650	1	174,806,001	174,818,801	12,800
del	HAB	H 651	1	175,184,201	175,192,801	8,600
del	LAB	L 591	1	175,184,401	175,192,801	8,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 652	1	175,717,201	175,724,001	6,800
del	LAB	L 592	1	175,717,601	175,723,801	6,200
del	HAB	H 653	1	175,730,401	175,851,001	120,600
del	LAB	L 593	1	175,732,801	175,839,601	106,800
del	HAB	H 654	1	175,859,201	175,869,401	10,200
del	HAB	H 655	1	175,887,201	175,900,401	13,200
del	LAB	L 594	1	175,887,201	175,900,401	13,200
del	HAB	H 656	1	175,918,001	175,924,601	6,600
del	LAB	L 595	1	175,918,601	175,924,401	5,800
del	HAB	H 657	1	176,162,601	176,165,401	2,800
del	LAB	L 596	1	176,162,601	176,165,201	2,600
del	HAB	H 658	1	176,184,001	176,195,001	11,000
del	LAB	L 597	1	176,184,201	176,194,601	10,400
del	HAB	H 659	1	176,203,801	176,225,001	21,200
del	LAB	L 598	1	176,204,401	176,224,601	20,200
del	HAB	H 660	1	176,236,601	176,243,001	6,400
del	HAB	H 661	1	176,249,601	176,259,001	9,400
del	LAB	L 599	1	176,250,001	176,259,001	9,000
del	HAB	H 662	1	176,306,401	176,313,801	7,400
del	LAB	L 600	1	176,306,601	176,313,601	7,000
del	HAB	H 663	1	176,324,601	176,340,401	15,800
del	LAB	L 601	1	176,325,201	176,340,401	15,200
del	HAB	H 664	1	176,386,601	176,394,001	7,400
del	LAB	L 602	1	176,386,601	176,393,801	7,200
del	HAB	H 665	1	176,637,801	176,644,401	6,600
del	LAB	L 603	1	176,638,401	176,644,201	5,800
del	HAB	H 666	1	176,868,401	176,874,801	6,400
del	LAB	L 604	1	176,868,601	176,874,001	5,400
del	HAB	H 667	1	176,938,801	176,947,801	9,000
del	LAB	L 605	1	176,939,001	176,948,201	9,200
del	HAB	H 668	1	176,972,001	176,978,601	6,600
del	LAB	L 606	1	176,972,201	176,978,201	6,000
del	HAB	H 669	1	177,069,201	177,071,801	2,600
del	HAB	H 670	1	177,156,001	177,162,601	6,600
del	LAB	L 607	1	177,156,001	177,162,801	6,800
del	LAB	L 608	1	177,169,401	177,184,801	15,400
del	HAB	H 671	1	177,169,801	177,185,001	15,200
del	HAB	H 672	1	177,269,201	177,275,801	6,600
del	LAB	L 609	1	177,269,201	177,275,601	6,400
del	HAB	H 673	1	177,726,001	177,729,001	3,000
del	LAB	L 610	1	177,726,001	177,728,801	2,800
del	HAB	H 674	1	177,772,601	177,779,201	6,600
del	LAB	L 611	1	177,772,801	177,778,801	6,000
del	HAB	H 675	1	178,313,401	178,319,201	5,800
del	HAB	H 676	1	178,471,201	178,484,801	13,600
del	LAB	L 612	1	178,471,401	178,484,601	13,200

type	mouse line	no.	chr	start	end	size
del	HAB	H 677	1	178,823,401	178,830,201	6,800
del	LAB	L 613	1	178,823,601	178,830,001	6,400
del	HAB	H 678	1	179,142,801	179,149,801	7,000
del	LAB	L 614	1	179,143,601	179,149,601	6,000
del	LAB	L 615	1	179,820,401	179,833,401	13,000
del	HAB	H 679	1	179,820,801	179,833,401	12,600
del	HAB	H 680	1	179,849,001	179,863,801	14,800
del	LAB	L 616	1	179,849,201	179,863,801	14,600
del	HAB	H 681	1	179,952,601	179,967,601	15,000
del	HAB	H 682	1	179,987,601	179,995,401	7,800
del	LAB	L 617	1	179,988,001	179,995,001	7,000
del	HAB	H 683	1	180,010,001	180,022,401	12,400
del	LAB	L 618	1	180,010,201	180,022,201	12,000
del	HAB	H 684	1	180,056,601	180,067,401	10,800
del	LAB	L 619	1	180,056,801	180,066,601	9,800
del	HAB	H 685	1	182,542,001	182,547,001	5,000
del	LAB	L 620	1	182,542,201	182,546,601	4,400
del	HAB	H 686	1	183,193,601	183,201,201	7,600
del	LAB	L 621	1	183,193,801	183,201,001	7,200
del	HAB	H 687	1	183,423,001	183,429,601	6,600
del	HAB	H 688	1	183,798,401	183,802,601	4,200
del	HAB	H 689	1	184,104,001	184,107,401	3,400
del	LAB	L 622	1	184,104,201	184,107,401	3,200
del	HAB	H 690	1	184,131,001	184,139,201	8,200
del	LAB	L 623	1	184,131,201	184,139,001	7,800
del	HAB	H 691	1	184,187,201	184,196,001	8,800
del	LAB	L 624	1	184,187,401	184,195,801	8,400
del	LAB	L 625	1	185,363,401	185,369,601	6,200
del	LAB	L 626	1	185,388,201	185,395,001	6,800
del	HAB	H 692	1	185,972,601	185,980,201	7,600
del	LAB	L 627	1	185,972,601	185,981,801	9,200
del	HAB	H 693	1	186,979,001	186,986,401	7,400
del	LAB	L 628	1	186,979,401	186,985,801	6,400
del	HAB	H 694	1	187,127,201	187,130,601	3,400
del	LAB	L 629	1	187,127,401	187,130,401	3,000
del	HAB	H 695	1	187,444,801	187,451,601	6,800
del	LAB	L 630	1	187,445,201	187,451,201	6,000
del	HAB	H 696	1	187,928,001	187,934,601	6,600
del	LAB	L 631	1	187,928,601	187,934,401	5,800
del	HAB	H 697	1	188,549,801	188,558,601	8,800
del	LAB	L 632	1	188,549,801	188,558,401	8,600
del	HAB	H 698	1	188,693,401	188,700,201	6,800
del	LAB	L 633	1	188,693,601	188,699,801	6,200
del	HAB	H 699	1	188,886,401	188,893,201	6,800
del	LAB	L 634	1	188,886,801	188,893,201	6,400
del	HAB	H 700	1	190,147,201	190,149,201	2,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 701	1	190,159,401	190,166,601	7,200
del	LAB	L 635	1	190,159,601	190,166,401	6,800
del	LAB	L 636	1	190,432,001	190,438,801	6,800
del	HAB	H 702	1	190,747,201	190,752,801	5,600
del	LAB	L 637	1	190,747,201	190,753,801	6,600
del	HAB	H 703	1	192,124,001	192,128,201	4,200
del	LAB	L 638	1	192,124,001	192,128,001	4,000
del	LAB	L 639	1	192,438,201	192,441,001	2,800
del	HAB	H 704	1	193,209,201	193,212,401	3,200
del	LAB	L 640	1	193,209,201	193,212,401	3,200
del	HAB	H 705	1	193,325,401	193,328,601	3,200
del	LAB	L 641	1	193,325,601	193,328,601	3,000
del	LAB	L 642	1	193,757,801	193,766,201	8,400
del	HAB	H 706	1	193,758,001	193,766,401	8,400
del	HAB	H 707	1	194,395,001	194,402,001	7,000
del	LAB	L 643	1	194,395,401	194,402,401	7,000
del	HAB	H 708	1	194,453,201	194,456,801	3,600
del	HAB	H 709	1	194,896,601	194,904,001	7,400
del	HAB	H 710	1	195,630,201	195,641,001	10,800
del	LAB	L 644	1	195,632,201	195,641,001	8,800
del	HAB	H 711	1	195,896,201	195,914,001	17,800
del	LAB	L 645	1	195,896,601	195,913,401	16,800
del	HAB	H 712	1	196,480,001	196,483,201	3,200
del	HAB	H 713	1	196,875,601	196,886,801	11,200
del	LAB	L 646	1	196,877,201	196,887,001	9,800
del	LAB	L 647	2	3,768,601	3,773,601	5,000
del	HAB	H 714	2	3,881,801	3,889,801	8,000
del	LAB	L 648	2	3,882,001	3,886,001	4,000
del	HAB	H 715	2	4,344,001	4,349,201	5,200
del	LAB	L 649	2	4,344,001	4,348,801	4,800
del	HAB	H 716	2	5,475,201	5,482,601	7,400
del	LAB	L 650	2	5,475,401	5,482,401	7,000
del	HAB	H 717	2	5,604,601	5,612,601	8,000
del	LAB	L 651	2	5,605,201	5,612,201	7,000
del	HAB	H 718	2	6,756,001	6,772,401	16,400
del	LAB	L 652	2	6,766,801	6,772,201	5,400
del	HAB	H 719	2	7,195,601	7,199,401	3,800
del	HAB	H 720	2	7,325,601	7,337,001	11,400
del	LAB	L 653	2	7,325,801	7,337,201	11,400
del	HAB	H 721	2	7,357,201	7,377,801	20,600
del	LAB	L 654	2	7,357,601	7,378,001	20,400
del	HAB	H 722	2	7,487,601	7,521,801	34,200
del	LAB	L 655	2	7,488,401	7,528,001	39,600
del	LAB	L 656	2	7,670,201	7,679,401	9,200
del	HAB	H 723	2	7,670,801	7,679,001	8,200
del	LAB	L 657	2	7,958,201	7,965,201	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 724	2	7,958,401	7,963,001	4,600
del	HAB	H 725	2	8,102,001	8,115,001	13,000
del	LAB	L 658	2	8,102,001	8,115,401	13,400
del	LAB	L 659	2	8,409,201	8,416,401	7,200
del	HAB	H 726	2	8,409,401	8,416,201	6,800
del	LAB	L 660	2	8,750,601	8,761,401	10,800
del	HAB	H 727	2	8,754,801	8,761,201	6,400
del	LAB	L 661	2	10,099,001	10,105,001	6,000
del	HAB	H 728	2	10,388,801	10,437,001	48,200
del	LAB	L 662	2	10,388,801	10,437,201	48,400
del	HAB	H 729	2	10,808,601	10,811,601	3,000
del	HAB	H 730	2	11,730,801	11,736,401	5,600
del	HAB	H 731	2	11,761,401	11,766,801	5,400
del	LAB	L 663	2	11,761,601	11,766,801	5,200
del	HAB	H 732	2	11,804,601	11,809,201	4,600
del	LAB	L 664	2	11,804,801	11,809,001	4,200
del	HAB	H 733	2	11,897,801	11,908,601	10,800
del	LAB	L 665	2	11,897,801	11,912,001	14,200
del	HAB	H 734	2	11,964,401	11,968,001	3,600
del	HAB	H 735	2	12,493,801	12,500,001	6,200
del	LAB	L 666	2	12,495,001	12,500,401	5,400
del	LAB	L 667	2	12,520,401	12,535,801	15,400
del	HAB	H 736	2	12,521,001	12,547,201	26,200
del	LAB	L 668	2	12,540,001	12,547,201	7,200
del	LAB	L 669	2	12,555,601	12,572,801	17,200
del	HAB	H 737	2	12,556,401	12,572,801	16,400
del	LAB	L 670	2	12,865,601	12,873,201	7,600
del	HAB	H 738	2	12,866,001	12,873,401	7,400
del	LAB	L 671	2	13,533,401	13,543,401	10,000
del	HAB	H 739	2	13,535,001	13,543,001	8,000
del	HAB	H 740	2	13,747,601	13,754,001	6,400
del	LAB	L 672	2	13,747,801	13,754,201	6,400
del	HAB	H 741	2	13,864,001	13,874,001	10,000
del	LAB	L 673	2	13,864,801	13,873,201	8,400
del	HAB	H 742	2	14,006,601	14,013,001	6,400
del	LAB	L 674	2	14,007,001	14,013,001	6,000
del	LAB	L 675	2	14,285,801	14,292,401	6,600
del	HAB	H 743	2	14,286,001	14,292,601	6,600
del	HAB	H 744	2	14,900,001	14,903,001	3,000
del	HAB	H 745	2	14,941,401	14,947,601	6,200
del	HAB	H 746	2	15,032,001	15,042,401	10,400
del	HAB	H 747	2	15,115,001	15,122,801	7,800
del	HAB	H 748	2	15,154,401	15,177,601	23,200
del	LAB	L 676	2	15,164,601	15,175,601	11,000
del	HAB	H 749	2	15,221,401	15,242,801	21,400
del	LAB	L 677	2	15,222,401	15,238,201	15,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 750	2	15,295,001	15,305,201	10,200
del	LAB	L 678	2	15,295,001	15,301,601	6,600
del	HAB	H 751	2	15,352,001	15,362,401	10,400
del	LAB	L 679	2	15,492,001	15,499,001	7,000
del	HAB	H 752	2	15,492,201	15,500,001	7,800
del	HAB	H 753	2	15,518,401	15,525,201	6,800
del	HAB	H 754	2	15,574,001	15,585,801	11,800
del	HAB	H 755	2	15,632,601	15,644,601	12,000
del	HAB	H 756	2	15,834,601	15,844,401	9,800
del	HAB	H 757	2	16,019,001	16,031,001	12,000
del	HAB	H 758	2	16,703,001	16,712,401	9,400
del	LAB	L 680	2	16,703,601	16,712,001	8,400
del	HAB	H 759	2	17,045,801	17,053,401	7,600
del	HAB	H 760	2	17,534,201	17,540,001	5,800
del	HAB	H 761	2	17,668,801	17,674,601	5,800
del	HAB	H 762	2	18,401,001	18,409,401	8,400
del	LAB	L 681	2	18,401,001	18,409,001	8,000
del	HAB	H 763	2	18,471,601	18,481,401	9,800
del	LAB	L 682	2	18,476,201	18,482,401	6,200
del	HAB	H 764	2	18,499,001	18,502,001	3,000
del	HAB	H 765	2	18,963,801	18,967,601	3,800
del	HAB	H 766	2	19,127,001	19,148,401	21,400
del	LAB	L 683	2	19,127,001	19,146,601	19,600
del	HAB	H 767	2	19,275,801	19,283,201	7,400
del	LAB	L 684	2	19,279,001	19,282,401	3,400
del	LAB	L 685	2	19,960,401	19,985,801	25,400
del	HAB	H 768	2	19,960,601	19,978,801	18,200
del	LAB	L 686	2	20,067,601	20,074,601	7,000
del	LAB	L 687	2	20,098,401	20,108,801	10,400
del	LAB	L 688	2	20,175,401	20,184,001	8,600
del	HAB	H 769	2	20,175,601	20,185,601	10,000
del	HAB	H 770	2	20,348,001	20,355,001	7,000
del	HAB	H 771	2	20,419,401	20,422,201	2,800
del	HAB	H 772	2	20,996,401	21,004,001	7,600
del	HAB	H 773	2	21,167,001	21,174,401	7,400
del	HAB	H 774	2	21,223,801	21,234,401	10,600
del	LAB	L 689	2	21,223,801	21,233,801	10,000
del	HAB	H 775	2	21,274,801	21,280,601	5,800
del	LAB	L 690	2	21,275,001	21,280,601	5,600
del	LAB	L 691	2	21,404,601	21,411,201	6,600
del	HAB	H 776	2	21,404,801	21,411,401	6,600
del	HAB	H 777	2	21,499,801	21,509,201	9,400
del	LAB	L 692	2	21,499,801	21,509,401	9,600
del	HAB	H 778	2	21,545,201	21,550,601	5,400
del	LAB	L 693	2	21,545,201	21,550,801	5,600
del	HAB	H 779	2	21,917,601	21,928,801	11,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 694	2	21,917,801	21,928,601	10,800
del	HAB	H 780	2	21,991,601	22,017,001	25,400
del	LAB	L 695	2	21,992,001	22,017,001	25,000
del	HAB	H 781	2	22,055,401	22,063,401	8,000
del	LAB	L 696	2	22,055,601	22,063,201	7,600
del	HAB	H 782	2	22,080,001	22,087,201	7,200
del	LAB	L 697	2	22,080,201	22,087,001	6,800
del	HAB	H 783	2	22,122,201	22,140,201	18,000
del	LAB	L 698	2	22,122,401	22,141,601	19,200
del	HAB	H 784	2	22,223,201	22,232,001	8,800
del	LAB	L 699	2	22,223,601	22,232,201	8,600
del	HAB	H 785	2	22,279,601	22,285,601	6,000
del	LAB	L 700	2	22,279,801	22,285,601	5,800
del	LAB	L 701	2	22,410,201	22,419,601	9,400
del	HAB	H 786	2	22,410,801	22,419,801	9,000
del	HAB	H 787	2	22,460,401	22,464,201	3,800
del	LAB	L 702	2	22,460,601	22,465,201	4,600
del	HAB	H 788	2	22,865,201	22,870,801	5,600
del	LAB	L 703	2	22,865,401	22,870,601	5,200
del	HAB	H 789	2	23,131,601	23,137,801	6,200
del	LAB	L 704	2	23,131,601	23,137,601	6,000
del	HAB	H 790	2	23,143,001	23,162,001	19,000
del	LAB	L 705	2	23,143,201	23,162,001	18,800
del	HAB	H 791	2	23,526,601	23,530,801	4,200
del	LAB	L 706	2	23,526,801	23,530,801	4,000
del	HAB	H 792	2	23,645,001	23,657,801	12,800
del	LAB	L 707	2	23,645,001	23,657,401	12,400
del	HAB	H 793	2	23,768,801	23,780,001	11,200
del	LAB	L 708	2	23,769,401	23,780,001	10,600
del	HAB	H 794	2	23,794,201	23,811,801	17,600
del	LAB	L 709	2	23,797,601	23,811,801	14,200
del	HAB	H 795	2	23,968,601	23,982,401	13,800
del	LAB	L 710	2	23,969,601	23,984,201	14,600
del	HAB	H 796	2	24,020,601	24,024,601	4,000
del	LAB	L 711	2	24,020,801	24,024,601	3,800
del	HAB	H 797	2	24,048,401	24,054,801	6,400
del	LAB	L 712	2	24,049,001	24,054,601	5,600
del	HAB	H 798	2	26,188,601	26,194,001	5,400
del	LAB	L 713	2	26,188,801	26,193,801	5,000
del	HAB	H 799	2	26,498,201	26,505,401	7,200
del	LAB	L 714	2	26,498,201	26,505,201	7,000
del	LAB	L 715	2	26,853,801	26,860,001	6,200
del	LAB	L 716	2	32,283,001	32,285,001	2,000
del	HAB	H 800	2	34,784,601	34,791,601	7,000
del	HAB	H 801	2	35,375,001	35,382,201	7,200
del	HAB	H 802	2	35,869,801	35,875,001	5,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 803	2	36,145,601	36,155,201	9,600
del	HAB	H 804	2	36,165,401	36,171,001	5,600
del	LAB	L 717	2	36,165,401	36,170,801	5,400
del	HAB	H 805	2	36,194,201	36,212,201	18,000
del	LAB	L 718	2	36,194,801	36,211,401	16,600
del	HAB	H 806	2	36,252,601	36,267,401	14,800
del	LAB	L 719	2	36,259,601	36,267,401	7,800
del	HAB	H 807	2	36,290,201	36,302,401	12,200
del	LAB	L 720	2	36,290,201	36,302,601	12,400
del	HAB	H 808	2	36,318,001	36,325,201	7,200
del	LAB	L 721	2	36,318,201	36,325,201	7,000
del	LAB	L 722	2	36,363,601	36,369,201	5,600
del	HAB	H 809	2	36,363,801	36,369,601	5,800
del	HAB	H 810	2	36,398,201	36,405,401	7,200
del	LAB	L 723	2	36,458,801	36,472,801	14,000
del	HAB	H 811	2	36,459,001	36,472,001	13,000
del	LAB	L 724	2	36,531,801	36,537,201	5,400
del	HAB	H 812	2	36,532,001	36,537,201	5,200
del	LAB	L 725	2	36,800,001	36,838,601	38,600
del	HAB	H 813	2	36,800,201	36,837,401	37,200
del	HAB	H 814	2	36,874,201	36,884,201	10,000
del	LAB	L 726	2	36,878,001	36,884,001	6,000
del	HAB	H 815	2	36,963,001	36,971,001	8,000
del	LAB	L 727	2	36,963,401	36,970,801	7,400
del	LAB	L 728	2	37,008,401	37,016,401	8,000
del	HAB	H 816	2	37,008,601	37,017,201	8,600
del	HAB	H 817	2	37,028,601	37,036,401	7,800
del	LAB	L 729	2	37,029,001	37,036,201	7,200
del	HAB	H 818	2	37,083,201	37,117,601	34,400
del	LAB	L 730	2	37,083,401	37,117,201	33,800
del	HAB	H 819	2	37,194,801	37,202,401	7,600
del	HAB	H 820	2	37,909,001	37,916,401	7,400
del	HAB	H 821	2	39,091,601	39,102,801	11,200
del	HAB	H 822	2	39,216,201	39,223,801	7,600
del	HAB	H 823	2	39,369,801	39,393,801	24,000
del	LAB	L 731	2	39,370,801	39,394,401	23,600
del	LAB	L 732	2	39,482,201	39,516,601	34,400
del	HAB	H 824	2	39,482,401	39,517,401	35,000
del	HAB	H 825	2	39,745,201	39,749,601	4,400
del	HAB	H 826	2	39,775,801	39,781,201	5,400
del	LAB	L 733	2	39,839,401	39,854,401	15,000
del	HAB	H 827	2	39,840,801	39,854,001	13,200
del	HAB	H 828	2	40,211,201	40,230,601	19,400
del	LAB	L 734	2	40,211,601	40,230,601	19,000
del	HAB	H 829	2	40,282,401	40,287,201	4,800
del	LAB	L 735	2	40,282,601	40,288,201	5,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 830	2	40,438,401	40,443,201	4,800
del	LAB	L 736	2	40,438,401	40,443,001	4,600
del	LAB	L 737	2	40,780,801	40,793,201	12,400
del	LAB	L 738	2	40,912,201	40,925,801	13,600
del	HAB	H 831	2	40,912,401	40,925,801	13,400
del	HAB	H 832	2	41,023,201	41,037,401	14,200
del	LAB	L 739	2	41,023,201	41,037,001	13,800
del	HAB	H 833	2	41,068,201	41,076,401	8,200
del	LAB	L 740	2	41,215,601	41,218,801	3,200
del	LAB	L 741	2	41,549,401	41,554,001	4,600
del	HAB	H 834	2	41,599,801	41,607,201	7,400
del	LAB	L 742	2	41,600,001	41,606,801	6,800
del	LAB	L 743	2	41,899,401	41,907,201	7,800
del	HAB	H 835	2	41,899,801	41,907,001	7,200
del	HAB	H 836	2	41,928,801	41,946,201	17,400
del	LAB	L 744	2	41,929,001	41,945,801	16,800
del	HAB	H 837	2	42,058,801	42,070,601	11,800
del	LAB	L 745	2	42,059,201	42,070,401	11,200
del	HAB	H 838	2	42,425,001	42,431,601	6,600
del	LAB	L 746	2	42,425,401	42,431,601	6,200
del	HAB	H 839	2	42,803,001	42,816,801	13,800
del	LAB	L 747	2	42,803,001	42,816,801	13,800
del	HAB	H 840	2	43,203,801	43,209,001	5,200
del	LAB	L 748	2	43,204,201	43,208,601	4,400
del	LAB	L 749	2	44,023,001	44,030,201	7,200
del	HAB	H 841	2	44,214,401	44,225,601	11,200
del	LAB	L 750	2	44,214,601	44,225,601	11,000
del	HAB	H 842	2	44,797,001	44,802,001	5,000
del	LAB	L 751	2	44,797,001	44,802,201	5,200
del	HAB	H 843	2	45,537,001	45,540,401	3,400
del	HAB	H 844	2	46,083,201	46,087,801	4,600
del	LAB	L 752	2	46,083,201	46,087,801	4,600
del	HAB	H 845	2	46,146,201	46,153,201	7,000
del	LAB	L 753	2	46,146,401	46,155,001	8,600
del	HAB	H 846	2	46,198,601	46,203,601	5,000
del	LAB	L 754	2	46,198,601	46,203,401	4,800
del	HAB	H 847	2	46,429,801	46,435,201	5,400
del	LAB	L 755	2	46,429,801	46,435,001	5,200
del	HAB	H 848	2	46,447,801	46,451,401	3,600
del	LAB	L 756	2	46,448,001	46,451,201	3,200
del	LAB	L 757	2	46,536,201	46,554,001	17,800
del	HAB	H 849	2	46,536,601	46,554,601	18,000
del	HAB	H 850	2	46,578,601	46,586,201	7,600
del	LAB	L 758	2	46,579,001	46,586,001	7,000
del	HAB	H 851	2	46,867,201	46,879,801	12,600
del	LAB	L 759	2	46,867,201	46,881,201	14,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 852	2	46,978,001	46,985,001	7,000
del	LAB	L 760	2	46,978,001	46,985,001	7,000
del	LAB	L 761	2	47,001,601	47,014,201	12,600
del	HAB	H 853	2	47,003,001	47,014,401	11,400
del	HAB	H 854	2	47,051,001	47,053,601	2,600
del	HAB	H 855	2	47,453,001	47,460,001	7,000
del	LAB	L 762	2	47,453,601	47,460,201	6,600
del	LAB	L 763	2	47,579,001	47,588,201	9,200
del	HAB	H 856	2	47,579,201	47,587,601	8,400
del	HAB	H 857	2	47,646,601	47,655,001	8,400
del	HAB	H 858	2	47,696,401	47,700,601	4,200
del	HAB	H 859	2	48,014,601	48,020,201	5,600
del	HAB	H 860	2	48,907,801	48,913,601	5,800
del	LAB	L 764	2	49,325,601	49,331,201	5,600
del	HAB	H 861	2	50,239,601	50,244,801	5,200
del	LAB	L 765	2	50,240,801	50,244,801	4,000
del	HAB	H 862	2	50,535,201	50,542,601	7,400
del	LAB	L 766	2	50,535,201	50,542,401	7,200
del	HAB	H 863	2	50,846,201	50,856,401	10,200
del	LAB	L 767	2	50,846,601	50,856,801	10,200
del	HAB	H 864	2	50,881,001	50,888,201	7,200
del	LAB	L 768	2	50,881,801	50,888,001	6,200
del	HAB	H 865	2	51,339,201	51,345,801	6,600
del	LAB	L 769	2	51,339,801	51,345,601	5,800
del	HAB	H 866	2	51,470,601	51,477,201	6,600
del	LAB	L 770	2	51,471,001	51,477,001	6,000
del	LAB	L 771	2	51,739,401	51,746,001	6,600
del	HAB	H 867	2	51,739,801	51,746,201	6,400
del	HAB	H 868	2	52,551,801	52,557,801	6,000
del	LAB	L 772	2	52,552,001	52,558,001	6,000
del	HAB	H 869	2	52,939,001	52,942,401	3,400
del	HAB	H 870	2	53,031,001	53,034,001	3,000
del	HAB	H 871	2	53,172,201	53,189,001	16,800
del	LAB	L 773	2	53,173,001	53,188,801	15,800
del	LAB	L 774	2	53,200,601	53,210,001	9,400
del	HAB	H 872	2	53,201,001	53,219,601	18,600
del	HAB	H 873	2	53,303,801	53,315,201	11,400
del	LAB	L 775	2	53,303,801	53,309,801	6,000
del	LAB	L 776	2	53,357,001	53,368,801	11,800
del	HAB	H 874	2	53,412,801	53,423,201	10,400
del	HAB	H 875	2	53,553,201	53,556,001	2,800
del	LAB	L 777	2	53,553,201	53,555,401	2,200
del	HAB	H 876	2	53,601,001	53,651,601	50,600
del	LAB	L 778	2	53,609,201	53,651,601	42,400
del	HAB	H 877	2	53,770,601	53,778,601	8,000
del	HAB	H 878	2	54,237,401	54,251,001	13,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 779	2	54,237,401	54,250,001	12,600
del	HAB	H 879	2	54,418,201	54,423,001	4,800
del	LAB	L 780	2	54,418,201	54,422,401	4,200
del	HAB	H 880	2	54,445,801	54,453,201	7,400
del	LAB	L 781	2	54,446,001	54,453,001	7,000
del	LAB	L 782	2	54,589,801	54,600,201	10,400
del	HAB	H 881	2	54,590,001	54,600,601	10,600
del	HAB	H 882	2	55,344,801	55,350,801	6,000
del	LAB	L 783	2	55,344,801	55,350,801	6,000
del	LAB	L 784	2	55,473,601	55,486,801	13,200
del	HAB	H 883	2	55,473,801	55,486,601	12,800
del	HAB	H 884	2	55,523,801	55,530,801	7,000
del	LAB	L 785	2	55,524,001	55,530,801	6,800
del	HAB	H 885	2	55,675,601	55,682,801	7,200
del	LAB	L 786	2	55,676,001	55,682,201	6,200
del	LAB	L 787	2	55,711,201	55,729,601	18,400
del	HAB	H 886	2	55,713,401	55,727,201	13,800
del	HAB	H 887	2	55,792,401	55,805,201	12,800
del	LAB	L 788	2	55,792,401	55,805,001	12,600
del	HAB	H 888	2	55,852,801	55,864,201	11,400
del	LAB	L 789	2	55,853,001	55,864,001	11,000
del	LAB	L 790	2	55,897,201	55,905,601	8,400
del	HAB	H 889	2	55,898,001	55,906,001	8,000
del	HAB	H 890	2	55,916,801	55,921,801	5,000
del	LAB	L 791	2	55,917,401	55,921,401	4,000
del	HAB	H 891	2	55,949,601	55,952,801	3,200
del	HAB	H 892	2	56,053,201	56,074,201	21,000
del	LAB	L 792	2	56,053,201	56,074,001	20,800
del	HAB	H 893	2	56,150,401	56,157,601	7,200
del	LAB	L 793	2	56,151,001	56,157,201	6,200
del	HAB	H 894	2	56,317,201	56,324,401	7,200
del	LAB	L 794	2	56,317,601	56,324,201	6,600
del	HAB	H 895	2	56,613,401	56,628,201	14,800
del	LAB	L 795	2	56,613,801	56,628,401	14,600
del	HAB	H 896	2	56,645,001	56,655,201	10,200
del	LAB	L 796	2	56,645,401	56,654,001	8,600
del	HAB	H 897	2	56,723,001	56,731,601	8,600
del	LAB	L 797	2	56,723,201	56,731,201	8,000
del	LAB	L 798	2	56,786,601	56,793,001	6,400
del	HAB	H 898	2	57,018,601	57,025,601	7,000
del	LAB	L 799	2	57,019,001	57,025,401	6,400
del	HAB	H 899	2	57,035,601	57,038,401	2,800
del	LAB	L 800	2	57,036,001	57,037,801	1,800
del	HAB	H 900	2	57,066,801	57,076,001	9,200
del	LAB	L 801	2	57,067,001	57,075,401	8,400
del	HAB	H 901	2	57,960,401	57,963,601	3,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 802	2	57,960,601	57,963,201	2,600
del	HAB	H 902	2	58,017,801	58,021,601	3,800
del	HAB	H 903	2	58,079,201	58,085,801	6,600
del	LAB	L 803	2	58,079,401	58,085,401	6,000
del	LAB	L 804	2	58,106,201	58,111,201	5,000
del	HAB	H 904	2	58,106,401	58,115,801	9,400
del	HAB	H 905	2	58,194,001	58,197,001	3,000
del	LAB	L 805	2	58,194,001	58,196,801	2,800
del	HAB	H 906	2	61,676,401	61,692,801	16,400
del	LAB	L 806	2	61,682,401	61,692,801	10,400
del	HAB	H 907	2	62,027,801	62,034,401	6,600
del	LAB	L 807	2	62,027,801	62,034,401	6,600
del	LAB	L 808	2	62,697,201	62,705,001	7,800
del	LAB	L 809	2	62,912,601	62,917,201	4,600
del	HAB	H 908	2	63,135,201	63,140,801	5,600
del	LAB	L 810	2	63,135,401	63,140,801	5,400
del	HAB	H 909	2	63,205,801	63,219,001	13,200
del	LAB	L 811	2	63,206,001	63,219,201	13,200
del	LAB	L 812	2	63,439,201	63,450,801	11,600
del	HAB	H 910	2	63,439,401	63,450,801	11,400
del	HAB	H 911	2	63,484,601	63,488,801	4,200
del	HAB	H 912	2	63,977,601	63,989,601	12,000
del	LAB	L 813	2	63,978,001	63,989,601	11,600
del	HAB	H 913	2	64,029,801	64,038,801	9,000
del	LAB	L 814	2	64,029,801	64,038,801	9,000
del	HAB	H 914	2	64,149,201	64,157,601	8,400
del	LAB	L 815	2	64,149,201	64,157,601	8,400
del	HAB	H 915	2	64,462,601	64,471,201	8,600
del	LAB	L 816	2	64,462,801	64,471,201	8,400
del	HAB	H 916	2	64,536,601	64,541,201	4,600
del	LAB	L 817	2	64,536,601	64,540,601	4,000
del	LAB	L 818	2	65,610,601	65,619,401	8,800
del	HAB	H 917	2	65,613,001	65,619,801	6,800
del	HAB	H 918	2	66,921,401	66,933,801	12,400
del	LAB	L 819	2	66,921,601	66,934,601	13,000
del	HAB	H 919	2	67,112,201	67,117,601	5,400
del	HAB	H 920	2	67,243,201	67,247,601	4,400
del	HAB	H 921	2	67,968,201	67,976,001	7,800
del	HAB	H 922	2	68,384,601	68,390,201	5,600
del	LAB	L 820	2	68,384,801	68,390,001	5,200
del	HAB	H 923	2	68,512,201	68,523,601	11,400
del	LAB	L 821	2	68,517,401	68,523,601	6,200
del	HAB	H 924	2	68,556,801	68,562,801	6,000
del	LAB	L 822	2	68,556,801	68,562,801	6,000
del	HAB	H 925	2	70,101,601	70,108,001	6,400
del	LAB	L 823	2	70,102,201	70,108,601	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 926	2	70,903,201	70,909,401	6,200
del	LAB	L 824	2	70,903,201	70,909,201	6,000
del	LAB	L 825	2	71,780,401	71,787,001	6,600
del	LAB	L 826	2	72,108,601	72,113,401	4,800
del	HAB	H 927	2	74,202,201	74,213,201	11,000
del	LAB	L 827	2	74,202,601	74,212,801	10,200
del	HAB	H 928	2	74,234,201	74,240,801	6,600
del	LAB	L 828	2	74,234,601	74,240,401	5,800
del	HAB	H 929	2	74,275,601	74,283,001	7,400
del	LAB	L 829	2	74,276,201	74,282,801	6,600
del	HAB	H 930	2	75,064,801	75,072,001	7,200
del	LAB	L 830	2	75,065,001	75,071,601	6,600
del	LAB	L 831	2	75,476,001	75,481,001	5,000
del	HAB	H 931	2	75,476,201	75,481,001	4,800
del	HAB	H 932	2	75,814,401	75,819,401	5,000
del	LAB	L 832	2	75,814,801	75,819,601	4,800
del	HAB	H 933	2	76,288,401	76,295,401	7,000
del	LAB	L 833	2	76,288,601	76,295,201	6,600
del	HAB	H 934	2	76,666,401	76,671,201	4,800
del	LAB	L 834	2	76,666,601	76,671,001	4,400
del	HAB	H 935	2	76,793,201	76,800,001	6,800
del	LAB	L 835	2	76,793,601	76,799,601	6,000
del	HAB	H 936	2	77,062,001	77,068,601	6,600
del	LAB	L 836	2	77,062,201	77,068,401	6,200
del	HAB	H 937	2	77,790,001	77,797,401	7,400
del	LAB	L 837	2	77,790,201	77,797,201	7,000
del	HAB	H 938	2	77,801,601	77,808,201	6,600
del	LAB	L 838	2	77,801,801	77,808,001	6,200
del	HAB	H 939	2	77,834,601	77,842,201	7,600
del	LAB	L 839	2	77,834,601	77,842,001	7,400
del	HAB	H 940	2	77,850,601	77,858,001	7,400
del	LAB	L 840	2	77,850,801	77,857,801	7,000
del	HAB	H 941	2	77,957,001	77,987,201	30,200
del	LAB	L 841	2	77,957,001	77,979,001	22,000
del	HAB	H 942	2	78,173,201	78,179,601	6,400
del	HAB	H 943	2	78,343,001	78,352,601	9,600
del	LAB	L 842	2	78,343,001	78,352,801	9,800
del	HAB	H 944	2	78,457,001	78,465,801	8,800
del	LAB	L 843	2	78,457,201	78,465,601	8,400
del	HAB	H 945	2	78,502,801	78,508,001	5,200
del	LAB	L 844	2	78,502,801	78,510,401	7,600
del	HAB	H 946	2	80,057,001	80,093,801	36,800
del	LAB	L 845	2	80,057,201	80,097,601	40,400
del	HAB	H 947	2	80,294,001	80,298,001	4,000
del	HAB	H 948	2	80,642,601	80,673,801	31,200
del	LAB	L 846	2	80,642,601	80,673,601	31,000



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 949	2	80,796,601	80,804,201	7,600
del	LAB	L 847	2	80,797,001	80,803,801	6,800
del	HAB	H 950	2	80,839,201	80,846,401	7,200
del	LAB	L 848	2	80,839,401	80,846,201	6,800
del	HAB	H 951	2	80,883,001	80,894,801	11,800
del	LAB	L 849	2	80,885,801	80,895,001	9,200
del	LAB	L 850	2	81,151,601	81,158,401	6,800
del	HAB	H 952	2	81,152,001	81,157,201	5,200
del	HAB	H 953	2	81,300,001	81,309,001	9,000
del	HAB	H 954	2	81,347,601	81,351,801	4,200
del	LAB	L 851	2	81,348,001	81,351,801	3,800
del	HAB	H 955	2	81,428,801	81,440,001	11,200
del	LAB	L 852	2	81,428,801	81,439,801	11,000
del	HAB	H 956	2	81,630,201	81,636,601	6,400
del	LAB	L 853	2	81,630,201	81,636,401	6,200
del	LAB	L 854	2	82,168,201	82,179,601	11,400
del	HAB	H 957	2	82,169,401	82,180,001	10,600
del	LAB	L 855	2	82,325,601	82,336,201	10,600
del	HAB	H 958	2	82,325,801	82,336,401	10,600
del	LAB	L 856	2	82,557,201	82,568,201	11,000
del	HAB	H 959	2	82,557,401	82,568,801	11,400
del	LAB	L 857	2	82,709,401	82,722,801	13,400
del	HAB	H 960	2	82,757,601	82,769,801	12,200
del	LAB	L 858	2	82,757,801	82,770,001	12,200
del	HAB	H 961	2	82,882,401	82,891,401	9,000
del	LAB	L 859	2	82,882,401	82,891,201	8,800
del	LAB	L 860	2	82,976,801	82,983,401	6,600
del	HAB	H 962	2	82,977,201	82,983,601	6,400
del	HAB	H 963	2	83,025,201	83,045,601	20,400
del	LAB	L 861	2	83,025,601	83,045,401	19,800
del	HAB	H 964	2	83,164,201	83,168,601	4,400
del	LAB	L 862	2	83,164,401	83,168,601	4,200
del	HAB	H 965	2	83,206,601	83,216,401	9,800
del	LAB	L 863	2	83,207,201	83,214,601	7,400
del	HAB	H 966	2	83,253,601	83,261,201	7,600
del	LAB	L 864	2	83,253,801	83,261,001	7,200
del	LAB	L 865	2	83,269,801	83,277,801	8,000
del	HAB	H 967	2	83,270,001	83,277,401	7,400
del	HAB	H 968	2	83,298,201	83,319,201	21,000
del	LAB	L 866	2	83,299,201	83,319,401	20,200
del	LAB	L 867	2	83,328,201	83,338,801	10,600
del	HAB	H 969	2	83,373,001	83,429,001	56,000
del	LAB	L 868	2	83,373,001	83,429,401	56,400
del	HAB	H 970	2	83,705,601	83,712,001	6,400
del	HAB	H 971	2	83,787,201	83,843,001	55,800
del	LAB	L 869	2	83,787,601	83,840,801	53,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 972	2	83,977,401	83,991,201	13,800
del	LAB	L 870	2	83,978,401	83,991,401	13,000
del	HAB	H 973	2	84,010,201	84,016,401	6,200
del	LAB	L 871	2	84,010,201	84,016,801	6,600
del	HAB	H 974	2	84,033,001	84,052,401	19,400
del	LAB	L 872	2	84,033,001	84,052,401	19,400
del	HAB	H 975	2	84,345,201	84,350,801	5,600
del	LAB	L 873	2	84,345,401	84,350,201	4,800
del	HAB	H 976	2	84,372,201	84,375,201	3,000
del	LAB	L 874	2	84,372,601	84,375,401	2,800
del	HAB	H 977	2	84,405,001	84,415,801	10,800
del	LAB	L 875	2	84,405,201	84,412,601	7,400
del	HAB	H 978	2	84,918,601	84,925,801	7,200
del	LAB	L 876	2	84,918,801	84,925,801	7,000
del	HAB	H 979	2	85,133,801	85,141,001	7,200
del	LAB	L 877	2	85,133,801	85,140,801	7,000
del	LAB	L 878	2	85,314,001	85,320,201	6,200
del	HAB	H 980	2	85,462,201	85,469,001	6,800
del	LAB	L 879	2	85,462,401	85,468,801	6,400
del	LAB	L 880	2	85,478,601	85,486,001	7,400
del	HAB	H 981	2	85,479,001	85,486,401	7,400
del	LAB	L 881	2	85,533,601	85,541,801	8,200
del	HAB	H 982	2	85,534,001	85,542,001	8,000
del	HAB	H 983	2	85,652,801	85,655,601	2,800
del	LAB	L 882	2	85,851,801	85,864,001	12,200
del	HAB	H 984	2	85,852,201	85,867,201	15,000
del	HAB	H 985	2	85,895,601	85,922,601	27,000
del	LAB	L 883	2	85,895,601	85,922,001	26,400
del	HAB	H 986	2	86,179,801	86,187,401	7,600
del	LAB	L 884	2	86,180,001	86,187,601	7,600
del	HAB	H 987	2	86,682,601	86,690,401	7,800
del	LAB	L 885	2	86,682,801	86,692,001	9,200
del	HAB	H 988	2	87,000,601	87,006,201	5,600
del	HAB	H 989	2	87,160,601	87,178,601	18,000
del	LAB	L 886	2	87,160,801	87,176,601	15,800
del	LAB	L 887	2	87,241,801	87,252,601	10,800
del	HAB	H 990	2	87,245,001	87,252,401	7,400
del	LAB	L 888	2	87,716,201	87,726,801	10,600
del	HAB	H 991	2	87,716,401	87,726,601	10,200
del	HAB	H 992	2	87,766,801	87,780,801	14,000
del	HAB	H 993	2	88,007,201	88,018,601	11,400
del	LAB	L 889	2	88,007,201	88,018,801	11,600
del	HAB	H 994	2	88,138,601	88,146,401	7,800
del	LAB	L 890	2	88,138,601	88,146,201	7,600
del	HAB	H 995	2	88,202,001	88,209,401	7,400
del	LAB	L 891	2	88,203,601	88,209,201	5,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 996	2	88,499,001	88,510,801	11,800
del	LAB	L 892	2	88,499,001	88,511,001	12,000
del	HAB	H 997	2	88,543,801	88,552,001	8,200
del	LAB	L 893	2	88,543,801	88,551,801	8,000
del	HAB	H 998	2	88,617,201	88,624,801	7,600
del	LAB	L 894	2	88,617,201	88,624,601	7,400
del	HAB	H 999	2	88,632,601	88,692,001	59,400
del	LAB	L 895	2	88,640,201	88,692,001	51,800
del	HAB	H 1000	2	88,939,001	88,942,401	3,400
del	LAB	L 896	2	88,939,601	88,942,001	2,400
del	HAB	H 1001	2	89,104,601	89,115,401	10,800
del	LAB	L 897	2	89,104,801	89,115,001	10,200
del	HAB	H 1002	2	89,189,401	89,194,601	5,200
del	LAB	L 898	2	89,189,601	89,195,401	5,800
del	HAB	H 1003	2	89,304,801	89,314,401	9,600
del	LAB	L 899	2	89,305,001	89,315,001	10,000
del	LAB	L 900	2	89,538,201	89,555,201	17,000
del	HAB	H 1004	2	89,538,401	89,555,201	16,800
del	LAB	L 901	2	89,604,201	89,619,801	15,600
del	HAB	H 1005	2	89,604,401	89,620,001	15,600
del	LAB	L 902	2	89,727,801	89,740,201	12,400
del	HAB	H 1006	2	89,732,601	89,740,601	8,000
del	HAB	H 1007	2	89,927,201	89,938,801	11,600
del	LAB	L 903	2	89,927,601	89,938,801	11,200
del	HAB	H 1008	2	89,997,401	90,089,001	91,600
del	LAB	L 904	2	89,997,801	90,088,801	91,000
del	HAB	H 1009	2	90,197,601	90,228,401	30,800
del	LAB	L 905	2	90,201,401	90,228,801	27,400
del	LAB	L 906	2	93,134,801	93,137,801	3,000
del	HAB	H 1010	2	93,665,201	93,672,001	6,800
del	HAB	H 1011	2	94,291,401	94,301,001	9,600
del	LAB	L 907	2	94,291,601	94,301,001	9,400
del	HAB	H 1012	2	94,442,801	94,448,001	5,200
del	LAB	L 908	2	94,443,001	94,447,801	4,800
del	HAB	H 1013	2	94,549,801	94,555,601	5,800
del	LAB	L 909	2	94,550,001	94,555,401	5,400
del	HAB	H 1014	2	94,725,401	94,731,601	6,200
del	HAB	H 1015	2	94,905,001	94,910,401	5,400
del	LAB	L 910	2	94,905,001	94,910,201	5,200
del	HAB	H 1016	2	94,990,001	95,005,201	15,200
del	LAB	L 911	2	94,990,401	95,005,201	14,800
del	HAB	H 1017	2	95,090,801	95,106,601	15,800
del	LAB	L 912	2	95,091,001	95,108,201	17,200
del	LAB	L 913	2	95,121,001	95,146,601	25,600
del	HAB	H 1018	2	95,121,401	95,146,001	24,600
del	HAB	H 1019	2	95,909,801	95,913,601	3,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 914	2	95,910,001	95,913,601	3,600
del	HAB	H 1020	2	95,953,401	95,960,401	7,000
del	HAB	H 1021	2	96,030,201	96,044,001	13,800
del	LAB	L 915	2	96,031,001	96,043,601	12,600
del	LAB	L 916	2	96,499,601	96,504,201	4,600
del	HAB	H 1022	2	96,499,801	96,504,401	4,600
del	HAB	H 1023	2	96,795,201	96,801,201	6,000
del	LAB	L 917	2	96,795,601	96,801,201	5,600
del	HAB	H 1024	2	96,810,201	96,817,801	7,600
del	LAB	L 918	2	96,810,601	96,818,801	8,200
del	HAB	H 1025	2	96,900,601	96,910,401	9,800
del	LAB	L 919	2	97,018,201	97,029,201	11,000
del	HAB	H 1026	2	97,019,601	97,029,201	9,600
del	HAB	H 1027	2	97,080,201	97,087,201	7,000
del	LAB	L 920	2	97,080,401	97,087,001	6,600
del	HAB	H 1028	2	97,154,801	97,167,801	13,000
del	LAB	L 921	2	97,154,801	97,167,801	13,000
del	HAB	H 1029	2	97,511,201	97,526,401	15,200
del	LAB	L 922	2	97,515,001	97,525,601	10,600
del	LAB	L 923	2	97,568,401	97,580,001	11,600
del	HAB	H 1030	2	97,568,801	97,579,601	10,800
del	LAB	L 924	2	97,675,201	97,684,201	9,000
del	HAB	H 1031	2	97,676,001	97,684,401	8,400
del	HAB	H 1032	2	97,711,801	97,733,801	22,000
del	LAB	L 925	2	97,712,001	97,734,001	22,000
del	HAB	H 1033	2	97,971,401	97,978,801	7,400
del	LAB	L 926	2	97,971,401	97,978,801	7,400
del	HAB	H 1034	2	98,029,601	98,037,201	7,600
del	HAB	H 1035	2	98,063,201	98,070,201	7,000
del	LAB	L 927	2	98,063,401	98,070,201	6,800
del	HAB	H 1036	2	98,145,201	98,155,201	10,000
del	HAB	H 1037	2	98,171,801	98,175,001	3,200
del	LAB	L 928	2	98,171,801	98,174,801	3,000
del	HAB	H 1038	2	98,211,201	98,214,201	3,000
del	LAB	L 929	2	98,246,601	98,267,401	20,800
del	HAB	H 1039	2	98,247,201	98,276,201	29,000
del	LAB	L 930	2	98,495,201	98,500,401	5,200
del	HAB	H 1040	2	98,496,201	98,500,401	4,200
del	HAB	H 1041	2	98,509,601	98,512,201	2,600
del	LAB	L 931	2	98,509,601	98,512,601	3,000
del	HAB	H 1042	2	98,636,401	98,642,201	5,800
del	LAB	L 932	2	98,637,001	98,642,201	5,200
del	HAB	H 1043	2	98,939,401	98,959,001	19,600
del	LAB	L 933	2	98,942,001	98,958,801	16,800
del	HAB	H 1044	2	99,033,401	99,035,801	2,400
del	LAB	L 934	2	99,200,801	99,210,401	9,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1045	2	99,203,201	99,214,401	11,200
del	HAB	H 1046	2	99,275,601	99,278,801	3,200
del	LAB	L 935	2	99,275,601	99,278,801	3,200
del	HAB	H 1047	2	99,291,801	99,306,201	14,400
del	LAB	L 936	2	99,292,001	99,306,001	14,000
del	LAB	L 937	2	99,385,401	99,392,601	7,200
del	LAB	L 938	2	99,461,401	99,469,201	7,800
del	HAB	H 1048	2	99,462,201	99,469,001	6,800
del	HAB	H 1049	2	99,743,001	99,750,401	7,400
del	LAB	L 939	2	99,743,601	99,750,401	6,800
del	HAB	H 1050	2	99,870,201	99,883,001	12,800
del	LAB	L 940	2	99,870,401	99,880,801	10,400
del	LAB	L 941	2	99,931,801	99,934,801	3,000
del	HAB	H 1051	2	99,945,401	99,960,801	15,400
del	LAB	L 942	2	99,945,601	99,960,401	14,800
del	LAB	L 943	2	100,011,601	100,016,001	4,400
del	HAB	H 1052	2	100,258,401	100,263,401	5,000
del	LAB	L 944	2	100,258,601	100,263,401	4,800
del	LAB	L 945	2	100,299,801	100,304,201	4,400
del	LAB	L 946	2	100,379,801	100,388,401	8,600
del	HAB	H 1053	2	100,380,201	100,388,401	8,200
del	HAB	H 1054	2	100,445,201	100,451,801	6,600
del	LAB	L 947	2	100,466,401	100,470,601	4,200
del	HAB	H 1055	2	100,737,001	100,744,001	7,000
del	LAB	L 948	2	100,771,801	100,784,401	12,600
del	LAB	L 949	2	100,964,801	100,975,401	10,600
del	HAB	H 1056	2	100,986,401	100,993,801	7,400
del	LAB	L 950	2	100,986,801	100,993,601	6,800
del	HAB	H 1057	2	101,165,401	101,172,201	6,800
del	LAB	L 951	2	101,165,401	101,171,601	6,200
del	HAB	H 1058	2	101,184,401	101,191,401	7,000
del	LAB	L 952	2	101,184,601	101,191,001	6,400
del	LAB	L 953	2	101,243,401	101,249,601	6,200
del	HAB	H 1059	2	102,396,201	102,398,801	2,600
del	LAB	L 954	2	103,849,401	103,857,801	8,400
del	LAB	L 955	2	104,511,201	104,515,001	3,800
del	HAB	H 1060	2	104,534,601	104,537,601	3,000
del	LAB	L 956	2	104,534,801	104,537,601	2,800
del	LAB	L 957	2	104,786,001	104,796,001	10,000
del	HAB	H 1061	2	104,789,401	104,795,601	6,200
del	HAB	H 1062	2	105,398,001	105,407,201	9,200
del	LAB	L 958	2	105,398,001	105,408,801	10,800
del	HAB	H 1063	2	105,782,401	105,789,201	6,800
del	HAB	H 1064	2	106,476,801	106,480,201	3,400
del	HAB	H 1065	2	106,656,001	106,658,801	2,800
del	HAB	H 1066	2	106,940,601	106,949,601	9,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 959	2	106,941,601	106,949,801	8,200
del	HAB	H 1067	2	106,971,201	106,981,401	10,200
del	HAB	H 1068	2	107,003,001	107,012,001	9,000
del	LAB	L 960	2	107,003,201	107,011,801	8,600
del	LAB	L 961	2	107,434,201	107,440,801	6,600
del	LAB	L 962	2	107,579,401	107,595,601	16,200
del	LAB	L 963	2	108,122,201	108,128,601	6,400
del	LAB	L 964	2	108,160,401	108,184,201	23,800
del	HAB	H 1069	2	108,236,801	108,242,401	5,600
del	LAB	L 965	2	108,236,801	108,242,401	5,600
del	HAB	H 1070	2	108,793,001	108,805,001	12,000
del	LAB	L 966	2	108,793,401	108,805,001	11,600
del	HAB	H 1071	2	109,467,001	109,471,001	4,000
del	HAB	H 1072	2	109,950,801	109,972,801	22,000
del	LAB	L 967	2	109,950,801	109,967,601	16,800
del	HAB	H 1073	2	110,084,201	110,095,001	10,800
del	LAB	L 968	2	110,084,601	110,095,001	10,400
del	HAB	H 1074	2	110,268,801	110,276,201	7,400
del	LAB	L 969	2	110,269,001	110,276,201	7,200
del	HAB	H 1075	2	110,300,201	110,307,601	7,400
del	HAB	H 1076	2	110,384,801	110,394,801	10,000
del	LAB	L 970	2	110,385,401	110,395,601	10,200
del	HAB	H 1077	2	110,413,201	110,421,601	8,400
del	LAB	L 971	2	110,414,601	110,421,401	6,800
del	HAB	H 1078	2	110,838,601	110,868,401	29,800
del	LAB	L 972	2	110,846,201	110,868,001	21,800
del	LAB	L 973	2	111,015,001	111,021,401	6,400
del	HAB	H 1079	2	111,015,201	111,021,401	6,200
del	LAB	L 974	2	111,183,601	111,196,401	12,800
del	HAB	H 1080	2	111,184,001	111,196,401	12,400
del	HAB	H 1081	2	111,556,401	111,563,801	7,400
del	LAB	L 975	2	111,557,001	111,563,401	6,400
del	LAB	L 976	2	111,657,801	111,706,801	49,000
del	HAB	H 1082	2	111,658,001	111,707,001	49,000
del	HAB	H 1083	2	111,726,801	111,746,001	19,200
del	LAB	L 977	2	111,726,801	111,745,401	18,600
del	HAB	H 1084	2	111,764,601	111,778,601	14,000
del	HAB	H 1085	2	111,895,401	111,905,801	10,400
del	LAB	L 978	2	111,895,801	111,905,601	9,800
del	LAB	L 979	2	112,002,601	112,012,801	10,200
del	HAB	H 1086	2	112,002,801	112,016,601	13,800
del	LAB	L 980	2	112,159,601	112,166,601	7,000
del	HAB	H 1087	2	112,159,801	112,166,601	6,800
del	HAB	H 1088	2	112,256,801	112,263,401	6,600
del	LAB	L 981	2	112,256,801	112,263,201	6,400
del	HAB	H 1089	2	112,541,201	112,548,201	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 982	2	112,541,401	112,548,001	6,600
del	LAB	L 983	2	112,577,401	112,581,801	4,400
del	HAB	H 1090	2	112,577,601	112,582,001	4,400
del	HAB	H 1091	2	113,358,601	113,365,201	6,600
del	LAB	L 984	2	113,359,001	113,365,001	6,000
del	HAB	H 1092	2	113,650,001	113,657,401	7,400
del	LAB	L 985	2	113,650,401	113,657,201	6,800
del	HAB	H 1093	2	114,006,001	114,013,001	7,000
del	LAB	L 986	2	114,006,401	114,012,801	6,400
del	HAB	H 1094	2	114,299,001	114,312,201	13,200
del	LAB	L 987	2	114,299,401	114,311,801	12,400
del	HAB	H 1095	2	114,323,001	114,330,401	7,400
del	LAB	L 988	2	114,323,401	114,330,201	6,800
del	LAB	L 989	2	114,970,201	114,987,601	17,400
del	HAB	H 1096	2	114,970,601	114,987,601	17,000
del	HAB	H 1097	2	115,617,601	115,620,001	2,400
del	HAB	H 1098	2	116,093,801	116,105,801	12,000
del	LAB	L 990	2	116,093,801	116,106,001	12,200
del	HAB	H 1099	2	116,278,401	116,286,601	8,200
del	LAB	L 991	2	116,280,001	116,286,401	6,400
del	HAB	H 1100	2	116,299,601	116,334,401	34,800
del	LAB	L 992	2	116,300,201	116,334,401	34,200
del	HAB	H 1101	2	116,339,201	116,355,201	16,000
del	LAB	L 993	2	116,339,201	116,365,401	26,200
del	HAB	H 1102	2	116,371,801	116,387,001	15,200
del	LAB	L 994	2	116,371,801	116,387,001	15,200
del	LAB	L 995	2	116,413,001	116,424,401	11,400
del	HAB	H 1103	2	117,027,201	117,031,001	3,800
del	LAB	L 996	2	117,802,001	117,805,001	3,000
del	HAB	H 1104	2	117,843,201	117,846,001	2,800
del	LAB	L 997	2	117,843,401	117,846,001	2,600
del	HAB	H 1105	2	118,381,001	118,390,201	9,200
del	LAB	L 998	2	118,381,001	118,390,401	9,400
del	LAB	L 999	2	118,681,001	118,684,401	3,400
del	HAB	H 1106	2	118,681,201	118,684,201	3,000
del	HAB	H 1107	2	120,042,401	120,050,601	8,200
del	LAB	L 1000	2	120,042,601	120,050,601	8,000
del	HAB	H 1108	2	120,374,601	120,380,601	6,000
del	LAB	L 1001	2	120,374,801	120,384,201	9,400
del	HAB	H 1109	2	120,461,201	120,465,001	3,800
del	LAB	L 1002	2	120,461,601	120,464,801	3,200
del	HAB	H 1110	2	120,622,201	120,628,001	5,800
del	LAB	L 1003	2	120,622,201	120,627,401	5,200
del	LAB	L 1004	2	120,639,601	120,646,801	7,200
del	HAB	H 1111	2	120,639,801	120,647,001	7,200
del	HAB	H 1112	2	122,249,601	122,342,201	92,600

type	mouse line	no.	chr	start	end	size
del	LAB	L 1005	2	122,249,801	122,256,001	6,200
del	LAB	L 1006	2	122,268,401	122,348,401	80,000
del	HAB	H 1113	2	122,391,801	122,395,001	3,200
del	HAB	H 1114	2	122,468,801	122,476,001	7,200
del	LAB	L 1007	2	122,469,001	122,476,001	7,000
del	HAB	H 1115	2	122,698,801	122,715,601	16,800
del	LAB	L 1008	2	122,699,001	122,715,801	16,800
del	HAB	H 1116	2	122,775,601	122,782,601	7,000
del	LAB	L 1009	2	122,775,801	122,782,401	6,600
del	HAB	H 1117	2	122,819,001	122,825,401	6,400
del	LAB	L 1010	2	122,819,201	122,825,201	6,000
del	HAB	H 1118	2	123,050,601	123,055,601	5,000
del	LAB	L 1011	2	123,050,801	123,055,201	4,400
del	HAB	H 1119	2	123,113,601	123,120,001	6,400
del	LAB	L 1012	2	123,114,001	123,119,801	5,800
del	HAB	H 1120	2	123,326,001	123,329,201	3,200
del	HAB	H 1121	2	123,339,801	123,350,801	11,000
del	LAB	L 1013	2	123,339,801	123,350,801	11,000
del	HAB	H 1122	2	123,385,601	123,390,601	5,000
del	LAB	L 1014	2	123,386,201	123,390,401	4,200
del	HAB	H 1123	2	123,428,001	123,432,201	4,200
del	LAB	L 1015	2	123,428,601	123,431,801	3,200
del	HAB	H 1124	2	123,705,601	123,717,801	12,200
del	LAB	L 1016	2	123,706,201	123,718,001	11,800
del	LAB	L 1017	2	124,035,601	124,037,801	2,200
del	LAB	L 1018	2	124,075,001	124,085,801	10,800
del	LAB	L 1019	2	124,175,801	124,178,801	3,000
del	LAB	L 1020	2	124,624,601	124,631,801	7,200
del	LAB	L 1021	2	124,651,001	124,661,401	10,400
del	HAB	H 1125	2	124,652,401	124,659,401	7,000
del	HAB	H 1126	2	124,700,601	124,713,201	12,600
del	LAB	L 1022	2	124,703,201	124,710,201	7,000
del	LAB	L 1023	2	124,805,201	124,811,801	6,600
del	HAB	H 1127	2	125,230,801	125,237,601	6,800
del	LAB	L 1024	2	125,820,801	125,827,201	6,400
del	HAB	H 1128	2	125,821,001	125,827,201	6,200
del	HAB	H 1129	2	126,790,201	126,798,201	8,000
del	LAB	L 1025	2	126,790,601	126,797,801	7,200
del	HAB	H 1130	2	127,618,201	127,625,801	7,600
del	LAB	L 1026	2	127,618,601	127,625,401	6,800
del	HAB	H 1131	2	128,268,601	128,275,801	7,200
del	LAB	L 1027	2	128,269,001	128,275,401	6,400
del	HAB	H 1132	2	128,305,401	128,312,801	7,400
del	LAB	L 1028	2	128,305,801	128,312,601	6,800
del	HAB	H 1133	2	128,960,001	128,963,601	3,600
del	LAB	L 1029	2	128,960,201	128,963,201	3,000



type	mouse line	no.	chr	start	end	size
del	LAB	L 1030	2	129,347,201	129,350,801	3,600
del	HAB	H 1134	2	129,667,801	129,672,801	5,000
del	HAB	H 1135	2	131,614,201	131,620,801	6,600
del	LAB	L 1031	2	131,614,801	131,620,601	5,800
del	HAB	H 1136	2	131,746,201	131,752,801	6,600
del	LAB	L 1032	2	131,746,401	131,752,601	6,200
del	LAB	L 1033	2	133,633,601	133,639,801	6,200
del	LAB	L 1034	2	133,790,801	133,797,601	6,800
del	LAB	L 1035	2	134,139,601	134,143,401	3,800
del	HAB	H 1137	2	134,337,201	134,342,601	5,400
del	LAB	L 1036	2	134,337,401	134,342,001	4,600
del	HAB	H 1138	2	134,488,201	134,496,801	8,600
del	LAB	L 1037	2	134,488,201	134,496,801	8,600
del	HAB	H 1139	2	135,268,201	135,274,401	6,200
del	LAB	L 1038	2	135,268,401	135,274,201	5,800
del	LAB	L 1039	2	135,334,401	135,344,401	10,000
del	HAB	H 1140	2	135,335,401	135,344,401	9,000
del	LAB	L 1040	2	135,420,401	135,425,001	4,600
del	LAB	L 1041	2	135,490,601	135,493,401	2,800
del	HAB	H 1141	2	136,100,201	136,111,001	10,800
del	LAB	L 1042	2	136,100,401	136,117,001	16,600
del	HAB	H 1142	2	136,316,601	136,323,801	7,200
del	LAB	L 1043	2	136,317,601	136,324,201	6,600
del	LAB	L 1044	2	136,689,601	136,696,001	6,400
del	LAB	L 1045	2	136,850,201	136,860,801	10,600
del	HAB	H 1143	2	136,850,601	136,860,801	10,200
del	LAB	L 1046	2	137,713,001	137,718,001	5,000
del	HAB	H 1144	2	138,894,201	138,900,801	6,600
del	LAB	L 1047	2	138,894,201	138,900,801	6,600
del	LAB	L 1048	2	138,905,401	138,912,801	7,400
del	HAB	H 1145	2	138,905,801	138,912,801	7,000
del	HAB	H 1146	2	138,970,601	138,982,201	11,600
del	HAB	H 1147	2	139,253,601	139,264,401	10,800
del	LAB	L 1049	2	139,282,801	139,295,601	12,800
del	HAB	H 1148	2	139,346,201	139,364,401	18,200
del	LAB	L 1050	2	139,346,201	139,361,601	15,400
del	HAB	H 1149	2	140,171,801	140,178,601	6,800
del	HAB	H 1150	2	140,555,801	140,566,401	10,600
del	LAB	L 1051	2	140,556,001	140,565,601	9,600
del	HAB	H 1151	2	140,928,601	140,935,801	7,200
del	LAB	L 1052	2	140,929,001	140,935,401	6,400
del	HAB	H 1152	2	141,321,401	141,324,601	3,200
del	LAB	L 1053	2	141,361,401	141,367,401	6,000
del	HAB	H 1153	2	141,466,201	141,469,001	2,800
del	LAB	L 1054	2	141,466,401	141,469,201	2,800
del	LAB	L 1055	2	141,725,001	141,733,801	8,800

type	mouse line	no.	chr	start	end	size
del	HAB	H 1154	2	141,729,001	141,734,001	5,000
del	HAB	H 1155	2	142,022,801	142,031,201	8,400
del	LAB	L 1056	2	142,023,001	142,030,601	7,600
del	HAB	H 1156	2	142,131,801	142,137,401	5,600
del	LAB	L 1057	2	142,132,001	142,137,001	5,000
del	HAB	H 1157	2	142,289,601	142,309,401	19,800
del	LAB	L 1058	2	142,289,801	142,309,001	19,200
del	HAB	H 1158	2	142,614,601	142,621,601	7,000
del	LAB	L 1059	2	142,615,201	142,621,401	6,200
del	HAB	H 1159	2	142,668,001	142,671,001	3,000
del	LAB	L 1060	2	142,668,201	142,670,801	2,600
del	HAB	H 1160	2	142,772,401	142,780,401	8,000
del	LAB	L 1061	2	142,866,201	142,875,401	9,200
del	HAB	H 1161	2	142,868,001	142,875,201	7,200
del	HAB	H 1162	2	143,201,401	143,211,601	10,200
del	LAB	L 1062	2	143,204,401	143,211,601	7,200
del	HAB	H 1163	2	143,450,801	143,457,601	6,800
del	LAB	L 1063	2	143,451,001	143,457,601	6,600
del	LAB	L 1064	2	143,551,001	143,558,201	7,200
del	HAB	H 1164	2	143,551,601	143,558,201	6,600
del	HAB	H 1165	2	143,974,801	143,982,201	7,400
del	LAB	L 1065	2	143,975,001	143,982,201	7,200
del	HAB	H 1166	2	144,453,201	144,458,201	5,000
del	LAB	L 1066	2	144,453,601	144,457,801	4,200
del	HAB	H 1167	2	144,717,401	144,719,801	2,400
del	HAB	H 1168	2	144,853,201	144,861,601	8,400
del	LAB	L 1067	2	144,853,401	144,861,601	8,200
del	LAB	L 1068	2	145,451,001	145,456,201	5,200
del	HAB	H 1169	2	145,961,401	145,966,201	4,800
del	LAB	L 1069	2	145,961,601	145,966,201	4,600
del	LAB	L 1070	2	145,983,401	145,989,001	5,600
del	HAB	H 1170	2	146,728,801	146,737,401	8,600
del	LAB	L 1071	2	146,728,801	146,737,001	8,200
del	HAB	H 1171	2	146,821,601	146,830,601	9,000
del	LAB	L 1072	2	146,821,801	146,830,601	8,800
del	LAB	L 1073	2	146,958,801	146,972,401	13,600
del	HAB	H 1172	2	146,961,001	146,972,401	11,400
del	HAB	H 1173	2	147,284,601	147,296,201	11,600
del	LAB	L 1074	2	147,284,801	147,296,401	11,600
del	LAB	L 1075	2	147,497,801	147,504,001	6,200
del	HAB	H 1174	2	147,744,401	147,750,801	6,400
del	HAB	H 1175	2	148,236,201	148,241,801	5,600
del	HAB	H 1176	2	148,291,401	148,297,401	6,000
del	LAB	L 1076	2	148,291,601	148,297,601	6,000
del	HAB	H 1177	2	148,438,201	148,445,801	7,600
del	HAB	H 1178	2	148,570,401	148,573,401	3,000

type	mouse line	no.	chr	start	end	size
del	LAB	L 1077	2	148,570,801	148,573,201	2,400
del	HAB	H 1179	2	148,582,801	148,590,401	7,600
del	HAB	H 1180	2	148,757,201	148,763,001	5,800
del	HAB	H 1181	2	148,780,201	148,787,201	7,000
del	LAB	L 1078	2	148,780,201	148,786,801	6,600
del	LAB	L 1079	2	148,794,801	148,817,201	22,400
del	HAB	H 1182	2	148,795,801	148,817,201	21,400
del	LAB	L 1080	2	148,875,401	148,882,201	6,800
del	LAB	L 1081	2	148,995,601	149,000,201	4,600
del	LAB	L 1082	2	149,010,801	149,017,201	6,400
del	LAB	L 1083	2	149,092,001	149,098,401	6,400
del	HAB	H 1183	2	149,092,201	149,100,001	7,800
del	HAB	H 1184	2	149,115,601	149,121,601	6,000
del	LAB	L 1084	2	149,116,001	149,121,601	5,600
del	LAB	L 1085	2	149,229,601	149,242,201	12,600
del	HAB	H 1185	2	149,236,201	149,242,001	5,800
del	LAB	L 1086	2	149,263,801	149,266,801	3,000
del	HAB	H 1186	2	149,308,601	149,316,001	7,400
del	LAB	L 1087	2	149,340,601	149,348,001	7,400
del	HAB	H 1187	2	149,341,001	149,347,201	6,200
del	HAB	H 1188	2	149,892,801	149,916,801	24,000
del	LAB	L 1088	2	150,195,601	150,201,201	5,600
del	HAB	H 1189	2	150,196,001	150,201,201	5,200
del	HAB	H 1190	2	150,238,401	150,258,601	20,200
del	LAB	L 1089	2	150,242,601	150,258,201	15,600
del	HAB	H 1191	2	150,322,801	150,334,201	11,400
del	LAB	L 1090	2	150,322,801	150,334,201	11,400
del	LAB	L 1091	2	150,873,401	150,903,601	30,200
del	HAB	H 1192	2	150,874,401	150,903,601	29,200
del	LAB	L 1092	2	150,936,001	150,964,601	28,600
del	HAB	H 1193	2	150,936,201	150,965,201	29,000
del	HAB	H 1194	2	150,992,601	151,010,201	17,600
del	LAB	L 1093	2	151,004,601	151,017,401	12,800
del	HAB	H 1195	2	151,025,801	151,064,201	38,400
del	LAB	L 1094	2	151,026,401	151,064,201	37,800
del	LAB	L 1095	2	151,113,001	151,121,001	8,000
del	HAB	H 1196	2	151,113,601	151,121,201	7,600
del	HAB	H 1197	2	151,160,001	151,189,801	29,800
del	LAB	L 1096	2	151,160,001	151,190,201	30,200
del	HAB	H 1198	2	151,265,001	151,289,201	24,200
del	LAB	L 1097	2	151,265,001	151,293,601	28,600
del	HAB	H 1199	2	152,919,801	152,926,401	6,600
del	LAB	L 1098	2	152,919,801	152,925,601	5,800
del	HAB	H 1200	2	153,852,401	153,863,601	11,200
del	HAB	H 1201	2	153,913,201	153,920,401	7,200
del	HAB	H 1202	2	154,179,601	154,191,001	11,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1099	2	154,179,801	154,188,801	9,000
del	LAB	L 1100	2	154,841,001	154,844,601	3,600
del	LAB	L 1101	2	154,853,601	154,855,401	1,800
del	LAB	L 1102	2	154,942,601	154,954,201	11,600
del	LAB	L 1103	2	155,939,601	155,945,201	5,600
del	LAB	L 1104	2	156,036,401	156,040,401	4,000
del	LAB	L 1105	2	156,182,601	156,189,401	6,800
del	HAB	H 1203	2	156,724,401	156,772,401	48,000
del	HAB	H 1204	2	157,411,401	157,418,001	6,600
del	HAB	H 1205	2	157,445,801	157,450,801	5,000
del	LAB	L 1106	2	157,446,201	157,450,601	4,400
del	HAB	H 1206	2	157,477,601	157,482,001	4,400
del	HAB	H 1207	2	158,112,001	158,118,601	6,600
del	LAB	L 1107	2	158,112,201	158,118,201	6,000
del	HAB	H 1208	2	159,171,801	159,178,401	6,600
del	HAB	H 1209	2	159,281,401	159,291,201	9,800
del	HAB	H 1210	2	159,355,601	159,358,601	3,000
del	LAB	L 1108	2	160,755,401	160,759,401	4,000
del	HAB	H 1211	2	161,194,601	161,201,801	7,200
del	HAB	H 1212	2	161,810,201	161,817,001	6,800
del	HAB	H 1213	2	161,970,801	161,992,801	22,000
del	LAB	L 1109	2	161,970,801	161,995,201	24,400
del	HAB	H 1214	2	162,195,601	162,202,001	6,400
del	LAB	L 1110	2	162,195,601	162,202,601	7,000
del	LAB	L 1111	2	162,262,801	162,265,401	2,600
del	HAB	H 1215	2	163,614,601	163,622,201	7,600
del	HAB	H 1216	2	163,659,601	163,662,401	2,800
del	HAB	H 1217	2	163,668,201	163,675,201	7,000
del	LAB	L 1112	2	163,668,601	163,674,801	6,200
del	HAB	H 1218	2	163,783,801	163,788,801	5,000
del	HAB	H 1219	2	165,500,401	165,505,201	4,800
del	LAB	L 1113	2	165,500,601	165,505,001	4,400
del	HAB	H 1220	2	165,753,601	165,773,201	19,600
del	LAB	L 1114	2	165,753,801	165,778,001	24,200
del	HAB	H 1221	2	166,356,001	166,360,801	4,800
del	LAB	L 1115	2	166,356,401	166,360,401	4,000
del	HAB	H 1222	2	166,637,401	166,643,201	5,800
del	LAB	L 1116	2	166,637,601	166,643,001	5,400
del	HAB	H 1223	2	167,108,001	167,115,201	7,200
del	LAB	L 1117	2	167,233,801	167,238,601	4,800
del	HAB	H 1224	2	171,402,401	171,409,601	7,200
del	LAB	L 1118	2	171,402,801	171,409,401	6,600
del	HAB	H 1225	2	171,751,201	171,758,001	6,800
del	LAB	L 1119	2	171,751,401	171,757,601	6,200
del	HAB	H 1226	2	172,010,201	172,014,001	3,800
del	HAB	H 1227	2	173,708,601	173,716,801	8,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1120	2	173,709,201	173,716,001	6,800
del	LAB	L 1121	2	174,803,601	174,816,601	13,000
del	HAB	H 1228	2	174,803,801	174,816,801	13,000
del	HAB	H 1229	2	174,867,801	174,878,801	11,000
del	LAB	L 1122	2	174,868,201	174,878,801	10,600
del	HAB	H 1230	2	174,978,601	174,985,201	6,600
del	LAB	L 1123	2	174,978,601	174,985,201	6,600
del	HAB	H 1231	2	175,450,401	175,456,801	6,400
del	LAB	L 1124	2	175,450,801	175,456,201	5,400
del	HAB	H 1232	2	175,519,001	175,529,401	10,400
del	LAB	L 1125	2	175,519,001	175,529,201	10,200
del	HAB	H 1233	2	175,855,001	175,859,201	4,200
del	HAB	H 1234	2	176,480,201	176,483,401	3,200
del	HAB	H 1235	2	176,694,801	176,701,001	6,200
del	LAB	L 1126	2	176,694,801	176,700,401	5,600
del	HAB	H 1236	2	176,763,401	176,773,801	10,400
del	HAB	H 1237	2	176,879,801	176,886,201	6,400
del	LAB	L 1127	2	176,879,801	176,886,201	6,400
del	HAB	H 1238	2	176,937,401	176,957,401	20,000
del	HAB	H 1239	2	177,035,401	177,041,401	6,000
del	LAB	L 1128	2	177,035,401	177,041,001	5,600
del	LAB	L 1129	2	177,312,601	177,318,401	5,800
del	HAB	H 1240	2	177,312,801	177,319,401	6,600
del	HAB	H 1241	2	177,382,601	177,394,601	12,000
del	LAB	L 1130	2	177,383,001	177,394,401	11,400
del	HAB	H 1242	2	177,480,201	177,484,401	4,200
del	HAB	H 1243	2	177,701,201	177,711,601	10,400
del	LAB	L 1131	2	177,701,601	177,711,601	10,000
del	LAB	L 1132	2	179,033,401	179,035,801	2,400
del	LAB	L 1133	2	180,904,801	180,908,401	3,600
del	LAB	L 1134	2	181,473,801	181,480,801	7,000
del	HAB	H 1244	2	181,654,201	181,670,401	16,200
del	HAB	H 1245	3	3,002,201	3,031,201	29,000
del	LAB	L 1135	3	3,002,201	3,031,601	29,400
del	HAB	H 1246	3	3,084,001	3,091,001	7,000
del	LAB	L 1136	3	3,412,601	3,457,801	45,200
del	HAB	H 1247	3	3,413,201	3,425,001	11,800
del	HAB	H 1248	3	3,432,801	3,457,401	24,600
del	HAB	H 1249	3	3,464,801	3,477,001	12,200
del	LAB	L 1137	3	3,465,601	3,475,601	10,000
del	LAB	L 1138	3	3,926,201	3,930,001	3,800
del	HAB	H 1250	3	3,926,601	3,930,201	3,600
del	LAB	L 1139	3	4,078,001	4,092,001	14,000
del	HAB	H 1251	3	4,078,201	4,091,201	13,000
del	HAB	H 1252	3	4,159,601	4,177,601	18,000
del	LAB	L 1140	3	4,169,201	4,177,601	8,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1141	3	4,627,401	4,643,801	16,400
del	HAB	H 1253	3	5,029,401	5,069,001	39,600
del	LAB	L 1142	3	5,043,601	5,068,001	24,400
del	HAB	H 1254	3	5,643,201	5,648,801	5,600
del	LAB	L 1143	3	5,643,201	5,649,201	6,000
del	HAB	H 1255	3	5,654,601	5,670,801	16,200
del	HAB	H 1256	3	5,900,601	5,905,001	4,400
del	LAB	L 1144	3	5,900,601	5,905,001	4,400
del	HAB	H 1257	3	6,297,601	6,316,201	18,600
del	LAB	L 1145	3	6,297,801	6,315,401	17,600
del	HAB	H 1258	3	6,361,401	6,377,801	16,400
del	LAB	L 1146	3	6,362,801	6,377,801	15,000
del	LAB	L 1147	3	6,460,801	6,479,001	18,200
del	HAB	H 1259	3	6,461,001	6,479,001	18,000
del	HAB	H 1260	3	6,657,001	6,667,401	10,400
del	LAB	L 1148	3	6,657,201	6,667,801	10,600
del	HAB	H 1261	3	6,701,001	6,708,601	7,600
del	LAB	L 1149	3	6,701,201	6,708,601	7,400
del	HAB	H 1262	3	6,849,801	6,857,001	7,200
del	HAB	H 1263	3	6,904,601	6,916,401	11,800
del	LAB	L 1150	3	6,906,001	6,916,201	10,200
del	HAB	H 1264	3	7,082,801	7,098,401	15,600
del	LAB	L 1151	3	7,082,801	7,098,401	15,600
del	HAB	H 1265	3	7,184,401	7,201,401	17,000
del	LAB	L 1152	3	7,184,601	7,201,601	17,000
del	HAB	H 1266	3	7,216,601	7,224,401	7,800
del	LAB	L 1153	3	7,217,001	7,224,401	7,400
del	HAB	H 1267	3	7,301,401	7,305,201	3,800
del	LAB	L 1154	3	7,301,601	7,304,801	3,200
del	HAB	H 1268	3	7,310,801	7,321,401	10,600
del	LAB	L 1155	3	7,311,001	7,321,401	10,400
del	HAB	H 1269	3	7,472,201	7,484,401	12,200
del	LAB	L 1156	3	7,472,401	7,484,401	12,000
del	LAB	L 1157	3	7,550,001	7,568,601	18,600
del	HAB	H 1270	3	7,556,601	7,568,601	12,000
del	LAB	L 1158	3	7,773,601	7,779,001	5,400
del	HAB	H 1271	3	7,774,201	7,779,801	5,600
del	HAB	H 1272	3	7,831,401	7,842,801	11,400
del	LAB	L 1159	3	7,832,001	7,842,601	10,600
del	LAB	L 1160	3	7,847,801	7,875,201	27,400
del	HAB	H 1273	3	7,849,201	7,875,401	26,200
del	HAB	H 1274	3	7,910,201	7,916,601	6,400
del	HAB	H 1275	3	8,180,601	8,188,201	7,600
del	LAB	L 1161	3	8,180,601	8,189,401	8,800
del	HAB	H 1276	3	8,427,001	8,444,201	17,200
del	LAB	L 1162	3	8,427,001	8,444,401	17,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1277	3	8,837,601	8,842,601	5,000
del	LAB	L 1163	3	9,955,001	9,967,601	12,600
del	HAB	H 1278	3	9,955,201	9,961,601	6,400
del	HAB	H 1279	3	9,994,801	10,001,601	6,800
del	LAB	L 1164	3	9,995,001	10,001,401	6,400
del	HAB	H 1280	3	10,086,401	10,089,801	3,400
del	LAB	L 1165	3	10,086,601	10,089,801	3,200
del	HAB	H 1281	3	10,964,801	10,969,601	4,800
del	HAB	H 1282	3	11,054,801	11,065,201	10,400
del	LAB	L 1166	3	11,055,001	11,064,801	9,800
del	HAB	H 1283	3	11,123,601	11,131,801	8,200
del	LAB	L 1167	3	11,123,801	11,131,401	7,600
del	HAB	H 1284	3	11,590,001	11,597,601	7,600
del	HAB	H 1285	3	11,726,001	11,740,001	14,000
del	LAB	L 1168	3	11,726,201	11,732,401	6,200
del	HAB	H 1286	3	11,796,801	11,806,201	9,400
del	LAB	L 1169	3	11,797,001	11,805,401	8,400
del	HAB	H 1287	3	11,928,401	11,933,801	5,400
del	LAB	L 1170	3	11,962,001	11,968,601	6,600
del	HAB	H 1288	3	11,962,601	11,968,801	6,200
del	HAB	H 1289	3	12,110,001	12,130,601	20,600
del	LAB	L 1171	3	12,110,601	12,125,201	14,600
del	HAB	H 1290	3	12,254,401	12,260,001	5,600
del	LAB	L 1172	3	12,254,601	12,260,001	5,400
del	HAB	H 1291	3	12,467,201	12,476,201	9,000
del	LAB	L 1173	3	12,467,401	12,476,001	8,600
del	HAB	H 1292	3	12,577,201	12,589,801	12,600
del	LAB	L 1174	3	12,577,801	12,589,801	12,000
del	HAB	H 1293	3	13,359,601	13,373,401	13,800
del	HAB	H 1294	3	13,821,201	13,826,601	5,400
del	LAB	L 1175	3	13,884,001	13,892,601	8,600
del	HAB	H 1295	3	13,884,201	13,892,401	8,200
del	HAB	H 1296	3	14,291,401	14,304,001	12,600
del	LAB	L 1176	3	14,291,401	14,304,001	12,600
del	HAB	H 1297	3	14,324,401	14,335,001	10,600
del	LAB	L 1177	3	14,324,601	14,336,001	11,400
del	HAB	H 1298	3	14,449,401	14,482,001	32,600
del	LAB	L 1178	3	14,449,401	14,481,601	32,200
del	HAB	H 1299	3	14,668,601	14,673,801	5,200
del	HAB	H 1300	3	14,700,001	14,720,401	20,400
del	LAB	L 1179	3	14,705,601	14,720,001	14,400
del	HAB	H 1301	3	14,832,801	14,836,801	4,000
del	HAB	H 1302	3	14,922,601	14,930,401	7,800
del	HAB	H 1303	3	14,980,601	14,987,601	7,000
del	HAB	H 1304	3	15,028,401	15,035,401	7,000
del	HAB	H 1305	3	15,079,401	15,090,801	11,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1306	3	15,248,001	15,255,001	7,000
del	HAB	H 1307	3	15,303,201	15,314,401	11,200
del	LAB	L 1180	3	15,304,601	15,314,401	9,800
del	HAB	H 1308	3	15,384,401	15,408,401	24,000
del	LAB	L 1181	3	15,510,201	15,527,201	17,000
del	HAB	H 1309	3	15,512,001	15,530,401	18,400
del	HAB	H 1310	3	15,556,201	15,562,001	5,800
del	HAB	H 1311	3	15,765,601	15,781,201	15,600
del	HAB	H 1312	3	15,822,201	15,833,401	11,200
del	LAB	L 1182	3	15,823,601	15,833,401	9,800
del	HAB	H 1313	3	15,863,801	15,894,401	30,600
del	HAB	H 1314	3	15,909,401	15,913,201	3,800
del	LAB	L 1183	3	15,952,401	15,965,201	12,800
del	HAB	H 1315	3	15,952,601	15,965,401	12,800
del	HAB	H 1316	3	15,988,601	15,995,001	6,400
del	HAB	H 1317	3	16,360,201	16,363,401	3,200
del	HAB	H 1318	3	16,391,401	16,402,201	10,800
del	HAB	H 1319	3	16,467,801	16,485,401	17,600
del	LAB	L 1184	3	16,521,201	16,535,001	13,800
del	HAB	H 1320	3	16,522,401	16,539,601	17,200
del	HAB	H 1321	3	16,693,001	16,700,801	7,800
del	HAB	H 1322	3	16,859,401	16,865,601	6,200
del	LAB	L 1185	3	16,859,601	16,865,601	6,000
del	LAB	L 1186	3	16,923,801	16,936,201	12,400
del	HAB	H 1323	3	17,083,201	17,095,201	12,000
del	LAB	L 1187	3	17,083,601	17,097,801	14,200
del	HAB	H 1324	3	17,120,201	17,126,801	6,600
del	LAB	L 1188	3	17,120,401	17,126,801	6,400
del	HAB	H 1325	3	17,188,201	17,204,601	16,400
del	LAB	L 1189	3	17,190,601	17,205,001	14,400
del	HAB	H 1326	3	17,338,401	17,352,601	14,200
del	LAB	L 1190	3	17,338,401	17,352,401	14,000
del	HAB	H 1327	3	17,624,001	17,629,001	5,000
del	LAB	L 1191	3	17,624,001	17,628,801	4,800
del	HAB	H 1328	3	17,771,001	17,774,001	3,000
del	LAB	L 1192	3	17,771,001	17,774,401	3,400
del	HAB	H 1329	3	18,444,001	18,457,401	13,400
del	LAB	L 1193	3	18,448,601	18,457,001	8,400
del	HAB	H 1330	3	18,617,201	18,623,401	6,200
del	HAB	H 1331	3	18,865,601	18,885,801	20,200
del	HAB	H 1332	3	18,915,601	18,925,001	9,400
del	LAB	L 1194	3	18,919,601	18,925,001	5,400
del	HAB	H 1333	3	19,232,201	19,236,201	4,000
del	HAB	H 1334	3	19,255,801	19,259,801	4,000
del	HAB	H 1335	3	19,362,201	19,374,801	12,600
del	LAB	L 1195	3	19,362,201	19,375,201	13,000



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1336	3	19,403,401	19,406,001	2,600
del	LAB	L 1196	3	19,753,801	19,757,801	4,000
del	HAB	H 1337	3	19,813,001	19,827,601	14,600
del	HAB	H 1338	3	20,276,201	20,286,801	10,600
del	LAB	L 1197	3	20,280,601	20,285,801	5,200
del	HAB	H 1339	3	20,315,601	20,324,201	8,600
del	LAB	L 1198	3	20,316,001	20,323,801	7,800
del	LAB	L 1199	3	20,523,801	20,536,801	13,000
del	HAB	H 1340	3	20,531,401	20,536,801	5,400
del	HAB	H 1341	3	20,588,801	20,592,201	3,400
del	LAB	L 1200	3	20,588,801	20,592,201	3,400
del	HAB	H 1342	3	20,639,801	20,657,001	17,200
del	LAB	L 1201	3	20,640,001	20,657,801	17,800
del	HAB	H 1343	3	20,738,601	20,751,801	13,200
del	LAB	L 1202	3	20,738,601	20,751,601	13,000
del	HAB	H 1344	3	20,796,201	20,808,401	12,200
del	LAB	L 1203	3	20,796,201	20,808,601	12,400
del	LAB	L 1204	3	20,906,601	20,916,801	10,200
del	HAB	H 1345	3	20,907,201	20,917,001	9,800
del	HAB	H 1346	3	20,948,401	20,954,001	5,600
del	HAB	H 1347	3	20,958,201	20,965,601	7,400
del	LAB	L 1205	3	20,961,201	20,964,801	3,600
del	HAB	H 1348	3	21,089,201	21,103,401	14,200
del	LAB	L 1206	3	21,090,001	21,101,801	11,800
del	HAB	H 1349	3	21,146,201	21,149,401	3,200
del	LAB	L 1207	3	21,146,601	21,149,001	2,400
del	HAB	H 1350	3	21,283,001	21,292,601	9,600
del	LAB	L 1208	3	21,283,401	21,291,601	8,200
del	HAB	H 1351	3	21,584,201	21,594,001	9,800
del	LAB	L 1209	3	21,584,201	21,595,601	11,400
del	HAB	H 1352	3	22,172,201	22,181,401	9,200
del	LAB	L 1210	3	22,172,201	22,181,601	9,400
del	HAB	H 1353	3	22,238,801	22,246,001	7,200
del	LAB	L 1211	3	22,239,201	22,246,201	7,000
del	LAB	L 1212	3	22,255,201	22,282,401	27,200
del	HAB	H 1354	3	22,261,201	22,281,601	20,400
del	LAB	L 1213	3	22,347,601	22,357,801	10,200
del	HAB	H 1355	3	22,348,001	22,358,001	10,000
del	LAB	L 1214	3	22,515,001	22,521,401	6,400
del	HAB	H 1356	3	22,515,401	22,523,001	7,600
del	HAB	H 1357	3	22,542,801	22,558,401	15,600
del	LAB	L 1215	3	22,543,201	22,556,601	13,400
del	HAB	H 1358	3	22,565,601	22,569,201	3,600
del	HAB	H 1359	3	22,615,401	22,633,601	18,200
del	LAB	L 1216	3	22,615,801	22,633,601	17,800
del	HAB	H 1360	3	22,650,201	22,656,001	5,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1217	3	22,650,801	22,655,401	4,600
del	HAB	H 1361	3	22,797,001	22,811,001	14,000
del	LAB	L 1218	3	22,797,201	22,810,801	13,600
del	LAB	L 1219	3	22,841,601	22,866,801	25,200
del	HAB	H 1362	3	22,848,001	22,868,001	20,000
del	HAB	H 1363	3	22,897,001	22,920,601	23,600
del	LAB	L 1220	3	22,897,001	22,919,801	22,800
del	LAB	L 1221	3	23,200,801	23,227,601	26,800
del	HAB	H 1364	3	23,203,001	23,228,401	25,400
del	HAB	H 1365	3	23,251,801	23,259,001	7,200
del	LAB	L 1222	3	23,252,001	23,259,001	7,000
del	HAB	H 1366	3	23,583,601	23,594,401	10,800
del	LAB	L 1223	3	23,583,601	23,593,601	10,000
del	LAB	L 1224	3	23,983,001	23,992,001	9,000
del	HAB	H 1367	3	23,983,201	23,991,801	8,600
del	HAB	H 1368	3	24,086,001	24,092,601	6,600
del	LAB	L 1225	3	24,086,001	24,093,001	7,000
del	HAB	H 1369	3	24,137,601	24,144,401	6,800
del	LAB	L 1226	3	24,138,001	24,144,401	6,400
del	HAB	H 1370	3	24,298,001	24,304,801	6,800
del	LAB	L 1227	3	24,298,201	24,304,801	6,600
del	HAB	H 1371	3	24,426,401	24,430,201	3,800
del	LAB	L 1228	3	24,426,601	24,430,001	3,400
del	HAB	H 1372	3	24,854,801	24,868,201	13,400
del	LAB	L 1229	3	24,860,601	24,867,801	7,200
del	HAB	H 1373	3	24,883,401	24,890,401	7,000
del	LAB	L 1230	3	24,883,601	24,890,201	6,600
del	HAB	H 1374	3	24,999,801	25,006,401	6,600
del	LAB	L 1231	3	25,000,001	25,006,401	6,400
del	HAB	H 1375	3	25,053,801	25,061,401	7,600
del	LAB	L 1232	3	25,054,201	25,061,201	7,000
del	HAB	H 1376	3	25,188,601	25,199,601	11,000
del	LAB	L 1233	3	25,189,201	25,197,601	8,400
del	LAB	L 1234	3	25,990,401	26,004,601	14,200
del	HAB	H 1377	3	26,245,601	26,266,001	20,400
del	LAB	L 1235	3	26,245,601	26,266,401	20,800
del	HAB	H 1378	3	26,660,801	26,667,201	6,400
del	LAB	L 1236	3	26,661,001	26,667,201	6,200
del	HAB	H 1379	3	26,847,001	26,853,801	6,800
del	LAB	L 1237	3	26,847,401	26,854,601	7,200
del	HAB	H 1380	3	28,097,001	28,100,201	3,200
del	LAB	L 1238	3	28,097,201	28,100,001	2,800
del	HAB	H 1381	3	28,760,801	28,782,201	21,400
del	LAB	L 1239	3	28,765,801	28,782,801	17,000
del	HAB	H 1382	3	28,874,401	28,897,201	22,800
del	LAB	L 1240	3	28,883,001	28,889,401	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1383	3	28,906,601	28,918,201	11,600
del	LAB	L 1241	3	29,382,001	29,388,201	6,200
del	HAB	H 1384	3	29,382,201	29,388,801	6,600
del	HAB	H 1385	3	29,572,001	29,577,401	5,400
del	LAB	L 1242	3	29,572,401	29,577,401	5,000
del	HAB	H 1386	3	29,635,201	29,638,201	3,000
del	LAB	L 1243	3	29,635,201	29,638,201	3,000
del	HAB	H 1387	3	29,765,001	29,772,001	7,000
del	LAB	L 1244	3	29,765,401	29,774,001	8,600
del	HAB	H 1388	3	30,463,001	30,466,601	3,600
del	LAB	L 1245	3	30,463,001	30,466,401	3,400
del	LAB	L 1246	3	31,247,601	31,261,401	13,800
del	HAB	H 1389	3	31,249,201	31,261,401	12,200
del	LAB	L 1247	3	31,368,801	31,376,601	7,800
del	LAB	L 1248	3	31,434,601	31,456,801	22,200
del	LAB	L 1249	3	31,474,801	31,484,601	9,800
del	HAB	H 1390	3	31,476,001	31,484,801	8,800
del	LAB	L 1250	3	31,550,201	31,556,201	6,000
del	LAB	L 1251	3	31,600,201	31,613,601	13,400
del	LAB	L 1252	3	31,661,401	31,663,801	2,400
del	HAB	H 1391	3	32,061,001	32,072,201	11,200
del	LAB	L 1253	3	32,269,801	32,275,001	5,200
del	LAB	L 1254	3	32,317,401	32,322,201	4,800
del	HAB	H 1392	3	33,136,801	33,150,201	13,400
del	LAB	L 1255	3	33,137,201	33,149,401	12,200
del	LAB	L 1256	3	33,181,801	33,184,801	3,000
del	HAB	H 1393	3	33,220,601	33,234,001	13,400
del	LAB	L 1257	3	33,221,001	33,234,201	13,200
del	LAB	L 1258	3	33,321,601	33,328,201	6,600
del	HAB	H 1394	3	33,322,001	33,328,401	6,400
del	HAB	H 1395	3	33,494,001	33,506,001	12,000
del	LAB	L 1259	3	33,494,001	33,505,001	11,000
del	HAB	H 1396	3	33,521,401	33,529,001	7,600
del	LAB	L 1260	3	33,521,601	33,529,201	7,600
del	HAB	H 1397	3	33,601,001	33,605,601	4,600
del	LAB	L 1261	3	33,601,401	33,605,801	4,400
del	HAB	H 1398	3	33,674,001	33,680,001	6,000
del	LAB	L 1262	3	33,674,401	33,679,801	5,400
del	LAB	L 1263	3	33,834,801	33,847,401	12,600
del	HAB	H 1399	3	33,835,001	33,847,801	12,800
del	LAB	L 1264	3	34,745,601	34,752,601	7,000
del	LAB	L 1265	3	35,023,601	35,030,601	7,000
del	LAB	L 1266	3	35,312,401	35,331,001	18,600
del	LAB	L 1267	3	35,493,001	35,499,401	6,400
del	HAB	H 1400	3	35,496,601	35,512,801	16,200
del	LAB	L 1268	3	35,503,601	35,513,001	9,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1269	3	35,605,601	35,612,201	6,600
del	HAB	H 1401	3	36,137,001	36,142,401	5,400
del	LAB	L 1270	3	36,137,201	36,142,001	4,800
del	HAB	H 1402	3	36,745,801	36,753,001	7,200
del	LAB	L 1271	3	36,796,801	36,810,601	13,800
del	HAB	H 1403	3	37,113,601	37,116,401	2,800
del	LAB	L 1272	3	37,113,801	37,116,201	2,400
del	HAB	H 1404	3	37,289,401	37,294,401	5,000
del	LAB	L 1273	3	37,289,601	37,294,201	4,600
del	HAB	H 1405	3	37,919,201	37,925,401	6,200
del	LAB	L 1274	3	37,920,001	37,925,201	5,200
del	HAB	H 1406	3	38,018,001	38,024,601	6,600
del	LAB	L 1275	3	38,018,001	38,024,401	6,400
del	HAB	H 1407	3	38,109,601	38,118,001	8,400
del	LAB	L 1276	3	38,110,001	38,120,401	10,400
del	HAB	H 1408	3	38,501,601	38,506,001	4,400
del	LAB	L 1277	3	38,501,801	38,506,001	4,200
del	HAB	H 1409	3	38,523,601	38,531,601	8,000
del	LAB	L 1278	3	38,523,601	38,531,601	8,000
del	HAB	H 1410	3	38,627,201	38,629,601	2,400
del	HAB	H 1411	3	38,661,001	38,667,801	6,800
del	HAB	H 1412	3	39,445,201	39,452,001	6,800
del	LAB	L 1279	3	39,445,401	39,452,001	6,600
del	LAB	L 1280	3	39,762,001	39,777,601	15,600
del	HAB	H 1413	3	39,762,201	39,776,001	13,800
del	HAB	H 1414	3	40,050,001	40,056,801	6,800
del	LAB	L 1281	3	40,050,401	40,056,401	6,000
del	HAB	H 1415	3	40,449,201	40,454,601	5,400
del	LAB	L 1282	3	40,449,401	40,454,601	5,200
del	HAB	H 1416	3	41,565,801	41,569,001	3,200
del	LAB	L 1283	3	41,565,801	41,568,601	2,800
del	HAB	H 1417	3	41,574,801	41,609,201	34,400
del	LAB	L 1284	3	41,575,001	41,609,401	34,400
del	HAB	H 1418	3	41,676,201	41,689,201	13,000
del	LAB	L 1285	3	41,676,201	41,688,801	12,600
del	HAB	H 1419	3	41,792,801	41,798,401	5,600
del	LAB	L 1286	3	41,975,601	41,991,201	15,600
del	HAB	H 1420	3	41,977,201	41,991,201	14,000
del	HAB	H 1421	3	42,973,201	42,977,801	4,600
del	HAB	H 1422	3	42,989,401	42,998,801	9,400
del	LAB	L 1287	3	42,989,801	42,998,001	8,200
del	HAB	H 1423	3	43,177,601	43,183,401	5,800
del	LAB	L 1288	3	43,178,001	43,183,201	5,200
del	HAB	H 1424	3	43,275,601	43,279,801	4,200
del	HAB	H 1425	3	43,290,001	43,302,001	12,000
del	LAB	L 1289	3	43,292,601	43,299,201	6,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1426	3	43,810,601	43,833,201	22,600
del	LAB	L 1290	3	43,822,401	43,833,401	11,000
del	HAB	H 1427	3	43,994,201	44,001,801	7,600
del	LAB	L 1291	3	43,994,801	44,001,801	7,000
del	LAB	L 1292	3	44,306,801	44,309,001	2,200
del	HAB	H 1428	3	44,307,001	44,309,201	2,200
del	HAB	H 1429	3	44,420,401	44,426,401	6,000
del	LAB	L 1293	3	44,420,401	44,427,001	6,600
del	LAB	L 1294	3	44,452,201	44,457,401	5,200
del	HAB	H 1430	3	44,452,601	44,470,401	17,800
del	HAB	H 1431	3	44,820,001	44,830,201	10,200
del	LAB	L 1295	3	44,820,401	44,834,801	14,400
del	LAB	L 1296	3	44,961,001	44,974,401	13,400
del	HAB	H 1432	3	44,961,601	44,971,801	10,200
del	HAB	H 1433	3	45,305,601	45,316,601	11,000
del	LAB	L 1297	3	45,305,601	45,316,601	11,000
del	HAB	H 1434	3	45,384,801	45,394,401	9,600
del	LAB	L 1298	3	45,385,201	45,394,801	9,600
del	HAB	H 1435	3	45,636,601	45,652,201	15,600
del	HAB	H 1436	3	46,002,401	46,010,401	8,000
del	LAB	L 1299	3	46,002,801	46,010,601	7,800
del	LAB	L 1300	3	46,039,801	46,052,001	12,200
del	HAB	H 1437	3	46,040,201	46,051,801	11,600
del	HAB	H 1438	3	46,173,801	46,189,401	15,600
del	LAB	L 1301	3	46,174,001	46,189,201	15,200
del	HAB	H 1439	3	46,601,001	46,608,601	7,600
del	LAB	L 1302	3	46,601,201	46,608,601	7,400
del	HAB	H 1440	3	46,720,401	46,734,601	14,200
del	LAB	L 1303	3	46,721,201	46,734,601	13,400
del	HAB	H 1441	3	47,091,601	47,099,401	7,800
del	LAB	L 1304	3	47,092,001	47,099,601	7,600
del	LAB	L 1305	3	47,210,001	47,218,201	8,200
del	HAB	H 1442	3	47,210,601	47,217,801	7,200
del	HAB	H 1443	3	47,339,001	47,357,401	18,400
del	HAB	H 1444	3	47,387,801	47,414,401	26,600
del	LAB	L 1306	3	47,388,201	47,414,401	26,200
del	HAB	H 1445	3	47,422,001	47,431,401	9,400
del	HAB	H 1446	3	47,449,601	47,453,801	4,200
del	LAB	L 1307	3	47,449,801	47,453,401	3,600
del	HAB	H 1447	3	47,679,401	47,686,001	6,600
del	LAB	L 1308	3	47,679,601	47,686,001	6,400
del	HAB	H 1448	3	47,768,601	47,779,001	10,400
del	LAB	L 1309	3	47,769,001	47,779,001	10,000
del	HAB	H 1449	3	47,804,801	47,817,601	12,800
del	LAB	L 1310	3	47,804,801	47,816,401	11,600
del	HAB	H 1450	3	47,966,601	47,982,001	15,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1311	3	47,970,601	47,981,801	11,200
del	HAB	H 1451	3	48,237,601	48,261,601	24,000
del	LAB	L 1312	3	48,238,601	48,261,801	23,200
del	HAB	H 1452	3	48,537,601	48,540,801	3,200
del	LAB	L 1313	3	48,537,601	48,541,001	3,400
del	HAB	H 1453	3	48,657,401	48,660,401	3,000
del	HAB	H 1454	3	48,734,001	48,739,001	5,000
del	LAB	L 1314	3	48,734,401	48,738,801	4,400
del	LAB	L 1315	3	48,852,601	48,858,601	6,000
del	HAB	H 1455	3	48,852,801	48,858,601	5,800
del	HAB	H 1456	3	48,875,001	48,881,401	6,400
del	HAB	H 1457	3	48,926,801	48,942,201	15,400
del	LAB	L 1316	3	48,926,801	48,942,001	15,200
del	HAB	H 1458	3	48,964,001	48,969,001	5,000
del	HAB	H 1459	3	49,071,001	49,080,001	9,000
del	LAB	L 1317	3	49,175,601	49,189,201	13,600
del	HAB	H 1460	3	49,176,001	49,188,001	12,000
del	HAB	H 1461	3	49,253,201	49,269,001	15,800
del	LAB	L 1318	3	49,253,201	49,269,201	16,000
del	HAB	H 1462	3	49,278,401	49,286,801	8,400
del	LAB	L 1319	3	49,278,801	49,286,601	7,800
del	LAB	L 1320	3	49,347,601	49,356,801	9,200
del	HAB	H 1463	3	49,347,801	49,357,001	9,200
del	HAB	H 1464	3	49,531,201	49,538,601	7,400
del	LAB	L 1321	3	49,531,401	49,538,001	6,600
del	HAB	H 1465	3	49,600,801	49,607,401	6,600
del	LAB	L 1322	3	49,601,001	49,607,201	6,200
del	HAB	H 1466	3	49,622,801	49,633,201	10,400
del	LAB	L 1323	3	49,623,001	49,632,801	9,800
del	LAB	L 1324	3	49,793,601	49,798,401	4,800
del	HAB	H 1467	3	49,795,201	49,798,801	3,600
del	LAB	L 1325	3	49,855,801	49,863,801	8,000
del	HAB	H 1468	3	49,857,601	49,864,201	6,600
del	HAB	H 1469	3	50,268,601	50,283,201	14,600
del	LAB	L 1326	3	50,268,801	50,277,601	8,800
del	HAB	H 1470	3	50,344,801	50,351,001	6,200
del	LAB	L 1327	3	50,345,001	50,350,801	5,800
del	HAB	H 1471	3	50,470,201	50,477,601	7,400
del	LAB	L 1328	3	50,470,201	50,477,201	7,000
del	HAB	H 1472	3	50,500,401	50,506,601	6,200
del	LAB	L 1329	3	50,500,401	50,506,201	5,800
del	HAB	H 1473	3	50,761,001	50,767,801	6,800
del	LAB	L 1330	3	50,761,401	50,767,401	6,000
del	LAB	L 1331	3	50,905,401	50,909,001	3,600
del	HAB	H 1474	3	51,043,601	51,049,401	5,800
del	HAB	H 1475	3	52,033,601	52,037,001	3,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1332	3	52,034,201	52,037,001	2,800
del	HAB	H 1476	3	52,714,801	52,723,401	8,600
del	LAB	L 1333	3	52,715,201	52,723,601	8,400
del	HAB	H 1477	3	52,917,401	52,923,001	5,600
del	LAB	L 1334	3	52,917,801	52,922,801	5,000
del	HAB	H 1478	3	52,990,401	52,996,601	6,200
del	LAB	L 1335	3	52,990,601	52,996,201	5,600
del	HAB	H 1479	3	53,167,601	53,173,201	5,600
del	LAB	L 1336	3	53,167,801	53,173,201	5,400
del	LAB	L 1337	3	54,652,601	54,661,201	8,600
del	HAB	H 1480	3	54,653,001	54,660,401	7,400
del	HAB	H 1481	3	55,382,001	55,389,801	7,800
del	HAB	H 1482	3	55,406,601	55,414,401	7,800
del	LAB	L 1338	3	55,406,601	55,414,401	7,800
del	HAB	H 1483	3	55,715,601	55,725,201	9,600
del	LAB	L 1339	3	55,715,801	55,721,801	6,000
del	LAB	L 1340	3	55,823,201	55,830,001	6,800
del	HAB	H 1484	3	55,824,401	55,830,401	6,000
del	HAB	H 1485	3	55,939,801	55,951,201	11,400
del	LAB	L 1341	3	55,940,401	55,951,401	11,000
del	HAB	H 1486	3	56,175,001	56,185,601	10,600
del	LAB	L 1342	3	56,175,201	56,185,401	10,200
del	HAB	H 1487	3	56,340,601	56,359,201	18,600
del	LAB	L 1343	3	56,344,201	56,359,201	15,000
del	HAB	H 1488	3	56,408,601	56,420,401	11,800
del	HAB	H 1489	3	56,563,201	56,565,801	2,600
del	HAB	H 1490	3	56,708,001	56,714,601	6,600
del	LAB	L 1344	3	56,708,201	56,714,601	6,400
del	HAB	H 1491	3	56,864,201	56,874,201	10,000
del	LAB	L 1345	3	56,864,601	56,874,401	9,800
del	HAB	H 1492	3	58,572,201	58,574,801	2,600
del	LAB	L 1346	3	58,572,401	58,574,801	2,400
del	HAB	H 1493	3	58,656,001	58,662,801	6,800
del	HAB	H 1494	3	59,078,801	59,091,201	12,400
del	LAB	L 1347	3	59,078,801	59,085,001	6,200
del	HAB	H 1495	3	59,348,601	59,354,601	6,000
del	HAB	H 1496	3	59,369,201	59,374,201	5,000
del	LAB	L 1348	3	59,369,401	59,374,001	4,600
del	LAB	L 1349	3	59,389,801	59,398,401	8,600
del	HAB	H 1497	3	59,390,201	59,398,401	8,200
del	HAB	H 1498	3	59,429,201	59,437,001	7,800
del	LAB	L 1350	3	59,429,401	59,436,601	7,200
del	HAB	H 1499	3	59,457,401	59,470,401	13,000
del	HAB	H 1500	3	59,481,201	59,489,001	7,800
del	LAB	L 1351	3	59,482,601	59,493,401	10,800
del	HAB	H 1501	3	59,598,401	59,612,001	13,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1502	3	59,788,401	59,801,801	13,400
del	HAB	H 1503	3	60,035,401	60,046,001	10,600
del	LAB	L 1352	3	60,035,601	60,046,001	10,400
del	HAB	H 1504	3	60,293,801	60,299,201	5,400
del	LAB	L 1353	3	60,293,801	60,299,001	5,200
del	LAB	L 1354	3	60,769,601	60,778,801	9,200
del	HAB	H 1505	3	60,770,001	60,779,001	9,000
del	HAB	H 1506	3	60,975,601	60,985,601	10,000
del	LAB	L 1355	3	60,975,601	60,985,601	10,000
del	HAB	H 1507	3	61,061,801	61,079,001	17,200
del	LAB	L 1356	3	61,062,001	61,078,401	16,400
del	HAB	H 1508	3	61,439,401	61,451,601	12,200
del	LAB	L 1357	3	61,441,001	61,450,601	9,600
del	LAB	L 1358	3	61,481,801	61,487,001	5,200
del	HAB	H 1509	3	61,511,401	61,530,601	19,200
del	LAB	L 1359	3	61,512,001	61,530,401	18,400
del	LAB	L 1360	3	61,629,401	61,634,201	4,800
del	HAB	H 1510	3	61,629,601	61,634,001	4,400
del	HAB	H 1511	3	61,914,801	61,944,601	29,800
del	LAB	L 1361	3	61,915,201	61,944,401	29,200
del	HAB	H 1512	3	62,009,801	62,016,801	7,000
del	LAB	L 1362	3	62,009,801	62,017,001	7,200
del	HAB	H 1513	3	62,105,801	62,112,401	6,600
del	LAB	L 1363	3	62,106,001	62,112,801	6,800
del	LAB	L 1364	3	62,161,601	62,171,601	10,000
del	HAB	H 1514	3	62,162,801	62,172,001	9,200
del	HAB	H 1515	3	62,317,401	62,326,401	9,000
del	LAB	L 1365	3	62,317,601	62,326,401	8,800
del	HAB	H 1516	3	62,907,801	62,911,801	4,000
del	LAB	L 1366	3	62,908,001	62,911,401	3,400
del	HAB	H 1517	3	63,324,601	63,328,801	4,200
del	LAB	L 1367	3	63,324,801	63,328,601	3,800
del	HAB	H 1518	3	63,473,201	63,481,201	8,000
del	LAB	L 1368	3	63,473,601	63,481,001	7,400
del	HAB	H 1519	3	64,238,001	64,248,601	10,600
del	LAB	L 1369	3	64,239,201	64,248,601	9,400
del	HAB	H 1520	3	64,256,801	64,289,201	32,400
del	LAB	L 1370	3	64,257,601	64,289,201	31,600
del	LAB	L 1371	3	64,377,001	64,384,001	7,000
del	HAB	H 1521	3	64,414,801	64,423,401	8,600
del	LAB	L 1372	3	64,415,201	64,425,001	9,800
del	HAB	H 1522	3	64,439,201	64,445,401	6,200
del	HAB	H 1523	3	64,461,201	64,466,201	5,000
del	LAB	L 1373	3	64,461,801	64,466,001	4,200
del	HAB	H 1524	3	64,502,401	64,514,201	11,800
del	LAB	L 1374	3	64,503,001	64,513,801	10,800



type	mouse line	no.	chr	start	end	size
del	HAB	H 1525	3	64,605,401	64,629,001	23,600
del	LAB	L 1375	3	64,605,801	64,628,401	22,600
del	HAB	H 1526	3	64,648,801	64,654,401	5,600
del	LAB	L 1376	3	64,649,201	64,653,601	4,400
del	HAB	H 1527	3	64,725,201	64,728,201	3,000
del	LAB	L 1377	3	64,725,201	64,728,001	2,800
del	LAB	L 1378	3	64,993,601	65,002,201	8,600
del	LAB	L 1379	3	65,227,001	65,233,401	6,400
del	HAB	H 1528	3	66,073,201	66,087,401	14,200
del	LAB	L 1380	3	66,073,201	66,087,201	14,000
del	HAB	H 1529	3	66,712,001	66,719,401	7,400
del	LAB	L 1381	3	66,712,601	66,719,001	6,400
del	HAB	H 1530	3	66,848,601	66,862,601	14,000
del	LAB	L 1382	3	66,849,201	66,863,401	14,200
del	HAB	H 1531	3	66,956,001	66,964,601	8,600
del	LAB	L 1383	3	66,956,201	66,962,801	6,600
del	HAB	H 1532	3	67,590,601	67,597,801	7,200
del	HAB	H 1533	3	67,918,401	67,924,201	5,800
del	LAB	L 1384	3	67,918,401	67,923,401	5,000
del	LAB	L 1385	3	68,528,601	68,538,801	10,200
del	HAB	H 1534	3	68,528,801	68,543,001	14,200
del	HAB	H 1535	3	68,704,001	68,709,001	5,000
del	LAB	L 1386	3	68,704,201	68,708,801	4,600
del	HAB	H 1536	3	69,367,401	69,374,001	6,600
del	HAB	H 1537	3	69,422,401	69,427,201	4,800
del	LAB	L 1387	3	69,422,401	69,426,601	4,200
del	HAB	H 1538	3	69,441,801	69,449,201	7,400
del	HAB	H 1539	3	69,725,401	69,730,401	5,000
del	LAB	L 1388	3	69,725,601	69,730,201	4,600
del	HAB	H 1540	3	69,853,001	69,879,201	26,200
del	LAB	L 1389	3	69,854,401	69,879,201	24,800
del	HAB	H 1541	3	69,969,001	69,975,401	6,400
del	LAB	L 1390	3	69,969,201	69,975,001	5,800
del	HAB	H 1542	3	70,631,801	70,641,001	9,200
del	HAB	H 1543	3	70,645,201	70,652,201	7,000
del	LAB	L 1391	3	70,645,401	70,652,001	6,600
del	LAB	L 1392	3	70,858,001	70,873,401	15,400
del	HAB	H 1544	3	70,862,001	70,872,801	10,800
del	HAB	H 1545	3	71,199,001	71,213,001	14,000
del	LAB	L 1393	3	71,199,001	71,212,801	13,800
del	HAB	H 1546	3	71,235,401	71,245,001	9,600
del	LAB	L 1394	3	71,235,601	71,244,801	9,200
del	HAB	H 1547	3	71,327,801	71,342,201	14,400
del	LAB	L 1395	3	71,328,801	71,342,801	14,000
del	HAB	H 1548	3	71,949,001	71,963,601	14,600
del	LAB	L 1396	3	71,949,401	71,964,201	14,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1549	3	72,085,001	72,100,601	15,600
del	LAB	L 1397	3	72,085,201	72,102,001	16,800
del	HAB	H 1550	3	72,335,001	72,341,201	6,200
del	LAB	L 1398	3	72,335,401	72,340,201	4,800
del	HAB	H 1551	3	72,442,201	72,454,401	12,200
del	LAB	L 1399	3	72,442,801	72,455,601	12,800
del	HAB	H 1552	3	72,697,201	72,706,201	9,000
del	LAB	L 1400	3	72,697,201	72,706,201	9,000
del	LAB	L 1401	3	72,817,401	72,826,201	8,800
del	HAB	H 1553	3	72,817,801	72,825,801	8,000
del	HAB	H 1554	3	72,892,001	72,900,601	8,600
del	LAB	L 1402	3	72,892,201	72,900,601	8,400
del	HAB	H 1555	3	73,047,001	73,066,201	19,200
del	LAB	L 1403	3	73,050,801	73,066,201	15,400
del	HAB	H 1556	3	73,231,801	73,272,401	40,600
del	LAB	L 1404	3	73,232,001	73,272,201	40,200
del	HAB	H 1557	3	73,537,001	73,542,801	5,800
del	LAB	L 1405	3	73,537,201	73,542,601	5,400
del	HAB	H 1558	3	73,659,801	73,679,001	19,200
del	LAB	L 1406	3	73,660,201	73,679,001	18,800
del	LAB	L 1407	3	74,011,601	74,021,601	10,000
del	HAB	H 1559	3	74,011,801	74,021,601	9,800
del	HAB	H 1560	3	74,034,401	74,060,401	26,000
del	LAB	L 1408	3	74,034,401	74,062,801	28,400
del	HAB	H 1561	3	74,391,201	74,402,201	11,000
del	LAB	L 1409	3	74,391,401	74,402,001	10,600
del	LAB	L 1410	3	74,554,801	74,566,401	11,600
del	HAB	H 1562	3	74,558,001	74,566,601	8,600
del	HAB	H 1563	3	74,675,401	74,680,401	5,000
del	LAB	L 1411	3	74,675,801	74,679,401	3,600
del	HAB	H 1564	3	74,685,801	74,701,201	15,400
del	LAB	L 1412	3	74,685,801	74,700,401	14,600
del	LAB	L 1413	3	74,895,601	74,902,001	6,400
del	HAB	H 1565	3	75,174,801	75,180,601	5,800
del	LAB	L 1414	3	75,174,801	75,180,601	5,800
del	LAB	L 1415	3	75,215,401	75,223,401	8,000
del	HAB	H 1566	3	75,216,001	75,226,001	10,000
del	LAB	L 1416	3	75,648,801	75,654,801	6,000
del	HAB	H 1567	3	75,649,201	75,655,001	5,800
del	HAB	H 1568	3	75,890,801	75,900,001	9,200
del	LAB	L 1417	3	75,890,801	75,899,801	9,000
del	HAB	H 1569	3	76,358,601	76,361,801	3,200
del	LAB	L 1418	3	76,359,001	76,361,601	2,600
del	HAB	H 1570	3	76,654,001	76,657,001	3,000
del	LAB	L 1419	3	76,654,201	76,656,601	2,400
del	HAB	H 1571	3	76,690,601	76,696,801	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1420	3	76,690,601	76,696,801	6,200
del	HAB	H 1572	3	76,982,801	76,990,001	7,200
del	LAB	L 1421	3	76,983,001	76,990,001	7,000
del	HAB	H 1573	3	77,058,801	77,067,401	8,600
del	LAB	L 1422	3	77,059,001	77,066,601	7,600
del	HAB	H 1574	3	77,401,201	77,408,201	7,000
del	LAB	L 1423	3	77,401,601	77,407,801	6,200
del	HAB	H 1575	3	77,468,401	77,490,001	21,600
del	LAB	L 1424	3	77,468,401	77,472,001	3,600
del	LAB	L 1425	3	77,476,801	77,489,801	13,000
del	HAB	H 1576	3	78,141,801	78,147,801	6,000
del	HAB	H 1577	3	78,227,001	78,231,801	4,800
del	LAB	L 1426	3	78,227,201	78,232,601	5,400
del	LAB	L 1427	3	78,255,401	78,261,201	5,800
del	LAB	L 1428	3	78,289,201	78,304,801	15,600
del	HAB	H 1578	3	78,289,801	78,304,601	14,800
del	HAB	H 1579	3	78,348,401	78,372,801	24,400
del	LAB	L 1429	3	78,348,601	78,371,801	23,200
del	HAB	H 1580	3	78,406,401	78,415,401	9,000
del	LAB	L 1430	3	78,407,001	78,415,001	8,000
del	HAB	H 1581	3	78,545,201	78,554,201	9,000
del	LAB	L 1431	3	78,545,601	78,553,201	7,600
del	HAB	H 1582	3	78,570,201	78,581,201	11,000
del	LAB	L 1432	3	78,570,201	78,581,401	11,200
del	HAB	H 1583	3	78,617,001	78,634,001	17,000
del	LAB	L 1433	3	78,617,201	78,634,001	16,800
del	HAB	H 1584	3	79,564,801	79,575,801	11,000
del	LAB	L 1434	3	79,564,801	79,574,601	9,800
del	HAB	H 1585	3	80,148,001	80,162,801	14,800
del	LAB	L 1435	3	80,158,001	80,162,801	4,800
del	HAB	H 1586	3	80,242,601	80,254,201	11,600
del	LAB	L 1436	3	80,244,801	80,254,401	9,600
del	HAB	H 1587	3	80,274,801	80,279,601	4,800
del	LAB	L 1437	3	80,275,201	80,279,601	4,400
del	HAB	H 1588	3	80,874,201	80,881,601	7,400
del	HAB	H 1589	3	81,055,201	81,063,201	8,000
del	HAB	H 1590	3	81,102,401	81,120,001	17,600
del	HAB	H 1591	3	81,165,201	81,171,801	6,600
del	LAB	L 1438	3	81,165,401	81,171,401	6,000
del	LAB	L 1439	3	82,087,401	82,092,601	5,200
del	HAB	H 1592	3	82,284,601	82,292,001	7,400
del	LAB	L 1440	3	82,284,801	82,292,001	7,200
del	HAB	H 1593	3	82,393,401	82,398,201	4,800
del	LAB	L 1441	3	82,393,401	82,398,201	4,800
del	HAB	H 1594	3	82,413,801	82,420,601	6,800
del	LAB	L 1442	3	82,414,001	82,420,401	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1595	3	82,776,201	82,783,801	7,600
del	LAB	L 1443	3	82,776,601	82,783,401	6,800
del	LAB	L 1444	3	83,134,201	83,145,601	11,400
del	HAB	H 1596	3	83,134,401	83,145,601	11,200
del	HAB	H 1597	3	83,946,201	83,953,601	7,400
del	LAB	L 1445	3	83,946,601	83,953,401	6,800
del	HAB	H 1598	3	84,163,001	84,170,201	7,200
del	LAB	L 1446	3	84,163,201	84,170,201	7,000
del	LAB	L 1447	3	85,109,201	85,111,801	2,600
del	HAB	H 1599	3	85,426,001	85,433,601	7,600
del	LAB	L 1448	3	85,426,401	85,433,201	6,800
del	LAB	L 1449	3	85,953,801	85,963,401	9,600
del	LAB	L 1450	3	86,133,601	86,140,201	6,600
del	LAB	L 1451	3	86,289,601	86,302,801	13,200
del	LAB	L 1452	3	86,746,201	86,750,801	4,600
del	LAB	L 1453	3	87,117,001	87,125,001	8,000
del	LAB	L 1454	3	87,273,801	87,278,801	5,000
del	LAB	L 1455	3	87,867,401	87,870,001	2,600
del	HAB	H 1600	3	88,174,201	88,189,401	15,200
del	LAB	L 1456	3	88,174,201	88,189,201	15,000
del	HAB	H 1601	3	88,618,801	88,626,401	7,600
del	LAB	L 1457	3	88,619,001	88,626,201	7,200
del	HAB	H 1602	3	90,566,001	90,573,201	7,200
del	LAB	L 1458	3	90,566,001	90,573,001	7,000
del	LAB	L 1459	3	90,586,001	90,598,001	12,000
del	HAB	H 1603	3	90,586,601	90,598,401	11,800
del	HAB	H 1604	3	90,696,001	90,712,801	16,800
del	LAB	L 1460	3	90,696,201	90,712,601	16,400
del	LAB	L 1461	3	90,724,801	90,739,201	14,400
del	HAB	H 1605	3	90,726,001	90,740,801	14,800
del	HAB	H 1606	3	90,768,801	90,774,801	6,000
del	LAB	L 1462	3	90,769,001	90,774,601	5,600
del	HAB	H 1607	3	90,794,801	90,806,001	11,200
del	HAB	H 1608	3	90,899,001	90,904,001	5,000
del	LAB	L 1463	3	90,899,201	90,904,001	4,800
del	HAB	H 1609	3	90,928,001	90,951,001	23,000
del	LAB	L 1464	3	90,928,001	90,949,601	21,600
del	HAB	H 1610	3	90,967,001	90,993,201	26,200
del	LAB	L 1465	3	90,973,401	90,992,001	18,600
del	HAB	H 1611	3	91,454,401	91,463,801	9,400
del	LAB	L 1466	3	91,454,401	91,464,001	9,600
del	LAB	L 1467	3	91,490,401	91,494,801	4,400
del	HAB	H 1612	3	91,512,001	91,527,601	15,600
del	LAB	L 1468	3	91,512,001	91,528,401	16,400
del	HAB	H 1613	3	91,561,801	91,570,401	8,600
del	LAB	L 1469	3	91,562,001	91,570,401	8,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1614	3	91,589,001	91,593,601	4,600
del	LAB	L 1470	3	91,684,401	91,704,001	19,600
del	HAB	H 1615	3	91,684,601	91,704,201	19,600
del	HAB	H 1616	3	91,831,601	91,835,601	4,000
del	LAB	L 1471	3	91,832,001	91,835,201	3,200
del	HAB	H 1617	3	91,989,201	91,996,401	7,200
del	LAB	L 1472	3	91,989,601	91,996,001	6,400
del	HAB	H 1618	3	92,350,801	92,358,601	7,800
del	LAB	L 1473	3	92,351,201	92,358,801	7,600
del	HAB	H 1619	3	93,007,601	93,023,401	15,800
del	LAB	L 1474	3	93,007,601	93,023,401	15,800
del	HAB	H 1620	3	93,084,401	93,096,601	12,200
del	LAB	L 1475	3	93,084,401	93,096,801	12,400
del	HAB	H 1621	3	93,127,601	93,135,401	7,800
del	LAB	L 1476	3	93,127,801	93,135,401	7,600
del	HAB	H 1622	3	93,261,801	93,265,201	3,400
del	LAB	L 1477	3	93,262,401	93,264,801	2,400
del	HAB	H 1623	3	93,418,001	93,424,601	6,600
del	LAB	L 1478	3	93,418,401	93,424,401	6,000
del	LAB	L 1479	3	93,498,201	93,505,801	7,600
del	HAB	H 1624	3	93,498,401	93,505,401	7,000
del	HAB	H 1625	3	93,516,001	93,525,601	9,600
del	HAB	H 1626	3	93,547,401	93,564,801	17,400
del	LAB	L 1480	3	93,547,801	93,564,401	16,600
del	HAB	H 1627	3	93,660,001	93,668,601	8,600
del	LAB	L 1481	3	93,660,001	93,668,401	8,400
del	HAB	H 1628	3	93,685,201	93,708,801	23,600
del	LAB	L 1482	3	93,686,001	93,708,401	22,400
del	HAB	H 1629	3	93,720,401	93,736,801	16,400
del	LAB	L 1483	3	93,730,401	93,736,601	6,200
del	HAB	H 1630	3	93,794,401	93,801,601	7,200
del	LAB	L 1484	3	93,794,601	93,801,401	6,800
del	HAB	H 1631	3	93,912,801	93,918,801	6,000
del	LAB	L 1485	3	93,913,201	93,918,801	5,600
del	HAB	H 1632	3	93,949,601	93,956,801	7,200
del	LAB	L 1486	3	93,950,001	93,962,401	12,400
del	HAB	H 1633	3	94,072,201	94,097,201	25,000
del	LAB	L 1487	3	94,072,401	94,096,601	24,200
del	HAB	H 1634	3	94,353,201	94,360,201	7,000
del	LAB	L 1488	3	94,353,401	94,360,401	7,000
del	LAB	L 1489	3	94,509,801	94,522,601	12,800
del	HAB	H 1635	3	95,199,801	95,205,401	5,600
del	HAB	H 1636	3	95,301,801	95,308,601	6,800
del	HAB	H 1637	3	96,004,201	96,010,601	6,400
del	LAB	L 1490	3	96,004,401	96,010,401	6,000
del	HAB	H 1638	3	96,074,201	96,077,401	3,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1491	3	96,074,201	96,077,201	3,000
del	HAB	H 1639	3	96,293,201	96,298,401	5,200
del	LAB	L 1492	3	96,293,401	96,298,201	4,800
del	HAB	H 1640	3	96,312,201	96,319,601	7,400
del	LAB	L 1493	3	96,312,401	96,319,401	7,000
del	HAB	H 1641	3	96,644,601	96,648,801	4,200
del	LAB	L 1494	3	96,644,601	96,649,001	4,400
del	HAB	H 1642	3	96,912,601	96,919,001	6,400
del	LAB	L 1495	3	96,912,601	96,918,201	5,600
del	HAB	H 1643	3	96,940,201	96,953,601	13,400
del	LAB	L 1496	3	96,947,401	96,953,601	6,200
del	HAB	H 1644	3	97,049,001	97,055,601	6,600
del	LAB	L 1497	3	97,049,001	97,055,401	6,400
del	HAB	H 1645	3	98,107,601	98,112,001	4,400
del	LAB	L 1498	3	98,107,801	98,111,801	4,000
del	HAB	H 1646	3	98,200,201	98,215,601	15,400
del	LAB	L 1499	3	98,200,401	98,215,201	14,800
del	HAB	H 1647	3	98,245,201	98,250,801	5,600
del	LAB	L 1500	3	98,245,601	98,250,801	5,200
del	HAB	H 1648	3	98,280,001	98,295,801	15,800
del	LAB	L 1501	3	98,280,001	98,295,601	15,600
del	HAB	H 1649	3	98,329,201	98,348,601	19,400
del	LAB	L 1502	3	98,329,201	98,348,601	19,400
del	LAB	L 1503	3	98,460,601	98,484,801	24,200
del	HAB	H 1650	3	98,461,201	98,485,001	23,800
del	HAB	H 1651	3	98,667,001	98,670,801	3,800
del	LAB	L 1504	3	98,667,601	98,670,601	3,000
del	HAB	H 1652	3	98,810,001	98,818,001	8,000
del	LAB	L 1505	3	98,810,001	98,817,801	7,800
del	HAB	H 1653	3	98,866,401	98,896,201	29,800
del	LAB	L 1506	3	98,873,401	98,896,401	23,000
del	LAB	L 1507	3	99,213,201	99,220,801	7,600
del	HAB	H 1654	3	99,214,201	99,221,001	6,800
del	LAB	L 1508	3	99,226,001	99,235,001	9,000
del	HAB	H 1655	3	99,226,201	99,235,801	9,600
del	LAB	L 1509	3	99,411,401	99,420,601	9,200
del	HAB	H 1656	3	99,412,001	99,420,601	8,600
del	HAB	H 1657	3	99,506,601	99,511,801	5,200
del	LAB	L 1510	3	99,507,001	99,511,601	4,600
del	HAB	H 1658	3	99,929,401	99,937,201	7,800
del	LAB	L 1511	3	99,929,601	99,937,201	7,600
del	HAB	H 1659	3	101,692,601	101,699,201	6,600
del	LAB	L 1512	3	101,692,601	101,698,801	6,200
del	HAB	H 1660	3	102,233,601	102,252,201	18,600
del	LAB	L 1513	3	102,233,801	102,252,801	19,000
del	HAB	H 1661	3	102,632,201	102,649,801	17,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1514	3	102,632,801	102,653,001	20,200
del	HAB	H 1662	3	102,787,401	102,794,201	6,800
del	LAB	L 1515	3	102,787,401	102,793,601	6,200
del	HAB	H 1663	3	103,395,401	103,398,601	3,200
del	HAB	H 1664	3	104,253,601	104,256,801	3,200
del	HAB	H 1665	3	104,387,401	104,399,401	12,000
del	HAB	H 1666	3	104,778,601	104,782,601	4,000
del	HAB	H 1667	3	105,144,401	105,149,801	5,400
del	LAB	L 1516	3	105,144,801	105,149,401	4,600
del	HAB	H 1668	3	105,868,601	105,883,601	15,000
del	HAB	H 1669	3	106,389,001	106,406,201	17,200
del	LAB	L 1517	3	106,389,601	106,403,001	13,400
del	HAB	H 1670	3	106,449,201	106,463,601	14,400
del	LAB	L 1518	3	106,449,801	106,458,601	8,800
del	LAB	L 1519	3	106,494,201	106,515,801	21,600
del	HAB	H 1671	3	106,495,601	106,515,201	19,600
del	HAB	H 1672	3	106,545,401	106,553,001	7,600
del	LAB	L 1520	3	106,546,001	106,553,201	7,200
del	HAB	H 1673	3	106,650,401	106,670,201	19,800
del	LAB	L 1521	3	106,652,601	106,672,601	20,000
del	LAB	L 1522	3	106,690,401	106,703,601	13,200
del	HAB	H 1674	3	106,691,201	106,703,801	12,600
del	HAB	H 1675	3	106,724,601	106,732,801	8,200
del	LAB	L 1523	3	106,725,001	106,733,001	8,000
del	HAB	H 1676	3	109,910,001	109,916,601	6,600
del	LAB	L 1524	3	109,910,401	109,916,201	5,800
del	HAB	H 1677	3	110,479,601	110,486,401	6,800
del	LAB	L 1525	3	110,480,001	110,486,201	6,200
del	LAB	L 1526	3	111,059,601	111,071,801	12,200
del	HAB	H 1678	3	111,060,201	111,071,801	11,600
del	HAB	H 1679	3	111,224,401	111,227,001	2,600
del	HAB	H 1680	3	111,321,801	111,327,001	5,200
del	LAB	L 1527	3	111,321,801	111,326,601	4,800
del	LAB	L 1528	3	111,368,401	111,383,001	14,600
del	HAB	H 1681	3	111,369,201	111,383,801	14,600
del	HAB	H 1682	3	111,401,001	111,408,201	7,200
del	LAB	L 1529	3	111,401,601	111,408,001	6,400
del	HAB	H 1683	3	111,596,801	111,605,601	8,800
del	LAB	L 1530	3	111,597,201	111,606,001	8,800
del	HAB	H 1684	3	111,638,601	111,643,001	4,400
del	LAB	L 1531	3	111,638,801	111,642,801	4,000
del	HAB	H 1685	3	111,867,401	111,877,201	9,800
del	LAB	L 1532	3	111,867,801	111,877,201	9,400
del	HAB	H 1686	3	111,959,401	111,961,601	2,200
del	HAB	H 1687	3	112,636,601	112,645,401	8,800
del	LAB	L 1533	3	112,637,001	112,645,801	8,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1688	3	112,893,801	112,900,201	6,400
del	LAB	L 1534	3	112,893,801	112,900,201	6,400
del	HAB	H 1689	3	113,412,401	113,421,201	8,800
del	LAB	L 1535	3	113,413,001	113,421,001	8,000
del	LAB	L 1536	3	113,535,801	113,556,001	20,200
del	HAB	H 1690	3	113,536,401	113,556,401	20,000
del	HAB	H 1691	3	113,567,201	113,572,001	4,800
del	HAB	H 1692	3	113,593,801	113,601,401	7,600
del	LAB	L 1537	3	113,594,201	113,601,601	7,400
del	HAB	H 1693	3	113,969,001	113,984,601	15,600
del	LAB	L 1538	3	113,969,001	113,985,801	16,800
del	HAB	H 1694	3	114,175,001	114,182,401	7,400
del	LAB	L 1539	3	114,175,001	114,182,401	7,400
del	HAB	H 1695	3	114,196,601	114,203,001	6,400
del	LAB	L 1540	3	114,255,601	114,261,801	6,200
del	HAB	H 1696	3	114,256,001	114,261,801	5,800
del	HAB	H 1697	3	114,290,801	114,302,601	11,800
del	LAB	L 1541	3	114,291,001	114,302,001	11,000
del	HAB	H 1698	3	114,359,801	114,382,401	22,600
del	LAB	L 1542	3	114,360,001	114,382,201	22,200
del	HAB	H 1699	3	114,566,001	114,570,401	4,400
del	LAB	L 1543	3	114,566,801	114,570,201	3,400
del	HAB	H 1700	3	114,723,201	114,730,001	6,800
del	LAB	L 1544	3	114,723,601	114,729,801	6,200
del	HAB	H 1701	3	114,989,001	114,995,401	6,400
del	LAB	L 1545	3	114,989,201	114,994,801	5,600
del	HAB	H 1702	3	115,071,001	115,074,601	3,600
del	HAB	H 1703	3	115,096,801	115,103,201	6,400
del	LAB	L 1546	3	115,130,001	115,139,401	9,400
del	HAB	H 1704	3	115,131,001	115,139,401	8,400
del	HAB	H 1705	3	115,612,201	115,626,001	13,800
del	LAB	L 1547	3	115,612,201	115,625,801	13,600
del	HAB	H 1706	3	116,463,401	116,468,601	5,200
del	LAB	L 1548	3	116,463,601	116,468,401	4,800
del	HAB	H 1707	3	116,520,601	116,526,601	6,000
del	LAB	L 1549	3	116,520,601	116,526,001	5,400
del	LAB	L 1550	3	116,715,401	116,721,201	5,800
del	HAB	H 1708	3	116,715,801	116,722,801	7,000
del	HAB	H 1709	3	116,733,001	116,739,601	6,600
del	LAB	L 1551	3	116,733,001	116,739,401	6,400
del	HAB	H 1710	3	116,870,201	116,875,401	5,200
del	HAB	H 1711	3	116,905,001	116,911,201	6,200
del	LAB	L 1552	3	116,905,201	116,911,001	5,800
del	HAB	H 1712	3	117,082,001	117,089,201	7,200
del	HAB	H 1713	3	117,704,601	117,711,401	6,800
del	LAB	L 1553	3	117,705,001	117,712,201	7,200



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1554	3	117,758,201	117,766,201	8,000
del	LAB	L 1555	3	117,807,601	117,813,801	6,200
del	HAB	H 1714	3	117,808,601	117,810,601	2,000
del	LAB	L 1556	3	118,061,401	118,064,001	2,600
del	LAB	L 1557	3	119,355,601	119,374,201	18,600
del	HAB	H 1715	3	119,363,601	119,374,001	10,400
del	HAB	H 1716	3	119,807,801	119,821,001	13,200
del	LAB	L 1558	3	119,807,801	119,821,401	13,600
del	HAB	H 1717	3	120,013,601	120,024,001	10,400
del	LAB	L 1559	3	120,014,201	120,023,801	9,600
del	HAB	H 1718	3	120,438,001	120,445,601	7,600
del	HAB	H 1719	3	120,528,001	120,535,801	7,800
del	HAB	H 1720	3	120,549,801	120,554,801	5,000
del	HAB	H 1721	3	120,624,401	120,631,401	7,000
del	HAB	H 1722	3	120,641,201	120,648,601	7,400
del	LAB	L 1560	3	120,641,401	120,648,201	6,800
del	LAB	L 1561	3	120,749,201	120,768,601	19,400
del	HAB	H 1723	3	120,750,201	120,768,001	17,800
del	HAB	H 1724	3	121,447,801	121,454,801	7,000
del	LAB	L 1562	3	121,448,201	121,454,401	6,200
del	HAB	H 1725	3	123,379,801	123,383,401	3,600
del	LAB	L 1563	3	123,380,401	123,383,401	3,000
del	LAB	L 1564	3	123,435,601	123,450,401	14,800
del	HAB	H 1726	3	123,435,801	123,450,201	14,400
del	HAB	H 1727	3	123,628,201	123,671,601	43,400
del	LAB	L 1565	3	123,629,601	123,663,201	33,600
del	HAB	H 1728	3	123,736,801	123,747,001	10,200
del	LAB	L 1566	3	123,737,001	123,747,601	10,600
del	LAB	L 1567	3	124,531,201	124,539,401	8,200
del	HAB	H 1729	3	124,531,401	124,539,201	7,800
del	LAB	L 1568	3	125,828,201	125,841,201	13,000
del	HAB	H 1730	3	125,830,201	125,839,201	9,000
del	LAB	L 1569	3	125,962,801	125,976,001	13,200
del	HAB	H 1731	3	125,963,001	125,976,001	13,000
del	HAB	H 1732	3	127,908,601	127,911,201	2,600
del	LAB	L 1570	3	127,908,601	127,911,201	2,600
del	HAB	H 1733	3	128,477,601	128,484,001	6,400
del	LAB	L 1571	3	128,477,801	128,484,001	6,200
del	HAB	H 1734	3	128,722,601	128,733,001	10,400
del	LAB	L 1572	3	128,722,801	128,732,801	10,000
del	HAB	H 1735	3	130,210,401	130,218,201	7,800
del	LAB	L 1573	3	130,210,401	130,217,801	7,400
del	HAB	H 1736	3	130,476,801	130,484,001	7,200
del	LAB	L 1574	3	130,477,201	130,483,601	6,400
del	HAB	H 1737	3	131,373,201	131,381,001	7,800
del	LAB	L 1575	3	131,373,401	131,381,201	7,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1738	3	131,591,001	131,598,201	7,200
del	LAB	L 1576	3	131,591,601	131,597,601	6,000
del	HAB	H 1739	3	131,608,001	131,615,001	7,000
del	LAB	L 1577	3	131,608,401	131,615,001	6,600
del	HAB	H 1740	3	133,293,401	133,301,001	7,600
del	LAB	L 1578	3	133,293,601	133,300,801	7,200
del	HAB	H 1741	3	133,459,201	133,469,201	10,000
del	LAB	L 1579	3	133,459,801	133,471,801	12,000
del	LAB	L 1580	3	133,504,401	133,524,601	20,200
del	HAB	H 1742	3	133,504,601	133,524,801	20,200
del	LAB	L 1581	3	133,610,401	133,616,001	5,600
del	HAB	H 1743	3	133,610,601	133,616,001	5,400
del	HAB	H 1744	3	134,107,601	134,121,201	13,600
del	LAB	L 1582	3	134,107,801	134,119,001	11,200
del	HAB	H 1745	3	134,196,401	134,223,601	27,200
del	LAB	L 1583	3	134,196,601	134,220,001	23,400
del	HAB	H 1746	3	134,352,801	134,361,601	8,800
del	LAB	L 1584	3	134,353,001	134,361,401	8,400
del	HAB	H 1747	3	134,475,801	134,486,801	11,000
del	LAB	L 1585	3	134,476,601	134,485,401	8,800
del	LAB	L 1586	3	135,465,201	135,469,801	4,600
del	HAB	H 1748	3	135,465,401	135,470,201	4,800
del	HAB	H 1749	3	135,640,601	135,644,401	3,800
del	HAB	H 1750	3	135,781,201	135,785,601	4,400
del	LAB	L 1587	3	135,781,601	135,785,601	4,000
del	HAB	H 1751	3	135,836,601	135,843,801	7,200
del	LAB	L 1588	3	135,836,801	135,844,001	7,200
del	LAB	L 1589	3	136,176,601	136,182,201	5,600
del	HAB	H 1752	3	136,176,801	136,182,201	5,400
del	HAB	H 1753	3	137,103,201	137,119,401	16,200
del	LAB	L 1590	3	137,103,201	137,119,401	16,200
del	HAB	H 1754	3	137,191,401	137,198,801	7,400
del	HAB	H 1755	3	137,263,401	137,270,001	6,600
del	LAB	L 1591	3	137,263,601	137,269,401	5,800
del	HAB	H 1756	3	137,324,001	137,340,801	16,800
del	LAB	L 1592	3	137,324,001	137,340,001	16,000
del	HAB	H 1757	3	137,381,801	137,385,801	4,000
del	LAB	L 1593	3	137,382,201	137,385,601	3,400
del	HAB	H 1758	3	137,762,201	137,764,801	2,600
del	HAB	H 1759	3	137,829,601	137,835,601	6,000
del	LAB	L 1594	3	137,829,601	137,835,201	5,600
del	HAB	H 1760	3	137,868,201	137,871,001	2,800
del	HAB	H 1761	3	137,930,001	137,931,601	1,600
del	LAB	L 1595	3	138,051,001	138,061,001	10,000
del	HAB	H 1762	3	138,052,801	138,061,001	8,200
del	HAB	H 1763	3	138,096,601	138,099,201	2,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1596	3	138,096,801	138,098,801	2,000
del	HAB	H 1764	3	138,346,001	138,349,201	3,200
del	LAB	L 1597	3	138,346,201	138,349,001	2,800
del	HAB	H 1765	3	139,027,801	139,039,601	11,800
del	LAB	L 1598	3	139,027,801	139,039,201	11,400
del	HAB	H 1766	3	139,222,801	139,235,201	12,400
del	LAB	L 1599	3	139,223,201	139,234,801	11,600
del	HAB	H 1767	3	139,367,401	139,370,401	3,000
del	LAB	L 1600	3	139,367,401	139,370,401	3,000
del	HAB	H 1768	3	139,682,801	139,690,201	7,400
del	LAB	L 1601	3	139,683,001	139,689,601	6,600
del	HAB	H 1769	3	139,782,801	139,788,401	5,600
del	LAB	L 1602	3	139,783,001	139,788,001	5,000
del	HAB	H 1770	3	139,819,401	139,826,601	7,200
del	LAB	L 1603	3	139,819,601	139,826,201	6,600
del	HAB	H 1771	3	140,040,001	140,048,601	8,600
del	LAB	L 1604	3	140,040,201	140,050,001	9,800
del	LAB	L 1605	3	140,388,201	140,394,801	6,600
del	HAB	H 1772	3	140,388,601	140,395,401	6,800
del	HAB	H 1773	3	140,718,201	140,727,601	9,400
del	LAB	L 1606	3	140,718,601	140,728,801	10,200
del	HAB	H 1774	3	140,812,801	140,816,001	3,200
del	LAB	L 1607	3	140,812,801	140,815,801	3,000
del	HAB	H 1775	3	141,266,401	141,273,601	7,200
del	LAB	L 1608	3	141,266,601	141,273,601	7,000
del	HAB	H 1776	3	141,422,801	141,429,801	7,000
del	LAB	L 1609	3	141,423,001	141,429,601	6,600
del	HAB	H 1777	3	141,666,001	141,673,001	7,000
del	LAB	L 1610	3	141,666,401	141,673,001	6,600
del	LAB	L 1611	3	142,619,201	142,622,401	3,200
del	HAB	H 1778	3	142,793,201	142,796,401	3,200
del	LAB	L 1612	3	142,793,601	142,795,601	2,000
del	LAB	L 1613	3	143,503,601	143,520,401	16,800
del	HAB	H 1779	3	143,510,001	143,514,401	4,400
del	LAB	L 1614	3	143,547,201	143,551,801	4,600
del	HAB	H 1780	3	144,434,001	144,443,401	9,400
del	LAB	L 1615	3	144,434,001	144,440,201	6,200
del	HAB	H 1781	3	147,019,201	147,026,601	7,400
del	LAB	L 1616	3	147,019,401	147,026,201	6,800
del	LAB	L 1617	3	147,218,601	147,225,401	6,800
del	HAB	H 1782	3	147,218,801	147,225,401	6,600
del	LAB	L 1618	3	147,435,601	147,442,601	7,000
del	HAB	H 1783	3	147,436,401	147,442,801	6,400
del	HAB	H 1784	3	147,836,201	147,840,601	4,400
del	LAB	L 1619	3	147,836,401	147,840,601	4,200
del	HAB	H 1785	3	147,981,001	147,983,801	2,800

type	mouse line	no.	chr	start	end	size
del	HAB	H 1786	3	148,372,401	148,379,801	7,400
del	LAB	L 1620	3	148,372,401	148,379,801	7,400
del	HAB	H 1787	3	148,413,001	148,420,401	7,400
del	LAB	L 1621	3	148,413,201	148,420,201	7,000
del	HAB	H 1788	3	148,997,001	149,000,401	3,400
del	LAB	L 1622	3	148,997,201	149,000,401	3,200
del	HAB	H 1789	3	149,370,801	149,374,201	3,400
del	LAB	L 1623	3	149,371,001	149,374,001	3,000
del	HAB	H 1790	3	150,000,001	150,004,401	4,400
del	LAB	L 1624	3	150,000,201	150,004,201	4,000
del	HAB	H 1791	3	150,896,401	150,899,801	3,400
del	LAB	L 1625	3	150,896,601	150,900,601	4,000
del	LAB	L 1626	3	151,288,001	151,296,401	8,400
del	HAB	H 1792	3	151,288,401	151,296,601	8,200
del	HAB	H 1793	3	151,340,601	151,347,201	6,600
del	LAB	L 1627	3	151,341,401	151,347,401	6,000
del	HAB	H 1794	3	151,617,401	151,626,601	9,200
del	LAB	L 1628	3	151,617,401	151,627,001	9,600
del	LAB	L 1629	3	154,810,401	154,819,601	9,200
del	HAB	H 1795	3	154,810,801	154,819,601	8,800
del	HAB	H 1796	3	155,840,801	155,846,201	5,400
del	HAB	H 1797	3	155,919,601	155,925,801	6,200
del	HAB	H 1798	3	155,972,401	155,979,401	7,000
del	LAB	L 1630	3	155,972,801	155,980,001	7,200
del	HAB	H 1799	3	156,100,801	156,107,601	6,800
del	LAB	L 1631	3	156,382,801	156,389,601	6,800
del	HAB	H 1800	3	156,383,001	156,395,001	12,000
del	HAB	H 1801	3	156,462,401	156,468,001	5,600
del	LAB	L 1632	3	156,462,601	156,467,401	4,800
del	HAB	H 1802	3	157,077,201	157,083,601	6,400
del	LAB	L 1633	3	157,079,001	157,083,601	4,600
del	LAB	L 1634	3	157,309,801	157,315,801	6,000
del	HAB	H 1803	3	157,332,401	157,341,201	8,800
del	LAB	L 1635	3	157,332,401	157,340,401	8,000
del	HAB	H 1804	3	157,781,001	157,786,801	5,800
del	LAB	L 1636	3	157,781,201	157,786,601	5,400
del	HAB	H 1805	3	158,098,601	158,116,801	18,200
del	LAB	L 1637	3	158,098,601	158,116,801	18,200
del	HAB	H 1806	3	158,285,601	158,298,001	12,400
del	LAB	L 1638	3	158,285,801	158,298,201	12,400
del	HAB	H 1807	3	158,380,201	158,394,601	14,400
del	LAB	L 1639	3	158,388,201	158,394,201	6,000
del	HAB	H 1808	3	158,398,801	158,402,601	3,800
del	LAB	L 1640	3	158,399,001	158,402,401	3,400
del	HAB	H 1809	3	158,538,001	158,544,001	6,000
del	LAB	L 1641	3	158,538,201	158,543,801	5,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1642	3	158,823,001	158,842,201	19,200
del	HAB	H 1810	3	158,824,201	158,841,601	17,400
del	HAB	H 1811	3	158,888,401	158,897,001	8,600
del	LAB	L 1643	3	158,888,801	158,897,801	9,000
del	HAB	H 1812	3	158,901,601	158,907,401	5,800
del	LAB	L 1644	3	158,902,201	158,907,201	5,000
del	HAB	H 1813	3	158,948,201	158,960,601	12,400
del	LAB	L 1645	3	158,948,401	158,960,601	12,200
del	HAB	H 1814	3	159,106,801	159,114,401	7,600
del	LAB	L 1646	3	159,107,001	159,113,201	6,200
del	HAB	H 1815	3	159,219,401	159,236,801	17,400
del	LAB	L 1647	3	159,219,401	159,235,001	15,600
del	LAB	L 1648	3	159,355,201	159,365,001	9,800
del	HAB	H 1816	3	159,355,601	159,364,801	9,200
del	HAB	H 1817	3	159,422,601	159,437,601	15,000
del	LAB	L 1649	3	159,423,401	159,437,401	14,000
del	HAB	H 1818	4	3,007,601	3,012,801	5,200
del	LAB	L 1650	4	3,008,001	3,012,801	4,800
del	HAB	H 1819	4	3,035,801	3,046,801	11,000
del	LAB	L 1651	4	3,036,001	3,046,401	10,400
del	HAB	H 1820	4	3,106,601	3,109,601	3,000
del	LAB	L 1652	4	3,106,601	3,109,201	2,600
del	LAB	L 1653	4	3,233,401	3,246,001	12,600
del	HAB	H 1821	4	3,239,001	3,252,601	13,600
del	HAB	H 1822	4	3,301,001	3,307,001	6,000
del	HAB	H 1823	4	3,467,801	3,474,401	6,600
del	LAB	L 1654	4	3,468,001	3,473,401	5,400
del	HAB	H 1824	4	4,013,401	4,028,401	15,000
del	LAB	L 1655	4	4,013,801	4,028,401	14,600
del	LAB	L 1656	4	4,080,201	4,097,801	17,600
del	HAB	H 1825	4	4,080,801	4,097,801	17,000
del	HAB	H 1826	4	4,193,801	4,207,401	13,600
del	LAB	L 1657	4	4,193,801	4,207,801	14,000
del	HAB	H 1827	4	4,816,801	4,823,201	6,400
del	HAB	H 1828	4	5,293,601	5,301,401	7,800
del	LAB	L 1658	4	5,293,801	5,301,801	8,000
del	LAB	L 1659	4	5,845,801	5,861,801	16,000
del	HAB	H 1829	4	5,846,201	5,862,401	16,200
del	HAB	H 1830	4	6,071,001	6,098,401	27,400
del	LAB	L 1660	4	6,071,401	6,098,601	27,200
del	HAB	H 1831	4	7,044,201	7,050,401	6,200
del	LAB	L 1661	4	7,044,801	7,050,401	5,600
del	HAB	H 1832	4	7,200,401	7,209,601	9,200
del	LAB	L 1662	4	7,201,001	7,210,401	9,400
del	HAB	H 1833	4	7,392,401	7,405,201	12,800
del	LAB	L 1663	4	7,392,401	7,405,201	12,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1664	4	7,550,201	7,566,801	16,600
del	HAB	H 1834	4	7,550,401	7,567,001	16,600
del	HAB	H 1835	4	7,629,801	7,636,201	6,400
del	LAB	L 1665	4	7,630,201	7,634,601	4,400
del	HAB	H 1836	4	7,667,601	7,673,201	5,600
del	LAB	L 1666	4	7,667,801	7,673,401	5,600
del	HAB	H 1837	4	7,757,601	7,765,001	7,400
del	LAB	L 1667	4	7,757,801	7,764,801	7,000
del	HAB	H 1838	4	7,801,801	7,817,001	15,200
del	LAB	L 1668	4	7,802,201	7,817,001	14,800
del	HAB	H 1839	4	8,119,001	8,125,201	6,200
del	LAB	L 1669	4	8,119,001	8,125,001	6,000
del	LAB	L 1670	4	8,225,401	8,233,201	7,800
del	HAB	H 1840	4	8,313,001	8,327,601	14,600
del	LAB	L 1671	4	8,313,201	8,327,601	14,400
del	HAB	H 1841	4	8,332,801	8,336,201	3,400
del	HAB	H 1842	4	8,366,001	8,377,401	11,400
del	LAB	L 1672	4	8,366,401	8,377,401	11,000
del	HAB	H 1843	4	8,401,801	8,421,801	20,000
del	LAB	L 1673	4	8,401,801	8,421,601	19,800
del	HAB	H 1844	4	8,581,801	8,588,601	6,800
del	LAB	L 1674	4	8,582,001	8,588,401	6,400
del	LAB	L 1675	4	9,643,401	9,662,001	18,600
del	HAB	H 1845	4	9,643,801	9,662,401	18,600
del	HAB	H 1846	4	9,932,001	9,951,001	19,000
del	LAB	L 1676	4	9,936,401	9,951,201	14,800
del	HAB	H 1847	4	10,023,601	10,039,001	15,400
del	LAB	L 1677	4	10,023,601	10,038,401	14,800
del	LAB	L 1678	4	10,105,801	10,111,801	6,000
del	HAB	H 1848	4	10,106,001	10,112,001	6,000
del	LAB	L 1679	4	10,374,601	10,381,401	6,800
del	HAB	H 1849	4	10,375,001	10,381,401	6,400
del	HAB	H 1850	4	10,406,401	10,426,201	19,800
del	LAB	L 1680	4	10,406,401	10,427,201	20,800
del	HAB	H 1851	4	10,507,801	10,518,401	10,600
del	HAB	H 1852	4	10,792,401	10,799,201	6,800
del	LAB	L 1681	4	10,792,601	10,798,601	6,000
del	HAB	H 1853	4	12,246,801	12,253,601	6,800
del	LAB	L 1682	4	12,247,201	12,253,601	6,400
del	HAB	H 1854	4	12,321,401	12,331,201	9,800
del	LAB	L 1683	4	12,321,401	12,330,601	9,200
del	HAB	H 1855	4	12,358,201	12,377,001	18,800
del	LAB	L 1684	4	12,358,401	12,376,801	18,400
del	HAB	H 1856	4	12,393,201	12,401,401	8,200
del	LAB	L 1685	4	12,393,601	12,401,201	7,600
del	HAB	H 1857	4	12,630,201	12,644,801	14,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1686	4	12,631,001	12,645,201	14,200
del	HAB	H 1858	4	12,757,601	12,777,801	20,200
del	LAB	L 1687	4	12,760,201	12,777,401	17,200
del	HAB	H 1859	4	12,880,601	12,886,801	6,200
del	LAB	L 1688	4	12,880,801	12,886,601	5,800
del	HAB	H 1860	4	12,940,601	12,945,801	5,200
del	LAB	L 1689	4	12,941,201	12,945,201	4,000
del	LAB	L 1690	4	12,966,801	12,981,601	14,800
del	HAB	H 1861	4	12,967,401	12,981,401	14,000
del	HAB	H 1862	4	13,045,601	13,052,601	7,000
del	LAB	L 1691	4	13,046,001	13,052,401	6,400
del	HAB	H 1863	4	13,348,201	13,359,801	11,600
del	LAB	L 1692	4	13,348,201	13,359,601	11,400
del	LAB	L 1693	4	13,856,201	13,866,601	10,400
del	HAB	H 1864	4	13,856,401	13,866,801	10,400
del	HAB	H 1865	4	13,969,001	13,976,401	7,400
del	LAB	L 1694	4	14,054,201	14,059,401	5,200
del	HAB	H 1866	4	14,054,401	14,059,801	5,400
del	HAB	H 1867	4	14,236,201	14,247,601	11,400
del	LAB	L 1695	4	14,236,401	14,247,001	10,600
del	HAB	H 1868	4	14,553,401	14,569,601	16,200
del	HAB	H 1869	4	14,603,401	14,614,401	11,000
del	LAB	L 1696	4	14,604,001	14,614,401	10,400
del	LAB	L 1697	4	14,657,401	14,663,401	6,000
del	HAB	H 1870	4	14,658,601	14,663,401	4,800
del	LAB	L 1698	4	14,936,401	14,942,001	5,600
del	HAB	H 1871	4	14,936,601	14,942,801	6,200
del	LAB	L 1699	4	15,785,401	15,792,801	7,400
del	HAB	H 1872	4	15,785,801	15,792,201	6,400
del	LAB	L 1700	4	16,109,801	16,117,601	7,800
del	HAB	H 1873	4	16,110,001	16,117,601	7,600
del	HAB	H 1874	4	16,254,201	16,270,001	15,800
del	LAB	L 1701	4	16,254,201	16,270,201	16,000
del	HAB	H 1875	4	16,288,601	16,292,601	4,000
del	LAB	L 1702	4	16,289,001	16,297,001	8,000
del	HAB	H 1876	4	16,471,201	16,479,601	8,400
del	LAB	L 1703	4	16,471,201	16,479,201	8,000
del	HAB	H 1877	4	16,602,401	16,614,801	12,400
del	LAB	L 1704	4	16,602,601	16,614,201	11,600
del	HAB	H 1878	4	16,699,401	16,715,001	15,600
del	LAB	L 1705	4	16,700,001	16,714,801	14,800
del	HAB	H 1879	4	16,764,401	16,770,001	5,600
del	LAB	L 1706	4	16,764,601	16,770,801	6,200
del	LAB	L 1707	4	17,095,601	17,106,801	11,200
del	HAB	H 1880	4	17,095,801	17,107,001	11,200
del	HAB	H 1881	4	17,331,601	17,347,801	16,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1708	4	17,331,801	17,348,001	16,200
del	HAB	H 1882	4	17,370,001	17,388,801	18,800
del	LAB	L 1709	4	17,370,001	17,390,401	20,400
del	HAB	H 1883	4	17,498,201	17,505,201	7,000
del	LAB	L 1710	4	17,498,201	17,505,001	6,800
del	HAB	H 1884	4	17,948,801	17,955,401	6,600
del	LAB	L 1711	4	17,949,001	17,955,201	6,200
del	HAB	H 1885	4	18,146,001	18,155,001	9,000
del	LAB	L 1712	4	18,146,001	18,154,801	8,800
del	HAB	H 1886	4	18,306,001	18,312,601	6,600
del	LAB	L 1713	4	18,306,401	18,312,401	6,000
del	HAB	H 1887	4	18,349,001	18,360,601	11,600
del	LAB	L 1714	4	18,349,201	18,360,201	11,000
del	HAB	H 1888	4	18,420,001	18,426,801	6,800
del	LAB	L 1715	4	18,444,601	18,449,201	4,600
del	HAB	H 1889	4	18,445,401	18,449,201	3,800
del	HAB	H 1890	4	18,534,001	18,541,001	7,000
del	LAB	L 1716	4	18,534,001	18,540,801	6,800
del	HAB	H 1891	4	18,632,001	18,651,001	19,000
del	LAB	L 1717	4	18,633,001	18,651,601	18,600
del	LAB	L 1718	4	18,985,601	19,003,001	17,400
del	HAB	H 1892	4	18,985,801	19,003,401	17,600
del	LAB	L 1719	4	19,112,201	19,127,401	15,200
del	HAB	H 1893	4	19,113,001	19,127,801	14,800
del	HAB	H 1894	4	19,312,401	19,319,801	7,400
del	LAB	L 1720	4	19,312,401	19,319,001	6,600
del	HAB	H 1895	4	19,676,601	19,704,401	27,800
del	LAB	L 1721	4	19,676,601	19,703,601	27,000
del	HAB	H 1896	4	20,094,801	20,106,601	11,800
del	LAB	L 1722	4	20,094,801	20,107,801	13,000
del	HAB	H 1897	4	20,216,201	20,225,401	9,200
del	LAB	L 1723	4	20,216,201	20,225,601	9,400
del	HAB	H 1898	4	20,281,401	20,288,401	7,000
del	HAB	H 1899	4	20,336,401	20,340,001	3,600
del	HAB	H 1900	4	20,347,401	20,355,001	7,600
del	HAB	H 1901	4	20,425,201	20,432,401	7,200
del	LAB	L 1724	4	20,425,601	20,431,801	6,200
del	HAB	H 1902	4	20,726,001	20,736,201	10,200
del	LAB	L 1725	4	20,726,001	20,736,201	10,200
del	HAB	H 1903	4	20,843,201	20,851,201	8,000
del	HAB	H 1904	4	20,865,601	20,872,601	7,000
del	LAB	L 1726	4	20,865,801	20,872,201	6,400
del	HAB	H 1905	4	21,000,601	21,008,601	8,000
del	LAB	L 1727	4	21,001,201	21,008,201	7,000
del	HAB	H 1906	4	21,056,001	21,059,201	3,200
del	LAB	L 1728	4	21,107,201	21,115,801	8,600



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1907	4	21,107,401	21,116,401	9,000
del	HAB	H 1908	4	21,205,001	21,219,601	14,600
del	LAB	L 1729	4	21,205,801	21,218,801	13,000
del	HAB	H 1909	4	21,292,801	21,314,601	21,800
del	LAB	L 1730	4	21,297,801	21,314,601	16,800
del	HAB	H 1910	4	21,351,201	21,357,601	6,400
del	LAB	L 1731	4	21,351,201	21,357,801	6,600
del	HAB	H 1911	4	21,396,401	21,417,401	21,000
del	LAB	L 1732	4	21,396,801	21,417,401	20,600
del	HAB	H 1912	4	21,435,801	21,447,401	11,600
del	LAB	L 1733	4	21,436,201	21,446,801	10,600
del	HAB	H 1913	4	21,572,201	21,584,801	12,600
del	LAB	L 1734	4	21,572,601	21,584,601	12,000
del	LAB	L 1735	4	22,464,801	22,473,201	8,400
del	HAB	H 1914	4	22,465,401	22,473,201	7,800
del	LAB	L 1736	4	22,516,801	22,527,401	10,600
del	HAB	H 1915	4	22,517,001	22,527,201	10,200
del	HAB	H 1916	4	22,687,401	22,694,601	7,200
del	LAB	L 1737	4	22,687,401	22,694,601	7,200
del	HAB	H 1917	4	22,778,601	22,788,001	9,400
del	LAB	L 1738	4	22,779,001	22,788,001	9,000
del	HAB	H 1918	4	23,002,001	23,011,801	9,800
del	LAB	L 1739	4	23,002,601	23,011,401	8,800
del	HAB	H 1919	4	23,028,401	23,034,601	6,200
del	LAB	L 1740	4	23,028,601	23,034,601	6,000
del	HAB	H 1920	4	23,127,601	23,142,801	15,200
del	LAB	L 1741	4	23,128,001	23,143,401	15,400
del	HAB	H 1921	4	23,303,401	23,310,801	7,400
del	LAB	L 1742	4	23,303,601	23,310,801	7,200
del	HAB	H 1922	4	24,037,401	24,051,401	14,000
del	LAB	L 1743	4	24,037,601	24,051,601	14,000
del	HAB	H 1923	4	24,120,601	24,134,201	13,600
del	LAB	L 1744	4	24,120,601	24,134,001	13,400
del	HAB	H 1924	4	24,204,401	24,235,001	30,600
del	LAB	L 1745	4	24,212,001	24,235,201	23,200
del	HAB	H 1925	4	24,386,201	24,407,001	20,800
del	LAB	L 1746	4	24,386,801	24,406,401	19,600
del	HAB	H 1926	4	24,699,801	24,708,601	8,800
del	LAB	L 1747	4	24,700,001	24,708,601	8,600
del	LAB	L 1748	4	25,043,201	25,061,201	18,000
del	HAB	H 1927	4	25,043,601	25,061,401	17,800
del	HAB	H 1928	4	25,214,201	25,227,601	13,400
del	LAB	L 1749	4	25,214,401	25,227,401	13,000
del	HAB	H 1929	4	25,301,801	25,307,601	5,800
del	LAB	L 1750	4	25,301,801	25,305,601	3,800
del	HAB	H 1930	4	25,487,201	25,512,001	24,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1751	4	25,487,201	25,512,001	24,800
del	LAB	L 1752	4	25,765,601	25,776,001	10,400
del	LAB	L 1753	4	25,974,401	25,990,801	16,400
del	HAB	H 1931	4	25,975,601	25,990,201	14,600
del	HAB	H 1932	4	26,019,601	26,023,001	3,400
del	LAB	L 1754	4	26,020,401	26,023,201	2,800
del	HAB	H 1933	4	26,070,201	26,074,401	4,200
del	LAB	L 1755	4	26,070,601	26,074,601	4,000
del	LAB	L 1756	4	26,105,801	26,124,801	19,000
del	HAB	H 1934	4	26,106,001	26,124,801	18,800
del	HAB	H 1935	4	26,480,201	26,489,801	9,600
del	LAB	L 1757	4	26,480,401	26,489,201	8,800
del	HAB	H 1936	4	26,494,401	26,502,401	8,000
del	LAB	L 1758	4	26,495,801	26,502,201	6,400
del	HAB	H 1937	4	26,582,401	26,591,201	8,800
del	LAB	L 1759	4	26,582,401	26,591,001	8,600
del	LAB	L 1760	4	27,066,601	27,083,801	17,200
del	HAB	H 1938	4	27,069,201	27,083,401	14,200
del	HAB	H 1939	4	27,510,001	27,514,601	4,600
del	LAB	L 1761	4	27,510,201	27,514,601	4,400
del	LAB	L 1762	4	27,782,001	27,792,401	10,400
del	HAB	H 1940	4	27,786,801	27,792,801	6,000
del	HAB	H 1941	4	27,926,201	27,932,401	6,200
del	LAB	L 1763	4	27,926,201	27,933,201	7,000
del	LAB	L 1764	4	28,387,001	28,391,601	4,600
del	HAB	H 1942	4	28,542,401	28,559,201	16,800
del	LAB	L 1765	4	28,542,801	28,559,001	16,200
del	HAB	H 1943	4	28,590,401	28,599,401	9,000
del	LAB	L 1766	4	28,590,601	28,598,601	8,000
del	HAB	H 1944	4	28,670,001	28,677,801	7,800
del	LAB	L 1767	4	28,670,001	28,678,001	8,000
del	HAB	H 1945	4	29,163,601	29,178,601	15,000
del	LAB	L 1768	4	29,163,601	29,178,401	14,800
del	HAB	H 1946	4	29,632,401	29,642,201	9,800
del	HAB	H 1947	4	30,253,601	30,261,001	7,400
del	HAB	H 1948	4	30,282,601	30,305,201	22,600
del	HAB	H 1949	4	30,498,601	30,510,401	11,800
del	LAB	L 1769	4	30,498,801	30,510,601	11,800
del	HAB	H 1950	4	30,548,601	30,572,601	24,000
del	LAB	L 1770	4	30,548,601	30,571,801	23,200
del	HAB	H 1951	4	30,830,601	30,837,001	6,400
del	HAB	H 1952	4	30,850,801	30,857,601	6,800
del	HAB	H 1953	4	31,053,201	31,059,801	6,600
del	LAB	L 1771	4	32,033,801	32,040,401	6,600
del	HAB	H 1954	4	32,034,801	32,040,401	5,600
del	HAB	H 1955	4	32,116,601	32,124,001	7,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1772	4	32,116,801	32,123,601	6,800
del	HAB	H 1956	4	32,132,001	32,136,401	4,400
del	LAB	L 1773	4	32,133,601	32,136,201	2,600
del	HAB	H 1957	4	32,877,601	32,884,801	7,200
del	LAB	L 1774	4	32,877,601	32,884,601	7,000
del	HAB	H 1958	4	34,449,601	34,453,001	3,400
del	LAB	L 1775	4	34,449,601	34,453,201	3,600
del	LAB	L 1776	4	35,477,401	35,483,201	5,800
del	HAB	H 1959	4	35,477,801	35,483,201	5,400
del	HAB	H 1960	4	35,567,201	35,574,801	7,600
del	LAB	L 1777	4	35,567,601	35,574,401	6,800
del	LAB	L 1778	4	35,603,201	35,609,801	6,600
del	HAB	H 1961	4	35,603,601	35,610,201	6,600
del	HAB	H 1962	4	35,860,001	35,865,801	5,800
del	LAB	L 1779	4	35,860,201	35,865,001	4,800
del	HAB	H 1963	4	36,223,001	36,226,601	3,600
del	LAB	L 1780	4	36,223,001	36,227,801	4,800
del	HAB	H 1964	4	37,293,401	37,307,801	14,400
del	LAB	L 1781	4	37,293,601	37,307,001	13,400
del	LAB	L 1782	4	37,527,801	37,559,601	31,800
del	HAB	H 1965	4	37,532,401	37,559,801	27,400
del	LAB	L 1783	4	37,859,401	37,865,201	5,800
del	HAB	H 1966	4	37,859,801	37,865,401	5,600
del	LAB	L 1784	4	37,990,201	38,010,401	20,200
del	HAB	H 1967	4	37,994,001	38,010,401	16,400
del	HAB	H 1968	4	38,179,001	38,190,801	11,800
del	HAB	H 1969	4	38,256,201	38,269,401	13,200
del	LAB	L 1785	4	38,256,201	38,269,001	12,800
del	HAB	H 1970	4	38,349,001	38,355,601	6,600
del	LAB	L 1786	4	38,349,201	38,355,201	6,000
del	LAB	L 1787	4	38,527,001	38,533,001	6,000
del	HAB	H 1971	4	38,811,601	38,824,601	13,000
del	LAB	L 1788	4	38,811,801	38,824,201	12,400
del	HAB	H 1972	4	38,852,601	38,863,001	10,400
del	LAB	L 1789	4	38,853,001	38,863,001	10,000
del	HAB	H 1973	4	38,989,401	38,998,001	8,600
del	LAB	L 1790	4	38,989,401	38,997,201	7,800
del	HAB	H 1974	4	39,074,201	39,087,401	13,200
del	LAB	L 1791	4	39,074,401	39,087,601	13,200
del	LAB	L 1792	4	39,170,001	39,184,801	14,800
del	HAB	H 1975	4	39,170,401	39,184,601	14,200
del	HAB	H 1976	4	39,594,401	39,600,801	6,400
del	LAB	L 1793	4	39,594,801	39,600,601	5,800
del	HAB	H 1977	4	39,701,601	39,708,401	6,800
del	LAB	L 1794	4	39,702,001	39,707,801	5,800
del	LAB	L 1795	4	39,799,201	39,805,401	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 1978	4	39,799,401	39,805,801	6,400
del	HAB	H 1979	4	39,830,401	39,839,601	9,200
del	LAB	L 1796	4	39,830,401	39,836,601	6,200
del	HAB	H 1980	4	39,899,601	39,910,401	10,800
del	LAB	L 1797	4	39,900,001	39,909,601	9,600
del	LAB	L 1798	4	40,385,601	40,388,601	3,000
del	HAB	H 1981	4	40,385,801	40,388,601	2,800
del	HAB	H 1982	4	40,539,201	40,560,201	21,000
del	LAB	L 1799	4	40,539,201	40,556,201	17,000
del	HAB	H 1983	4	41,402,001	41,407,201	5,200
del	LAB	L 1800	4	41,402,001	41,407,001	5,000
del	HAB	H 1984	4	41,755,401	41,766,001	10,600
del	LAB	L 1801	4	41,755,601	41,766,001	10,400
del	HAB	H 1985	4	41,828,201	41,834,401	6,200
del	LAB	L 1802	4	41,828,201	41,834,401	6,200
del	HAB	H 1986	4	41,896,801	41,904,801	8,000
del	LAB	L 1803	4	41,897,001	41,904,601	7,600
del	HAB	H 1987	4	41,958,401	41,963,801	5,400
del	LAB	L 1804	4	41,958,401	41,963,401	5,000
del	HAB	H 1988	4	41,971,201	41,975,801	4,600
del	LAB	L 1805	4	41,971,201	41,976,001	4,800
del	HAB	H 1989	4	42,097,001	42,109,001	12,000
del	LAB	L 1806	4	42,097,001	42,109,001	12,000
del	HAB	H 1990	4	42,402,601	42,407,401	4,800
del	LAB	L 1807	4	42,402,601	42,407,201	4,600
del	HAB	H 1991	4	42,415,001	42,420,201	5,200
del	LAB	L 1808	4	42,415,201	42,420,001	4,800
del	HAB	H 1992	4	42,474,201	42,481,801	7,600
del	LAB	L 1809	4	42,474,601	42,481,601	7,000
del	HAB	H 1993	4	42,544,201	42,550,401	6,200
del	LAB	L 1810	4	42,544,201	42,550,401	6,200
del	HAB	H 1994	4	42,598,601	42,603,801	5,200
del	LAB	L 1811	4	42,598,801	42,603,401	4,600
del	HAB	H 1995	4	42,611,401	42,616,001	4,600
del	LAB	L 1812	4	42,611,601	42,616,001	4,400
del	HAB	H 1996	4	43,135,801	43,143,801	8,000
del	LAB	L 1813	4	43,136,001	43,142,601	6,600
del	HAB	H 1997	4	43,310,601	43,315,001	4,400
del	LAB	L 1814	4	43,310,801	43,314,801	4,000
del	LAB	L 1815	4	43,764,401	43,768,601	4,200
del	HAB	H 1998	4	43,821,401	43,831,801	10,400
del	LAB	L 1816	4	44,364,801	44,371,201	6,400
del	HAB	H 1999	4	45,677,601	45,684,801	7,200
del	HAB	H 2000	4	45,849,601	45,854,601	5,000
del	HAB	H 2001	4	46,253,201	46,265,601	12,400
del	LAB	L 1817	4	46,253,401	46,265,601	12,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2002	4	46,588,001	46,597,601	9,600
del	LAB	L 1818	4	47,562,601	47,567,601	5,000
del	HAB	H 2003	4	48,859,201	48,866,201	7,000
del	LAB	L 1819	4	48,859,601	48,866,401	6,800
del	HAB	H 2004	4	49,371,201	49,384,801	13,600
del	LAB	L 1820	4	49,377,801	49,384,601	6,800
del	HAB	H 2005	4	49,434,401	49,439,001	4,600
del	LAB	L 1821	4	49,434,801	49,439,001	4,200
del	LAB	L 1822	4	49,743,801	49,751,001	7,200
del	HAB	H 2006	4	49,744,001	49,751,401	7,400
del	LAB	L 1823	4	50,104,401	50,115,401	11,000
del	HAB	H 2007	4	50,105,001	50,115,401	10,400
del	HAB	H 2008	4	50,393,201	50,400,001	6,800
del	LAB	L 1824	4	50,393,401	50,399,601	6,200
del	HAB	H 2009	4	50,418,801	50,422,401	3,600
del	LAB	L 1825	4	50,419,001	50,422,001	3,000
del	HAB	H 2010	4	50,479,601	50,488,201	8,600
del	LAB	L 1826	4	50,481,401	50,489,401	8,000
del	HAB	H 2011	4	50,535,001	50,548,601	13,600
del	LAB	L 1827	4	50,535,001	50,548,601	13,600
del	LAB	L 1828	4	50,863,601	50,875,201	11,600
del	HAB	H 2012	4	50,865,401	50,875,401	10,000
del	HAB	H 2013	4	51,051,001	51,055,001	4,000
del	LAB	L 1829	4	51,051,001	51,055,001	4,000
del	HAB	H 2014	4	51,070,001	51,091,001	21,000
del	LAB	L 1830	4	51,070,201	51,090,601	20,400
del	HAB	H 2015	4	51,317,601	51,322,001	4,400
del	LAB	L 1831	4	51,318,001	51,321,201	3,200
del	LAB	L 1832	4	51,332,801	51,345,601	12,800
del	HAB	H 2016	4	51,333,201	51,345,801	12,600
del	HAB	H 2017	4	51,822,801	51,825,201	2,400
del	HAB	H 2018	4	51,880,401	51,892,801	12,400
del	HAB	H 2019	4	51,901,401	51,913,001	11,600
del	LAB	L 1833	4	51,907,401	51,912,801	5,400
del	LAB	L 1834	4	52,238,001	52,242,801	4,800
del	HAB	H 2020	4	52,238,601	52,243,001	4,400
del	HAB	H 2021	4	54,158,001	54,166,601	8,600
del	LAB	L 1835	4	54,158,001	54,166,601	8,600
del	HAB	H 2022	4	54,227,401	54,234,401	7,000
del	LAB	L 1836	4	54,227,601	54,234,001	6,400
del	HAB	H 2023	4	54,256,201	54,263,001	6,800
del	LAB	L 1837	4	54,256,201	54,263,001	6,800
del	HAB	H 2024	4	54,408,001	54,414,401	6,400
del	HAB	H 2025	4	54,454,201	54,465,201	11,000
del	LAB	L 1838	4	54,455,001	54,465,001	10,000
del	HAB	H 2026	4	54,497,201	54,504,001	6,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 1839	4	54,498,001	54,504,201	6,200
del	HAB	H 2027	4	54,639,401	54,646,001	6,600
del	LAB	L 1840	4	54,639,601	54,645,801	6,200
del	HAB	H 2028	4	54,668,001	54,675,201	7,200
del	LAB	L 1841	4	54,668,201	54,674,801	6,600
del	HAB	H 2029	4	54,682,801	54,690,201	7,400
del	LAB	L 1842	4	54,683,001	54,690,001	7,000
del	HAB	H 2030	4	54,708,601	54,715,001	6,400
del	LAB	L 1843	4	54,708,601	54,714,801	6,200
del	HAB	H 2031	4	55,321,801	55,329,401	7,600
del	LAB	L 1844	4	55,321,801	55,329,001	7,200
del	HAB	H 2032	4	55,431,001	55,436,401	5,400
del	LAB	L 1845	4	55,431,001	55,436,001	5,000
del	HAB	H 2033	4	55,496,001	55,499,001	3,000
del	LAB	L 1846	4	55,496,201	55,498,801	2,600
del	HAB	H 2034	4	55,868,001	55,879,801	11,800
del	LAB	L 1847	4	55,868,001	55,880,001	12,000
del	HAB	H 2035	4	57,883,201	57,890,401	7,200
del	LAB	L 1848	4	57,884,001	57,890,001	6,000
del	LAB	L 1849	4	58,025,201	58,032,201	7,000
del	LAB	L 1850	4	58,235,001	58,244,201	9,200
del	HAB	H 2036	4	58,766,001	58,774,601	8,600
del	HAB	H 2037	4	59,043,201	59,046,001	2,800
del	LAB	L 1851	4	59,043,401	59,045,801	2,400
del	LAB	L 1852	4	59,980,601	59,993,401	12,800
del	HAB	H 2038	4	59,980,801	59,993,601	12,800
del	HAB	H 2039	4	60,059,001	60,077,401	18,400
del	LAB	L 1853	4	60,059,401	60,068,601	9,200
del	HAB	H 2040	4	60,127,401	60,147,401	20,000
del	LAB	L 1854	4	60,127,601	60,134,601	7,000
del	HAB	H 2041	4	60,184,001	60,202,601	18,600
del	LAB	L 1855	4	60,192,001	60,202,601	10,600
del	LAB	L 1856	4	60,208,801	60,220,201	11,400
del	HAB	H 2042	4	60,209,801	60,233,601	23,800
del	HAB	H 2043	4	60,252,201	60,256,801	4,600
del	LAB	L 1857	4	60,252,601	60,259,601	7,000
del	HAB	H 2044	4	60,402,401	60,408,201	5,800
del	LAB	L 1858	4	60,402,601	60,407,801	5,200
del	HAB	H 2045	4	60,420,001	60,427,201	7,200
del	LAB	L 1859	4	60,420,001	60,427,001	7,000
del	HAB	H 2046	4	60,464,801	60,471,801	7,000
del	LAB	L 1860	4	60,465,201	60,471,601	6,400
del	HAB	H 2047	4	60,569,801	60,589,401	19,600
del	LAB	L 1861	4	60,570,201	60,580,801	10,600
del	HAB	H 2048	4	60,617,201	60,633,001	15,800
del	LAB	L 1862	4	60,620,801	60,636,801	16,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2049	4	60,650,401	60,672,601	22,200
del	LAB	L 1863	4	60,650,601	60,660,201	9,600
del	HAB	H 2050	4	60,712,601	60,723,601	11,000
del	LAB	L 1864	4	60,713,001	60,723,401	10,400
del	HAB	H 2051	4	60,840,001	60,852,001	12,000
del	HAB	H 2052	4	60,864,201	60,877,601	13,400
del	LAB	L 1865	4	60,864,401	60,874,401	10,000
del	HAB	H 2053	4	60,944,201	60,949,201	5,000
del	LAB	L 1866	4	60,944,401	60,949,201	4,800
del	HAB	H 2054	4	60,981,801	60,986,401	4,600
del	LAB	L 1867	4	60,982,201	60,986,201	4,000
del	HAB	H 2055	4	61,061,001	61,085,001	24,000
del	LAB	L 1868	4	61,062,001	61,085,001	23,000
del	HAB	H 2056	4	61,155,201	61,179,201	24,000
del	LAB	L 1869	4	61,155,601	61,163,801	8,200
del	HAB	H 2057	4	61,309,801	61,320,801	11,000
del	LAB	L 1870	4	61,310,201	61,315,401	5,200
del	HAB	H 2058	4	61,346,001	61,348,401	2,400
del	LAB	L 1871	4	61,346,001	61,347,801	1,800
del	HAB	H 2059	4	61,410,401	61,421,001	10,600
del	LAB	L 1872	4	61,410,801	61,418,201	7,400
del	HAB	H 2060	4	61,428,401	61,435,601	7,200
del	LAB	L 1873	4	61,428,401	61,435,601	7,200
del	HAB	H 2061	4	61,610,201	61,618,001	7,800
del	LAB	L 1874	4	61,610,601	61,617,401	6,800
del	LAB	L 1875	4	61,753,001	61,789,201	36,200
del	HAB	H 2062	4	61,784,601	61,789,401	4,800
del	LAB	L 1876	4	61,810,201	61,832,201	22,000
del	HAB	H 2063	4	61,814,801	61,831,601	16,800
del	HAB	H 2064	4	62,524,601	62,529,801	5,200
del	LAB	L 1877	4	62,525,001	62,529,801	4,800
del	HAB	H 2065	4	62,581,001	62,592,801	11,800
del	LAB	L 1878	4	62,585,601	62,592,801	7,200
del	LAB	L 1879	4	63,007,401	63,027,201	19,800
del	HAB	H 2066	4	63,008,001	63,025,801	17,800
del	LAB	L 1880	4	64,015,001	64,025,001	10,000
del	HAB	H 2067	4	64,015,601	64,024,601	9,000
del	LAB	L 1881	4	64,075,201	64,082,201	7,000
del	HAB	H 2068	4	64,075,801	64,082,601	6,800
del	HAB	H 2069	4	65,651,601	65,657,201	5,600
del	LAB	L 1882	4	65,651,801	65,657,001	5,200
del	HAB	H 2070	4	66,152,601	66,167,601	15,000
del	LAB	L 1883	4	66,152,601	66,167,601	15,000
del	HAB	H 2071	4	66,979,401	66,986,401	7,000
del	LAB	L 1884	4	66,980,801	66,985,801	5,000
del	HAB	H 2072	4	67,023,001	67,028,801	5,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2073	4	67,600,801	67,604,601	3,800
del	HAB	H 2074	4	68,825,601	68,841,801	16,200
del	LAB	L 1885	4	68,826,001	68,841,401	15,400
del	HAB	H 2075	4	68,873,601	68,900,201	26,600
del	LAB	L 1886	4	68,874,001	68,900,001	26,000
del	HAB	H 2076	4	69,025,601	69,034,201	8,600
del	LAB	L 1887	4	69,026,201	69,034,201	8,000
del	HAB	H 2077	4	69,073,201	69,087,801	14,600
del	LAB	L 1888	4	69,073,201	69,087,801	14,600
del	HAB	H 2078	4	69,175,801	69,180,601	4,800
del	LAB	L 1889	4	69,176,001	69,180,201	4,200
del	HAB	H 2079	4	69,222,401	69,225,401	3,000
del	HAB	H 2080	4	69,445,801	69,460,001	14,200
del	LAB	L 1890	4	69,445,801	69,459,401	13,600
del	HAB	H 2081	4	69,734,601	69,741,601	7,000
del	LAB	L 1891	4	69,734,801	69,741,401	6,600
del	LAB	L 1892	4	70,248,401	70,254,401	6,000
del	HAB	H 2082	4	70,249,401	70,254,201	4,800
del	HAB	H 2083	4	70,530,401	70,537,001	6,600
del	LAB	L 1893	4	70,530,601	70,537,201	6,600
del	HAB	H 2084	4	70,655,401	70,669,401	14,000
del	LAB	L 1894	4	70,655,801	70,668,801	13,000
del	LAB	L 1895	4	70,799,401	70,807,201	7,800
del	HAB	H 2085	4	70,799,801	70,807,201	7,400
del	HAB	H 2086	4	71,248,601	71,253,001	4,400
del	HAB	H 2087	4	71,443,801	71,456,601	12,800
del	LAB	L 1896	4	71,444,001	71,453,201	9,200
del	HAB	H 2088	4	71,482,201	71,492,001	9,800
del	LAB	L 1897	4	71,482,201	71,491,801	9,600
del	LAB	L 1898	4	71,517,401	71,524,401	7,000
del	HAB	H 2089	4	71,518,801	71,525,201	6,400
del	HAB	H 2090	4	71,626,201	71,641,801	15,600
del	LAB	L 1899	4	71,717,601	71,719,601	2,000
del	LAB	L 1900	4	71,734,801	71,742,001	7,200
del	LAB	L 1901	4	72,337,601	72,345,201	7,600
del	HAB	H 2091	4	72,337,801	72,345,001	7,200
del	LAB	L 1902	4	72,611,601	72,626,601	15,000
del	HAB	H 2092	4	72,611,801	72,626,401	14,600
del	HAB	H 2093	4	72,847,801	72,868,201	20,400
del	LAB	L 1903	4	72,847,801	72,868,401	20,600
del	HAB	H 2094	4	72,899,601	72,905,401	5,800
del	LAB	L 1904	4	72,899,601	72,907,801	8,200
del	HAB	H 2095	4	72,955,801	72,979,001	23,200
del	LAB	L 1905	4	72,955,801	72,970,201	14,400
del	LAB	L 1906	4	73,218,601	73,233,201	14,600
del	HAB	H 2096	4	73,226,601	73,233,401	6,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2097	4	73,336,401	73,341,801	5,400
del	LAB	L 1907	4	73,337,201	73,341,401	4,200
del	HAB	H 2098	4	73,489,401	73,512,601	23,200
del	LAB	L 1908	4	73,489,801	73,513,201	23,400
del	HAB	H 2099	4	73,573,601	73,582,001	8,400
del	LAB	L 1909	4	73,573,801	73,582,001	8,200
del	LAB	L 1910	4	73,695,001	73,706,201	11,200
del	HAB	H 2100	4	74,085,201	74,092,201	7,000
del	LAB	L 1911	4	74,086,801	74,091,201	4,400
del	HAB	H 2101	4	74,175,601	74,186,601	11,000
del	LAB	L 1912	4	74,283,401	74,311,601	28,200
del	HAB	H 2102	4	74,285,601	74,312,001	26,400
del	LAB	L 1913	4	74,316,601	74,322,201	5,600
del	HAB	H 2103	4	74,317,401	74,322,401	5,000
del	HAB	H 2104	4	74,359,801	74,367,401	7,600
del	LAB	L 1914	4	74,360,201	74,368,001	7,800
del	HAB	H 2105	4	74,504,601	74,521,601	17,000
del	LAB	L 1915	4	74,504,601	74,521,201	16,600
del	HAB	H 2106	4	74,573,201	74,592,001	18,800
del	LAB	L 1916	4	74,573,201	74,591,801	18,600
del	HAB	H 2107	4	74,599,201	74,612,001	12,800
del	LAB	L 1917	4	74,603,401	74,612,001	8,600
del	LAB	L 1918	4	74,744,801	74,754,601	9,800
del	LAB	L 1919	4	74,777,201	74,783,801	6,600
del	LAB	L 1920	4	74,949,401	74,956,001	6,600
del	LAB	L 1921	4	75,126,201	75,160,601	34,400
del	HAB	H 2108	4	75,126,401	75,159,001	32,600
del	LAB	L 1922	4	77,220,801	77,243,201	22,400
del	LAB	L 1923	4	77,619,001	77,628,601	9,600
del	HAB	H 2109	4	77,766,201	77,783,601	17,400
del	LAB	L 1924	4	77,767,201	77,783,601	16,400
del	LAB	L 1925	4	78,158,201	78,163,001	4,800
del	HAB	H 2110	4	78,182,201	78,195,601	13,400
del	HAB	H 2111	4	78,372,001	78,382,601	10,600
del	HAB	H 2112	4	78,945,201	78,951,001	5,800
del	LAB	L 1926	4	78,945,401	78,950,801	5,400
del	LAB	L 1927	4	79,115,201	79,121,401	6,200
del	HAB	H 2113	4	79,155,401	79,162,001	6,600
del	LAB	L 1928	4	79,155,801	79,161,801	6,000
del	LAB	L 1929	4	79,420,601	79,424,801	4,200
del	HAB	H 2114	4	79,873,401	79,886,601	13,200
del	HAB	H 2115	4	79,905,401	79,908,601	3,200
del	LAB	L 1930	4	79,905,601	79,908,201	2,600
del	HAB	H 2116	4	80,449,201	80,469,201	20,000
del	LAB	L 1931	4	80,449,201	80,468,801	19,600
del	LAB	L 1932	4	81,046,401	81,056,201	9,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2117	4	81,046,801	81,056,401	9,600
del	HAB	H 2118	4	81,445,201	81,457,201	12,000
del	LAB	L 1933	4	81,451,201	81,457,401	6,200
del	HAB	H 2119	4	81,513,801	81,534,601	20,800
del	LAB	L 1934	4	81,514,001	81,533,601	19,600
del	LAB	L 1935	4	81,652,801	81,663,001	10,200
del	HAB	H 2120	4	81,653,001	81,663,201	10,200
del	HAB	H 2121	4	81,832,801	81,839,801	7,000
del	LAB	L 1936	4	82,423,801	82,430,801	7,000
del	HAB	H 2122	4	82,424,201	82,431,201	7,000
del	HAB	H 2123	4	82,775,401	82,786,801	11,400
del	LAB	L 1937	4	82,775,401	82,785,401	10,000
del	HAB	H 2124	4	83,395,801	83,402,401	6,600
del	LAB	L 1938	4	83,396,201	83,402,001	5,800
del	HAB	H 2125	4	85,057,001	85,061,801	4,800
del	LAB	L 1939	4	85,057,001	85,062,001	5,000
del	HAB	H 2126	4	85,117,801	85,129,601	11,800
del	LAB	L 1940	4	85,118,201	85,129,401	11,200
del	HAB	H 2127	4	86,104,401	86,114,601	10,200
del	LAB	L 1941	4	86,104,601	86,114,001	9,400
del	LAB	L 1942	4	86,898,601	86,906,001	7,400
del	HAB	H 2128	4	86,953,401	86,963,601	10,200
del	LAB	L 1943	4	86,953,401	86,963,201	9,800
del	HAB	H 2129	4	87,260,801	87,274,801	14,000
del	LAB	L 1944	4	87,261,201	87,274,601	13,400
del	HAB	H 2130	4	88,214,801	88,231,001	16,200
del	LAB	L 1945	4	88,215,401	88,231,001	15,600
del	LAB	L 1946	4	88,305,001	88,320,601	15,600
del	HAB	H 2131	4	88,305,401	88,320,801	15,400
del	HAB	H 2132	4	88,400,601	88,452,801	52,200
del	LAB	L 1947	4	88,401,001	88,452,801	51,800
del	HAB	H 2133	4	88,863,001	88,882,001	19,000
del	LAB	L 1948	4	88,863,201	88,874,801	11,600
del	LAB	L 1949	4	89,075,001	89,085,001	10,000
del	HAB	H 2134	4	89,075,401	89,085,201	9,800
del	HAB	H 2135	4	89,206,601	89,211,601	5,000
del	LAB	L 1950	4	89,206,801	89,211,401	4,600
del	HAB	H 2136	4	89,278,401	89,285,801	7,400
del	LAB	L 1951	4	89,278,801	89,285,401	6,600
del	HAB	H 2137	4	89,387,001	89,395,201	8,200
del	LAB	L 1952	4	89,387,801	89,395,201	7,400
del	HAB	H 2138	4	89,432,401	89,435,801	3,400
del	LAB	L 1953	4	89,432,601	89,435,601	3,000
del	HAB	H 2139	4	89,457,001	89,470,601	13,600
del	LAB	L 1954	4	89,457,201	89,472,601	15,400
del	HAB	H 2140	4	89,774,401	89,778,801	4,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 1955	4	89,774,401	89,778,801	4,400
del	LAB	L 1956	4	90,320,001	90,329,801	9,800
del	HAB	H 2141	4	90,320,401	90,330,801	10,400
del	LAB	L 1957	4	90,640,801	90,665,201	24,400
del	HAB	H 2142	4	90,641,001	90,665,801	24,800
del	HAB	H 2143	4	91,154,201	91,160,601	6,400
del	LAB	L 1958	4	91,154,401	91,160,401	6,000
del	HAB	H 2144	4	91,321,001	91,328,801	7,800
del	LAB	L 1959	4	91,321,201	91,328,801	7,600
del	HAB	H 2145	4	91,501,401	91,507,401	6,000
del	LAB	L 1960	4	91,501,401	91,505,801	4,400
del	HAB	H 2146	4	91,676,601	91,681,001	4,400
del	LAB	L 1961	4	91,677,801	91,681,201	3,400
del	HAB	H 2147	4	92,071,401	92,081,801	10,400
del	LAB	L 1962	4	92,071,401	92,081,201	9,800
del	LAB	L 1963	4	92,173,601	92,180,801	7,200
del	HAB	H 2148	4	92,173,801	92,180,801	7,000
del	HAB	H 2149	4	92,368,201	92,370,801	2,600
del	HAB	H 2150	4	92,420,001	92,433,001	13,000
del	LAB	L 1964	4	92,420,001	92,433,001	13,000
del	HAB	H 2151	4	92,534,401	92,592,201	57,800
del	LAB	L 1965	4	92,538,001	92,591,201	53,200
del	HAB	H 2152	4	92,652,201	92,676,601	24,400
del	LAB	L 1966	4	92,652,601	92,676,401	23,800
del	LAB	L 1967	4	93,293,401	93,298,401	5,000
del	HAB	H 2153	4	93,365,201	93,372,601	7,400
del	LAB	L 1968	4	93,365,801	93,372,201	6,400
del	LAB	L 1969	4	93,443,401	93,449,001	5,600
del	HAB	H 2154	4	93,444,601	93,448,801	4,200
del	LAB	L 1970	4	93,569,401	93,572,601	3,200
del	LAB	L 1971	4	93,867,001	93,873,001	6,000
del	HAB	H 2155	4	93,867,201	93,872,801	5,600
del	LAB	L 1972	4	94,229,601	94,232,401	2,800
del	LAB	L 1973	4	94,366,201	94,373,401	7,200
del	HAB	H 2156	4	94,458,001	94,466,401	8,400
del	LAB	L 1974	4	94,458,001	94,466,201	8,200
del	HAB	H 2157	4	94,479,801	94,486,201	6,400
del	LAB	L 1975	4	94,480,201	94,486,001	5,800
del	HAB	H 2158	4	94,552,201	94,565,001	12,800
del	LAB	L 1976	4	94,552,201	94,564,801	12,600
del	LAB	L 1977	4	94,578,201	94,591,001	12,800
del	HAB	H 2159	4	94,578,601	94,591,001	12,400
del	HAB	H 2160	4	95,176,001	95,187,201	11,200
del	LAB	L 1978	4	95,176,001	95,187,201	11,200
del	HAB	H 2161	4	95,640,601	95,652,801	12,200
del	LAB	L 1979	4	95,640,601	95,653,001	12,400

type	mouse line	no.	chr	start	end	size
del	HAB	H 2162	4	95,873,801	95,879,201	5,400
del	LAB	L 1980	4	95,874,001	95,879,201	5,200
del	HAB	H 2163	4	95,962,201	95,975,001	12,800
del	LAB	L 1981	4	96,030,801	96,042,801	12,000
del	HAB	H 2164	4	96,031,201	96,042,801	11,600
del	HAB	H 2165	4	96,120,601	96,128,401	7,800
del	LAB	L 1982	4	96,121,001	96,130,001	9,000
del	HAB	H 2166	4	96,312,401	96,319,801	7,400
del	LAB	L 1983	4	96,312,601	96,319,801	7,200
del	HAB	H 2167	4	98,191,601	98,198,801	7,200
del	LAB	L 1984	4	98,191,801	98,198,401	6,600
del	HAB	H 2168	4	98,909,401	98,913,601	4,200
del	LAB	L 1985	4	98,909,401	98,913,201	3,800
del	LAB	L 1986	4	99,397,801	99,404,601	6,800
del	LAB	L 1987	4	99,686,601	99,690,801	4,200
del	HAB	H 2169	4	99,686,801	99,691,201	4,400
del	HAB	H 2170	4	100,280,001	100,286,601	6,600
del	LAB	L 1988	4	100,280,201	100,286,201	6,000
del	HAB	H 2171	4	100,322,601	100,331,001	8,400
del	LAB	L 1989	4	100,322,801	100,331,201	8,400
del	HAB	H 2172	4	100,605,601	100,610,401	4,800
del	LAB	L 1990	4	100,605,801	100,610,401	4,600
del	HAB	H 2173	4	100,681,601	100,688,601	7,000
del	LAB	L 1991	4	100,682,001	100,688,601	6,600
del	HAB	H 2174	4	100,796,401	100,802,001	5,600
del	LAB	L 1992	4	100,796,801	100,801,801	5,000
del	LAB	L 1993	4	101,426,401	101,432,401	6,000
del	LAB	L 1994	4	101,535,801	101,544,801	9,000
del	LAB	L 1995	4	101,587,801	101,611,201	23,400
del	HAB	H 2175	4	102,368,601	102,373,201	4,600
del	LAB	L 1996	4	102,369,001	102,373,001	4,000
del	LAB	L 1997	4	102,945,801	102,952,601	6,800
del	HAB	H 2176	4	103,265,801	103,280,801	15,000
del	LAB	L 1998	4	103,266,001	103,280,001	14,000
del	HAB	H 2177	4	103,762,201	103,769,201	7,000
del	LAB	L 1999	4	103,762,401	103,769,001	6,600
del	LAB	L 2000	4	103,935,801	103,942,001	6,200
del	HAB	H 2178	4	105,271,601	105,277,001	5,400
del	LAB	L 2001	4	105,271,801	105,277,801	6,000
del	HAB	H 2179	4	105,412,401	105,417,801	5,400
del	LAB	L 2002	4	105,412,601	105,417,801	5,200
del	HAB	H 2180	4	105,908,801	105,914,001	5,200
del	LAB	L 2003	4	105,909,001	105,914,001	5,000
del	HAB	H 2181	4	107,179,001	107,185,801	6,800
del	HAB	H 2182	4	107,317,801	107,321,601	3,800
del	HAB	H 2183	4	107,333,801	107,340,001	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2184	4	107,818,801	107,827,601	8,800
del	HAB	H 2185	4	108,372,801	108,380,601	7,800
del	LAB	L 2004	4	108,373,401	108,380,601	7,200
del	HAB	H 2186	4	109,020,601	109,027,201	6,600
del	HAB	H 2187	4	109,275,001	109,285,801	10,800
del	HAB	H 2188	4	109,988,001	109,994,601	6,600
del	HAB	H 2189	4	110,290,001	110,297,001	7,000
del	LAB	L 2005	4	110,290,001	110,297,201	7,200
del	HAB	H 2190	4	110,359,401	110,367,401	8,000
del	LAB	L 2006	4	110,912,001	110,920,801	8,800
del	HAB	H 2191	4	110,912,201	110,921,001	8,800
del	HAB	H 2192	4	110,940,801	110,946,801	6,000
del	HAB	H 2193	4	111,207,601	111,212,401	4,800
del	LAB	L 2007	4	111,207,801	111,212,201	4,400
del	HAB	H 2194	4	111,244,401	111,250,001	5,600
del	HAB	H 2195	4	111,506,001	111,511,601	5,600
del	HAB	H 2196	4	111,525,001	111,536,001	11,000
del	LAB	L 2008	4	111,525,001	111,530,001	5,000
del	HAB	H 2197	4	111,581,601	111,633,601	52,000
del	HAB	H 2198	4	111,705,401	111,713,201	7,800
del	HAB	H 2199	4	111,724,001	111,757,201	33,200
del	LAB	L 2009	4	111,735,401	111,742,201	6,800
del	HAB	H 2200	4	111,997,801	112,023,601	25,800
del	LAB	L 2010	4	112,012,001	112,020,801	8,800
del	HAB	H 2201	4	112,130,401	112,140,601	10,200
del	HAB	H 2202	4	112,191,401	112,202,201	10,800
del	LAB	L 2011	4	112,192,001	112,196,801	4,800
del	HAB	H 2203	4	112,217,601	112,233,401	15,800
del	LAB	L 2012	4	112,219,801	112,226,401	6,600
del	HAB	H 2204	4	112,304,601	112,310,201	5,600
del	LAB	L 2013	4	112,305,001	112,309,801	4,800
del	HAB	H 2205	4	112,362,201	112,367,401	5,200
del	HAB	H 2206	4	112,587,001	112,610,201	23,200
del	LAB	L 2014	4	112,596,201	112,602,601	6,400
del	HAB	H 2207	4	112,635,001	112,643,401	8,400
del	HAB	H 2208	4	112,683,601	112,711,201	27,600
del	LAB	L 2015	4	112,691,801	112,703,801	12,000
del	HAB	H 2209	4	112,739,801	112,756,601	16,800
del	HAB	H 2210	4	112,870,401	112,878,201	7,800
del	HAB	H 2211	4	113,013,401	113,026,401	13,000
del	HAB	H 2212	4	113,065,801	113,097,601	31,800
del	LAB	L 2016	4	113,072,401	113,096,601	24,200
del	LAB	L 2017	4	113,183,801	113,197,601	13,800
del	HAB	H 2213	4	113,251,601	113,288,001	36,400
del	HAB	H 2214	4	113,488,601	113,533,601	45,000
del	LAB	L 2018	4	113,507,201	113,513,201	6,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2019	4	113,518,801	113,528,401	9,600
del	HAB	H 2215	4	113,636,401	113,658,801	22,400
del	LAB	L 2020	4	113,641,401	113,657,001	15,600
del	HAB	H 2216	4	113,728,401	113,754,401	26,000
del	LAB	L 2021	4	113,731,401	113,752,601	21,200
del	HAB	H 2217	4	113,783,801	113,787,401	3,600
del	HAB	H 2218	4	113,843,801	113,860,601	16,800
del	HAB	H 2219	4	113,879,601	113,894,001	14,400
del	LAB	L 2022	4	113,880,801	113,893,401	12,600
del	HAB	H 2220	4	113,904,801	113,940,001	35,200
del	LAB	L 2023	4	113,921,801	113,939,801	18,000
del	HAB	H 2221	4	114,326,001	114,329,201	3,200
del	LAB	L 2024	4	114,326,201	114,329,001	2,800
del	HAB	H 2222	4	114,859,801	114,885,201	25,400
del	LAB	L 2025	4	114,862,001	114,885,001	23,000
del	HAB	H 2223	4	114,982,201	114,992,201	10,000
del	LAB	L 2026	4	114,982,201	114,992,401	10,200
del	LAB	L 2027	4	115,008,801	115,029,801	21,000
del	HAB	H 2224	4	115,009,001	115,030,001	21,000
del	HAB	H 2225	4	115,039,401	115,058,601	19,200
del	LAB	L 2028	4	115,039,601	115,058,601	19,000
del	HAB	H 2226	4	115,207,401	115,266,001	58,600
del	HAB	H 2227	4	115,275,801	115,280,601	4,800
del	LAB	L 2029	4	115,275,801	115,281,001	5,200
del	HAB	H 2228	4	115,338,601	115,365,001	26,400
del	LAB	L 2030	4	115,338,801	115,365,801	27,000
del	HAB	H 2229	4	115,386,801	115,396,001	9,200
del	LAB	L 2031	4	115,386,801	115,395,601	8,800
del	HAB	H 2230	4	116,215,001	116,221,601	6,600
del	LAB	L 2032	4	116,215,201	116,221,601	6,400
del	LAB	L 2033	4	116,590,801	116,595,001	4,200
del	LAB	L 2034	4	117,362,401	117,374,601	12,200
del	HAB	H 2231	4	117,856,201	117,863,401	7,200
del	LAB	L 2035	4	117,856,201	117,863,001	6,800
del	HAB	H 2232	4	118,163,601	118,170,201	6,600
del	LAB	L 2036	4	118,163,801	118,170,001	6,200
del	HAB	H 2233	4	118,275,201	118,277,401	2,200
del	LAB	L 2037	4	118,275,201	118,277,001	1,800
del	HAB	H 2234	4	118,346,201	118,350,601	4,400
del	LAB	L 2038	4	118,346,401	118,350,201	3,800
del	HAB	H 2235	4	119,316,601	119,325,201	8,600
del	HAB	H 2236	4	119,359,001	119,362,001	3,000
del	HAB	H 2237	4	119,781,801	119,785,401	3,600
del	HAB	H 2238	4	120,110,801	120,114,601	3,800
del	HAB	H 2239	4	120,608,601	120,616,001	7,400
del	LAB	L 2039	4	120,608,801	120,615,801	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2240	4	120,841,201	120,851,001	9,800
del	LAB	L 2040	4	120,841,201	120,850,601	9,400
del	HAB	H 2241	4	120,916,601	120,943,401	26,800
del	LAB	L 2041	4	120,916,801	120,942,201	25,400
del	HAB	H 2242	4	121,132,601	121,145,601	13,000
del	LAB	L 2042	4	121,133,401	121,145,801	12,400
del	LAB	L 2043	4	121,730,801	121,736,401	5,600
del	HAB	H 2243	4	121,731,001	121,736,601	5,600
del	LAB	L 2044	4	121,850,001	121,860,401	10,400
del	HAB	H 2244	4	121,850,201	121,860,401	10,200
del	HAB	H 2245	4	122,361,201	122,382,201	21,000
del	LAB	L 2045	4	122,361,401	122,370,801	9,400
del	HAB	H 2246	4	122,425,001	122,450,201	25,200
del	LAB	L 2046	4	122,425,001	122,450,601	25,600
del	HAB	H 2247	4	122,455,001	122,460,401	5,400
del	HAB	H 2248	4	124,030,401	124,035,801	5,400
del	LAB	L 2047	4	124,030,401	124,035,801	5,400
del	HAB	H 2249	4	125,043,801	125,046,601	2,800
del	LAB	L 2048	4	125,044,001	125,046,001	2,000
del	HAB	H 2250	4	126,055,201	126,059,001	3,800
del	LAB	L 2049	4	126,055,201	126,058,801	3,600
del	HAB	H 2251	4	126,685,401	126,693,001	7,600
del	LAB	L 2050	4	126,685,401	126,693,001	7,600
del	HAB	H 2252	4	128,029,201	128,034,001	4,800
del	LAB	L 2051	4	128,029,401	128,033,601	4,200
del	HAB	H 2253	4	128,109,801	128,117,001	7,200
del	LAB	L 2052	4	128,110,201	128,117,001	6,800
del	HAB	H 2254	4	129,880,001	129,884,801	4,800
del	HAB	H 2255	4	132,652,201	132,657,601	5,400
del	LAB	L 2053	4	132,652,201	132,657,601	5,400
del	HAB	H 2256	4	133,473,201	133,477,201	4,000
del	LAB	L 2054	4	133,473,201	133,479,801	6,600
del	HAB	H 2257	4	133,715,001	133,720,601	5,600
del	LAB	L 2055	4	133,715,401	133,720,401	5,000
del	HAB	H 2258	4	133,939,801	133,943,201	3,400
del	HAB	H 2259	4	135,011,801	135,019,001	7,200
del	LAB	L 2056	4	135,012,001	135,018,601	6,600
del	HAB	H 2260	4	135,852,601	135,857,201	4,600
del	LAB	L 2057	4	135,852,601	135,856,801	4,200
del	HAB	H 2261	4	137,525,401	137,539,001	13,600
del	LAB	L 2058	4	137,525,801	137,538,601	12,800
del	HAB	H 2262	4	139,508,801	139,514,201	5,400
del	HAB	H 2263	4	140,494,801	140,499,801	5,000
del	LAB	L 2059	4	140,495,001	140,499,401	4,400
del	HAB	H 2264	4	140,763,201	140,766,601	3,400
del	LAB	L 2060	4	140,763,401	140,766,401	3,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2265	4	142,146,001	142,149,601	3,600
del	LAB	L 2061	4	142,146,401	142,149,201	2,800
del	LAB	L 2062	4	143,063,001	143,071,601	8,600
del	HAB	H 2266	4	143,064,401	143,071,201	6,800
del	HAB	H 2267	4	143,110,801	143,123,801	13,000
del	LAB	L 2063	4	143,111,201	143,120,801	9,600
del	LAB	L 2064	4	143,165,801	143,180,801	15,000
del	HAB	H 2268	4	143,166,001	143,181,401	15,400
del	HAB	H 2269	4	143,212,001	143,225,001	13,000
del	LAB	L 2065	4	143,212,001	143,225,001	13,000
del	HAB	H 2270	4	143,234,201	143,242,201	8,000
del	LAB	L 2066	4	143,234,601	143,242,001	7,400
del	HAB	H 2271	4	143,344,001	143,347,001	3,000
del	HAB	H 2272	4	143,389,201	143,395,001	5,800
del	LAB	L 2067	4	143,389,201	143,395,401	6,200
del	HAB	H 2273	4	143,412,201	143,470,601	58,400
del	LAB	L 2068	4	143,412,601	143,424,201	11,600
del	LAB	L 2069	4	143,438,401	143,453,201	14,800
del	HAB	H 2274	4	143,520,401	143,535,401	15,000
del	LAB	L 2070	4	143,520,601	143,524,201	3,600
del	HAB	H 2275	4	143,565,201	143,578,801	13,600
del	LAB	L 2071	4	143,565,601	143,578,601	13,000
del	HAB	H 2276	4	143,595,801	143,607,001	11,200
del	LAB	L 2072	4	143,596,201	143,607,601	11,400
del	LAB	L 2073	4	143,634,801	143,674,401	39,600
del	HAB	H 2277	4	143,637,601	143,675,001	37,400
del	HAB	H 2278	4	143,682,601	143,724,601	42,000
del	LAB	L 2074	4	143,683,401	143,723,801	40,400
del	HAB	H 2279	4	143,761,801	143,770,601	8,800
del	LAB	L 2075	4	143,762,201	143,769,801	7,600
del	HAB	H 2280	4	143,818,801	143,825,601	6,800
del	LAB	L 2076	4	143,819,201	143,825,201	6,000
del	HAB	H 2281	4	143,854,001	143,858,801	4,800
del	HAB	H 2282	4	144,176,201	144,179,001	2,800
del	LAB	L 2077	4	144,176,401	144,178,401	2,000
del	HAB	H 2283	4	144,185,601	144,195,601	10,000
del	LAB	L 2078	4	144,185,801	144,195,801	10,000
del	HAB	H 2284	4	144,405,201	144,417,201	12,000
del	LAB	L 2079	4	144,405,601	144,417,201	11,600
del	HAB	H 2285	4	144,429,201	144,445,801	16,600
del	LAB	L 2080	4	144,430,001	144,434,801	4,800
del	LAB	L 2081	4	144,439,001	144,445,801	6,800
del	LAB	L 2082	4	144,979,601	144,991,401	11,800
del	HAB	H 2286	4	144,983,601	144,991,401	7,800
del	HAB	H 2287	4	145,000,601	145,035,001	34,400
del	LAB	L 2083	4	145,000,801	145,024,401	23,600



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2288	4	145,071,801	145,075,201	3,400
del	HAB	H 2289	4	145,158,401	145,164,801	6,400
del	LAB	L 2084	4	145,158,601	145,165,401	6,800
del	HAB	H 2290	4	145,341,201	145,352,201	11,000
del	LAB	L 2085	4	145,344,001	145,351,801	7,800
del	HAB	H 2291	4	145,461,401	145,479,201	17,800
del	HAB	H 2292	4	145,589,001	145,596,201	7,200
del	HAB	H 2293	4	145,699,401	145,710,001	10,600
del	HAB	H 2294	4	145,739,601	145,748,001	8,400
del	LAB	L 2086	4	145,872,801	145,878,201	5,400
del	HAB	H 2295	4	145,873,001	145,878,601	5,600
del	HAB	H 2296	4	146,149,201	146,155,001	5,800
del	LAB	L 2087	4	146,149,201	146,154,601	5,400
del	HAB	H 2297	4	146,418,401	146,424,001	5,600
del	LAB	L 2088	4	146,418,401	146,423,601	5,200
del	HAB	H 2298	4	146,576,601	146,583,801	7,200
del	LAB	L 2089	4	146,577,001	146,583,801	6,800
del	HAB	H 2299	4	146,679,601	146,697,801	18,200
del	LAB	L 2090	4	146,688,201	146,697,401	9,200
del	HAB	H 2300	4	146,808,201	146,818,601	10,400
del	LAB	L 2091	4	146,808,401	146,818,201	9,800
del	HAB	H 2301	4	146,860,001	146,968,201	108,200
del	LAB	L 2092	4	146,869,601	146,968,001	98,400
del	HAB	H 2302	4	147,097,001	147,104,401	7,400
del	LAB	L 2093	4	147,097,401	147,104,001	6,600
del	HAB	H 2303	4	147,110,001	147,122,601	12,600
del	HAB	H 2304	4	147,169,801	147,176,601	6,800
del	LAB	L 2094	4	147,170,201	147,176,601	6,400
del	HAB	H 2305	4	147,207,201	147,215,001	7,800
del	HAB	H 2306	4	148,808,001	148,813,401	5,400
del	LAB	L 2095	4	148,808,201	148,813,201	5,000
del	HAB	H 2307	4	154,215,001	154,226,601	11,600
del	LAB	L 2096	4	154,215,401	154,226,801	11,400
del	HAB	H 2308	4	155,285,601	155,303,201	17,600
del	LAB	L 2097	4	155,289,601	155,300,001	10,400
del	HAB	H 2309	4	155,514,201	155,527,001	12,800
del	LAB	L 2098	4	155,514,201	155,526,801	12,600
del	HAB	H 2310	5	3,180,001	3,190,801	10,800
del	LAB	L 2099	5	3,180,401	3,190,601	10,200
del	HAB	H 2311	5	3,981,401	3,989,601	8,200
del	LAB	L 2100	5	3,981,601	3,988,601	7,000
del	HAB	H 2312	5	4,168,201	4,180,601	12,400
del	LAB	L 2101	5	4,168,201	4,180,201	12,000
del	LAB	L 2102	5	4,449,201	4,463,601	14,400
del	HAB	H 2313	5	4,451,001	4,463,601	12,600
del	HAB	H 2314	5	4,509,601	4,518,601	9,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2103	5	4,510,401	4,518,601	8,200
del	LAB	L 2104	5	5,070,801	5,079,201	8,400
del	HAB	H 2315	5	5,071,201	5,079,601	8,400
del	HAB	H 2316	5	5,109,401	5,114,801	5,400
del	LAB	L 2105	5	5,109,601	5,114,201	4,600
del	HAB	H 2317	5	5,521,201	5,528,001	6,800
del	LAB	L 2106	5	6,210,201	6,231,201	21,000
del	HAB	H 2318	5	6,210,801	6,231,001	20,200
del	HAB	H 2319	5	6,561,401	6,569,001	7,600
del	LAB	L 2107	5	6,561,601	6,569,201	7,600
del	HAB	H 2320	5	6,591,001	6,593,801	2,800
del	LAB	L 2108	5	6,591,001	6,593,401	2,400
del	HAB	H 2321	5	6,684,601	6,689,001	4,400
del	HAB	H 2322	5	6,735,601	6,742,601	7,000
del	LAB	L 2109	5	6,736,201	6,742,401	6,200
del	LAB	L 2110	5	6,868,001	6,879,201	11,200
del	HAB	H 2323	5	6,868,201	6,873,801	5,600
del	HAB	H 2324	5	7,029,201	7,049,801	20,600
del	LAB	L 2111	5	7,029,401	7,049,401	20,000
del	HAB	H 2325	5	7,084,801	7,095,601	10,800
del	LAB	L 2112	5	7,085,001	7,094,601	9,600
del	HAB	H 2326	5	7,415,601	7,421,201	5,600
del	LAB	L 2113	5	7,415,801	7,421,401	5,600
del	LAB	L 2114	5	7,495,401	7,510,401	15,000
del	HAB	H 2327	5	7,495,801	7,511,001	15,200
del	HAB	H 2328	5	7,751,401	7,775,001	23,600
del	LAB	L 2115	5	7,770,601	7,774,401	3,800
del	LAB	L 2116	5	7,807,201	7,816,401	9,200
del	HAB	H 2329	5	7,807,601	7,816,401	8,800
del	HAB	H 2330	5	7,939,401	7,947,401	8,000
del	HAB	H 2331	5	8,192,001	8,204,201	12,200
del	LAB	L 2117	5	8,192,201	8,204,001	11,800
del	HAB	H 2332	5	8,261,201	8,284,201	23,000
del	LAB	L 2118	5	8,261,201	8,284,601	23,400
del	HAB	H 2333	5	8,379,001	8,388,201	9,200
del	HAB	H 2334	5	8,595,801	8,608,201	12,400
del	LAB	L 2119	5	8,596,201	8,608,201	12,000
del	HAB	H 2335	5	8,704,601	8,711,801	7,200
del	LAB	L 2120	5	8,756,601	8,764,601	8,000
del	HAB	H 2336	5	8,757,401	8,767,201	9,800
del	HAB	H 2337	5	9,278,601	9,287,601	9,000
del	LAB	L 2121	5	9,278,801	9,287,801	9,000
del	HAB	H 2338	5	9,304,001	9,311,001	7,000
del	HAB	H 2339	5	9,398,601	9,412,201	13,600
del	HAB	H 2340	5	9,601,201	9,613,201	12,000
del	LAB	L 2122	5	9,808,401	9,826,001	17,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2341	5	9,819,401	9,825,801	6,400
del	HAB	H 2342	5	9,925,401	9,935,801	10,400
del	LAB	L 2123	5	9,925,601	9,935,201	9,600
del	HAB	H 2343	5	10,070,601	10,078,001	7,400
del	HAB	H 2344	5	10,289,601	10,294,201	4,600
del	HAB	H 2345	5	10,357,201	10,372,001	14,800
del	LAB	L 2124	5	10,563,201	10,575,601	12,400
del	HAB	H 2346	5	10,565,001	10,575,801	10,800
del	HAB	H 2347	5	10,621,601	10,629,801	8,200
del	HAB	H 2348	5	10,700,601	10,703,401	2,800
del	LAB	L 2125	5	10,817,401	10,832,601	15,200
del	HAB	H 2349	5	10,817,601	10,831,801	14,200
del	LAB	L 2126	5	10,907,001	10,914,401	7,400
del	HAB	H 2350	5	10,907,201	10,917,201	10,000
del	HAB	H 2351	5	11,006,801	11,022,801	16,000
del	LAB	L 2127	5	11,006,801	11,018,601	11,800
del	HAB	H 2352	5	11,064,201	11,073,201	9,000
del	LAB	L 2128	5	11,064,201	11,071,001	6,800
del	HAB	H 2353	5	11,092,201	11,107,201	15,000
del	LAB	L 2129	5	11,092,401	11,106,401	14,000
del	HAB	H 2354	5	11,159,601	11,165,201	5,600
del	HAB	H 2355	5	11,305,801	11,317,201	11,400
del	HAB	H 2356	5	11,330,601	11,338,801	8,200
del	HAB	H 2357	5	11,457,401	11,468,801	11,400
del	HAB	H 2358	5	11,475,601	11,485,001	9,400
del	LAB	L 2130	5	11,475,601	11,485,201	9,600
del	LAB	L 2131	5	11,561,201	11,573,801	12,600
del	HAB	H 2359	5	11,561,801	11,577,601	15,800
del	HAB	H 2360	5	11,619,001	11,626,001	7,000
del	LAB	L 2132	5	11,619,201	11,631,001	11,800
del	LAB	L 2133	5	11,647,201	11,660,401	13,200
del	HAB	H 2361	5	11,647,601	11,664,001	16,400
del	HAB	H 2362	5	11,735,201	11,746,401	11,200
del	HAB	H 2363	5	11,759,801	11,767,601	7,800
del	LAB	L 2134	5	11,955,601	11,964,601	9,000
del	HAB	H 2364	5	11,957,801	11,965,201	7,400
del	HAB	H 2365	5	12,163,801	12,171,201	7,400
del	LAB	L 2135	5	12,249,601	12,254,001	4,400
del	HAB	H 2366	5	12,284,401	12,290,401	6,000
del	LAB	L 2136	5	12,284,601	12,290,401	5,800
del	HAB	H 2367	5	12,538,001	12,546,201	8,200
del	LAB	L 2137	5	12,538,201	12,545,801	7,600
del	HAB	H 2368	5	12,792,001	12,812,601	20,600
del	LAB	L 2138	5	12,792,201	12,803,401	11,200
del	HAB	H 2369	5	13,099,001	13,103,201	4,200
del	HAB	H 2370	5	13,675,801	13,679,801	4,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2371	5	13,723,801	13,730,601	6,800
del	LAB	L 2139	5	13,724,201	13,730,401	6,200
del	HAB	H 2372	5	13,856,601	13,872,001	15,400
del	LAB	L 2140	5	13,857,201	13,871,801	14,600
del	HAB	H 2373	5	13,884,001	13,887,001	3,000
del	LAB	L 2141	5	14,169,201	14,174,401	5,200
del	LAB	L 2142	5	14,272,801	14,281,201	8,400
del	HAB	H 2374	5	14,273,001	14,280,801	7,800
del	HAB	H 2375	5	14,293,401	14,304,401	11,000
del	LAB	L 2143	5	14,293,401	14,305,001	11,600
del	HAB	H 2376	5	14,873,201	14,910,401	37,200
del	LAB	L 2144	5	14,907,401	14,910,001	2,600
del	LAB	L 2145	5	14,929,801	14,933,401	3,600
del	HAB	H 2377	5	14,930,001	14,934,001	4,000
del	HAB	H 2378	5	14,942,801	14,950,401	7,600
del	HAB	H 2379	5	14,957,601	15,005,001	47,400
del	LAB	L 2146	5	14,957,801	14,972,801	15,000
del	LAB	L 2147	5	14,984,001	15,004,601	20,600
del	HAB	H 2380	5	15,011,401	15,020,201	8,800
del	LAB	L 2148	5	15,011,601	15,019,801	8,200
del	HAB	H 2381	5	15,026,401	15,029,201	2,800
del	HAB	H 2382	5	15,038,201	15,060,801	22,600
del	LAB	L 2149	5	15,041,801	15,050,801	9,000
del	LAB	L 2150	5	15,055,401	15,060,801	5,400
del	HAB	H 2383	5	15,129,801	15,132,001	2,200
del	LAB	L 2151	5	15,142,201	15,145,001	2,800
del	HAB	H 2384	5	15,142,401	15,145,401	3,000
del	HAB	H 2385	5	15,155,801	15,157,601	1,800
del	HAB	H 2386	5	15,171,001	15,195,001	24,000
del	LAB	L 2152	5	15,171,201	15,183,601	12,400
del	LAB	L 2153	5	15,188,201	15,194,801	6,600
del	HAB	H 2387	5	15,213,001	15,214,801	1,800
del	HAB	H 2388	5	16,249,601	16,257,001	7,400
del	LAB	L 2154	5	16,250,201	16,256,801	6,600
del	HAB	H 2389	5	16,406,801	16,429,001	22,200
del	LAB	L 2155	5	16,406,801	16,420,001	13,200
del	HAB	H 2390	5	16,541,801	16,550,201	8,400
del	LAB	L 2156	5	16,542,401	16,550,001	7,600
del	HAB	H 2391	5	16,881,601	16,887,401	5,800
del	LAB	L 2157	5	16,882,001	16,887,801	5,800
del	HAB	H 2392	5	17,300,601	17,306,801	6,200
del	LAB	L 2158	5	17,300,601	17,305,401	4,800
del	LAB	L 2159	5	18,239,201	18,245,801	6,600
del	HAB	H 2393	5	18,239,601	18,245,601	6,000
del	HAB	H 2394	5	18,336,401	18,342,401	6,000
del	HAB	H 2395	5	18,560,801	18,565,401	4,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2160	5	18,560,801	18,576,001	15,200
del	HAB	H 2396	5	20,842,401	20,849,801	7,400
del	LAB	L 2161	5	20,842,801	20,850,001	7,200
del	LAB	L 2162	5	21,712,801	21,719,201	6,400
del	HAB	H 2397	5	21,864,201	21,875,601	11,400
del	LAB	L 2163	5	21,864,401	21,875,401	11,000
del	LAB	L 2164	5	21,951,201	21,954,001	2,800
del	HAB	H 2398	5	21,997,601	22,003,401	5,800
del	LAB	L 2165	5	21,997,801	22,003,401	5,600
del	LAB	L 2166	5	22,099,201	22,107,001	7,800
del	HAB	H 2399	5	22,099,401	22,112,201	12,800
del	HAB	H 2400	5	22,188,601	22,195,801	7,200
del	LAB	L 2167	5	22,189,401	22,195,001	5,600
del	HAB	H 2401	5	22,202,201	22,220,801	18,600
del	LAB	L 2168	5	22,205,401	22,221,201	15,800
del	HAB	H 2402	5	22,530,601	22,537,601	7,000
del	LAB	L 2169	5	22,530,801	22,537,601	6,800
del	HAB	H 2403	5	22,690,601	22,694,401	3,800
del	LAB	L 2170	5	22,690,801	22,694,401	3,600
del	LAB	L 2171	5	22,821,001	22,829,801	8,800
del	HAB	H 2404	5	22,821,201	22,829,801	8,600
del	LAB	L 2172	5	22,871,001	22,876,201	5,200
del	HAB	H 2405	5	22,871,201	22,876,401	5,200
del	HAB	H 2406	5	23,075,601	23,079,801	4,200
del	LAB	L 2173	5	23,076,001	23,079,801	3,800
del	HAB	H 2407	5	23,231,201	23,237,001	5,800
del	HAB	H 2408	5	23,334,201	23,338,401	4,200
del	LAB	L 2174	5	23,334,401	23,338,201	3,800
del	HAB	H 2409	5	23,721,201	23,727,401	6,200
del	LAB	L 2175	5	23,721,201	23,727,401	6,200
del	HAB	H 2410	5	23,754,801	23,758,201	3,400
del	LAB	L 2176	5	23,754,801	23,758,201	3,400
del	HAB	H 2411	5	24,268,001	24,275,601	7,600
del	LAB	L 2177	5	24,268,001	24,275,601	7,600
del	HAB	H 2412	5	26,335,001	26,414,801	79,800
del	LAB	L 2178	5	26,338,601	26,412,401	73,800
del	HAB	H 2413	5	26,574,601	26,581,601	7,000
del	LAB	L 2179	5	26,574,601	26,581,801	7,200
del	LAB	L 2180	5	26,706,801	26,719,201	12,400
del	HAB	H 2414	5	26,707,001	26,719,001	12,000
del	LAB	L 2181	5	27,685,401	27,692,001	6,600
del	HAB	H 2415	5	27,966,801	27,972,801	6,000
del	LAB	L 2182	5	27,967,001	27,972,601	5,600
del	HAB	H 2416	5	28,761,401	28,774,201	12,800
del	LAB	L 2183	5	28,761,801	28,774,201	12,400
del	HAB	H 2417	5	28,811,001	28,818,801	7,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2184	5	28,811,601	28,818,401	6,800
del	HAB	H 2418	5	28,909,801	28,921,001	11,200
del	LAB	L 2185	5	28,909,801	28,920,601	10,800
del	HAB	H 2419	5	28,927,801	28,937,401	9,600
del	LAB	L 2186	5	28,928,401	28,937,001	8,600
del	HAB	H 2420	5	29,386,401	29,398,201	11,800
del	LAB	L 2187	5	29,386,801	29,399,201	12,400
del	LAB	L 2188	5	29,499,601	29,507,601	8,000
del	HAB	H 2421	5	29,499,801	29,507,401	7,600
del	LAB	L 2189	5	30,377,201	30,385,401	8,200
del	LAB	L 2190	5	30,551,601	30,554,801	3,200
del	LAB	L 2191	5	33,525,601	33,532,401	6,800
del	HAB	H 2422	5	33,526,601	33,531,201	4,600
del	HAB	H 2423	5	34,247,001	34,254,601	7,600
del	LAB	L 2192	5	34,247,001	34,254,601	7,600
del	LAB	L 2193	5	34,605,401	34,608,001	2,600
del	HAB	H 2424	5	34,605,601	34,608,201	2,600
del	HAB	H 2425	5	36,836,401	36,912,401	76,000
del	LAB	L 2194	5	36,836,601	36,912,401	75,800
del	HAB	H 2426	5	36,973,001	37,050,401	77,400
del	LAB	L 2195	5	36,973,201	37,050,201	77,000
del	HAB	H 2427	5	37,172,401	37,175,201	2,800
del	LAB	L 2196	5	40,459,801	40,473,001	13,200
del	HAB	H 2428	5	40,460,601	40,471,801	11,200
del	HAB	H 2429	5	40,924,401	40,936,601	12,200
del	LAB	L 2197	5	40,924,801	40,936,401	11,600
del	HAB	H 2430	5	41,184,001	41,192,801	8,800
del	LAB	L 2198	5	41,184,001	41,192,601	8,600
del	HAB	H 2431	5	41,408,201	41,413,201	5,000
del	LAB	L 2199	5	41,409,201	41,413,201	4,000
del	HAB	H 2432	5	41,786,401	41,793,601	7,200
del	LAB	L 2200	5	41,786,801	41,793,601	6,800
del	HAB	H 2433	5	41,863,201	41,869,401	6,200
del	LAB	L 2201	5	41,863,401	41,869,201	5,800
del	HAB	H 2434	5	41,875,201	41,887,801	12,600
del	LAB	L 2202	5	41,875,401	41,887,601	12,200
del	HAB	H 2435	5	41,973,601	41,983,601	10,000
del	LAB	L 2203	5	41,973,801	41,983,401	9,600
del	HAB	H 2436	5	42,390,401	42,407,801	17,400
del	LAB	L 2204	5	42,390,401	42,407,201	16,800
del	HAB	H 2437	5	42,420,801	42,432,601	11,800
del	LAB	L 2205	5	42,420,801	42,431,601	10,800
del	HAB	H 2438	5	42,480,201	42,486,401	6,200
del	HAB	H 2439	5	42,672,001	42,677,401	5,400
del	LAB	L 2206	5	42,672,201	42,677,001	4,800
del	LAB	L 2207	5	42,751,801	42,758,001	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2208	5	43,083,801	43,097,001	13,200
del	HAB	H 2440	5	43,084,801	43,096,601	11,800
del	LAB	L 2209	5	43,131,801	43,147,401	15,600
del	HAB	H 2441	5	43,139,601	43,147,001	7,400
del	HAB	H 2442	5	43,208,201	43,232,801	24,600
del	LAB	L 2210	5	43,208,201	43,236,201	28,000
del	LAB	L 2211	5	43,327,401	43,345,801	18,400
del	HAB	H 2443	5	43,337,601	43,345,601	8,000
del	HAB	H 2444	5	43,387,401	43,408,001	20,600
del	LAB	L 2212	5	43,387,601	43,405,401	17,800
del	HAB	H 2445	5	43,486,401	43,493,201	6,800
del	LAB	L 2213	5	43,486,401	43,493,201	6,800
del	HAB	H 2446	5	43,599,401	43,608,001	8,600
del	HAB	H 2447	5	43,736,201	43,740,801	4,600
del	LAB	L 2214	5	43,736,401	43,740,801	4,400
del	HAB	H 2448	5	43,817,401	43,824,401	7,000
del	LAB	L 2215	5	43,817,601	43,824,601	7,000
del	HAB	H 2449	5	44,220,001	44,227,401	7,400
del	LAB	L 2216	5	44,220,201	44,227,001	6,800
del	HAB	H 2450	5	44,525,801	44,534,401	8,600
del	LAB	L 2217	5	44,526,201	44,533,801	7,600
del	HAB	H 2451	5	44,703,601	44,707,801	4,200
del	LAB	L 2218	5	44,703,801	44,707,001	3,200
del	HAB	H 2452	5	45,786,201	45,806,401	20,200
del	LAB	L 2219	5	45,786,401	45,791,601	5,200
del	LAB	L 2220	5	45,799,401	45,806,401	7,000
del	HAB	H 2453	5	45,960,401	45,963,601	3,200
del	LAB	L 2221	5	45,960,601	45,963,401	2,800
del	HAB	H 2454	5	46,238,801	46,250,601	11,800
del	LAB	L 2222	5	46,239,001	46,250,201	11,200
del	LAB	L 2223	5	46,357,401	46,384,801	27,400
del	HAB	H 2455	5	46,357,601	46,384,401	26,800
del	HAB	H 2456	5	46,459,201	46,462,801	3,600
del	LAB	L 2224	5	46,459,201	46,462,801	3,600
del	HAB	H 2457	5	46,684,401	46,690,801	6,400
del	HAB	H 2458	5	47,089,601	47,093,401	3,800
del	HAB	H 2459	5	47,152,601	47,165,401	12,800
del	LAB	L 2225	5	47,152,601	47,160,601	8,000
del	HAB	H 2460	5	47,267,801	47,271,001	3,200
del	HAB	H 2461	5	47,331,601	47,339,201	7,600
del	LAB	L 2226	5	47,331,801	47,339,001	7,200
del	HAB	H 2462	5	47,533,001	47,555,401	22,400
del	LAB	L 2227	5	47,533,601	47,555,401	21,800
del	LAB	L 2228	5	47,672,601	47,679,401	6,800
del	HAB	H 2463	5	47,831,601	47,834,401	2,800
del	LAB	L 2229	5	47,831,601	47,833,801	2,200

type	mouse line	no.	chr	start	end	size
del	LAB	L 2230	5	48,269,201	48,276,401	7,200
del	HAB	H 2464	5	48,269,601	48,276,201	6,600
del	HAB	H 2465	5	48,357,001	48,362,801	5,800
del	LAB	L 2231	5	48,357,201	48,362,601	5,400
del	HAB	H 2466	5	48,915,401	48,920,601	5,200
del	LAB	L 2232	5	48,915,401	48,920,401	5,000
del	HAB	H 2467	5	49,029,001	49,036,001	7,000
del	LAB	L 2233	5	49,029,201	49,036,001	6,800
del	HAB	H 2468	5	49,060,801	49,065,801	5,000
del	LAB	L 2234	5	49,061,201	49,065,401	4,200
del	HAB	H 2469	5	49,929,001	49,936,201	7,200
del	LAB	L 2235	5	49,929,201	49,936,001	6,800
del	HAB	H 2470	5	50,058,001	50,065,401	7,400
del	LAB	L 2236	5	50,058,201	50,065,201	7,000
del	HAB	H 2471	5	50,088,601	50,093,601	5,000
del	LAB	L 2237	5	50,088,801	50,093,201	4,400
del	HAB	H 2472	5	50,113,001	50,121,201	8,200
del	LAB	L 2238	5	50,113,201	50,128,601	15,400
del	LAB	L 2239	5	50,134,601	50,146,801	12,200
del	HAB	H 2473	5	50,135,401	50,142,201	6,800
del	HAB	H 2474	5	50,322,001	50,328,001	6,000
del	LAB	L 2240	5	50,322,401	50,328,001	5,600
del	LAB	L 2241	5	50,493,201	50,507,801	14,600
del	HAB	H 2475	5	50,495,001	50,507,801	12,800
del	HAB	H 2476	5	50,639,201	50,662,401	23,200
del	LAB	L 2242	5	50,639,601	50,661,801	22,200
del	HAB	H 2477	5	50,703,201	50,710,801	7,600
del	LAB	L 2243	5	50,703,401	50,710,601	7,200
del	HAB	H 2478	5	50,970,801	50,974,801	4,000
del	HAB	H 2479	5	51,235,801	51,246,801	11,000
del	LAB	L 2244	5	51,236,401	51,246,801	10,400
del	LAB	L 2245	5	51,346,601	51,348,601	2,000
del	HAB	H 2480	5	51,346,801	51,349,001	2,200
del	HAB	H 2481	5	51,392,201	51,416,401	24,200
del	LAB	L 2246	5	51,392,401	51,416,401	24,000
del	LAB	L 2247	5	51,527,201	51,533,401	6,200
del	HAB	H 2482	5	51,527,401	51,533,401	6,000
del	HAB	H 2483	5	51,609,001	51,613,801	4,800
del	HAB	H 2484	5	51,629,201	51,632,201	3,000
del	LAB	L 2248	5	51,629,601	51,631,801	2,200
del	HAB	H 2485	5	51,763,201	51,773,601	10,400
del	LAB	L 2249	5	51,763,401	51,773,401	10,000
del	LAB	L 2250	5	52,364,601	52,372,801	8,200
del	HAB	H 2486	5	54,133,401	54,138,601	5,200
del	HAB	H 2487	5	54,367,601	54,370,001	2,400
del	LAB	L 2251	5	54,367,601	54,370,201	2,600



type	mouse line	no.	chr	start	end	size
del	HAB	H 2488	5	54,693,201	54,698,001	4,800
del	LAB	L 2252	5	54,693,601	54,697,801	4,200
del	HAB	H 2489	5	54,839,801	54,845,001	5,200
del	LAB	L 2253	5	54,840,201	54,844,401	4,200
del	HAB	H 2490	5	54,939,601	54,964,001	24,400
del	LAB	L 2254	5	54,939,801	54,962,001	22,200
del	HAB	H 2491	5	55,080,001	55,086,601	6,600
del	LAB	L 2255	5	55,080,201	55,090,401	10,200
del	HAB	H 2492	5	55,164,201	55,171,001	6,800
del	LAB	L 2256	5	55,164,801	55,171,001	6,200
del	HAB	H 2493	5	55,400,801	55,404,401	3,600
del	LAB	L 2257	5	55,401,401	55,404,601	3,200
del	HAB	H 2494	5	55,420,001	55,422,601	2,600
del	HAB	H 2495	5	55,593,201	55,600,401	7,200
del	LAB	L 2258	5	55,593,401	55,602,001	8,600
del	HAB	H 2496	5	56,036,801	56,058,801	22,000
del	LAB	L 2259	5	56,036,801	56,058,401	21,600
del	LAB	L 2260	5	56,112,001	56,117,401	5,400
del	HAB	H 2497	5	56,112,601	56,117,201	4,600
del	HAB	H 2498	5	56,124,201	56,143,601	19,400
del	LAB	L 2261	5	56,125,001	56,143,401	18,400
del	HAB	H 2499	5	56,228,401	56,235,601	7,200
del	LAB	L 2262	5	56,228,601	56,235,201	6,600
del	HAB	H 2500	5	56,339,801	56,344,001	4,200
del	HAB	H 2501	5	56,647,801	56,652,201	4,400
del	LAB	L 2263	5	56,648,001	56,652,201	4,200
del	LAB	L 2264	5	56,673,401	56,681,801	8,400
del	HAB	H 2502	5	56,862,601	56,872,801	10,200
del	LAB	L 2265	5	56,862,601	56,874,601	12,000
del	HAB	H 2503	5	56,884,201	56,891,001	6,800
del	LAB	L 2266	5	56,884,401	56,890,801	6,400
del	LAB	L 2267	5	57,229,201	57,243,001	13,800
del	HAB	H 2504	5	57,230,001	57,243,201	13,200
del	HAB	H 2505	5	57,813,601	57,830,201	16,600
del	LAB	L 2268	5	57,813,601	57,830,201	16,600
del	LAB	L 2269	5	57,878,401	57,889,601	11,200
del	HAB	H 2506	5	57,878,801	57,890,001	11,200
del	LAB	L 2270	5	57,941,401	57,948,201	6,800
del	HAB	H 2507	5	58,040,801	58,069,201	28,400
del	LAB	L 2271	5	58,040,801	58,069,601	28,800
del	HAB	H 2508	5	58,082,401	58,087,801	5,400
del	LAB	L 2272	5	58,082,601	58,087,401	4,800
del	HAB	H 2509	5	58,692,401	58,708,001	15,600
del	LAB	L 2273	5	58,692,801	58,707,601	14,800
del	HAB	H 2510	5	58,790,801	58,801,001	10,200
del	LAB	L 2274	5	58,790,801	58,801,201	10,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2275	5	58,883,001	58,888,801	5,800
del	HAB	H 2511	5	58,903,001	58,912,601	9,600
del	LAB	L 2276	5	58,903,601	58,912,201	8,600
del	HAB	H 2512	5	58,961,201	58,964,801	3,600
del	LAB	L 2277	5	58,961,201	58,964,601	3,400
del	HAB	H 2513	5	59,025,601	59,029,001	3,400
del	LAB	L 2278	5	59,025,601	59,028,801	3,200
del	HAB	H 2514	5	59,110,601	59,123,801	13,200
del	LAB	L 2279	5	59,111,401	59,124,001	12,600
del	HAB	H 2515	5	59,168,601	59,175,801	7,200
del	LAB	L 2280	5	59,169,001	59,175,801	6,800
del	HAB	H 2516	5	59,311,201	59,345,201	34,000
del	LAB	L 2281	5	59,311,401	59,345,401	34,000
del	HAB	H 2517	5	59,350,601	59,364,201	13,600
del	LAB	L 2282	5	59,350,601	59,363,801	13,200
del	HAB	H 2518	5	59,394,401	59,402,401	8,000
del	HAB	H 2519	5	59,510,401	59,518,201	7,800
del	LAB	L 2283	5	59,510,401	59,517,801	7,400
del	HAB	H 2520	5	59,572,401	59,577,201	4,800
del	LAB	L 2284	5	59,572,601	59,577,001	4,400
del	HAB	H 2521	5	59,644,801	59,655,401	10,600
del	LAB	L 2285	5	59,646,401	59,655,401	9,000
del	HAB	H 2522	5	59,701,601	59,708,401	6,800
del	LAB	L 2286	5	59,701,601	59,708,201	6,600
del	HAB	H 2523	5	59,728,001	59,738,001	10,000
del	LAB	L 2287	5	59,728,001	59,738,001	10,000
del	HAB	H 2524	5	59,831,001	59,835,801	4,800
del	LAB	L 2288	5	59,831,001	59,835,601	4,600
del	HAB	H 2525	5	60,031,201	60,041,801	10,600
del	LAB	L 2289	5	60,031,801	60,041,601	9,800
del	LAB	L 2290	5	60,140,201	60,147,401	7,200
del	HAB	H 2526	5	60,140,401	60,147,801	7,400
del	HAB	H 2527	5	60,288,601	60,291,801	3,200
del	LAB	L 2291	5	60,289,201	60,291,801	2,600
del	HAB	H 2528	5	60,855,401	60,863,201	7,800
del	LAB	L 2292	5	60,855,401	60,864,001	8,600
del	HAB	H 2529	5	60,933,201	60,949,201	16,000
del	LAB	L 2293	5	60,933,201	60,951,601	18,400
del	HAB	H 2530	5	61,047,801	61,053,801	6,000
del	LAB	L 2294	5	61,048,001	61,053,401	5,400
del	HAB	H 2531	5	61,109,001	61,122,601	13,600
del	LAB	L 2295	5	61,109,001	61,122,401	13,400
del	HAB	H 2532	5	61,397,801	61,404,801	7,000
del	HAB	H 2533	5	61,595,401	61,608,201	12,800
del	HAB	H 2534	5	61,911,801	61,931,801	20,000
del	HAB	H 2535	5	61,978,201	61,992,801	14,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2296	5	61,978,201	61,992,401	14,200
del	HAB	H 2536	5	62,167,401	62,194,201	26,800
del	LAB	L 2297	5	62,167,601	62,193,801	26,200
del	HAB	H 2537	5	62,303,401	62,309,001	5,600
del	HAB	H 2538	5	62,600,401	62,632,001	31,600
del	LAB	L 2298	5	62,600,601	62,631,601	31,000
del	HAB	H 2539	5	62,695,601	62,705,601	10,000
del	LAB	L 2299	5	62,695,601	62,705,201	9,600
del	HAB	H 2540	5	62,818,201	62,832,601	14,400
del	LAB	L 2300	5	62,818,601	62,832,401	13,800
del	HAB	H 2541	5	62,920,001	62,929,001	9,000
del	LAB	L 2301	5	62,920,201	62,938,001	17,800
del	LAB	L 2302	5	63,534,001	63,545,801	11,800
del	HAB	H 2542	5	63,534,401	63,546,001	11,600
del	HAB	H 2543	5	63,616,201	63,636,001	19,800
del	LAB	L 2303	5	63,762,201	63,778,401	16,200
del	HAB	H 2544	5	63,762,401	63,778,201	15,800
del	HAB	H 2545	5	63,882,801	63,887,801	5,000
del	LAB	L 2304	5	63,883,001	63,887,601	4,600
del	HAB	H 2546	5	63,985,201	63,994,801	9,600
del	LAB	L 2305	5	63,985,601	63,994,201	8,600
del	HAB	H 2547	5	64,239,401	64,245,801	6,400
del	LAB	L 2306	5	64,239,601	64,245,801	6,200
del	HAB	H 2548	5	64,421,801	64,429,601	7,800
del	LAB	L 2307	5	64,422,201	64,429,601	7,400
del	HAB	H 2549	5	64,508,801	64,515,801	7,000
del	HAB	H 2550	5	64,817,201	64,820,201	3,000
del	HAB	H 2551	5	64,936,001	64,962,201	26,200
del	LAB	L 2308	5	64,936,201	64,962,001	25,800
del	HAB	H 2552	5	66,884,001	66,891,201	7,200
del	HAB	H 2553	5	67,428,801	67,435,401	6,600
del	LAB	L 2309	5	67,429,001	67,435,201	6,200
del	HAB	H 2554	5	67,661,201	67,668,001	6,800
del	LAB	L 2310	5	67,661,201	67,667,801	6,600
del	LAB	L 2311	5	67,774,201	67,782,001	7,800
del	HAB	H 2555	5	67,775,001	67,782,201	7,200
del	HAB	H 2556	5	67,975,801	67,980,801	5,000
del	LAB	L 2312	5	67,976,401	67,980,801	4,400
del	HAB	H 2557	5	68,104,601	68,110,401	5,800
del	LAB	L 2313	5	68,104,801	68,111,201	6,400
del	HAB	H 2558	5	68,303,201	68,311,801	8,600
del	LAB	L 2314	5	68,303,201	68,311,801	8,600
del	LAB	L 2315	5	68,553,601	68,567,801	14,200
del	HAB	H 2559	5	68,554,401	68,568,001	13,600
del	LAB	L 2316	5	68,595,801	68,614,201	18,400
del	HAB	H 2560	5	68,598,601	68,613,801	15,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2317	5	68,839,801	68,847,201	7,400
del	HAB	H 2561	5	68,841,801	68,847,201	5,400
del	HAB	H 2562	5	68,879,001	68,889,201	10,200
del	LAB	L 2318	5	68,879,001	68,888,801	9,800
del	HAB	H 2563	5	69,457,801	69,465,001	7,200
del	HAB	H 2564	5	69,874,001	69,893,801	19,800
del	LAB	L 2319	5	69,874,201	69,893,401	19,200
del	HAB	H 2565	5	70,117,401	70,127,201	9,800
del	LAB	L 2320	5	70,117,801	70,130,801	13,000
del	LAB	L 2321	5	70,298,001	70,303,801	5,800
del	HAB	H 2566	5	70,298,401	70,304,401	6,000
del	HAB	H 2567	5	70,817,001	70,826,001	9,000
del	LAB	L 2322	5	70,817,001	70,826,401	9,400
del	LAB	L 2323	5	70,951,801	70,966,201	14,400
del	HAB	H 2568	5	70,952,001	70,962,001	10,000
del	HAB	H 2569	5	71,078,201	71,083,401	5,200
del	LAB	L 2324	5	71,078,601	71,087,001	8,400
del	HAB	H 2570	5	71,770,401	71,783,201	12,800
del	LAB	L 2325	5	71,770,401	71,776,801	6,400
del	HAB	H 2571	5	72,375,201	72,382,001	6,800
del	LAB	L 2326	5	72,375,201	72,382,001	6,800
del	LAB	L 2327	5	72,503,201	72,510,801	7,600
del	HAB	H 2572	5	72,503,401	72,510,601	7,200
del	HAB	H 2573	5	73,850,201	73,857,801	7,600
del	LAB	L 2328	5	73,850,401	73,857,401	7,000
del	HAB	H 2574	5	77,359,601	77,368,201	8,600
del	LAB	L 2329	5	77,359,801	77,367,801	8,000
del	HAB	H 2575	5	77,988,401	77,996,001	7,600
del	LAB	L 2330	5	77,988,401	77,995,801	7,400
del	HAB	H 2576	5	78,056,401	78,061,401	5,000
del	LAB	L 2331	5	78,056,601	78,062,401	5,800
del	LAB	L 2332	5	78,121,801	78,136,001	14,200
del	LAB	L 2333	5	78,184,001	78,203,801	19,800
del	HAB	H 2577	5	78,184,801	78,204,001	19,200
del	LAB	L 2334	5	78,392,201	78,399,601	7,400
del	HAB	H 2578	5	78,392,401	78,399,601	7,200
del	LAB	L 2335	5	78,415,001	78,428,601	13,600
del	HAB	H 2579	5	78,419,601	78,428,801	9,200
del	HAB	H 2580	5	78,745,801	78,748,601	2,800
del	HAB	H 2581	5	78,812,001	78,816,401	4,400
del	LAB	L 2336	5	78,812,001	78,816,201	4,200
del	LAB	L 2337	5	78,838,601	78,846,001	7,400
del	HAB	H 2582	5	78,838,801	78,845,601	6,800
del	HAB	H 2583	5	78,899,001	78,904,201	5,200
del	LAB	L 2338	5	78,899,401	78,905,001	5,600
del	HAB	H 2584	5	79,544,801	79,556,001	11,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2339	5	79,545,001	79,552,001	7,000
del	HAB	H 2585	5	79,589,801	79,608,201	18,400
del	LAB	L 2340	5	79,591,801	79,608,401	16,600
del	HAB	H 2586	5	79,671,001	79,689,201	18,200
del	LAB	L 2341	5	79,671,201	79,688,801	17,600
del	HAB	H 2587	5	80,158,401	80,165,201	6,800
del	LAB	L 2342	5	80,158,401	80,165,201	6,800
del	HAB	H 2588	5	80,229,001	80,236,401	7,400
del	LAB	L 2343	5	80,273,201	80,284,401	11,200
del	HAB	H 2589	5	80,273,801	80,284,601	10,800
del	HAB	H 2590	5	80,380,601	80,385,001	4,400
del	HAB	H 2591	5	80,533,801	80,539,601	5,800
del	LAB	L 2344	5	80,533,801	80,539,601	5,800
del	HAB	H 2592	5	80,886,401	80,901,001	14,600
del	LAB	L 2345	5	80,886,601	80,900,801	14,200
del	LAB	L 2346	5	82,837,201	82,847,001	9,800
del	HAB	H 2593	5	82,838,801	82,841,401	2,600
del	LAB	L 2347	5	83,031,601	83,052,401	20,800
del	HAB	H 2594	5	83,031,801	83,052,201	20,400
del	HAB	H 2595	5	83,067,001	83,072,801	5,800
del	LAB	L 2348	5	83,067,001	83,072,801	5,800
del	HAB	H 2596	5	83,079,001	83,090,801	11,800
del	LAB	L 2349	5	83,079,001	83,090,601	11,600
del	LAB	L 2350	5	83,169,801	83,175,801	6,000
del	HAB	H 2597	5	83,171,001	83,174,601	3,600
del	HAB	H 2598	5	83,300,401	83,318,001	17,600
del	LAB	L 2351	5	83,300,601	83,318,001	17,400
del	HAB	H 2599	5	83,335,601	83,343,401	7,800
del	LAB	L 2352	5	83,336,001	83,348,801	12,800
del	HAB	H 2600	5	83,450,201	83,457,601	7,400
del	LAB	L 2353	5	83,450,401	83,457,201	6,800
del	HAB	H 2601	5	83,544,401	83,550,201	5,800
del	HAB	H 2602	5	83,814,201	83,825,001	10,800
del	LAB	L 2354	5	83,819,001	83,825,001	6,000
del	HAB	H 2603	5	84,015,001	84,021,001	6,000
del	HAB	H 2604	5	84,216,801	84,224,601	7,800
del	LAB	L 2355	5	84,216,801	84,224,201	7,400
del	HAB	H 2605	5	85,149,401	85,156,801	7,400
del	LAB	L 2356	5	85,149,401	85,157,001	7,600
del	HAB	H 2606	5	85,366,801	85,373,201	6,400
del	LAB	L 2357	5	85,367,401	85,373,201	5,800
del	LAB	L 2358	5	85,533,401	85,541,801	8,400
del	HAB	H 2607	5	85,683,001	85,693,001	10,000
del	LAB	L 2359	5	85,683,001	85,692,401	9,400
del	LAB	L 2360	5	85,939,201	85,946,801	7,600
del	HAB	H 2608	5	85,941,801	85,946,601	4,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2361	5	86,063,201	86,069,001	5,800
del	HAB	H 2609	5	86,428,401	86,437,801	9,400
del	LAB	L 2362	5	86,428,601	86,447,201	18,600
del	LAB	L 2363	5	86,791,801	86,799,001	7,200
del	HAB	H 2610	5	86,877,401	86,883,401	6,000
del	LAB	L 2364	5	86,877,401	86,883,601	6,200
del	LAB	L 2365	5	86,976,801	86,988,601	11,800
del	HAB	H 2611	5	86,982,201	86,988,401	6,200
del	HAB	H 2612	5	87,022,601	87,052,601	30,000
del	LAB	L 2366	5	87,022,801	87,051,801	29,000
del	HAB	H 2613	5	87,113,801	87,126,401	12,600
del	LAB	L 2367	5	87,114,001	87,126,201	12,200
del	HAB	H 2614	5	87,465,401	87,477,201	11,800
del	LAB	L 2368	5	87,465,601	87,477,401	11,800
del	LAB	L 2369	5	87,581,601	87,591,601	10,000
del	HAB	H 2615	5	87,654,401	87,666,801	12,400
del	HAB	H 2616	5	87,690,801	87,701,401	10,600
del	LAB	L 2370	5	87,690,801	87,701,201	10,400
del	LAB	L 2371	5	88,480,201	88,490,801	10,600
del	LAB	L 2372	5	88,591,401	88,608,401	17,000
del	HAB	H 2617	5	88,597,601	88,608,201	10,600
del	LAB	L 2373	5	88,646,601	88,665,401	18,800
del	HAB	H 2618	5	88,672,001	88,687,001	15,000
del	LAB	L 2374	5	88,672,401	88,687,201	14,800
del	HAB	H 2619	5	88,835,201	88,847,601	12,400
del	LAB	L 2375	5	88,835,201	88,854,601	19,400
del	LAB	L 2376	5	89,430,201	89,436,601	6,400
del	LAB	L 2377	5	89,633,001	89,638,201	5,200
del	HAB	H 2620	5	89,746,401	89,765,401	19,000
del	LAB	L 2378	5	89,746,401	89,764,201	17,800
del	LAB	L 2379	5	89,856,601	89,863,401	6,800
del	LAB	L 2380	5	89,961,201	89,963,601	2,400
del	HAB	H 2621	5	90,379,601	90,384,801	5,200
del	LAB	L 2381	5	90,379,601	90,384,201	4,600
del	LAB	L 2382	5	90,960,001	90,973,401	13,400
del	HAB	H 2622	5	91,241,601	91,253,201	11,600
del	LAB	L 2383	5	91,241,601	91,253,401	11,800
del	HAB	H 2623	5	91,340,201	91,348,801	8,600
del	LAB	L 2384	5	91,340,601	91,349,201	8,600
del	HAB	H 2624	5	91,353,401	91,359,801	6,400
del	LAB	L 2385	5	91,353,601	91,359,401	5,800
del	HAB	H 2625	5	91,484,001	91,491,001	7,000
del	LAB	L 2386	5	91,484,201	91,491,001	6,800
del	HAB	H 2626	5	91,842,801	91,847,001	4,200
del	LAB	L 2387	5	93,495,401	93,499,201	3,800
del	HAB	H 2627	5	93,495,601	93,499,201	3,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2628	5	93,738,801	93,746,401	7,600
del	LAB	L 2388	5	93,739,201	93,746,801	7,600
del	HAB	H 2629	5	93,781,801	93,817,001	35,200
del	LAB	L 2389	5	93,781,801	93,817,001	35,200
del	HAB	H 2630	5	93,829,601	93,842,601	13,000
del	LAB	L 2390	5	93,829,601	93,842,401	12,800
del	HAB	H 2631	5	93,850,401	93,854,601	4,200
del	LAB	L 2391	5	93,850,401	93,854,801	4,400
del	LAB	L 2392	5	93,860,401	93,881,201	20,800
del	HAB	H 2632	5	93,860,801	93,881,001	20,200
del	HAB	H 2633	5	93,976,201	94,004,601	28,400
del	LAB	L 2393	5	93,976,201	93,992,201	16,000
del	LAB	L 2394	5	94,056,001	94,061,601	5,600
del	LAB	L 2395	5	94,073,401	94,081,601	8,200
del	HAB	H 2634	5	94,073,601	94,081,801	8,200
del	HAB	H 2635	5	94,233,201	94,246,201	13,000
del	LAB	L 2396	5	94,233,601	94,245,401	11,800
del	LAB	L 2397	5	94,312,201	94,322,401	10,200
del	HAB	H 2636	5	94,312,601	94,323,001	10,400
del	HAB	H 2637	5	94,463,801	94,485,201	21,400
del	LAB	L 2398	5	94,463,801	94,484,801	21,000
del	HAB	H 2638	5	94,612,201	94,626,801	14,600
del	LAB	L 2399	5	94,612,801	94,627,601	14,800
del	HAB	H 2639	5	94,655,401	94,665,001	9,600
del	LAB	L 2400	5	94,655,801	94,665,001	9,200
del	LAB	L 2401	5	94,684,801	94,694,601	9,800
del	HAB	H 2640	5	94,685,001	94,695,201	10,200
del	HAB	H 2641	5	94,799,801	94,806,601	6,800
del	LAB	L 2402	5	94,800,001	94,806,401	6,400
del	HAB	H 2642	5	94,944,801	94,950,801	6,000
del	LAB	L 2403	5	94,945,001	94,950,601	5,600
del	HAB	H 2643	5	94,994,801	95,005,201	10,400
del	LAB	L 2404	5	94,994,801	95,004,201	9,400
del	LAB	L 2405	5	95,226,801	95,234,001	7,200
del	HAB	H 2644	5	95,273,201	95,288,401	15,200
del	LAB	L 2406	5	95,276,201	95,288,601	12,400
del	HAB	H 2645	5	95,333,401	95,344,201	10,800
del	LAB	L 2407	5	95,333,401	95,343,401	10,000
del	HAB	H 2646	5	95,650,401	95,661,201	10,800
del	LAB	L 2408	5	95,651,001	95,660,801	9,800
del	HAB	H 2647	5	95,916,801	95,936,401	19,600
del	LAB	L 2409	5	95,917,201	95,934,201	17,000
del	HAB	H 2648	5	95,978,401	95,989,001	10,600
del	LAB	L 2410	5	95,978,401	95,988,401	10,000
del	HAB	H 2649	5	96,126,601	96,151,001	24,400
del	LAB	L 2411	5	96,129,601	96,150,601	21,000

type	mouse line	no.	chr	start	end	size
del	LAB	L 2412	5	96,248,001	96,254,801	6,800
del	HAB	H 2650	5	96,248,201	96,255,401	7,200
del	HAB	H 2651	5	96,703,601	96,727,201	23,600
del	LAB	L 2413	5	96,703,601	96,726,001	22,400
del	HAB	H 2652	5	96,914,401	96,919,801	5,400
del	LAB	L 2414	5	96,914,801	96,919,601	4,800
del	HAB	H 2653	5	97,917,601	97,920,401	2,800
del	LAB	L 2415	5	97,917,601	97,920,401	2,800
del	HAB	H 2654	5	97,948,601	97,955,401	6,800
del	LAB	L 2416	5	97,948,601	97,955,001	6,400
del	HAB	H 2655	5	98,417,801	98,425,001	7,200
del	LAB	L 2417	5	98,417,801	98,424,801	7,000
del	HAB	H 2656	5	98,435,001	98,442,201	7,200
del	LAB	L 2418	5	98,435,201	98,442,201	7,000
del	HAB	H 2657	5	98,633,401	98,641,401	8,000
del	LAB	L 2419	5	98,633,601	98,640,801	7,200
del	LAB	L 2420	5	102,044,601	102,048,201	3,600
del	HAB	H 2658	5	102,044,801	102,048,601	3,800
del	HAB	H 2659	5	102,619,401	102,626,601	7,200
del	LAB	L 2421	5	102,620,001	102,626,401	6,400
del	HAB	H 2660	5	102,837,801	102,845,401	7,600
del	LAB	L 2422	5	102,838,001	102,845,201	7,200
del	HAB	H 2661	5	102,869,801	102,876,201	6,400
del	LAB	L 2423	5	102,870,201	102,875,801	5,600
del	HAB	H 2662	5	103,028,401	103,039,001	10,600
del	LAB	L 2424	5	103,028,801	103,039,401	10,600
del	HAB	H 2663	5	103,074,201	103,081,401	7,200
del	LAB	L 2425	5	103,074,401	103,081,201	6,800
del	HAB	H 2664	5	103,128,201	103,132,001	3,800
del	LAB	L 2426	5	103,128,201	103,131,401	3,200
del	LAB	L 2427	5	104,902,401	104,905,401	3,000
del	LAB	L 2428	5	105,005,201	105,078,401	73,200
del	LAB	L 2429	5	105,085,801	105,100,001	14,200
del	LAB	L 2430	5	105,116,001	105,126,201	10,200
del	HAB	H 2665	5	105,122,201	105,126,001	3,800
del	LAB	L 2431	5	105,204,401	105,208,401	4,000
del	HAB	H 2666	5	105,206,001	105,208,601	2,600
del	LAB	L 2432	5	105,238,601	105,242,001	3,400
del	LAB	L 2433	5	105,260,401	105,350,601	90,200
del	HAB	H 2667	5	105,313,601	105,318,001	4,400
del	LAB	L 2434	5	105,638,201	105,692,401	54,200
del	LAB	L 2435	5	105,789,201	105,816,201	27,000
del	HAB	H 2668	5	105,789,601	105,816,801	27,200
del	LAB	L 2436	5	105,848,601	105,853,601	5,000
del	LAB	L 2437	5	106,153,001	106,158,401	5,400
del	HAB	H 2669	5	107,363,801	107,372,601	8,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2438	5	107,364,401	107,372,201	7,800
del	LAB	L 2439	5	107,684,601	107,687,601	3,000
del	HAB	H 2670	5	108,006,801	108,013,401	6,600
del	LAB	L 2440	5	108,006,801	108,011,801	5,000
del	HAB	H 2671	5	108,355,801	108,361,401	5,600
del	LAB	L 2441	5	108,358,401	108,361,001	2,600
del	LAB	L 2442	5	108,717,601	108,730,001	12,400
del	HAB	H 2672	5	108,719,801	108,730,401	10,600
del	HAB	H 2673	5	109,254,801	109,263,201	8,400
del	LAB	L 2443	5	109,257,801	109,262,201	4,400
del	HAB	H 2674	5	109,307,001	109,318,401	11,400
del	LAB	L 2444	5	109,307,601	109,316,401	8,800
del	HAB	H 2675	5	109,351,601	109,370,401	18,800
del	LAB	L 2445	5	109,355,001	109,387,801	32,800
del	HAB	H 2676	5	109,376,201	109,389,001	12,800
del	HAB	H 2677	5	109,493,401	109,507,001	13,600
del	LAB	L 2446	5	109,493,601	109,509,401	15,800
del	HAB	H 2678	5	109,550,601	109,563,401	12,800
del	LAB	L 2447	5	109,551,001	109,562,201	11,200
del	HAB	H 2679	5	109,573,001	109,615,801	42,800
del	LAB	L 2448	5	109,573,201	109,600,801	27,600
del	LAB	L 2449	5	109,607,601	109,614,601	7,000
del	HAB	H 2680	5	109,680,001	109,707,201	27,200
del	LAB	L 2450	5	109,693,001	109,697,601	4,600
del	HAB	H 2681	5	109,713,601	109,717,601	4,000
del	HAB	H 2682	5	110,043,201	110,064,001	20,800
del	LAB	L 2451	5	110,054,401	110,060,201	5,800
del	HAB	H 2683	5	110,074,201	110,082,201	8,000
del	HAB	H 2684	5	110,123,801	110,182,401	58,600
del	LAB	L 2452	5	110,319,001	110,337,001	18,000
del	HAB	H 2685	5	110,329,401	110,420,401	91,000
del	LAB	L 2453	5	110,623,801	110,628,801	5,000
del	HAB	H 2686	5	111,516,601	111,523,801	7,200
del	LAB	L 2454	5	111,516,801	111,523,601	6,800
del	HAB	H 2687	5	112,405,001	112,408,601	3,600
del	LAB	L 2455	5	112,405,201	112,408,001	2,800
del	HAB	H 2688	5	115,339,401	115,345,401	6,000
del	LAB	L 2456	5	115,702,201	115,704,401	2,200
del	HAB	H 2689	5	120,348,201	120,360,001	11,800
del	LAB	L 2457	5	120,348,801	120,355,601	6,800
del	HAB	H 2690	5	122,642,401	122,650,201	7,800
del	LAB	L 2458	5	122,642,401	122,650,201	7,800
del	HAB	H 2691	5	122,832,601	122,842,401	9,800
del	LAB	L 2459	5	122,833,001	122,840,001	7,000
del	LAB	L 2460	5	123,649,601	123,668,001	18,400
del	HAB	H 2692	5	123,650,001	123,674,401	24,400

type	mouse line	no.	chr	start	end	size
del	HAB	H 2693	5	123,988,801	124,004,001	15,200
del	LAB	L 2461	5	123,988,801	124,004,001	15,200
del	HAB	H 2694	5	126,195,601	126,203,001	7,400
del	HAB	H 2695	5	126,528,001	126,536,001	8,000
del	HAB	H 2696	5	126,842,601	126,855,801	13,200
del	LAB	L 2462	5	126,843,001	126,855,801	12,800
del	LAB	L 2463	5	127,069,601	127,076,601	7,000
del	HAB	H 2697	5	127,299,601	127,306,001	6,400
del	LAB	L 2464	5	127,300,001	127,306,001	6,000
del	HAB	H 2698	5	128,014,801	128,022,201	7,400
del	LAB	L 2465	5	128,018,201	128,022,001	3,800
del	HAB	H 2699	5	128,221,601	128,229,801	8,200
del	LAB	L 2466	5	128,222,201	128,229,601	7,400
del	LAB	L 2467	5	128,350,201	128,363,001	12,800
del	HAB	H 2700	5	128,350,601	128,363,201	12,600
del	HAB	H 2701	5	128,846,601	128,868,001	21,400
del	LAB	L 2468	5	128,846,801	128,867,801	21,000
del	LAB	L 2469	5	129,228,001	129,234,201	6,200
del	HAB	H 2702	5	129,943,201	129,948,801	5,600
del	LAB	L 2470	5	129,943,201	129,949,201	6,000
del	LAB	L 2471	5	131,816,401	131,822,401	6,000
del	HAB	H 2703	5	131,976,601	131,983,401	6,800
del	LAB	L 2472	5	131,976,801	131,983,401	6,600
del	HAB	H 2704	5	132,594,601	132,601,801	7,200
del	LAB	L 2473	5	132,594,801	132,601,601	6,800
del	HAB	H 2705	5	132,651,001	132,657,801	6,800
del	LAB	L 2474	5	132,789,801	132,793,201	3,400
del	HAB	H 2706	5	133,939,001	133,948,201	9,200
del	HAB	H 2707	5	136,099,401	136,105,001	5,600
del	LAB	L 2475	5	136,631,601	136,635,801	4,200
del	LAB	L 2476	5	136,680,001	136,684,601	4,600
del	LAB	L 2477	5	137,206,201	137,212,401	6,200
del	LAB	L 2478	5	137,308,601	137,311,001	2,400
del	HAB	H 2708	5	138,503,001	138,508,801	5,800
del	LAB	L 2479	5	138,503,201	138,509,201	6,000
del	HAB	H 2709	5	141,799,601	141,804,801	5,200
del	LAB	L 2480	5	141,799,601	141,804,401	4,800
del	HAB	H 2710	5	143,766,201	143,771,401	5,200
del	LAB	L 2481	5	143,766,601	143,771,001	4,400
del	LAB	L 2482	5	144,189,001	144,193,401	4,400
del	HAB	H 2711	5	144,543,601	144,560,601	17,000
del	LAB	L 2483	5	144,543,601	144,560,201	16,600
del	LAB	L 2484	5	144,583,401	144,631,001	47,600
del	HAB	H 2712	5	144,583,601	144,631,201	47,600
del	HAB	H 2713	5	145,430,801	145,439,801	9,000
del	LAB	L 2485	5	145,431,201	145,439,401	8,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2714	5	145,622,601	145,627,001	4,400
del	LAB	L 2486	5	145,622,801	145,626,601	3,800
del	HAB	H 2715	5	146,090,601	146,098,201	7,600
del	LAB	L 2487	5	146,090,801	146,097,801	7,000
del	HAB	H 2716	5	146,242,001	146,249,201	7,200
del	LAB	L 2488	5	146,242,201	146,249,001	6,800
del	LAB	L 2489	5	146,263,201	146,306,601	43,400
del	HAB	H 2717	5	146,263,401	146,306,801	43,400
del	LAB	L 2490	5	146,536,201	146,545,201	9,000
del	HAB	H 2718	5	146,536,401	146,545,201	8,800
del	HAB	H 2719	5	146,562,201	146,567,001	4,800
del	HAB	H 2720	5	146,579,201	146,597,801	18,600
del	LAB	L 2491	5	146,579,801	146,597,801	18,000
del	LAB	L 2492	5	146,737,801	146,758,601	20,800
del	HAB	H 2721	5	146,738,401	146,759,201	20,800
del	HAB	H 2722	5	146,845,201	146,861,001	15,800
del	LAB	L 2493	5	146,845,401	146,861,201	15,800
del	HAB	H 2723	5	146,983,001	146,995,801	12,800
del	LAB	L 2494	5	146,983,601	146,995,601	12,000
del	LAB	L 2495	5	147,297,001	147,361,801	64,800
del	HAB	H 2724	5	147,297,401	147,361,801	64,400
del	HAB	H 2725	5	147,553,401	147,559,801	6,400
del	LAB	L 2496	5	147,553,601	147,559,801	6,200
del	HAB	H 2726	5	150,110,801	150,114,601	3,800
del	LAB	L 2497	5	150,110,801	150,114,401	3,600
del	HAB	H 2727	5	152,319,801	152,337,601	17,800
del	LAB	L 2498	5	152,319,801	152,338,601	18,800
del	HAB	H 2728	6	3,042,401	3,050,601	8,200
del	LAB	L 2499	6	3,044,201	3,050,201	6,000
del	HAB	H 2729	6	3,082,801	3,091,601	8,800
del	LAB	L 2500	6	3,083,001	3,091,401	8,400
del	HAB	H 2730	6	3,108,601	3,114,201	5,600
del	LAB	L 2501	6	3,109,001	3,113,801	4,800
del	HAB	H 2731	6	3,134,601	3,142,201	7,600
del	LAB	L 2502	6	3,134,601	3,142,001	7,400
del	HAB	H 2732	6	3,159,401	3,164,801	5,400
del	LAB	L 2503	6	3,159,601	3,164,401	4,800
del	HAB	H 2733	6	3,199,201	3,210,401	11,200
del	LAB	L 2504	6	3,199,201	3,211,201	12,000
del	HAB	H 2734	6	3,595,401	3,604,801	9,400
del	LAB	L 2505	6	3,595,601	3,603,401	7,800
del	HAB	H 2735	6	3,768,801	3,771,801	3,000
del	LAB	L 2506	6	3,769,201	3,773,001	3,800
del	HAB	H 2736	6	4,208,601	4,215,601	7,000
del	LAB	L 2507	6	4,209,001	4,215,601	6,600
del	LAB	L 2508	6	4,261,201	4,278,201	17,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2737	6	4,261,401	4,278,201	16,800
del	HAB	H 2738	6	4,313,001	4,318,401	5,400
del	LAB	L 2509	6	4,313,201	4,318,201	5,000
del	HAB	H 2739	6	5,267,001	5,282,601	15,600
del	LAB	L 2510	6	5,269,401	5,287,201	17,800
del	HAB	H 2740	6	6,574,601	6,578,001	3,400
del	LAB	L 2511	6	6,575,001	6,577,601	2,600
del	HAB	H 2741	6	6,649,801	6,659,201	9,400
del	LAB	L 2512	6	6,650,001	6,656,401	6,400
del	LAB	L 2513	6	6,917,801	6,949,401	31,600
del	HAB	H 2742	6	6,919,401	6,949,401	30,000
del	HAB	H 2743	6	6,973,001	6,977,801	4,800
del	LAB	L 2514	6	6,973,801	6,977,801	4,000
del	LAB	L 2515	6	7,042,001	7,063,601	21,600
del	HAB	H 2744	6	7,046,201	7,062,801	16,600
del	HAB	H 2745	6	7,381,601	7,384,201	2,600
del	LAB	L 2516	6	7,381,801	7,384,201	2,400
del	HAB	H 2746	6	7,431,201	7,438,601	7,400
del	LAB	L 2517	6	7,431,401	7,438,001	6,600
del	HAB	H 2747	6	7,449,001	7,455,601	6,600
del	LAB	L 2518	6	7,449,201	7,457,201	8,000
del	HAB	H 2748	6	7,565,801	7,574,601	8,800
del	LAB	L 2519	6	7,567,601	7,573,401	5,800
del	HAB	H 2749	6	7,612,601	7,616,001	3,400
del	HAB	H 2750	6	7,873,601	7,880,001	6,400
del	LAB	L 2520	6	7,874,201	7,880,001	5,800
del	HAB	H 2751	6	8,481,801	8,488,801	7,000
del	LAB	L 2521	6	8,481,801	8,488,801	7,000
del	HAB	H 2752	6	8,556,401	8,565,201	8,800
del	LAB	L 2522	6	8,557,401	8,565,001	7,600
del	HAB	H 2753	6	9,601,401	9,603,201	1,800
del	LAB	L 2523	6	9,665,201	9,688,401	23,200
del	HAB	H 2754	6	9,665,601	9,688,801	23,200
del	HAB	H 2755	6	10,254,401	10,267,001	12,600
del	LAB	L 2524	6	10,254,401	10,260,601	6,200
del	HAB	H 2756	6	10,507,601	10,516,601	9,000
del	LAB	L 2525	6	10,508,001	10,516,401	8,400
del	HAB	H 2757	6	10,532,601	10,544,601	12,000
del	LAB	L 2526	6	10,532,801	10,545,001	12,200
del	HAB	H 2758	6	10,575,801	10,582,601	6,800
del	LAB	L 2527	6	10,575,801	10,582,601	6,800
del	HAB	H 2759	6	10,639,801	10,667,001	27,200
del	LAB	L 2528	6	10,639,801	10,661,801	22,000
del	LAB	L 2529	6	10,779,401	10,795,801	16,400
del	HAB	H 2760	6	10,781,001	10,796,001	15,000
del	HAB	H 2761	6	11,034,201	11,040,601	6,400

type	mouse line	no.	chr	start	end	size
del	LAB	L 2530	6	11,034,601	11,040,201	5,600
del	HAB	H 2762	6	11,321,201	11,327,601	6,400
del	LAB	L 2531	6	11,359,801	11,379,001	19,200
del	HAB	H 2763	6	11,362,401	11,379,801	17,400
del	HAB	H 2764	6	11,397,601	11,421,601	24,000
del	LAB	L 2532	6	11,398,201	11,403,401	5,200
del	HAB	H 2765	6	11,637,001	11,657,201	20,200
del	LAB	L 2533	6	11,637,201	11,657,001	19,800
del	HAB	H 2766	6	11,779,001	11,794,001	15,000
del	LAB	L 2534	6	11,779,801	11,794,001	14,200
del	HAB	H 2767	6	11,908,801	11,923,601	14,800
del	LAB	L 2535	6	11,908,801	11,923,801	15,000
del	HAB	H 2768	6	12,100,601	12,107,401	6,800
del	HAB	H 2769	6	12,229,001	12,237,801	8,800
del	LAB	L 2536	6	12,232,801	12,237,401	4,600
del	HAB	H 2770	6	12,472,601	12,479,001	6,400
del	HAB	H 2771	6	12,621,601	12,628,401	6,800
del	LAB	L 2537	6	12,625,801	12,628,401	2,600
del	HAB	H 2772	6	12,818,601	12,826,601	8,000
del	HAB	H 2773	6	13,217,801	13,226,001	8,200
del	LAB	L 2538	6	13,217,801	13,226,001	8,200
del	HAB	H 2774	6	13,282,401	13,301,001	18,600
del	LAB	L 2539	6	13,282,601	13,301,001	18,400
del	HAB	H 2775	6	13,370,801	13,378,201	7,400
del	LAB	L 2540	6	13,370,801	13,380,201	9,400
del	HAB	H 2776	6	13,429,601	13,459,001	29,400
del	LAB	L 2541	6	13,429,801	13,459,001	29,200
del	HAB	H 2777	6	13,653,401	13,674,801	21,400
del	LAB	L 2542	6	13,653,801	13,666,401	12,600
del	LAB	L 2543	6	13,690,601	13,693,601	3,000
del	LAB	L 2544	6	13,717,001	13,728,001	11,000
del	LAB	L 2545	6	14,035,201	14,042,201	7,000
del	HAB	H 2778	6	14,195,201	14,204,201	9,000
del	LAB	L 2546	6	14,197,201	14,204,801	7,600
del	LAB	L 2547	6	14,252,801	14,268,601	15,800
del	HAB	H 2779	6	14,253,401	14,268,401	15,000
del	LAB	L 2548	6	14,397,801	14,417,201	19,400
del	HAB	H 2780	6	14,602,401	14,611,801	9,400
del	LAB	L 2549	6	14,602,601	14,611,001	8,400
del	HAB	H 2781	6	14,742,001	14,760,001	18,000
del	LAB	L 2550	6	14,742,401	14,760,601	18,200
del	LAB	L 2551	6	14,910,601	14,916,801	6,200
del	LAB	L 2552	6	15,500,601	15,508,201	7,600
del	HAB	H 2782	6	15,500,801	15,508,201	7,400
del	HAB	H 2783	6	16,153,401	16,160,201	6,800
del	LAB	L 2553	6	16,153,601	16,160,001	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2784	6	16,250,201	16,260,801	10,600
del	LAB	L 2554	6	16,250,201	16,260,201	10,000
del	LAB	L 2555	6	16,985,601	16,991,801	6,200
del	HAB	H 2785	6	18,087,801	18,091,601	3,800
del	LAB	L 2556	6	18,087,801	18,091,801	4,000
del	HAB	H 2786	6	18,107,201	18,119,201	12,000
del	LAB	L 2557	6	18,107,401	18,119,201	11,800
del	LAB	L 2558	6	18,529,201	18,537,001	7,800
del	HAB	H 2787	6	18,681,601	18,687,001	5,400
del	HAB	H 2788	6	18,727,401	18,740,001	12,600
del	LAB	L 2559	6	18,731,401	18,740,001	8,600
del	HAB	H 2789	6	19,091,401	19,106,201	14,800
del	LAB	L 2560	6	19,092,801	19,106,001	13,200
del	HAB	H 2790	6	19,257,401	19,270,801	13,400
del	LAB	L 2561	6	19,257,401	19,271,201	13,800
del	HAB	H 2791	6	19,411,401	19,418,401	7,000
del	LAB	L 2562	6	19,411,801	19,418,001	6,200
del	HAB	H 2792	6	19,450,801	19,453,201	2,400
del	HAB	H 2793	6	19,577,001	19,581,401	4,400
del	LAB	L 2563	6	19,577,001	19,581,201	4,200
del	LAB	L 2564	6	20,059,801	20,067,001	7,200
del	HAB	H 2794	6	20,060,001	20,067,201	7,200
del	HAB	H 2795	6	20,105,801	20,118,001	12,200
del	LAB	L 2565	6	20,107,001	20,127,801	20,800
del	HAB	H 2796	6	20,250,401	20,255,801	5,400
del	LAB	L 2566	6	20,250,601	20,254,801	4,200
del	HAB	H 2797	6	20,483,801	20,501,801	18,000
del	LAB	L 2567	6	20,484,201	20,501,601	17,400
del	HAB	H 2798	6	20,647,801	20,653,001	5,200
del	HAB	H 2799	6	20,855,201	20,874,001	18,800
del	LAB	L 2568	6	20,860,801	20,874,001	13,200
del	HAB	H 2800	6	21,825,201	21,831,601	6,400
del	LAB	L 2569	6	21,825,201	21,831,401	6,200
del	HAB	H 2801	6	22,602,001	22,610,601	8,600
del	HAB	H 2802	6	22,701,401	22,736,001	34,600
del	LAB	L 2570	6	22,721,401	22,735,401	14,000
del	HAB	H 2803	6	23,106,401	23,118,001	11,600
del	LAB	L 2571	6	23,107,001	23,117,601	10,600
del	LAB	L 2572	6	23,315,001	23,322,401	7,400
del	LAB	L 2573	6	23,424,801	23,433,401	8,600
del	HAB	H 2804	6	23,427,201	23,433,401	6,200
del	LAB	L 2574	6	23,457,801	23,468,001	10,200
del	HAB	H 2805	6	23,506,801	23,513,201	6,400
del	LAB	L 2575	6	23,506,801	23,514,401	7,600
del	LAB	L 2576	6	23,554,801	23,561,401	6,600
del	LAB	L 2577	6	23,805,801	23,812,201	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2806	6	24,235,801	24,241,201	5,400
del	LAB	L 2578	6	24,379,401	24,385,201	5,800
del	HAB	H 2807	6	25,058,201	25,063,201	5,000
del	LAB	L 2579	6	25,058,601	25,063,201	4,600
del	HAB	H 2808	6	25,096,201	25,105,201	9,000
del	LAB	L 2580	6	25,097,801	25,103,601	5,800
del	HAB	H 2809	6	25,455,601	25,472,001	16,400
del	LAB	L 2581	6	25,455,801	25,472,601	16,800
del	HAB	H 2810	6	25,492,401	25,516,601	24,200
del	LAB	L 2582	6	25,494,801	25,516,201	21,400
del	HAB	H 2811	6	26,104,201	26,114,401	10,200
del	LAB	L 2583	6	26,198,801	26,207,801	9,000
del	HAB	H 2812	6	26,199,001	26,208,001	9,000
del	HAB	H 2813	6	26,221,601	26,228,601	7,000
del	LAB	L 2584	6	26,222,001	26,229,401	7,400
del	LAB	L 2585	6	26,810,201	26,826,001	15,800
del	HAB	H 2814	6	26,811,401	26,826,401	15,000
del	LAB	L 2586	6	26,940,001	26,946,001	6,000
del	HAB	H 2815	6	26,940,201	26,946,001	5,800
del	LAB	L 2587	6	27,060,401	27,077,801	17,400
del	HAB	H 2816	6	27,502,201	27,507,201	5,000
del	LAB	L 2588	6	27,503,401	27,507,201	3,800
del	HAB	H 2817	6	29,925,201	29,928,601	3,400
del	HAB	H 2818	6	30,946,401	30,951,201	4,800
del	LAB	L 2589	6	31,749,601	31,754,401	4,800
del	LAB	L 2590	6	31,857,601	31,862,001	4,400
del	HAB	H 2819	6	31,858,001	31,862,201	4,200
del	LAB	L 2591	6	33,150,801	33,156,801	6,000
del	LAB	L 2592	6	33,354,401	33,359,001	4,600
del	LAB	L 2593	6	33,602,801	33,615,201	12,400
del	LAB	L 2594	6	33,693,801	33,699,001	5,200
del	HAB	H 2820	6	34,377,001	34,383,001	6,000
del	LAB	L 2595	6	34,377,401	34,383,201	5,800
del	HAB	H 2821	6	34,450,801	34,453,201	2,400
del	HAB	H 2822	6	35,289,201	35,297,201	8,000
del	LAB	L 2596	6	35,289,601	35,297,201	7,600
del	HAB	H 2823	6	35,390,001	35,396,201	6,200
del	LAB	L 2597	6	35,390,001	35,395,801	5,800
del	HAB	H 2824	6	35,528,601	35,534,201	5,600
del	HAB	H 2825	6	35,668,401	35,678,001	9,600
del	LAB	L 2598	6	35,668,801	35,676,201	7,400
del	LAB	L 2599	6	35,866,201	35,886,001	19,800
del	HAB	H 2826	6	35,868,801	35,886,001	17,200
del	LAB	L 2600	6	35,935,401	35,942,401	7,000
del	HAB	H 2827	6	35,936,601	35,942,401	5,800
del	HAB	H 2828	6	36,011,001	36,014,001	3,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2601	6	36,011,601	36,013,801	2,200
del	HAB	H 2829	6	36,032,201	36,039,401	7,200
del	LAB	L 2602	6	36,032,601	36,039,001	6,400
del	HAB	H 2830	6	36,174,401	36,181,001	6,600
del	LAB	L 2603	6	36,174,601	36,180,401	5,800
del	HAB	H 2831	6	36,521,601	36,527,601	6,000
del	LAB	L 2604	6	36,522,201	36,527,201	5,000
del	HAB	H 2832	6	40,544,001	40,550,401	6,400
del	LAB	L 2605	6	40,544,001	40,550,001	6,000
del	HAB	H 2833	6	40,858,801	40,867,601	8,800
del	LAB	L 2606	6	40,861,201	40,867,401	6,200
del	HAB	H 2834	6	40,922,401	40,941,401	19,000
del	LAB	L 2607	6	40,922,601	40,941,201	18,600
del	LAB	L 2608	6	41,193,201	41,200,801	7,600
del	HAB	H 2835	6	41,314,201	41,321,001	6,800
del	LAB	L 2609	6	41,315,001	41,320,201	5,200
del	LAB	L 2610	6	41,380,001	41,389,601	9,600
del	HAB	H 2836	6	41,380,201	41,390,001	9,800
del	HAB	H 2837	6	41,818,201	41,835,801	17,600
del	LAB	L 2611	6	41,818,601	41,835,801	17,200
del	HAB	H 2838	6	41,946,001	41,959,801	13,800
del	LAB	L 2612	6	41,946,001	41,960,401	14,400
del	HAB	H 2839	6	42,004,001	42,010,001	6,000
del	LAB	L 2613	6	42,004,201	42,010,001	5,800
del	LAB	L 2614	6	42,021,201	42,051,401	30,200
del	HAB	H 2840	6	42,021,401	42,051,601	30,200
del	LAB	L 2615	6	42,071,001	42,080,201	9,200
del	HAB	H 2841	6	42,071,201	42,080,201	9,000
del	LAB	L 2616	6	42,100,001	42,119,601	19,600
del	HAB	H 2842	6	42,100,201	42,124,001	23,800
del	HAB	H 2843	6	42,155,601	42,157,401	1,800
del	LAB	L 2617	6	42,155,601	42,157,001	1,400
del	HAB	H 2844	6	43,081,601	43,087,401	5,800
del	HAB	H 2845	6	43,899,001	43,908,401	9,400
del	LAB	L 2618	6	43,900,001	43,908,801	8,800
del	HAB	H 2846	6	43,932,801	43,944,801	12,000
del	LAB	L 2619	6	43,933,401	43,944,401	11,000
del	HAB	H 2847	6	44,056,601	44,063,201	6,600
del	HAB	H 2848	6	44,090,401	44,108,401	18,000
del	HAB	H 2849	6	44,363,801	44,375,601	11,800
del	HAB	H 2850	6	44,502,201	44,510,801	8,600
del	HAB	H 2851	6	44,641,001	44,654,401	13,400
del	HAB	H 2852	6	44,675,001	44,681,601	6,600
del	LAB	L 2620	6	45,118,401	45,124,801	6,400
del	LAB	L 2621	6	45,363,801	45,376,601	12,800
del	HAB	H 2853	6	45,364,001	45,376,201	12,200



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2854	6	45,429,201	45,436,601	7,400
del	LAB	L 2622	6	45,429,601	45,436,601	7,000
del	HAB	H 2855	6	45,624,601	45,636,801	12,200
del	LAB	L 2623	6	45,625,001	45,636,801	11,800
del	HAB	H 2856	6	46,102,401	46,109,801	7,400
del	LAB	L 2624	6	46,102,601	46,109,601	7,000
del	HAB	H 2857	6	46,170,601	46,177,001	6,400
del	LAB	L 2625	6	46,170,601	46,176,801	6,200
del	HAB	H 2858	6	46,237,201	46,249,801	12,600
del	LAB	L 2626	6	46,237,601	46,249,401	11,800
del	HAB	H 2859	6	46,533,801	46,542,201	8,400
del	LAB	L 2627	6	46,534,001	46,538,601	4,600
del	HAB	H 2860	6	46,628,401	46,636,401	8,000
del	LAB	L 2628	6	46,628,601	46,638,201	9,600
del	HAB	H 2861	6	46,763,001	46,779,601	16,600
del	HAB	H 2862	6	46,880,401	46,884,601	4,200
del	LAB	L 2629	6	46,880,601	46,884,401	3,800
del	LAB	L 2630	6	47,600,401	47,728,401	128,000
del	HAB	H 2863	6	47,601,001	47,728,801	127,800
del	HAB	H 2864	6	47,798,001	47,805,201	7,200
del	LAB	L 2631	6	47,798,401	47,805,201	6,800
del	HAB	H 2865	6	48,102,001	48,112,401	10,400
del	LAB	L 2632	6	48,103,001	48,110,601	7,600
del	HAB	H 2866	6	48,178,801	48,196,401	17,600
del	LAB	L 2633	6	48,179,401	48,196,401	17,000
del	LAB	L 2634	6	48,205,401	48,218,801	13,400
del	HAB	H 2867	6	48,211,201	48,219,201	8,000
del	LAB	L 2635	6	48,247,401	48,278,001	30,600
del	HAB	H 2868	6	48,248,001	48,278,201	30,200
del	HAB	H 2869	6	48,470,801	48,475,001	4,200
del	LAB	L 2636	6	48,471,001	48,474,801	3,800
del	HAB	H 2870	6	49,566,001	49,573,401	7,400
del	LAB	L 2637	6	49,566,801	49,573,201	6,400
del	HAB	H 2871	6	50,562,201	50,574,001	11,800
del	LAB	L 2638	6	50,720,601	50,724,201	3,600
del	HAB	H 2872	6	53,352,601	53,359,201	6,600
del	LAB	L 2639	6	53,352,801	53,359,201	6,400
del	HAB	H 2873	6	53,430,601	53,437,801	7,200
del	LAB	L 2640	6	53,430,801	53,437,401	6,600
del	HAB	H 2874	6	53,736,601	53,743,001	6,400
del	LAB	L 2641	6	53,736,601	53,742,801	6,200
del	HAB	H 2875	6	54,306,201	54,309,201	3,000
del	LAB	L 2642	6	54,306,401	54,309,201	2,800
del	HAB	H 2876	6	54,925,201	54,928,801	3,600
del	LAB	L 2643	6	54,925,601	54,928,601	3,000
del	HAB	H 2877	6	54,972,401	54,977,201	4,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2644	6	54,972,601	54,977,001	4,400
del	HAB	H 2878	6	55,175,601	55,178,801	3,200
del	LAB	L 2645	6	55,176,001	55,178,401	2,400
del	HAB	H 2879	6	55,218,801	55,222,801	4,000
del	HAB	H 2880	6	55,603,601	55,610,201	6,600
del	LAB	L 2646	6	55,603,801	55,609,801	6,000
del	HAB	H 2881	6	56,406,601	56,412,401	5,800
del	LAB	L 2647	6	56,406,601	56,412,401	5,800
del	HAB	H 2882	6	56,458,201	56,466,201	8,000
del	LAB	L 2648	6	56,458,401	56,466,201	7,800
del	LAB	L 2649	6	56,902,601	56,911,401	8,800
del	HAB	H 2883	6	56,902,801	56,911,801	9,000
del	LAB	L 2650	6	56,961,801	56,974,001	12,200
del	HAB	H 2884	6	56,963,001	56,974,201	11,200
del	HAB	H 2885	6	57,033,401	57,047,401	14,000
del	LAB	L 2651	6	57,034,401	57,047,401	13,000
del	LAB	L 2652	6	57,281,801	57,300,001	18,200
del	HAB	H 2886	6	57,282,001	57,300,801	18,800
del	LAB	L 2653	6	57,567,401	57,579,201	11,800
del	HAB	H 2887	6	57,571,401	57,579,601	8,200
del	HAB	H 2888	6	58,037,201	58,045,001	7,800
del	LAB	L 2654	6	58,037,201	58,045,601	8,400
del	LAB	L 2655	6	58,126,201	58,136,201	10,000
del	HAB	H 2889	6	58,126,401	58,136,201	9,800
del	HAB	H 2890	6	58,302,401	58,307,801	5,400
del	LAB	L 2656	6	58,302,601	58,307,801	5,200
del	HAB	H 2891	6	58,327,001	58,335,401	8,400
del	LAB	L 2657	6	58,328,401	58,335,601	7,200
del	LAB	L 2658	6	58,457,401	58,464,201	6,800
del	HAB	H 2892	6	58,457,801	58,464,001	6,200
del	HAB	H 2893	6	58,490,601	58,497,401	6,800
del	HAB	H 2894	6	59,527,001	59,548,601	21,600
del	LAB	L 2659	6	59,527,201	59,548,201	21,000
del	LAB	L 2660	6	59,577,001	59,597,201	20,200
del	HAB	H 2895	6	59,577,201	59,604,401	27,200
del	HAB	H 2896	6	59,770,401	59,778,401	8,000
del	HAB	H 2897	6	60,041,001	60,052,401	11,400
del	LAB	L 2661	6	60,042,601	60,054,001	11,400
del	HAB	H 2898	6	60,468,401	60,480,601	12,200
del	HAB	H 2899	6	61,396,401	61,405,201	8,800
del	LAB	L 2662	6	61,396,601	61,405,201	8,600
del	HAB	H 2900	6	61,925,801	61,937,001	11,200
del	LAB	L 2663	6	61,925,801	61,930,401	4,600
del	HAB	H 2901	6	62,826,601	62,838,001	11,400
del	LAB	L 2664	6	62,831,201	62,838,001	6,800
del	HAB	H 2902	6	62,961,601	62,973,201	11,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2665	6	62,961,601	62,973,801	12,200
del	HAB	H 2903	6	63,529,601	63,536,601	7,000
del	HAB	H 2904	6	63,617,401	63,630,401	13,000
del	LAB	L 2666	6	65,146,801	65,164,801	18,000
del	HAB	H 2905	6	65,147,801	65,164,801	17,000
del	HAB	H 2906	6	65,172,401	65,178,601	6,200
del	LAB	L 2667	6	65,172,801	65,178,801	6,000
del	HAB	H 2907	6	65,246,801	65,256,201	9,400
del	LAB	L 2668	6	65,247,201	65,255,801	8,600
del	HAB	H 2908	6	66,408,401	66,414,601	6,200
del	LAB	L 2669	6	66,408,801	66,414,401	5,600
del	HAB	H 2909	6	66,589,601	66,635,201	45,600
del	HAB	H 2910	6	66,685,601	66,700,201	14,600
del	LAB	L 2670	6	66,687,801	66,697,601	9,800
del	HAB	H 2911	6	66,714,001	66,722,801	8,800
del	HAB	H 2912	6	66,765,201	66,783,201	18,000
del	LAB	L 2671	6	66,768,801	66,783,601	14,800
del	HAB	H 2913	6	66,820,001	66,827,201	7,200
del	HAB	H 2914	6	67,440,201	67,458,801	18,600
del	HAB	H 2915	6	67,525,801	67,583,601	57,800
del	LAB	L 2672	6	67,527,401	67,579,001	51,600
del	HAB	H 2916	6	67,601,601	67,612,401	10,800
del	LAB	L 2673	6	67,603,401	67,610,801	7,400
del	HAB	H 2917	6	67,657,601	67,661,001	3,400
del	HAB	H 2918	6	67,689,201	67,693,401	4,200
del	HAB	H 2919	6	68,308,001	68,317,001	9,000
del	LAB	L 2674	6	68,308,001	68,317,201	9,200
del	HAB	H 2920	6	68,516,401	68,572,201	55,800
del	HAB	H 2921	6	68,579,601	68,663,601	84,000
del	HAB	H 2922	6	68,671,001	68,674,201	3,200
del	LAB	L 2675	6	68,726,601	68,736,201	9,600
del	HAB	H 2923	6	68,727,001	68,736,201	9,200
del	HAB	H 2924	6	68,968,601	68,981,001	12,400
del	LAB	L 2676	6	68,973,001	68,980,201	7,200
del	HAB	H 2925	6	69,030,201	69,049,801	19,600
del	LAB	L 2677	6	69,030,801	69,049,801	19,000
del	HAB	H 2926	6	69,195,801	69,210,401	14,600
del	LAB	L 2678	6	69,200,201	69,211,401	11,200
del	HAB	H 2927	6	69,408,001	69,419,601	11,600
del	LAB	L 2679	6	69,408,001	69,414,801	6,800
del	HAB	H 2928	6	69,433,801	69,443,601	9,800
del	LAB	L 2680	6	69,434,401	69,443,201	8,800
del	LAB	L 2681	6	69,477,401	69,482,601	5,200
del	HAB	H 2929	6	69,477,601	69,483,001	5,400
del	HAB	H 2930	6	69,900,401	69,907,001	6,600
del	LAB	L 2682	6	69,901,201	69,907,401	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2931	6	70,132,201	70,144,601	12,400
del	LAB	L 2683	6	70,132,401	70,144,801	12,400
del	LAB	L 2684	6	70,222,001	70,235,201	13,200
del	HAB	H 2932	6	70,222,201	70,235,201	13,000
del	HAB	H 2933	6	70,423,801	70,440,201	16,400
del	HAB	H 2934	6	70,470,801	70,514,201	43,400
del	LAB	L 2685	6	70,475,401	70,486,401	11,000
del	HAB	H 2935	6	70,518,601	70,551,001	32,400
del	HAB	H 2936	6	70,557,601	70,604,601	47,000
del	LAB	L 2686	6	70,568,801	70,576,401	7,600
del	HAB	H 2937	6	70,636,801	70,654,601	17,800
del	LAB	L 2687	6	70,646,401	70,654,601	8,200
del	HAB	H 2938	6	70,707,401	70,710,201	2,800
del	HAB	H 2939	6	72,010,801	72,016,801	6,000
del	LAB	L 2688	6	72,011,201	72,016,601	5,400
del	HAB	H 2940	6	73,150,601	73,153,801	3,200
del	LAB	L 2689	6	73,150,601	73,153,401	2,800
del	HAB	H 2941	6	73,162,401	73,170,001	7,600
del	LAB	L 2690	6	73,162,801	73,169,801	7,000
del	HAB	H 2942	6	73,236,601	73,244,401	7,800
del	LAB	L 2691	6	73,237,201	73,244,001	6,800
del	HAB	H 2943	6	73,346,801	73,357,201	10,400
del	LAB	L 2692	6	73,346,801	73,357,001	10,200
del	HAB	H 2944	6	73,390,801	73,404,001	13,200
del	LAB	L 2693	6	73,391,001	73,404,201	13,200
del	LAB	L 2694	6	73,496,001	73,499,601	3,600
del	HAB	H 2945	6	73,496,201	73,499,801	3,600
del	HAB	H 2946	6	73,647,801	73,666,801	19,000
del	LAB	L 2695	6	73,648,401	73,667,601	19,200
del	HAB	H 2947	6	73,687,401	73,694,201	6,800
del	LAB	L 2696	6	73,687,601	73,693,801	6,200
del	HAB	H 2948	6	74,397,001	74,402,201	5,200
del	LAB	L 2697	6	74,397,201	74,402,401	5,200
del	HAB	H 2949	6	74,948,201	74,960,601	12,400
del	LAB	L 2698	6	74,948,201	74,960,601	12,400
del	LAB	L 2699	6	75,005,001	75,010,001	5,000
del	HAB	H 2950	6	75,006,601	75,010,201	3,600
del	LAB	L 2700	6	75,266,401	75,272,201	5,800
del	LAB	L 2701	6	75,285,001	75,299,601	14,600
del	HAB	H 2951	6	75,288,801	75,299,801	11,000
del	HAB	H 2952	6	75,393,601	75,412,001	18,400
del	LAB	L 2702	6	75,440,001	75,442,601	2,600
del	HAB	H 2953	6	75,659,601	75,662,801	3,200
del	HAB	H 2954	6	76,022,801	76,031,001	8,200
del	LAB	L 2703	6	77,481,801	77,484,201	2,400
del	HAB	H 2955	6	77,482,001	77,484,401	2,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 2956	6	77,976,801	77,993,601	16,800
del	LAB	L 2704	6	77,977,001	77,993,401	16,400
del	HAB	H 2957	6	78,660,801	78,670,801	10,000
del	LAB	L 2705	6	78,660,801	78,670,801	10,000
del	HAB	H 2958	6	78,875,801	78,888,601	12,800
del	LAB	L 2706	6	78,876,001	78,888,401	12,400
del	HAB	H 2959	6	78,893,801	78,899,801	6,000
del	LAB	L 2707	6	78,894,401	78,899,801	5,400
del	HAB	H 2960	6	78,972,801	78,975,201	2,400
del	LAB	L 2708	6	78,972,801	78,975,201	2,400
del	LAB	L 2709	6	79,072,801	79,081,801	9,000
del	HAB	H 2961	6	79,073,201	79,081,801	8,600
del	LAB	L 2710	6	79,126,401	79,136,601	10,200
del	HAB	H 2962	6	79,133,801	79,136,801	3,000
del	HAB	H 2963	6	79,216,401	79,229,401	13,000
del	LAB	L 2711	6	79,216,801	79,228,201	11,400
del	HAB	H 2964	6	79,577,801	79,586,201	8,400
del	LAB	L 2712	6	79,577,801	79,585,601	7,800
del	LAB	L 2713	6	79,910,601	79,916,801	6,200
del	HAB	H 2965	6	79,913,601	79,916,601	3,000
del	LAB	L 2714	6	80,335,001	80,342,801	7,800
del	LAB	L 2715	6	80,600,801	80,607,601	6,800
del	LAB	L 2716	6	80,960,601	80,967,601	7,000
del	HAB	H 2966	6	80,961,801	80,972,401	10,600
del	HAB	H 2967	6	81,074,401	81,090,601	16,200
del	LAB	L 2717	6	81,074,401	81,091,601	17,200
del	HAB	H 2968	6	81,184,801	81,188,401	3,600
del	LAB	L 2718	6	81,185,401	81,188,201	2,800
del	HAB	H 2969	6	81,225,201	81,232,401	7,200
del	LAB	L 2719	6	81,225,401	81,232,201	6,800
del	HAB	H 2970	6	81,804,201	81,819,001	14,800
del	LAB	L 2720	6	81,804,401	81,818,401	14,000
del	HAB	H 2971	6	81,945,801	81,962,001	16,200
del	LAB	L 2721	6	81,946,201	81,961,601	15,400
del	LAB	L 2722	6	82,164,801	82,174,401	9,600
del	HAB	H 2972	6	82,165,001	82,174,601	9,600
del	HAB	H 2973	6	82,205,401	82,215,601	10,200
del	LAB	L 2723	6	82,205,801	82,215,801	10,000
del	HAB	H 2974	6	82,574,401	82,582,601	8,200
del	LAB	L 2724	6	82,574,401	82,582,201	7,800
del	HAB	H 2975	6	83,498,601	83,501,601	3,000
del	LAB	L 2725	6	83,499,201	83,501,001	1,800
del	HAB	H 2976	6	85,620,201	85,625,801	5,600
del	HAB	H 2977	6	88,517,001	88,523,401	6,400
del	LAB	L 2726	6	88,517,201	88,523,201	6,000
del	HAB	H 2978	6	88,619,601	88,625,401	5,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2727	6	88,620,001	88,625,401	5,400
del	HAB	H 2979	6	89,122,001	89,159,201	37,200
del	LAB	L 2728	6	89,122,401	89,160,801	38,400
del	LAB	L 2729	6	89,674,201	89,685,201	11,000
del	HAB	H 2980	6	89,674,601	89,685,401	10,800
del	HAB	H 2981	6	89,704,001	89,715,801	11,800
del	LAB	L 2730	6	89,704,201	89,715,801	11,600
del	HAB	H 2982	6	89,950,401	89,961,001	10,600
del	LAB	L 2731	6	89,950,601	89,959,801	9,200
del	HAB	H 2983	6	90,158,601	90,178,001	19,400
del	LAB	L 2732	6	90,161,001	90,172,001	11,000
del	LAB	L 2733	6	90,388,001	90,394,801	6,800
del	HAB	H 2984	6	90,388,601	90,395,401	6,800
del	HAB	H 2985	6	92,271,401	92,278,601	7,200
del	LAB	L 2734	6	92,272,001	92,278,401	6,400
del	HAB	H 2986	6	93,326,201	93,334,001	7,800
del	HAB	H 2987	6	94,986,801	94,993,801	7,000
del	HAB	H 2988	6	95,791,601	95,798,001	6,400
del	LAB	L 2735	6	95,792,001	95,797,801	5,800
del	LAB	L 2736	6	96,545,601	96,558,801	13,200
del	HAB	H 2989	6	96,552,001	96,558,401	6,400
del	LAB	L 2737	6	96,653,801	96,656,601	2,800
del	HAB	H 2990	6	96,717,601	96,740,001	22,400
del	LAB	L 2738	6	96,717,801	96,743,401	25,600
del	LAB	L 2739	6	96,872,201	96,878,001	5,800
del	LAB	L 2740	6	96,909,001	96,924,001	15,000
del	HAB	H 2991	6	96,912,201	96,924,001	11,800
del	LAB	L 2741	6	97,322,001	97,329,601	7,600
del	HAB	H 2992	6	97,854,801	97,859,601	4,800
del	LAB	L 2742	6	97,855,201	97,859,201	4,000
del	LAB	L 2743	6	98,767,601	98,774,401	6,800
del	HAB	H 2993	6	100,409,001	100,415,001	6,000
del	LAB	L 2744	6	100,409,601	100,414,801	5,200
del	HAB	H 2994	6	100,686,601	100,690,001	3,400
del	LAB	L 2745	6	100,687,001	100,689,801	2,800
del	HAB	H 2995	6	100,700,801	100,708,201	7,400
del	LAB	L 2746	6	100,701,201	100,708,201	7,000
del	HAB	H 2996	6	100,957,601	100,964,601	7,000
del	HAB	H 2997	6	101,088,401	101,093,801	5,400
del	LAB	L 2747	6	101,283,401	101,285,401	2,000
del	LAB	L 2748	6	101,388,401	101,394,801	6,400
del	LAB	L 2749	6	101,535,401	101,546,801	11,400
del	HAB	H 2998	6	101,593,001	101,604,201	11,200
del	LAB	L 2750	6	101,593,601	101,604,401	10,800
del	LAB	L 2751	6	101,686,401	101,697,801	11,400
del	HAB	H 2999	6	101,687,201	101,699,601	12,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3000	6	101,705,001	101,712,001	7,000
del	LAB	L 2752	6	101,705,401	101,711,801	6,400
del	HAB	H 3001	6	101,985,001	101,992,001	7,000
del	LAB	L 2753	6	101,985,001	101,992,001	7,000
del	LAB	L 2754	6	102,125,201	102,131,401	6,200
del	HAB	H 3002	6	102,329,401	102,336,801	7,400
del	LAB	L 2755	6	102,330,201	102,340,601	10,400
del	HAB	H 3003	6	102,367,001	102,369,401	2,400
del	LAB	L 2756	6	102,523,401	102,529,601	6,200
del	LAB	L 2757	6	102,613,801	102,623,201	9,400
del	HAB	H 3004	6	102,614,001	102,623,601	9,600
del	LAB	L 2758	6	102,633,601	102,643,201	9,600
del	HAB	H 3005	6	102,640,201	102,643,201	3,000
del	HAB	H 3006	6	102,716,401	102,724,601	8,200
del	LAB	L 2759	6	102,716,401	102,724,001	7,600
del	LAB	L 2760	6	102,732,001	102,741,201	9,200
del	HAB	H 3007	6	102,734,001	102,741,401	7,400
del	LAB	L 2761	6	102,870,201	102,881,001	10,800
del	HAB	H 3008	6	102,870,801	102,880,201	9,400
del	LAB	L 2762	6	103,009,801	103,019,001	9,200
del	HAB	H 3009	6	103,524,801	103,532,401	7,600
del	HAB	H 3010	6	103,669,601	103,677,001	7,400
del	LAB	L 2763	6	103,669,801	103,683,401	13,600
del	HAB	H 3011	6	104,206,601	104,214,401	7,800
del	LAB	L 2764	6	104,207,201	104,214,201	7,000
del	HAB	H 3012	6	104,305,601	104,313,001	7,400
del	HAB	H 3013	6	104,329,201	104,335,801	6,600
del	HAB	H 3014	6	104,609,601	104,614,001	4,400
del	HAB	H 3015	6	105,068,601	105,075,001	6,400
del	LAB	L 2765	6	105,068,801	105,074,601	5,800
del	HAB	H 3016	6	105,203,801	105,208,201	4,400
del	HAB	H 3017	6	105,567,201	105,576,601	9,400
del	HAB	H 3018	6	105,612,601	105,620,001	7,400
del	HAB	H 3019	6	105,904,001	105,910,401	6,400
del	HAB	H 3020	6	106,265,201	106,272,001	6,800
del	HAB	H 3021	6	106,346,401	106,354,001	7,600
del	HAB	H 3022	6	106,846,801	106,854,001	7,200
del	LAB	L 2766	6	106,847,201	106,854,001	6,800
del	LAB	L 2767	6	106,973,601	106,980,801	7,200
del	HAB	H 3023	6	107,043,201	107,062,601	19,400
del	LAB	L 2768	6	107,046,001	107,067,201	21,200
del	LAB	L 2769	6	107,086,201	107,096,401	10,200
del	HAB	H 3024	6	107,197,001	107,203,001	6,000
del	LAB	L 2770	6	107,197,201	107,203,201	6,000
del	LAB	L 2771	6	107,234,401	107,250,801	16,400
del	HAB	H 3025	6	107,238,001	107,245,801	7,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 2772	6	107,279,601	107,286,001	6,400
del	LAB	L 2773	6	107,435,001	107,438,001	3,000
del	LAB	L 2774	6	107,537,401	107,542,401	5,000
del	LAB	L 2775	6	107,615,001	107,629,401	14,400
del	HAB	H 3026	6	107,615,401	107,633,401	18,000
del	LAB	L 2776	6	107,762,601	107,780,001	17,400
del	HAB	H 3027	6	107,763,401	107,780,001	16,600
del	HAB	H 3028	6	107,811,801	107,818,001	6,200
del	LAB	L 2777	6	107,812,001	107,818,201	6,200
del	HAB	H 3029	6	107,859,401	107,864,201	4,800
del	HAB	H 3030	6	108,961,001	108,965,001	4,000
del	LAB	L 2778	6	108,961,801	108,965,001	3,200
del	HAB	H 3031	6	108,969,801	108,983,401	13,600
del	LAB	L 2779	6	108,996,801	109,017,801	21,000
del	HAB	H 3032	6	108,997,201	109,026,201	29,000
del	LAB	L 2780	6	109,035,001	109,052,201	17,200
del	HAB	H 3033	6	109,040,601	109,051,801	11,200
del	HAB	H 3034	6	109,079,401	109,084,801	5,400
del	LAB	L 2781	6	109,079,601	109,085,001	5,400
del	HAB	H 3035	6	109,308,201	109,317,801	9,600
del	LAB	L 2782	6	109,309,001	109,317,201	8,200
del	LAB	L 2783	6	109,529,201	109,536,001	6,800
del	HAB	H 3036	6	109,529,801	109,536,201	6,400
del	HAB	H 3037	6	109,955,001	109,961,801	6,800
del	LAB	L 2784	6	109,955,201	109,961,601	6,400
del	HAB	H 3038	6	110,038,201	110,047,601	9,400
del	LAB	L 2785	6	110,038,201	110,046,401	8,200
del	HAB	H 3039	6	110,155,601	110,179,601	24,000
del	LAB	L 2786	6	110,155,601	110,179,201	23,600
del	HAB	H 3040	6	110,202,001	110,206,401	4,400
del	LAB	L 2787	6	110,202,001	110,206,401	4,400
del	HAB	H 3041	6	110,963,401	110,969,801	6,400
del	LAB	L 2788	6	110,963,601	110,969,801	6,200
del	HAB	H 3042	6	111,331,601	111,349,801	18,200
del	LAB	L 2789	6	111,332,001	111,349,401	17,400
del	HAB	H 3043	6	111,365,601	111,372,201	6,600
del	LAB	L 2790	6	111,365,601	111,372,201	6,600
del	LAB	L 2791	6	111,407,801	111,419,001	11,200
del	HAB	H 3044	6	111,410,601	111,419,401	8,800
del	HAB	H 3045	6	111,618,801	111,629,201	10,400
del	LAB	L 2792	6	111,618,801	111,634,801	16,000
del	HAB	H 3046	6	112,187,601	112,192,401	4,800
del	HAB	H 3047	6	112,201,001	112,204,001	3,000
del	HAB	H 3048	6	112,602,601	112,609,801	7,200
del	LAB	L 2793	6	114,439,601	114,587,601	148,000
del	HAB	H 3049	6	114,440,001	114,588,201	148,200



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3050	6	114,709,201	114,715,801	6,600
del	LAB	L 2794	6	114,709,401	114,715,401	6,000
del	HAB	H 3051	6	115,774,401	115,780,001	5,600
del	HAB	H 3052	6	115,816,201	115,824,601	8,400
del	LAB	L 2795	6	115,816,601	115,824,201	7,600
del	HAB	H 3053	6	116,518,201	116,523,601	5,400
del	LAB	L 2796	6	116,518,201	116,523,601	5,400
del	HAB	H 3054	6	116,635,201	116,641,601	6,400
del	HAB	H 3055	6	116,684,801	116,697,601	12,800
del	HAB	H 3056	6	117,037,201	117,044,201	7,000
del	HAB	H 3057	6	117,340,001	117,345,001	5,000
del	LAB	L 2797	6	117,340,001	117,344,801	4,800
del	LAB	L 2798	6	117,471,201	117,479,401	8,200
del	HAB	H 3058	6	117,472,601	117,479,401	6,800
del	HAB	H 3059	6	117,684,001	117,699,801	15,800
del	HAB	H 3060	6	118,237,601	118,240,801	3,200
del	HAB	H 3061	6	118,385,601	118,389,401	3,800
del	HAB	H 3062	6	118,438,801	118,445,601	6,800
del	HAB	H 3063	6	118,519,801	118,524,001	4,200
del	LAB	L 2799	6	119,823,201	119,825,801	2,600
del	LAB	L 2800	6	120,077,801	120,086,201	8,400
del	HAB	H 3064	6	120,763,401	120,767,801	4,400
del	HAB	H 3065	6	121,600,401	121,604,201	3,800
del	LAB	L 2801	6	121,600,401	121,604,001	3,600
del	HAB	H 3066	6	121,645,401	121,651,601	6,200
del	LAB	L 2802	6	121,645,801	121,652,001	6,200
del	HAB	H 3067	6	121,699,401	121,705,601	6,200
del	LAB	L 2803	6	121,700,001	121,705,601	5,600
del	HAB	H 3068	6	122,008,401	122,016,601	8,200
del	LAB	L 2804	6	122,042,201	122,052,601	10,400
del	HAB	H 3069	6	122,042,401	122,054,401	12,000
del	HAB	H 3070	6	122,139,001	122,171,401	32,400
del	LAB	L 2805	6	122,147,401	122,160,001	12,600
del	HAB	H 3071	6	123,015,801	123,036,601	20,800
del	LAB	L 2806	6	123,022,201	123,035,801	13,600
del	HAB	H 3072	6	123,107,601	123,114,401	6,800
del	LAB	L 2807	6	123,302,801	123,322,001	19,200
del	HAB	H 3073	6	123,303,201	123,322,201	19,000
del	LAB	L 2808	6	123,379,201	123,386,201	7,000
del	HAB	H 3074	6	123,379,401	123,386,401	7,000
del	HAB	H 3075	6	123,494,401	123,501,801	7,400
del	LAB	L 2809	6	123,494,401	123,501,601	7,200
del	HAB	H 3076	6	123,629,401	123,640,401	11,000
del	LAB	L 2810	6	123,632,001	123,639,401	7,400
del	HAB	H 3077	6	123,672,801	123,675,601	2,800
del	HAB	H 3078	6	123,953,001	123,965,801	12,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 2811	6	123,954,801	123,965,401	10,600
del	LAB	L 2812	6	124,147,601	124,164,601	17,000
del	HAB	H 3079	6	124,158,001	124,164,601	6,600
del	HAB	H 3080	6	124,238,401	124,244,001	5,600
del	LAB	L 2813	6	124,238,601	124,243,801	5,200
del	LAB	L 2814	6	124,746,801	124,752,601	5,800
del	HAB	H 3081	6	124,747,001	124,752,801	5,800
del	HAB	H 3082	6	124,924,201	124,931,401	7,200
del	LAB	L 2815	6	124,924,201	124,931,601	7,400
del	HAB	H 3083	6	125,340,401	125,353,801	13,400
del	LAB	L 2816	6	125,340,401	125,353,401	13,000
del	HAB	H 3084	6	126,405,801	126,417,001	11,200
del	LAB	L 2817	6	126,406,001	126,417,601	11,600
del	HAB	H 3085	6	126,852,201	126,855,801	3,600
del	LAB	L 2818	6	126,852,401	126,855,601	3,200
del	HAB	H 3086	6	127,045,401	127,050,401	5,000
del	LAB	L 2819	6	127,045,601	127,050,401	4,800
del	HAB	H 3087	6	127,463,801	127,471,201	7,400
del	LAB	L 2820	6	127,464,201	127,471,001	6,800
del	HAB	H 3088	6	128,630,001	128,646,001	16,000
del	LAB	L 2821	6	128,630,201	128,646,801	16,600
del	HAB	H 3089	6	129,885,401	129,894,601	9,200
del	LAB	L 2822	6	129,885,801	129,893,401	7,600
del	LAB	L 2823	6	129,925,001	130,027,001	102,000
del	HAB	H 3090	6	129,926,401	130,015,201	88,800
del	HAB	H 3091	6	130,019,401	130,123,201	103,800
del	HAB	H 3092	6	130,168,401	130,257,801	89,400
del	LAB	L 2824	6	130,169,201	130,256,801	87,600
del	HAB	H 3093	6	130,389,001	130,410,001	21,000
del	LAB	L 2825	6	130,389,201	130,409,801	20,600
del	LAB	L 2826	6	130,451,601	130,477,201	25,600
del	HAB	H 3094	6	130,470,801	130,481,601	10,800
del	HAB	H 3095	6	130,584,201	130,596,801	12,600
del	LAB	L 2827	6	130,585,001	130,596,201	11,200
del	HAB	H 3096	6	130,633,601	130,640,801	7,200
del	LAB	L 2828	6	130,634,001	130,640,601	6,600
del	HAB	H 3097	6	130,653,001	130,655,801	2,800
del	HAB	H 3098	6	130,681,201	130,684,601	3,400
del	HAB	H 3099	6	130,699,401	130,715,201	15,800
del	LAB	L 2829	6	130,699,601	130,714,001	14,400
del	HAB	H 3100	6	130,826,601	130,830,601	4,000
del	LAB	L 2830	6	130,826,801	130,830,601	3,800
del	HAB	H 3101	6	130,842,001	130,927,601	85,600
del	LAB	L 2831	6	130,851,601	130,913,001	61,400
del	HAB	H 3102	6	131,006,201	131,018,001	11,800
del	LAB	L 2832	6	131,007,001	131,014,401	7,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3103	6	131,031,601	131,065,001	33,400
del	LAB	L 2833	6	131,031,801	131,065,001	33,200
del	LAB	L 2834	6	131,099,801	131,113,201	13,400
del	HAB	H 3104	6	131,100,201	131,113,001	12,800
del	HAB	H 3105	6	131,512,401	131,529,801	17,400
del	LAB	L 2835	6	131,514,601	131,529,801	15,200
del	LAB	L 2836	6	131,655,601	131,663,001	7,400
del	HAB	H 3106	6	131,656,201	131,663,601	7,400
del	HAB	H 3107	6	131,707,401	131,721,201	13,800
del	LAB	L 2837	6	131,707,401	131,721,201	13,800
del	HAB	H 3108	6	131,742,801	131,759,601	16,800
del	LAB	L 2838	6	131,743,201	131,759,001	15,800
del	HAB	H 3109	6	131,914,401	131,925,801	11,400
del	HAB	H 3110	6	132,137,001	132,145,801	8,800
del	LAB	L 2839	6	132,137,001	132,145,801	8,800
del	HAB	H 3111	6	132,189,801	132,198,801	9,000
del	LAB	L 2840	6	132,190,601	132,198,001	7,400
del	HAB	H 3112	6	132,219,601	132,230,401	10,800
del	LAB	L 2841	6	132,220,401	132,231,201	10,800
del	LAB	L 2842	6	132,258,401	132,264,401	6,000
del	HAB	H 3113	6	132,506,201	132,511,201	5,000
del	HAB	H 3114	6	133,157,601	133,163,801	6,200
del	LAB	L 2843	6	133,158,801	133,163,401	4,600
del	HAB	H 3115	6	133,168,001	133,177,401	9,400
del	LAB	L 2844	6	133,168,801	133,177,401	8,600
del	LAB	L 2845	6	133,351,601	133,357,001	5,400
del	HAB	H 3116	6	133,351,801	133,357,401	5,600
del	HAB	H 3117	6	133,372,201	133,384,601	12,400
del	LAB	L 2846	6	133,372,401	133,383,801	11,400
del	HAB	H 3118	6	133,394,601	133,418,601	24,000
del	LAB	L 2847	6	133,394,601	133,418,401	23,800
del	HAB	H 3119	6	133,495,601	133,499,601	4,000
del	HAB	H 3120	6	133,666,401	133,673,401	7,000
del	LAB	L 2848	6	133,689,601	133,707,401	17,800
del	HAB	H 3121	6	133,689,801	133,707,201	17,400
del	LAB	L 2849	6	133,751,801	133,792,801	41,000
del	HAB	H 3122	6	133,752,201	133,793,001	40,800
del	HAB	H 3123	6	133,837,801	133,846,401	8,600
del	LAB	L 2850	6	133,840,001	133,846,401	6,400
del	HAB	H 3124	6	133,871,801	133,879,601	7,800
del	HAB	H 3125	6	133,893,001	133,900,001	7,000
del	HAB	H 3126	6	133,959,401	133,964,601	5,200
del	LAB	L 2851	6	133,959,601	133,964,201	4,600
del	HAB	H 3127	6	134,639,601	134,642,801	3,200
del	LAB	L 2852	6	134,639,601	134,642,401	2,800
del	HAB	H 3128	6	134,953,201	134,956,001	2,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3129	6	135,231,201	135,237,801	6,600
del	LAB	L 2853	6	135,231,601	135,237,601	6,000
del	HAB	H 3130	6	135,375,001	135,377,401	2,400
del	LAB	L 2854	6	135,375,201	135,377,601	2,400
del	HAB	H 3131	6	135,404,601	135,406,201	1,600
del	HAB	H 3132	6	136,919,201	136,926,401	7,200
del	LAB	L 2855	6	136,919,401	136,926,001	6,600
del	HAB	H 3133	6	137,169,201	137,183,001	13,800
del	LAB	L 2856	6	137,169,601	137,182,601	13,000
del	LAB	L 2857	6	139,085,601	139,090,401	4,800
del	HAB	H 3134	6	140,270,401	140,276,201	5,800
del	HAB	H 3135	6	140,691,401	140,695,601	4,200
del	HAB	H 3136	6	140,782,201	140,790,001	7,800
del	HAB	H 3137	6	140,810,401	140,824,801	14,400
del	HAB	H 3138	6	140,933,801	140,940,001	6,200
del	HAB	H 3139	6	141,521,801	141,533,201	11,400
del	LAB	L 2858	6	141,521,801	141,532,801	11,000
del	HAB	H 3140	6	141,695,801	141,708,601	12,800
del	LAB	L 2859	6	141,696,201	141,708,401	12,200
del	HAB	H 3141	6	141,809,601	141,812,601	3,000
del	HAB	H 3142	6	142,008,001	142,027,601	19,600
del	LAB	L 2860	6	142,008,401	142,027,601	19,200
del	HAB	H 3143	6	142,097,401	142,104,801	7,400
del	LAB	L 2861	6	142,097,601	142,104,601	7,000
del	HAB	H 3144	6	142,115,801	142,124,401	8,600
del	LAB	L 2862	6	142,116,001	142,124,601	8,600
del	HAB	H 3145	6	142,218,601	142,221,401	2,800
del	HAB	H 3146	6	142,345,401	142,348,801	3,400
del	LAB	L 2863	6	142,345,801	142,348,401	2,600
del	HAB	H 3147	6	142,845,601	142,856,601	11,000
del	LAB	L 2864	6	142,847,801	142,856,001	8,200
del	HAB	H 3148	6	143,414,801	143,421,401	6,600
del	LAB	L 2865	6	143,415,001	143,421,201	6,200
del	HAB	H 3149	6	143,454,201	143,461,401	7,200
del	LAB	L 2866	6	143,454,201	143,461,601	7,400
del	LAB	L 2867	6	143,648,601	143,657,401	8,800
del	HAB	H 3150	6	143,723,601	143,730,401	6,800
del	LAB	L 2868	6	143,749,401	143,751,401	2,000
del	HAB	H 3151	6	143,832,001	143,835,001	3,000
del	LAB	L 2869	6	143,832,001	143,835,001	3,000
del	LAB	L 2870	6	144,923,801	144,930,201	6,400
del	HAB	H 3152	6	145,732,001	145,735,201	3,200
del	LAB	L 2871	6	145,732,401	145,735,001	2,600
del	HAB	H 3153	6	145,844,201	145,851,801	7,600
del	LAB	L 2872	6	145,844,601	145,852,001	7,400
del	HAB	H 3154	6	145,943,401	145,946,601	3,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2873	6	145,943,601	145,946,201	2,600
del	HAB	H 3155	6	146,638,201	146,643,401	5,200
del	LAB	L 2874	6	146,638,401	146,643,201	4,800
del	HAB	H 3156	6	146,660,801	146,664,001	3,200
del	LAB	L 2875	6	146,661,801	146,664,601	2,800
del	HAB	H 3157	6	146,670,401	146,672,801	2,400
del	HAB	H 3158	6	146,734,401	146,740,601	6,200
del	LAB	L 2876	6	146,735,001	146,740,401	5,400
del	HAB	H 3159	6	146,867,401	146,873,201	5,800
del	LAB	L 2877	6	146,867,401	146,873,401	6,000
del	HAB	H 3160	6	147,025,801	147,028,201	2,400
del	LAB	L 2878	6	147,026,001	147,028,001	2,000
del	HAB	H 3161	6	147,251,801	147,255,001	3,200
del	LAB	L 2879	6	147,252,201	147,254,801	2,600
del	HAB	H 3162	6	147,401,401	147,413,401	12,000
del	LAB	L 2880	6	147,406,001	147,413,201	7,200
del	HAB	H 3163	6	147,498,401	147,503,401	5,000
del	LAB	L 2881	6	147,498,601	147,503,001	4,400
del	LAB	L 2882	6	147,659,801	147,666,001	6,200
del	HAB	H 3164	6	147,842,201	147,856,801	14,600
del	LAB	L 2883	6	147,842,401	147,856,601	14,200
del	HAB	H 3165	6	149,217,601	149,223,401	5,800
del	LAB	L 2884	6	149,218,201	149,223,201	5,000
del	HAB	H 3166	7	3,736,401	3,755,001	18,600
del	LAB	L 2885	7	3,738,001	3,755,001	17,000
del	LAB	L 2886	7	3,836,001	3,845,401	9,400
del	HAB	H 3167	7	3,836,201	3,845,201	9,000
del	LAB	L 2887	7	3,920,601	3,926,801	6,200
del	HAB	H 3168	7	3,921,401	3,926,801	5,400
del	LAB	L 2888	7	3,969,001	3,975,801	6,800
del	HAB	H 3169	7	4,133,001	4,146,601	13,600
del	LAB	L 2889	7	4,133,001	4,145,401	12,400
del	HAB	H 3170	7	4,178,401	4,186,201	7,800
del	LAB	L 2890	7	4,178,601	4,186,201	7,600
del	HAB	H 3171	7	4,228,401	4,242,801	14,400
del	LAB	L 2891	7	4,228,601	4,242,201	13,600
del	HAB	H 3172	7	4,339,601	4,345,001	5,400
del	LAB	L 2892	7	4,340,001	4,344,601	4,600
del	HAB	H 3173	7	4,407,001	4,412,401	5,400
del	LAB	L 2893	7	4,407,001	4,412,001	5,000
del	HAB	H 3174	7	4,512,401	4,541,201	28,800
del	HAB	H 3175	7	5,106,601	5,114,401	7,800
del	LAB	L 2894	7	5,106,801	5,114,601	7,800
del	LAB	L 2895	7	5,146,401	5,167,001	20,600
del	HAB	H 3176	7	5,173,001	5,201,801	28,800
del	LAB	L 2896	7	5,173,201	5,201,601	28,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3177	7	5,218,001	5,227,001	9,000
del	LAB	L 2897	7	5,218,401	5,227,201	8,800
del	LAB	L 2898	7	5,321,601	5,332,001	10,400
del	HAB	H 3178	7	5,324,601	5,331,401	6,800
del	LAB	L 2899	7	5,383,201	5,397,401	14,200
del	HAB	H 3179	7	5,383,601	5,399,601	16,000
del	HAB	H 3180	7	5,468,401	5,529,801	61,400
del	LAB	L 2900	7	5,477,001	5,487,801	10,800
del	LAB	L 2901	7	5,501,401	5,518,001	16,600
del	HAB	H 3181	7	5,540,801	5,549,801	9,000
del	LAB	L 2902	7	5,541,001	5,550,201	9,200
del	HAB	H 3182	7	5,662,201	5,674,401	12,200
del	LAB	L 2903	7	5,736,601	5,744,201	7,600
del	HAB	H 3183	7	5,737,001	5,744,201	7,200
del	LAB	L 2904	7	5,781,001	5,799,201	18,200
del	HAB	H 3184	7	5,782,201	5,799,401	17,200
del	HAB	H 3185	7	5,806,601	5,833,401	26,800
del	LAB	L 2905	7	5,818,601	5,831,001	12,400
del	HAB	H 3186	7	5,943,201	5,956,001	12,800
del	LAB	L 2906	7	5,943,201	5,955,801	12,600
del	LAB	L 2907	7	6,607,001	6,609,601	2,600
del	LAB	L 2908	7	6,960,201	6,967,401	7,200
del	HAB	H 3187	7	6,960,601	6,974,401	13,800
del	HAB	H 3188	7	7,023,601	7,040,601	17,000
del	LAB	L 2909	7	7,032,801	7,040,601	7,800
del	HAB	H 3189	7	7,099,001	7,105,601	6,600
del	HAB	H 3190	7	7,111,601	7,118,401	6,800
del	LAB	L 2910	7	7,112,001	7,118,201	6,200
del	HAB	H 3191	7	7,168,801	7,175,801	7,000
del	LAB	L 2911	7	7,169,201	7,176,001	6,800
del	HAB	H 3192	7	7,360,601	7,366,601	6,000
del	LAB	L 2912	7	7,360,601	7,367,001	6,400
del	LAB	L 2913	7	7,476,001	7,486,801	10,800
del	HAB	H 3193	7	7,477,001	7,487,201	10,200
del	LAB	L 2914	7	7,598,601	7,617,001	18,400
del	HAB	H 3194	7	7,604,001	7,613,801	9,800
del	HAB	H 3195	7	7,750,001	7,762,801	12,800
del	LAB	L 2915	7	7,750,601	7,763,001	12,400
del	HAB	H 3196	7	7,778,801	7,784,601	5,800
del	LAB	L 2916	7	7,779,001	7,785,001	6,000
del	HAB	H 3197	7	7,992,601	7,997,601	5,000
del	LAB	L 2917	7	7,992,801	7,997,401	4,600
del	HAB	H 3198	7	8,330,801	8,339,801	9,000
del	LAB	L 2918	7	8,333,201	8,339,601	6,400
del	LAB	L 2919	7	8,587,001	8,592,601	5,600
del	HAB	H 3199	7	8,649,001	8,662,201	13,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 2920	7	8,649,601	8,662,201	12,600
del	LAB	L 2921	7	8,774,201	8,779,801	5,600
del	HAB	H 3200	7	8,836,401	8,841,401	5,000
del	HAB	H 3201	7	8,921,401	8,927,401	6,000
del	LAB	L 2922	7	8,979,601	8,989,601	10,000
del	HAB	H 3202	7	9,094,601	9,102,401	7,800
del	LAB	L 2923	7	9,095,001	9,101,801	6,800
del	HAB	H 3203	7	9,119,801	9,130,201	10,400
del	LAB	L 2924	7	9,120,601	9,130,601	10,000
del	LAB	L 2925	7	9,272,201	9,284,001	11,800
del	HAB	H 3204	7	9,272,801	9,283,201	10,400
del	HAB	H 3205	7	9,525,601	9,530,801	5,200
del	LAB	L 2926	7	9,731,601	9,737,401	5,800
del	HAB	H 3206	7	9,776,201	9,791,401	15,200
del	LAB	L 2927	7	9,778,601	9,791,601	13,000
del	HAB	H 3207	7	9,807,401	9,816,201	8,800
del	HAB	H 3208	7	9,991,801	10,001,801	10,000
del	LAB	L 2928	7	9,992,601	10,003,001	10,400
del	HAB	H 3209	7	10,333,201	10,341,201	8,000
del	LAB	L 2929	7	10,333,401	10,339,801	6,400
del	HAB	H 3210	7	10,807,601	10,813,001	5,400
del	LAB	L 2930	7	10,808,201	10,813,401	5,200
del	HAB	H 3211	7	10,900,001	10,906,601	6,600
del	HAB	H 3212	7	10,987,001	10,993,401	6,400
del	HAB	H 3213	7	11,056,401	11,067,601	11,200
del	LAB	L 2931	7	11,057,001	11,068,601	11,600
del	LAB	L 2932	7	11,283,601	11,289,401	5,800
del	HAB	H 3214	7	11,284,401	11,289,801	5,400
del	LAB	L 2933	7	11,407,401	11,416,401	9,000
del	HAB	H 3215	7	11,494,601	11,512,601	18,000
del	LAB	L 2934	7	11,494,801	11,502,601	7,800
del	LAB	L 2935	7	11,508,601	11,516,401	7,800
del	HAB	H 3216	7	11,550,601	11,557,001	6,400
del	LAB	L 2936	7	11,550,601	11,557,001	6,400
del	LAB	L 2937	7	11,607,201	11,613,201	6,000
del	LAB	L 2938	7	11,639,801	11,646,401	6,600
del	HAB	H 3217	7	11,724,001	11,729,401	5,400
del	LAB	L 2939	7	11,724,001	11,729,201	5,200
del	HAB	H 3218	7	11,872,601	11,875,601	3,000
del	HAB	H 3219	7	11,942,601	11,949,201	6,600
del	LAB	L 2940	7	11,943,001	11,948,801	5,800
del	LAB	L 2941	7	12,187,201	12,192,401	5,200
del	HAB	H 3220	7	12,229,401	12,237,801	8,400
del	LAB	L 2942	7	12,237,801	12,251,201	13,400
del	LAB	L 2943	7	12,454,801	12,458,601	3,800
del	LAB	L 2944	7	12,596,201	12,602,601	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3221	7	12,596,401	12,602,801	6,400
del	LAB	L 2945	7	12,636,601	12,671,801	35,200
del	HAB	H 3222	7	12,637,201	12,650,401	13,200
del	HAB	H 3223	7	12,655,201	12,670,401	15,200
del	HAB	H 3224	7	12,749,801	12,752,401	2,600
del	LAB	L 2946	7	12,749,801	12,752,401	2,600
del	HAB	H 3225	7	12,821,401	12,837,801	16,400
del	LAB	L 2947	7	12,865,201	12,875,601	10,400
del	LAB	L 2948	7	12,956,201	12,971,001	14,800
del	HAB	H 3226	7	12,956,401	12,971,001	14,600
del	HAB	H 3227	7	13,108,601	13,133,401	24,800
del	LAB	L 2949	7	13,108,801	13,133,401	24,600
del	LAB	L 2950	7	13,150,001	13,162,401	12,400
del	LAB	L 2951	7	13,173,801	13,181,001	7,200
del	LAB	L 2952	7	13,251,801	13,269,801	18,000
del	HAB	H 3228	7	13,253,001	13,267,001	14,000
del	LAB	L 2953	7	13,282,201	13,293,201	11,000
del	HAB	H 3229	7	13,283,801	13,293,801	10,000
del	LAB	L 2954	7	13,807,201	13,825,401	18,200
del	HAB	H 3230	7	13,808,201	13,824,201	16,000
del	HAB	H 3231	7	13,837,201	13,843,801	6,600
del	LAB	L 2955	7	13,837,401	13,843,601	6,200
del	LAB	L 2956	7	13,996,401	14,007,201	10,800
del	HAB	H 3232	7	13,996,801	14,007,001	10,200
del	HAB	H 3233	7	14,071,801	14,091,001	19,200
del	HAB	H 3234	7	14,106,601	14,128,201	21,600
del	LAB	L 2957	7	14,106,601	14,127,001	20,400
del	HAB	H 3235	7	14,173,001	14,179,001	6,000
del	LAB	L 2958	7	14,174,401	14,179,601	5,200
del	HAB	H 3236	7	14,313,401	14,316,601	3,200
del	LAB	L 2959	7	14,343,401	14,354,801	11,400
del	HAB	H 3237	7	14,343,801	14,354,801	11,000
del	HAB	H 3238	7	14,474,401	14,482,401	8,000
del	LAB	L 2960	7	14,474,601	14,479,601	5,000
del	HAB	H 3239	7	14,756,401	14,771,601	15,200
del	LAB	L 2961	7	14,756,601	14,771,401	14,800
del	LAB	L 2962	7	15,286,201	15,297,201	11,000
del	HAB	H 3240	7	15,286,401	15,296,801	10,400
del	HAB	H 3241	7	15,317,801	15,324,401	6,600
del	LAB	L 2963	7	15,318,601	15,328,401	9,800
del	HAB	H 3242	7	15,361,001	15,366,201	5,200
del	LAB	L 2964	7	15,361,001	15,366,201	5,200
del	HAB	H 3243	7	15,432,601	15,443,601	11,000
del	LAB	L 2965	7	15,432,601	15,443,801	11,200
del	LAB	L 2966	7	15,461,201	15,464,001	2,800
del	HAB	H 3244	7	15,492,801	15,498,801	6,000



type	mouse line	no.	chr	start	end	size
del	LAB	L 2967	7	15,493,001	15,499,401	6,400
del	LAB	L 2968	7	15,522,201	15,524,401	2,200
del	LAB	L 2969	7	15,536,801	15,542,801	6,000
del	HAB	H 3245	7	15,537,001	15,543,401	6,400
del	HAB	H 3246	7	15,558,801	15,586,801	28,000
del	LAB	L 2970	7	15,559,001	15,566,201	7,200
del	LAB	L 2971	7	15,571,801	15,587,001	15,200
del	HAB	H 3247	7	15,600,601	15,613,601	13,000
del	LAB	L 2972	7	15,600,601	15,613,201	12,600
del	HAB	H 3248	7	15,648,401	15,658,201	9,800
del	LAB	L 2973	7	15,649,201	15,659,401	10,200
del	HAB	H 3249	7	15,679,801	15,689,001	9,200
del	LAB	L 2974	7	15,680,201	15,689,001	8,800
del	HAB	H 3250	7	16,007,201	16,012,801	5,600
del	LAB	L 2975	7	16,007,601	16,012,801	5,200
del	HAB	H 3251	7	16,046,601	16,058,401	11,800
del	LAB	L 2976	7	16,046,601	16,058,401	11,800
del	HAB	H 3252	7	16,165,601	16,171,001	5,400
del	LAB	L 2977	7	16,179,001	16,188,401	9,400
del	HAB	H 3253	7	16,179,401	16,190,201	10,800
del	HAB	H 3254	7	16,195,401	16,204,001	8,600
del	LAB	L 2978	7	16,195,601	16,204,201	8,600
del	LAB	L 2979	7	16,216,001	16,218,601	2,600
del	HAB	H 3255	7	16,216,601	16,219,001	2,400
del	HAB	H 3256	7	16,262,601	16,273,401	10,800
del	LAB	L 2980	7	16,262,801	16,274,201	11,400
del	LAB	L 2981	7	16,281,001	16,295,201	14,200
del	HAB	H 3257	7	16,285,201	16,297,201	12,000
del	HAB	H 3258	7	16,342,601	16,348,201	5,600
del	LAB	L 2982	7	17,692,001	17,706,601	14,600
del	HAB	H 3259	7	17,692,401	17,707,401	15,000
del	LAB	L 2983	7	17,764,001	17,780,401	16,400
del	HAB	H 3260	7	17,764,601	17,779,201	14,600
del	LAB	L 2984	7	17,805,401	17,834,601	29,200
del	HAB	H 3261	7	17,812,201	17,834,001	21,800
del	HAB	H 3262	7	17,849,401	17,860,601	11,200
del	LAB	L 2985	7	17,850,201	17,861,601	11,400
del	LAB	L 2986	7	17,881,201	17,886,001	4,800
del	HAB	H 3263	7	17,881,401	17,886,401	5,000
del	HAB	H 3264	7	17,960,201	17,969,001	8,800
del	LAB	L 2987	7	17,990,201	17,994,801	4,600
del	HAB	H 3265	7	17,990,401	17,995,601	5,200
del	HAB	H 3266	7	18,123,001	18,128,601	5,600
del	LAB	L 2988	7	18,123,201	18,128,201	5,000
del	HAB	H 3267	7	18,225,801	18,232,401	6,600
del	HAB	H 3268	7	18,278,201	18,284,801	6,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3269	7	18,333,001	18,338,601	5,600
del	LAB	L 2989	7	18,409,201	18,442,401	33,200
del	HAB	H 3270	7	18,409,401	18,442,601	33,200
del	HAB	H 3271	7	18,777,201	18,789,401	12,200
del	LAB	L 2990	7	18,777,401	18,789,201	11,800
del	HAB	H 3272	7	18,895,801	18,904,201	8,400
del	HAB	H 3273	7	19,072,001	19,082,001	10,000
del	HAB	H 3274	7	19,156,601	19,220,801	64,200
del	HAB	H 3275	7	19,282,401	19,293,001	10,600
del	LAB	L 2991	7	19,282,801	19,291,001	8,200
del	HAB	H 3276	7	19,349,001	19,361,401	12,400
del	LAB	L 2992	7	20,482,601	20,488,401	5,800
del	LAB	L 2993	7	20,638,201	20,644,601	6,400
del	HAB	H 3277	7	20,735,001	20,746,801	11,800
del	LAB	L 2994	7	20,735,201	20,746,801	11,600
del	HAB	H 3278	7	20,825,601	20,843,201	17,600
del	HAB	H 3279	7	20,882,801	20,886,001	3,200
del	LAB	L 2995	7	20,968,601	20,995,801	27,200
del	HAB	H 3280	7	20,968,801	20,995,801	27,000
del	HAB	H 3281	7	21,029,801	21,052,001	22,200
del	LAB	L 2996	7	21,029,801	21,052,001	22,200
del	HAB	H 3282	7	21,067,601	21,086,801	19,200
del	LAB	L 2997	7	21,068,001	21,087,801	19,800
del	HAB	H 3283	7	21,134,201	21,154,601	20,400
del	LAB	L 2998	7	21,136,601	21,154,001	17,400
del	HAB	H 3284	7	21,615,001	21,634,601	19,600
del	LAB	L 2999	7	21,615,001	21,623,001	8,000
del	HAB	H 3285	7	21,703,601	21,721,801	18,200
del	LAB	L 3000	7	21,760,601	21,770,201	9,600
del	HAB	H 3286	7	21,761,001	21,770,001	9,000
del	HAB	H 3287	7	21,847,801	21,868,201	20,400
del	LAB	L 3001	7	21,849,001	21,856,801	7,800
del	HAB	H 3288	7	21,901,001	21,909,401	8,400
del	LAB	L 3002	7	21,901,201	21,911,001	9,800
del	HAB	H 3289	7	22,030,001	22,039,601	9,600
del	LAB	L 3003	7	22,030,001	22,036,401	6,400
del	LAB	L 3004	7	22,184,401	22,202,401	18,000
del	HAB	H 3290	7	22,186,001	22,209,401	23,400
del	HAB	H 3291	7	22,565,001	22,572,201	7,200
del	LAB	L 3005	7	22,565,201	22,572,401	7,200
del	HAB	H 3292	7	22,681,401	22,684,001	2,600
del	HAB	H 3293	7	22,748,801	22,771,601	22,800
del	HAB	H 3294	7	22,932,801	22,941,801	9,000
del	LAB	L 3006	7	22,933,201	22,942,001	8,800
del	HAB	H 3295	7	23,021,201	23,038,201	17,000
del	LAB	L 3007	7	23,078,001	23,087,201	9,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3296	7	23,078,201	23,087,801	9,600
del	LAB	L 3008	7	23,164,201	23,191,001	26,800
del	HAB	H 3297	7	23,173,801	23,191,201	17,400
del	HAB	H 3298	7	23,225,201	23,240,601	15,400
del	LAB	L 3009	7	23,256,401	23,276,601	20,200
del	HAB	H 3299	7	23,259,401	23,276,601	17,200
del	HAB	H 3300	7	23,325,001	23,343,401	18,400
del	LAB	L 3010	7	23,325,001	23,341,001	16,000
del	HAB	H 3301	7	23,557,401	23,563,601	6,200
del	HAB	H 3302	7	23,610,801	23,617,801	7,000
del	LAB	L 3011	7	23,611,001	23,620,401	9,400
del	HAB	H 3303	7	23,671,601	23,684,001	12,400
del	HAB	H 3304	7	23,788,401	23,795,201	6,800
del	LAB	L 3012	7	23,788,601	23,796,001	7,400
del	LAB	L 3013	7	23,826,801	23,832,001	5,200
del	HAB	H 3305	7	23,828,801	23,838,401	9,600
del	HAB	H 3306	7	23,897,601	23,907,401	9,800
del	LAB	L 3014	7	23,897,801	23,907,401	9,600
del	HAB	H 3307	7	23,941,201	23,954,601	13,400
del	LAB	L 3015	7	23,947,801	23,955,801	8,000
del	LAB	L 3016	7	24,189,201	24,193,201	4,000
del	HAB	H 3308	7	24,279,601	24,284,001	4,400
del	LAB	L 3017	7	24,279,801	24,283,801	4,000
del	HAB	H 3309	7	24,368,801	24,380,801	12,000
del	LAB	L 3018	7	24,369,601	24,381,001	11,400
del	HAB	H 3310	7	24,516,401	24,523,401	7,000
del	HAB	H 3311	7	24,578,601	24,584,001	5,400
del	LAB	L 3019	7	24,578,601	24,584,401	5,800
del	LAB	L 3020	7	24,660,201	24,668,401	8,200
del	HAB	H 3312	7	24,661,201	24,668,601	7,400
del	LAB	L 3021	7	24,795,601	24,801,001	5,400
del	LAB	L 3022	7	24,811,401	24,820,401	9,000
del	HAB	H 3313	7	24,812,401	24,819,201	6,800
del	HAB	H 3314	7	26,904,601	26,915,001	10,400
del	LAB	L 3023	7	26,904,601	26,914,601	10,000
del	HAB	H 3315	7	27,058,401	27,072,001	13,600
del	LAB	L 3024	7	27,058,401	27,071,801	13,400
del	HAB	H 3316	7	27,430,001	27,443,601	13,600
del	LAB	L 3025	7	27,430,401	27,443,401	13,000
del	HAB	H 3317	7	27,872,601	27,878,801	6,200
del	LAB	L 3026	7	27,872,801	27,881,401	8,600
del	HAB	H 3318	7	30,373,001	30,378,401	5,400
del	LAB	L 3027	7	30,373,001	30,378,201	5,200
del	HAB	H 3319	7	30,400,401	30,408,601	8,200
del	LAB	L 3028	7	30,446,201	30,452,801	6,600
del	HAB	H 3320	7	30,446,401	30,453,201	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3321	7	30,711,801	30,715,801	4,000
del	LAB	L 3029	7	30,711,801	30,715,801	4,000
del	HAB	H 3322	7	31,170,401	31,177,401	7,000
del	LAB	L 3030	7	31,170,401	31,177,201	6,800
del	HAB	H 3323	7	31,473,801	31,482,201	8,400
del	HAB	H 3324	7	31,523,801	31,528,601	4,800
del	LAB	L 3031	7	31,523,801	31,528,601	4,800
del	HAB	H 3325	7	31,719,201	31,725,201	6,000
del	LAB	L 3032	7	31,719,801	31,725,401	5,600
del	HAB	H 3326	7	32,002,801	32,010,601	7,800
del	LAB	L 3033	7	32,003,801	32,012,201	8,400
del	HAB	H 3327	7	32,056,601	32,066,801	10,200
del	LAB	L 3034	7	32,056,601	32,066,801	10,200
del	HAB	H 3328	7	32,150,201	32,157,401	7,200
del	LAB	L 3035	7	32,150,401	32,157,201	6,800
del	LAB	L 3036	7	32,166,601	32,174,001	7,400
del	HAB	H 3329	7	32,167,201	32,174,201	7,000
del	HAB	H 3330	7	32,338,201	32,344,401	6,200
del	LAB	L 3037	7	32,338,601	32,344,401	5,800
del	HAB	H 3331	7	32,377,201	32,385,601	8,400
del	HAB	H 3332	7	32,863,401	32,867,801	4,400
del	LAB	L 3038	7	32,863,601	32,867,601	4,000
del	HAB	H 3333	7	32,909,201	32,918,001	8,800
del	LAB	L 3039	7	32,909,601	32,918,001	8,400
del	HAB	H 3334	7	32,969,601	32,983,801	14,200
del	LAB	L 3040	7	32,970,001	32,983,801	13,800
del	HAB	H 3335	7	33,054,401	33,082,601	28,200
del	LAB	L 3041	7	33,054,401	33,075,601	21,200
del	LAB	L 3042	7	33,418,201	33,426,401	8,200
del	HAB	H 3336	7	33,419,401	33,426,601	7,200
del	HAB	H 3337	7	33,592,401	33,600,001	7,600
del	HAB	H 3338	7	33,637,801	33,645,601	7,800
del	LAB	L 3043	7	33,638,001	33,645,601	7,600
del	HAB	H 3339	7	33,819,801	33,827,001	7,200
del	HAB	H 3340	7	33,864,801	33,869,401	4,600
del	LAB	L 3044	7	33,865,201	33,869,401	4,200
del	HAB	H 3341	7	33,875,201	33,883,601	8,400
del	LAB	L 3045	7	33,875,201	33,883,801	8,600
del	HAB	H 3342	7	33,935,801	33,945,401	9,600
del	LAB	L 3046	7	33,936,001	33,945,201	9,200
del	HAB	H 3343	7	34,016,601	34,035,401	18,800
del	LAB	L 3047	7	34,017,001	34,029,401	12,400
del	HAB	H 3344	7	34,189,601	34,194,401	4,800
del	LAB	L 3048	7	34,189,801	34,194,201	4,400
del	LAB	L 3049	7	34,253,401	34,260,001	6,600
del	HAB	H 3345	7	34,254,001	34,260,401	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3050	7	34,288,201	34,301,201	13,000
del	HAB	H 3346	7	34,290,001	34,301,201	11,200
del	HAB	H 3347	7	34,330,801	34,340,001	9,200
del	LAB	L 3051	7	34,330,801	34,339,601	8,800
del	HAB	H 3348	7	34,535,201	34,549,801	14,600
del	LAB	L 3052	7	34,535,401	34,549,401	14,000
del	HAB	H 3349	7	34,652,601	34,656,601	4,000
del	LAB	L 3053	7	34,652,601	34,656,401	3,800
del	HAB	H 3350	7	34,734,401	34,742,001	7,600
del	LAB	L 3054	7	34,734,601	34,741,601	7,000
del	LAB	L 3055	7	34,759,601	34,777,601	18,000
del	HAB	H 3351	7	34,760,201	34,773,601	13,400
del	HAB	H 3352	7	34,816,201	34,834,001	17,800
del	LAB	L 3056	7	34,816,401	34,834,001	17,600
del	HAB	H 3353	7	34,856,401	34,871,401	15,000
del	LAB	L 3057	7	34,856,401	34,868,601	12,200
del	HAB	H 3354	7	34,876,201	34,880,401	4,200
del	LAB	L 3058	7	34,876,601	34,880,001	3,400
del	HAB	H 3355	7	35,309,601	35,316,401	6,800
del	HAB	H 3356	7	37,821,601	37,828,601	7,000
del	LAB	L 3059	7	37,822,001	37,828,401	6,400
del	HAB	H 3357	7	37,948,401	37,951,801	3,400
del	HAB	H 3358	7	38,966,001	38,968,001	2,000
del	HAB	H 3359	7	39,084,201	39,091,001	6,800
del	HAB	H 3360	7	39,120,601	39,142,601	22,000
del	LAB	L 3060	7	39,122,401	39,140,401	18,000
del	HAB	H 3361	7	39,240,801	39,245,601	4,800
del	HAB	H 3362	7	39,340,001	39,346,401	6,400
del	HAB	H 3363	7	46,362,601	46,369,801	7,200
del	HAB	H 3364	7	46,546,201	46,552,401	6,200
del	HAB	H 3365	7	46,599,201	46,611,201	12,000
del	HAB	H 3366	7	46,626,401	46,647,001	20,600
del	HAB	H 3367	7	46,672,201	46,681,401	9,200
del	LAB	L 3061	7	46,761,201	46,770,801	9,600
del	HAB	H 3368	7	46,764,001	46,770,601	6,600
del	HAB	H 3369	7	46,843,801	46,846,801	3,000
del	LAB	L 3062	7	46,844,001	46,846,601	2,600
del	HAB	H 3370	7	46,939,201	46,945,801	6,600
del	LAB	L 3063	7	46,939,401	46,945,601	6,200
del	HAB	H 3371	7	47,033,401	47,038,401	5,000
del	LAB	L 3064	7	47,033,601	47,038,001	4,400
del	HAB	H 3372	7	47,363,801	47,370,601	6,800
del	LAB	L 3065	7	47,363,801	47,370,401	6,600
del	HAB	H 3373	7	47,486,801	47,493,401	6,600
del	LAB	L 3066	7	47,487,201	47,493,201	6,000
del	HAB	H 3374	7	48,270,601	48,294,801	24,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3067	7	48,427,401	48,430,601	3,200
del	HAB	H 3375	7	48,489,201	48,502,401	13,200
del	LAB	L 3068	7	48,673,001	48,704,201	31,200
del	HAB	H 3376	7	48,682,801	48,704,201	21,400
del	HAB	H 3377	7	48,791,001	48,793,601	2,600
del	HAB	H 3378	7	49,049,001	49,073,801	24,800
del	LAB	L 3069	7	49,049,201	49,071,401	22,200
del	HAB	H 3379	7	49,097,201	49,110,001	12,800
del	LAB	L 3070	7	49,097,201	49,109,601	12,400
del	LAB	L 3071	7	49,148,001	49,168,801	20,800
del	HAB	H 3380	7	49,148,801	49,168,601	19,800
del	HAB	H 3381	7	49,417,601	49,425,601	8,000
del	LAB	L 3072	7	49,417,601	49,424,401	6,800
del	HAB	H 3382	7	49,455,201	49,467,601	12,400
del	LAB	L 3073	7	49,455,801	49,467,801	12,000
del	HAB	H 3383	7	49,616,401	49,638,001	21,600
del	LAB	L 3074	7	50,093,801	50,103,801	10,000
del	LAB	L 3075	7	50,139,001	50,147,001	8,000
del	HAB	H 3384	7	50,143,601	50,147,201	3,600
del	HAB	H 3385	7	50,348,601	50,357,801	9,200
del	HAB	H 3386	7	50,386,001	50,402,801	16,800
del	LAB	L 3076	7	50,386,201	50,401,801	15,600
del	HAB	H 3387	7	50,915,401	50,917,801	2,400
del	HAB	H 3388	7	51,257,801	51,290,201	32,400
del	HAB	H 3389	7	51,405,001	51,418,001	13,000
del	LAB	L 3077	7	51,405,601	51,417,801	12,200
del	HAB	H 3390	7	54,434,801	54,441,601	6,800
del	LAB	L 3078	7	54,435,001	54,441,601	6,600
del	HAB	H 3391	7	54,529,001	54,541,401	12,400
del	LAB	L 3079	7	54,529,801	54,540,601	10,800
del	HAB	H 3392	7	54,659,001	54,675,601	16,600
del	HAB	H 3393	7	54,760,601	54,773,001	12,400
del	LAB	L 3080	7	54,760,601	54,775,401	14,800
del	HAB	H 3394	7	54,815,001	54,840,401	25,400
del	LAB	L 3081	7	54,815,001	54,836,001	21,000
del	HAB	H 3395	7	54,874,201	54,882,001	7,800
del	HAB	H 3396	7	54,891,001	54,985,801	94,800
del	LAB	L 3082	7	54,895,201	54,978,001	82,800
del	HAB	H 3397	7	55,045,601	55,076,401	30,800
del	LAB	L 3083	7	55,139,201	55,162,001	22,800
del	HAB	H 3398	7	55,140,601	55,160,601	20,000
del	HAB	H 3399	7	55,357,801	55,361,001	3,200
del	LAB	L 3084	7	55,358,001	55,360,601	2,600
del	HAB	H 3400	7	55,506,001	55,512,601	6,600
del	LAB	L 3085	7	55,506,001	55,512,401	6,400
del	HAB	H 3401	7	55,517,601	55,648,801	131,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3086	7	55,517,601	55,687,001	169,400
del	HAB	H 3402	7	55,658,001	55,687,001	29,000
del	LAB	L 3087	7	55,713,401	55,716,001	2,600
del	HAB	H 3403	7	55,713,601	55,716,401	2,800
del	HAB	H 3404	7	55,742,601	55,748,001	5,400
del	LAB	L 3088	7	55,743,001	55,747,801	4,800
del	LAB	L 3089	7	55,795,601	55,803,401	7,800
del	HAB	H 3405	7	55,796,201	55,803,401	7,200
del	HAB	H 3406	7	55,881,601	55,901,601	20,000
del	LAB	L 3090	7	55,885,201	55,901,801	16,600
del	HAB	H 3407	7	55,949,801	55,965,001	15,200
del	LAB	L 3091	7	55,988,601	55,999,401	10,800
del	HAB	H 3408	7	55,993,601	55,999,201	5,600
del	HAB	H 3409	7	57,451,401	57,457,801	6,400
del	LAB	L 3092	7	57,451,401	57,457,801	6,400
del	HAB	H 3410	7	57,487,801	57,495,401	7,600
del	LAB	L 3093	7	57,487,801	57,495,001	7,200
del	HAB	H 3411	7	57,620,201	57,629,401	9,200
del	LAB	L 3094	7	57,779,801	57,789,201	9,400
del	HAB	H 3412	7	57,783,601	57,789,201	5,600
del	HAB	H 3413	7	58,376,001	58,385,801	9,800
del	LAB	L 3095	7	58,376,001	58,386,201	10,200
del	HAB	H 3414	7	58,527,201	58,532,601	5,400
del	LAB	L 3096	7	58,527,801	58,532,401	4,600
del	HAB	H 3415	7	58,674,401	58,680,201	5,800
del	LAB	L 3097	7	58,674,801	58,680,201	5,400
del	HAB	H 3416	7	58,724,201	58,734,201	10,000
del	LAB	L 3098	7	58,724,201	58,733,801	9,600
del	HAB	H 3417	7	59,056,801	59,067,401	10,600
del	LAB	L 3099	7	59,056,801	59,067,001	10,200
del	LAB	L 3100	7	60,031,601	60,062,001	30,400
del	HAB	H 3418	7	60,031,801	60,062,201	30,400
del	HAB	H 3419	7	60,071,401	60,078,001	6,600
del	LAB	L 3101	7	60,071,601	60,092,601	21,000
del	HAB	H 3420	7	60,084,801	60,093,001	8,200
del	HAB	H 3421	7	60,105,001	60,113,801	8,800
del	LAB	L 3102	7	60,105,001	60,120,401	15,400
del	HAB	H 3422	7	60,197,001	60,212,601	15,600
del	LAB	L 3103	7	60,201,801	60,212,201	10,400
del	HAB	H 3423	7	60,379,201	60,403,601	24,400
del	LAB	L 3104	7	60,379,801	60,404,001	24,200
del	HAB	H 3424	7	60,636,201	60,650,601	14,400
del	LAB	L 3105	7	60,636,801	60,650,601	13,800
del	HAB	H 3425	7	60,718,201	60,720,401	2,200
del	HAB	H 3426	7	60,728,001	60,731,601	3,600
del	LAB	L 3106	7	60,728,401	60,731,401	3,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3427	7	60,893,801	60,902,201	8,400
del	LAB	L 3107	7	60,893,801	60,902,201	8,400
del	HAB	H 3428	7	61,077,001	61,082,001	5,000
del	LAB	L 3108	7	61,077,201	61,082,001	4,800
del	HAB	H 3429	7	61,111,001	61,120,801	9,800
del	LAB	L 3109	7	61,111,601	61,118,601	7,000
del	HAB	H 3430	7	61,258,201	61,265,601	7,400
del	HAB	H 3431	7	61,342,001	61,349,001	7,000
del	LAB	L 3110	7	61,342,201	61,349,001	6,800
del	HAB	H 3432	7	61,781,001	61,788,001	7,000
del	LAB	L 3111	7	61,781,401	61,788,001	6,600
del	HAB	H 3433	7	62,178,201	62,185,601	7,400
del	LAB	L 3112	7	62,178,601	62,185,201	6,600
del	HAB	H 3434	7	62,194,201	62,201,401	7,200
del	LAB	L 3113	7	62,194,601	62,201,201	6,600
del	HAB	H 3435	7	62,217,001	62,227,001	10,000
del	LAB	L 3114	7	62,217,401	62,227,001	9,600
del	HAB	H 3436	7	62,687,601	62,693,601	6,000
del	LAB	L 3115	7	62,688,001	62,693,401	5,400
del	HAB	H 3437	7	62,709,201	62,718,001	8,800
del	LAB	L 3116	7	62,709,601	62,717,801	8,200
del	LAB	L 3117	7	62,852,601	62,856,201	3,600
del	HAB	H 3438	7	62,873,601	62,883,001	9,400
del	LAB	L 3118	7	62,873,801	62,883,001	9,200
del	LAB	L 3119	7	62,910,001	62,922,601	12,600
del	HAB	H 3439	7	62,910,201	62,922,401	12,200
del	HAB	H 3440	7	62,937,201	62,955,001	17,800
del	LAB	L 3120	7	62,937,801	62,954,801	17,000
del	HAB	H 3441	7	63,202,001	63,209,401	7,400
del	LAB	L 3121	7	63,202,401	63,209,201	6,800
del	HAB	H 3442	7	63,280,601	63,293,401	12,800
del	LAB	L 3122	7	63,281,001	63,293,401	12,400
del	HAB	H 3443	7	63,330,401	63,337,001	6,600
del	LAB	L 3123	7	63,330,601	63,336,801	6,200
del	HAB	H 3444	7	64,024,601	64,032,001	7,400
del	LAB	L 3124	7	64,024,801	64,032,001	7,200
del	HAB	H 3445	7	64,370,201	64,374,601	4,400
del	LAB	L 3125	7	64,370,601	64,374,401	3,800
del	LAB	L 3126	7	64,616,601	64,629,801	13,200
del	HAB	H 3446	7	64,616,801	64,630,001	13,200
del	HAB	H 3447	7	65,311,801	65,326,601	14,800
del	LAB	L 3127	7	65,312,001	65,326,201	14,200
del	HAB	H 3448	7	65,422,601	65,427,001	4,400
del	LAB	L 3128	7	65,422,801	65,426,801	4,000
del	HAB	H 3449	7	65,778,401	65,790,401	12,000
del	LAB	L 3129	7	65,778,401	65,791,801	13,400



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3450	7	66,145,201	66,150,001	4,800
del	LAB	L 3130	7	66,145,601	66,149,801	4,200
del	HAB	H 3451	7	66,315,201	66,318,801	3,600
del	LAB	L 3131	7	66,315,601	66,318,401	2,800
del	HAB	H 3452	7	66,352,201	66,355,801	3,600
del	LAB	L 3132	7	66,352,601	66,355,401	2,800
del	LAB	L 3133	7	66,599,401	66,873,401	274,000
del	HAB	H 3453	7	66,603,001	66,873,201	270,200
del	HAB	H 3454	7	66,927,401	66,948,601	21,200
del	LAB	L 3134	7	66,928,401	66,948,401	20,000
del	HAB	H 3455	7	66,954,001	67,063,001	109,000
del	LAB	L 3135	7	66,954,001	67,050,001	96,000
del	LAB	L 3136	7	67,055,001	67,063,001	8,000
del	LAB	L 3137	7	67,348,801	67,353,801	5,000
del	HAB	H 3456	7	67,464,001	67,470,201	6,200
del	LAB	L 3138	7	67,464,001	67,469,801	5,800
del	LAB	L 3139	7	67,493,201	67,499,201	6,000
del	HAB	H 3457	7	67,493,601	67,498,601	5,000
del	HAB	H 3458	7	67,599,001	67,608,801	9,800
del	LAB	L 3140	7	67,599,001	67,608,201	9,200
del	LAB	L 3141	7	67,713,601	67,718,401	4,800
del	HAB	H 3459	7	67,713,801	67,718,601	4,800
del	HAB	H 3460	7	67,851,401	67,853,401	2,000
del	HAB	H 3461	7	67,935,801	67,944,401	8,600
del	LAB	L 3142	7	67,936,001	67,944,601	8,600
del	HAB	H 3462	7	68,491,001	68,517,801	26,800
del	LAB	L 3143	7	68,491,401	68,517,401	26,000
del	LAB	L 3144	7	68,576,601	68,588,801	12,200
del	HAB	H 3463	7	68,577,401	68,589,001	11,600
del	HAB	H 3464	7	68,879,401	68,889,001	9,600
del	LAB	L 3145	7	68,879,601	68,888,001	8,400
del	HAB	H 3465	7	69,692,801	69,707,001	14,200
del	LAB	L 3146	7	69,692,801	69,706,801	14,000
del	HAB	H 3466	7	69,762,401	69,771,401	9,000
del	LAB	L 3147	7	69,765,001	69,771,401	6,400
del	HAB	H 3467	7	69,808,801	69,819,801	11,000
del	LAB	L 3148	7	69,809,001	69,819,601	10,600
del	LAB	L 3149	7	69,871,001	69,881,401	10,400
del	HAB	H 3468	7	69,871,201	69,882,801	11,600
del	LAB	L 3150	7	70,003,401	70,010,601	7,200
del	HAB	H 3469	7	70,003,601	70,011,401	7,800
del	HAB	H 3470	7	70,538,401	70,544,001	5,600
del	LAB	L 3151	7	70,538,601	70,544,401	5,800
del	HAB	H 3471	7	71,219,601	71,234,001	14,400
del	LAB	L 3152	7	71,219,601	71,234,601	15,000
del	HAB	H 3472	7	71,610,401	71,641,201	30,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3153	7	71,610,601	71,641,201	30,600
del	HAB	H 3473	7	71,745,201	71,762,801	17,600
del	LAB	L 3154	7	71,745,601	71,762,601	17,000
del	HAB	H 3474	7	72,332,601	72,339,201	6,600
del	LAB	L 3155	7	72,332,601	72,338,801	6,200
del	HAB	H 3475	7	72,864,001	72,871,601	7,600
del	LAB	L 3156	7	73,459,001	73,466,201	7,200
del	HAB	H 3476	7	73,680,201	73,687,001	6,800
del	LAB	L 3157	7	73,680,401	73,686,801	6,400
del	HAB	H 3477	7	74,560,001	74,563,001	3,000
del	LAB	L 3158	7	74,560,201	74,562,801	2,600
del	LAB	L 3159	7	75,924,201	75,935,001	10,800
del	HAB	H 3478	7	76,507,201	76,515,001	7,800
del	LAB	L 3160	7	76,509,601	76,514,601	5,000
del	HAB	H 3479	7	76,573,601	76,580,201	6,600
del	LAB	L 3161	7	76,574,201	76,580,201	6,000
del	HAB	H 3480	7	77,822,801	77,829,601	6,800
del	LAB	L 3162	7	77,823,201	77,829,201	6,000
del	HAB	H 3481	7	77,902,801	77,909,801	7,000
del	LAB	L 3163	7	77,903,001	77,909,801	6,800
del	LAB	L 3164	7	78,959,601	78,970,001	10,400
del	HAB	H 3482	7	78,959,801	78,970,001	10,200
del	HAB	H 3483	7	79,116,001	79,129,401	13,400
del	LAB	L 3165	7	79,116,201	79,129,201	13,000
del	HAB	H 3484	7	79,267,801	79,270,601	2,800
del	LAB	L 3166	7	79,268,401	79,270,401	2,000
del	LAB	L 3167	7	79,785,801	79,805,401	19,600
del	HAB	H 3485	7	79,786,001	79,805,401	19,400
del	HAB	H 3486	7	80,069,001	80,084,801	15,800
del	LAB	L 3168	7	80,072,001	80,084,801	12,800
del	HAB	H 3487	7	80,319,801	80,327,201	7,400
del	LAB	L 3169	7	80,320,201	80,326,801	6,600
del	HAB	H 3488	7	81,944,201	81,953,601	9,400
del	LAB	L 3170	7	81,944,201	81,953,401	9,200
del	HAB	H 3489	7	82,070,601	82,074,201	3,600
del	LAB	L 3171	7	82,070,801	82,074,001	3,200
del	HAB	H 3490	7	82,100,201	82,107,001	6,800
del	LAB	L 3172	7	82,100,201	82,106,801	6,600
del	HAB	H 3491	7	82,325,601	82,332,401	6,800
del	LAB	L 3173	7	82,325,801	82,332,001	6,200
del	HAB	H 3492	7	82,686,401	82,692,801	6,400
del	LAB	L 3174	7	82,686,601	82,692,401	5,800
del	HAB	H 3493	7	82,953,001	82,971,401	18,400
del	LAB	L 3175	7	82,955,001	82,971,401	16,400
del	LAB	L 3176	7	82,982,601	82,985,801	3,200
del	HAB	H 3494	7	83,117,801	83,124,601	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3177	7	83,118,201	83,124,401	6,200
del	HAB	H 3495	7	83,134,001	83,143,001	9,000
del	LAB	L 3178	7	83,134,201	83,142,601	8,400
del	LAB	L 3179	7	83,159,201	83,172,801	13,600
del	HAB	H 3496	7	83,186,001	83,189,001	3,000
del	LAB	L 3180	7	83,186,001	83,188,801	2,800
del	LAB	L 3181	7	83,212,401	83,224,001	11,600
del	HAB	H 3497	7	83,213,001	83,224,001	11,000
del	HAB	H 3498	7	83,341,201	83,347,401	6,200
del	LAB	L 3182	7	83,341,601	83,347,201	5,600
del	LAB	L 3183	7	83,386,601	83,391,401	4,800
del	HAB	H 3499	7	83,386,801	83,394,601	7,800
del	HAB	H 3500	7	83,716,601	83,722,601	6,000
del	LAB	L 3184	7	83,716,801	83,722,801	6,000
del	HAB	H 3501	7	83,965,001	83,984,401	19,400
del	LAB	L 3185	7	83,972,201	83,977,801	5,600
del	LAB	L 3186	7	84,357,201	84,364,201	7,000
del	HAB	H 3502	7	84,357,401	84,364,601	7,200
del	LAB	L 3187	7	85,097,201	85,105,001	7,800
del	HAB	H 3503	7	85,097,401	85,105,201	7,800
del	HAB	H 3504	7	86,043,801	86,046,601	2,800
del	LAB	L 3188	7	86,044,201	86,046,601	2,400
del	HAB	H 3505	7	86,481,601	86,487,601	6,000
del	LAB	L 3189	7	86,482,001	86,487,601	5,600
del	HAB	H 3506	7	86,812,601	86,837,801	25,200
del	HAB	H 3507	7	89,295,201	89,306,601	11,400
del	LAB	L 3190	7	89,295,201	89,314,801	19,600
del	HAB	H 3508	7	89,395,601	89,399,001	3,400
del	LAB	L 3191	7	89,395,801	89,398,801	3,000
del	HAB	H 3509	7	89,616,601	89,622,801	6,200
del	LAB	L 3192	7	89,616,601	89,622,401	5,800
del	HAB	H 3510	7	89,885,601	89,890,401	4,800
del	LAB	L 3193	7	89,885,601	89,890,201	4,600
del	HAB	H 3511	7	90,414,601	90,428,201	13,600
del	LAB	L 3194	7	90,415,001	90,421,801	6,800
del	HAB	H 3512	7	90,556,401	90,572,801	16,400
del	LAB	L 3195	7	90,556,401	90,572,801	16,400
del	HAB	H 3513	7	91,072,001	91,077,401	5,400
del	LAB	L 3196	7	91,072,201	91,077,201	5,000
del	HAB	H 3514	7	91,609,601	91,626,801	17,200
del	LAB	L 3197	7	91,609,801	91,627,401	17,600
del	HAB	H 3515	7	91,937,201	91,943,601	6,400
del	LAB	L 3198	7	91,937,801	91,943,601	5,800
del	HAB	H 3516	7	92,012,201	92,016,601	4,400
del	HAB	H 3517	7	92,166,401	92,175,601	9,200
del	LAB	L 3199	7	92,166,601	92,175,801	9,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3518	7	92,198,201	92,206,201	8,000
del	LAB	L 3200	7	92,198,201	92,206,001	7,800
del	HAB	H 3519	7	92,245,401	92,251,001	5,600
del	LAB	L 3201	7	92,245,601	92,250,801	5,200
del	HAB	H 3520	7	92,326,001	92,336,201	10,200
del	LAB	L 3202	7	92,326,201	92,333,001	6,800
del	HAB	H 3521	7	92,358,601	92,365,401	6,800
del	LAB	L 3203	7	92,359,401	92,365,201	5,800
del	HAB	H 3522	7	92,509,201	92,527,201	18,000
del	LAB	L 3204	7	92,509,601	92,527,001	17,400
del	HAB	H 3523	7	92,535,801	92,542,601	6,800
del	LAB	L 3205	7	92,536,201	92,542,401	6,200
del	LAB	L 3206	7	92,907,801	92,915,201	7,400
del	HAB	H 3524	7	92,908,201	92,915,401	7,200
del	HAB	H 3525	7	93,073,001	93,088,001	15,000
del	LAB	L 3207	7	93,073,001	93,082,401	9,400
del	HAB	H 3526	7	93,254,401	93,267,001	12,600
del	HAB	H 3527	7	93,565,401	93,572,801	7,400
del	LAB	L 3208	7	93,565,401	93,572,801	7,400
del	HAB	H 3528	7	93,979,801	93,983,201	3,400
del	LAB	L 3209	7	93,980,001	93,983,201	3,200
del	HAB	H 3529	7	94,131,801	94,140,001	8,200
del	LAB	L 3210	7	94,132,801	94,139,601	6,800
del	HAB	H 3530	7	94,525,601	94,533,201	7,600
del	LAB	L 3211	7	94,525,601	94,532,801	7,200
del	HAB	H 3531	7	94,763,401	94,771,801	8,400
del	LAB	L 3212	7	94,763,401	94,771,801	8,400
del	LAB	L 3213	7	95,137,401	95,145,801	8,400
del	HAB	H 3532	7	95,137,601	95,146,001	8,400
del	LAB	L 3214	7	95,818,201	95,823,001	4,800
del	HAB	H 3533	7	95,818,401	95,823,601	5,200
del	HAB	H 3534	7	95,987,001	95,992,401	5,400
del	LAB	L 3215	7	95,987,001	95,992,401	5,400
del	HAB	H 3535	7	96,033,801	96,039,001	5,200
del	LAB	L 3216	7	96,033,801	96,039,201	5,400
del	HAB	H 3536	7	96,142,001	96,149,001	7,000
del	LAB	L 3217	7	96,142,201	96,148,801	6,600
del	HAB	H 3537	7	96,717,201	96,722,601	5,400
del	LAB	L 3218	7	96,717,201	96,729,001	11,800
del	HAB	H 3538	7	96,831,601	96,842,001	10,400
del	LAB	L 3219	7	96,832,001	96,842,001	10,000
del	HAB	H 3539	7	96,846,801	96,854,001	7,200
del	LAB	L 3220	7	96,846,801	96,854,001	7,200
del	HAB	H 3540	7	96,899,801	96,907,601	7,800
del	HAB	H 3541	7	96,967,201	96,974,601	7,400
del	LAB	L 3221	7	96,967,201	96,974,401	7,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3542	7	97,006,201	97,013,001	6,800
del	LAB	L 3222	7	97,006,601	97,012,601	6,000
del	HAB	H 3543	7	97,561,601	97,566,401	4,800
del	LAB	L 3223	7	97,561,601	97,566,401	4,800
del	HAB	H 3544	7	97,675,401	97,682,401	7,000
del	LAB	L 3224	7	97,675,801	97,682,401	6,600
del	HAB	H 3545	7	98,006,601	98,018,201	11,600
del	LAB	L 3225	7	98,006,601	98,018,001	11,400
del	HAB	H 3546	7	98,890,401	98,897,001	6,600
del	LAB	L 3226	7	99,219,001	99,231,001	12,000
del	HAB	H 3547	7	99,219,601	99,231,001	11,400
del	HAB	H 3548	7	99,373,401	99,381,001	7,600
del	LAB	L 3227	7	99,373,601	99,380,801	7,200
del	LAB	L 3228	7	99,498,801	99,504,801	6,000
del	HAB	H 3549	7	99,499,001	99,505,001	6,000
del	HAB	H 3550	7	99,935,601	99,943,001	7,400
del	LAB	L 3229	7	99,935,801	99,942,601	6,800
del	HAB	H 3551	7	100,261,801	100,265,201	3,400
del	LAB	L 3230	7	100,261,801	100,265,001	3,200
del	HAB	H 3552	7	100,288,401	100,294,801	6,400
del	HAB	H 3553	7	100,344,001	100,368,401	24,400
del	LAB	L 3231	7	100,344,001	100,368,201	24,200
del	HAB	H 3554	7	100,668,001	100,684,801	16,800
del	LAB	L 3232	7	100,668,001	100,686,601	18,600
del	HAB	H 3555	7	100,892,401	100,899,401	7,000
del	LAB	L 3233	7	100,892,401	100,903,801	11,400
del	HAB	H 3556	7	101,441,201	101,448,001	6,800
del	HAB	H 3557	7	101,532,601	101,541,801	9,200
del	LAB	L 3234	7	101,532,601	101,541,801	9,200
del	LAB	L 3235	7	101,775,201	101,781,201	6,000
del	HAB	H 3558	7	101,775,801	101,781,201	5,400
del	HAB	H 3559	7	101,990,801	101,997,801	7,000
del	LAB	L 3236	7	101,991,201	101,998,001	6,800
del	HAB	H 3560	7	102,066,001	102,067,801	1,800
del	HAB	H 3561	7	102,132,001	102,137,601	5,600
del	LAB	L 3237	7	102,132,201	102,137,401	5,200
del	HAB	H 3562	7	102,210,001	102,224,801	14,800
del	LAB	L 3238	7	102,210,001	102,224,801	14,800
del	HAB	H 3563	7	102,324,801	102,336,201	11,400
del	LAB	L 3239	7	102,325,001	102,336,001	11,000
del	LAB	L 3240	7	102,550,401	102,558,001	7,600
del	HAB	H 3564	7	102,551,001	102,558,201	7,200
del	HAB	H 3565	7	103,157,201	103,160,801	3,600
del	LAB	L 3241	7	103,157,401	103,160,601	3,200
del	HAB	H 3566	7	103,210,001	103,218,801	8,800
del	LAB	L 3242	7	103,210,001	103,218,801	8,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3567	7	103,466,001	103,473,601	7,600
del	LAB	L 3243	7	103,466,201	103,473,201	7,000
del	HAB	H 3568	7	104,084,201	104,087,201	3,000
del	LAB	L 3244	7	104,084,401	104,086,401	2,000
del	HAB	H 3569	7	104,289,401	104,298,801	9,400
del	LAB	L 3245	7	104,289,401	104,299,601	10,200
del	LAB	L 3246	7	104,316,801	104,326,201	9,400
del	HAB	H 3570	7	104,376,001	104,388,201	12,200
del	LAB	L 3247	7	104,376,201	104,388,201	12,000
del	HAB	H 3571	7	105,084,001	105,093,401	9,400
del	HAB	H 3572	7	105,441,201	105,451,001	9,800
del	LAB	L 3248	7	105,444,001	105,451,001	7,000
del	HAB	H 3573	7	107,147,601	107,151,201	3,600
del	LAB	L 3249	7	107,147,801	107,151,001	3,200
del	HAB	H 3574	7	108,707,401	108,727,201	19,800
del	HAB	H 3575	7	109,618,601	109,624,401	5,800
del	HAB	H 3576	7	109,770,801	109,780,801	10,000
del	LAB	L 3250	7	109,771,401	109,780,801	9,400
del	HAB	H 3577	7	109,936,201	109,952,801	16,600
del	LAB	L 3251	7	109,939,601	109,949,801	10,200
del	HAB	H 3578	7	109,977,201	109,992,001	14,800
del	LAB	L 3252	7	109,980,801	109,988,201	7,400
del	HAB	H 3579	7	109,998,401	110,002,401	4,000
del	HAB	H 3580	7	110,015,201	110,019,601	4,400
del	HAB	H 3581	7	110,099,001	110,101,601	2,600
del	HAB	H 3582	7	110,144,201	110,153,001	8,800
del	HAB	H 3583	7	110,165,201	110,183,601	18,400
del	LAB	L 3253	7	110,169,201	110,182,201	13,000
del	HAB	H 3584	7	110,249,801	110,263,201	13,400
del	LAB	L 3254	7	110,250,801	110,263,001	12,200
del	HAB	H 3585	7	110,307,001	110,313,201	6,200
del	HAB	H 3586	7	110,344,001	110,357,801	13,800
del	HAB	H 3587	7	110,428,001	110,442,201	14,200
del	LAB	L 3255	7	110,428,001	110,442,401	14,400
del	LAB	L 3256	7	110,628,801	110,637,001	8,200
del	LAB	L 3257	7	110,671,401	110,686,401	15,000
del	HAB	H 3588	7	110,673,201	110,684,401	11,200
del	HAB	H 3589	7	110,725,001	110,730,201	5,200
del	LAB	L 3258	7	110,725,401	110,729,801	4,400
del	LAB	L 3259	7	110,840,201	110,849,801	9,600
del	LAB	L 3260	7	110,945,801	110,952,801	7,000
del	HAB	H 3590	7	111,069,601	111,080,201	10,600
del	LAB	L 3261	7	111,069,601	111,080,401	10,800
del	HAB	H 3591	7	111,110,601	111,160,001	49,400
del	HAB	H 3592	7	111,176,001	111,183,201	7,200
del	HAB	H 3593	7	111,241,601	111,245,601	4,000

type	mouse line	no.	chr	start	end	size
del	HAB	H 3594	7	111,268,601	111,275,401	6,800
del	HAB	H 3595	7	111,304,601	111,308,201	3,600
del	LAB	L 3262	7	111,359,001	111,361,401	2,400
del	HAB	H 3596	7	111,413,201	111,487,001	73,800
del	HAB	H 3597	7	111,564,001	111,579,601	15,600
del	LAB	L 3263	7	111,564,201	111,580,201	16,000
del	LAB	L 3264	7	111,637,601	111,662,201	24,600
del	HAB	H 3598	7	111,643,401	111,661,001	17,600
del	HAB	H 3599	7	111,775,601	111,783,001	7,400
del	HAB	H 3600	7	111,858,401	111,876,401	18,000
del	LAB	L 3265	7	111,859,401	111,870,001	10,600
del	HAB	H 3601	7	111,919,001	111,926,201	7,200
del	LAB	L 3266	7	111,919,001	111,926,001	7,000
del	LAB	L 3267	7	111,942,601	111,957,201	14,600
del	HAB	H 3602	7	111,943,401	111,957,601	14,200
del	HAB	H 3603	7	112,399,801	112,414,201	14,400
del	LAB	L 3268	7	112,400,401	112,414,201	13,800
del	HAB	H 3604	7	112,494,801	112,512,001	17,200
del	LAB	L 3269	7	112,494,801	112,511,001	16,200
del	HAB	H 3605	7	113,088,801	113,094,201	5,400
del	HAB	H 3606	7	113,177,001	113,200,001	23,000
del	LAB	L 3270	7	113,182,801	113,198,801	16,000
del	HAB	H 3607	7	113,345,001	113,350,201	5,200
del	HAB	H 3608	7	113,397,001	113,400,801	3,800
del	HAB	H 3609	7	113,503,201	113,511,801	8,600
del	LAB	L 3271	7	113,503,801	113,510,801	7,000
del	HAB	H 3610	7	113,547,001	113,560,601	13,600
del	LAB	L 3272	7	113,547,001	113,560,401	13,400
del	HAB	H 3611	7	113,603,401	113,613,401	10,000
del	LAB	L 3273	7	113,603,401	113,610,601	7,200
del	LAB	L 3274	7	113,724,001	113,731,601	7,600
del	HAB	H 3612	7	113,724,401	113,731,601	7,200
del	LAB	L 3275	7	113,760,201	113,763,601	3,400
del	LAB	L 3276	7	113,801,001	113,808,201	7,200
del	LAB	L 3277	7	114,063,201	114,066,201	3,000
del	HAB	H 3613	7	114,063,801	114,066,601	2,800
del	HAB	H 3614	7	114,223,801	114,234,601	10,800
del	LAB	L 3278	7	114,224,601	114,233,801	9,200
del	HAB	H 3615	7	114,407,801	114,415,001	7,200
del	LAB	L 3279	7	114,408,001	114,414,801	6,800
del	LAB	L 3280	7	114,445,601	114,451,401	5,800
del	HAB	H 3616	7	114,614,401	114,621,601	7,200
del	HAB	H 3617	7	114,996,201	115,021,601	25,400
del	HAB	H 3618	7	115,030,601	115,039,201	8,600
del	HAB	H 3619	7	115,054,801	115,063,401	8,600
del	LAB	L 3281	7	115,056,801	115,063,001	6,200

type	mouse line	no.	chr	start	end	size
del	HAB	H 3620	7	115,093,201	115,095,601	2,400
del	HAB	H 3621	7	115,157,201	115,171,601	14,400
del	LAB	L 3282	7	115,157,601	115,163,201	5,600
del	HAB	H 3622	7	115,271,801	115,298,801	27,000
del	LAB	L 3283	7	115,281,601	115,297,001	15,400
del	HAB	H 3623	7	115,304,801	115,370,401	65,600
del	HAB	H 3624	7	115,376,601	115,390,401	13,800
del	HAB	H 3625	7	115,520,601	115,602,601	82,000
del	LAB	L 3284	7	115,578,001	115,583,601	5,600
del	HAB	H 3626	7	115,626,201	115,650,201	24,000
del	HAB	H 3627	7	115,692,201	115,704,601	12,400
del	LAB	L 3285	7	115,692,601	115,704,601	12,000
del	LAB	L 3286	7	115,918,201	115,929,001	10,800
del	HAB	H 3628	7	115,919,001	115,933,601	14,600
del	HAB	H 3629	7	115,963,401	115,977,401	14,000
del	HAB	H 3630	7	116,261,401	116,267,801	6,400
del	HAB	H 3631	7	116,509,401	116,516,001	6,600
del	HAB	H 3632	7	117,313,401	117,317,601	4,200
del	HAB	H 3633	7	117,902,601	117,905,201	2,600
del	HAB	H 3634	7	119,136,001	119,139,601	3,600
del	LAB	L 3287	7	119,136,001	119,139,001	3,000
del	LAB	L 3288	7	119,574,001	119,578,201	4,200
del	LAB	L 3289	7	121,263,601	121,269,601	6,000
del	HAB	H 3635	7	121,519,001	121,535,201	16,200
del	LAB	L 3290	7	121,520,001	121,534,801	14,800
del	LAB	L 3291	7	121,547,801	121,555,201	7,400
del	HAB	H 3636	7	122,220,801	122,227,401	6,600
del	LAB	L 3292	7	122,221,201	122,227,201	6,000
del	HAB	H 3637	7	122,955,001	122,962,601	7,600
del	LAB	L 3293	7	122,955,401	122,962,401	7,000
del	HAB	H 3638	7	123,575,601	123,581,401	5,800
del	LAB	L 3294	7	123,575,801	123,581,401	5,600
del	HAB	H 3639	7	123,860,401	123,862,601	2,200
del	HAB	H 3640	7	123,900,801	123,907,401	6,600
del	LAB	L 3295	7	123,901,001	123,907,001	6,000
del	LAB	L 3296	7	126,193,201	126,200,001	6,800
del	LAB	L 3297	7	126,255,801	126,259,801	4,000
del	LAB	L 3298	7	127,440,801	127,450,601	9,800
del	HAB	H 3641	7	127,442,001	127,450,401	8,400
del	HAB	H 3642	7	130,214,201	130,221,201	7,000
del	HAB	H 3643	7	130,747,001	130,764,401	17,400
del	LAB	L 3299	7	130,748,401	130,767,801	19,400
del	LAB	L 3300	7	130,815,201	130,820,801	5,600
del	HAB	H 3644	7	130,815,801	130,821,401	5,600
del	HAB	H 3645	7	130,907,801	130,915,601	7,800
del	LAB	L 3301	7	130,908,201	130,916,401	8,200



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3646	7	131,015,201	131,021,801	6,600
del	LAB	L 3302	7	131,015,201	131,021,801	6,600
del	HAB	H 3647	7	131,671,601	131,677,001	5,400
del	LAB	L 3303	7	131,671,801	131,677,201	5,400
del	LAB	L 3304	7	131,950,401	131,955,601	5,200
del	HAB	H 3648	7	131,950,601	131,958,001	7,400
del	HAB	H 3649	7	132,038,601	132,045,801	7,200
del	LAB	L 3305	7	132,039,001	132,045,601	6,600
del	HAB	H 3650	7	132,122,801	132,130,201	7,400
del	LAB	L 3306	7	132,123,001	132,129,801	6,800
del	HAB	H 3651	7	132,153,401	132,160,401	7,000
del	LAB	L 3307	7	132,153,601	132,160,001	6,400
del	HAB	H 3652	7	132,442,001	132,448,401	6,400
del	LAB	L 3308	7	132,442,201	132,448,201	6,000
del	HAB	H 3653	7	132,673,201	132,677,801	4,600
del	HAB	H 3654	7	133,045,801	133,052,401	6,600
del	LAB	L 3309	7	133,046,001	133,052,401	6,400
del	LAB	L 3310	7	134,523,201	134,538,001	14,800
del	HAB	H 3655	7	135,266,801	135,270,001	3,200
del	HAB	H 3656	7	135,748,201	135,753,601	5,400
del	LAB	L 3311	7	135,748,401	135,753,001	4,600
del	HAB	H 3657	7	137,488,601	137,495,201	6,600
del	LAB	L 3312	7	137,488,801	137,495,201	6,400
del	HAB	H 3658	7	137,735,401	137,740,001	4,600
del	LAB	L 3313	7	137,735,601	137,739,801	4,200
del	HAB	H 3659	7	138,233,601	138,245,201	11,600
del	LAB	L 3314	7	138,234,001	138,243,601	9,600
del	HAB	H 3660	7	138,630,601	138,638,401	7,800
del	HAB	H 3661	7	141,525,601	141,529,601	4,000
del	LAB	L 3315	7	141,525,801	141,529,401	3,600
del	LAB	L 3316	7	143,431,601	143,436,801	5,200
del	HAB	H 3662	7	144,606,601	144,612,201	5,600
del	HAB	H 3663	7	144,833,401	144,838,401	5,000
del	HAB	H 3664	7	147,610,201	147,620,601	10,400
del	LAB	L 3317	7	147,610,401	147,620,801	10,400
del	HAB	H 3665	7	147,700,401	147,708,201	7,800
del	LAB	L 3318	7	147,738,401	147,745,801	7,400
del	HAB	H 3666	7	147,738,601	147,745,601	7,000
del	HAB	H 3667	7	149,044,001	149,049,201	5,200
del	LAB	L 3319	7	149,044,001	149,049,001	5,000
del	LAB	L 3320	7	149,459,001	149,467,401	8,400
del	HAB	H 3668	7	149,459,401	149,467,601	8,200
del	HAB	H 3669	7	149,960,401	149,972,801	12,400
del	LAB	L 3321	7	149,960,601	149,972,801	12,200
del	HAB	H 3670	7	150,408,601	150,413,201	4,600
del	HAB	H 3671	7	151,035,601	151,049,401	13,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 3322	7	151,035,801	151,049,001	13,200
del	HAB	H 3672	8	3,338,001	3,345,401	7,400
del	LAB	L 3323	8	3,338,201	3,345,201	7,000
del	HAB	H 3673	8	3,803,201	3,834,001	30,800
del	LAB	L 3324	8	3,803,201	3,834,001	30,800
del	HAB	H 3674	8	3,898,601	3,911,401	12,800
del	LAB	L 3325	8	3,899,801	3,911,401	11,600
del	HAB	H 3675	8	3,977,401	3,988,001	10,600
del	LAB	L 3326	8	3,977,401	3,988,401	11,000
del	HAB	H 3676	8	4,071,601	4,097,801	26,200
del	LAB	L 3327	8	4,071,801	4,097,601	25,800
del	HAB	H 3677	8	4,375,001	4,383,001	8,000
del	LAB	L 3328	8	4,375,001	4,382,201	7,200
del	HAB	H 3678	8	4,443,401	4,454,201	10,800
del	LAB	L 3329	8	4,443,401	4,452,201	8,800
del	HAB	H 3679	8	4,796,801	4,802,401	5,600
del	LAB	L 3330	8	4,797,401	4,802,201	4,800
del	HAB	H 3680	8	4,808,401	4,814,001	5,600
del	HAB	H 3681	8	4,848,801	4,858,601	9,800
del	HAB	H 3682	8	5,501,401	5,506,201	4,800
del	LAB	L 3331	8	5,501,801	5,506,401	4,600
del	HAB	H 3683	8	6,982,201	6,993,201	11,000
del	HAB	H 3684	8	7,034,401	7,043,201	8,800
del	LAB	L 3332	8	7,034,801	7,043,201	8,400
del	LAB	L 3333	8	7,140,401	7,149,801	9,400
del	HAB	H 3685	8	7,328,801	7,335,601	6,800
del	LAB	L 3334	8	7,329,001	7,336,001	7,000
del	HAB	H 3686	8	7,534,401	7,551,001	16,600
del	LAB	L 3335	8	7,538,201	7,552,001	13,800
del	LAB	L 3336	8	7,681,601	7,692,201	10,600
del	HAB	H 3687	8	8,315,001	8,320,801	5,800
del	LAB	L 3337	8	8,315,401	8,320,601	5,200
del	HAB	H 3688	8	9,557,401	9,565,401	8,000
del	LAB	L 3338	8	9,557,601	9,565,401	7,800
del	HAB	H 3689	8	10,085,601	10,091,001	5,400
del	LAB	L 3339	8	10,085,801	10,090,401	4,600
del	LAB	L 3340	8	10,281,001	10,286,801	5,800
del	HAB	H 3690	8	10,281,201	10,286,801	5,600
del	HAB	H 3691	8	12,131,001	12,133,801	2,800
del	HAB	H 3692	8	13,710,201	13,725,001	14,800
del	LAB	L 3341	8	13,710,401	13,724,601	14,200
del	HAB	H 3693	8	13,860,201	13,867,801	7,600
del	LAB	L 3342	8	13,860,601	13,870,801	10,200
del	HAB	H 3694	8	13,980,401	13,983,801	3,400
del	LAB	L 3343	8	13,980,801	13,983,601	2,800
del	HAB	H 3695	8	14,196,201	14,203,001	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3344	8	14,196,601	14,202,601	6,000
del	LAB	L 3345	8	14,795,801	14,807,401	11,600
del	HAB	H 3696	8	14,796,001	14,807,601	11,600
del	HAB	H 3697	8	15,442,201	15,449,601	7,400
del	LAB	L 3346	8	15,442,401	15,449,601	7,200
del	HAB	H 3698	8	15,612,801	15,623,601	10,800
del	LAB	L 3347	8	15,613,001	15,624,401	11,400
del	HAB	H 3699	8	15,692,201	15,698,401	6,200
del	LAB	L 3348	8	15,692,601	15,698,001	5,400
del	HAB	H 3700	8	15,715,401	15,723,801	8,400
del	LAB	L 3349	8	15,715,401	15,722,601	7,200
del	HAB	H 3701	8	15,754,201	15,761,601	7,400
del	LAB	L 3350	8	15,754,401	15,761,001	6,600
del	HAB	H 3702	8	16,041,601	16,048,601	7,000
del	LAB	L 3351	8	16,042,001	16,048,201	6,200
del	HAB	H 3703	8	16,216,401	16,223,001	6,600
del	LAB	L 3352	8	16,216,601	16,222,801	6,200
del	LAB	L 3353	8	16,513,801	16,528,201	14,400
del	HAB	H 3704	8	16,514,001	16,528,201	14,200
del	HAB	H 3705	8	16,896,001	16,903,601	7,600
del	LAB	L 3354	8	16,896,001	16,903,401	7,400
del	HAB	H 3706	8	17,338,401	17,341,601	3,200
del	LAB	L 3355	8	17,338,801	17,341,401	2,600
del	HAB	H 3707	8	17,382,201	17,385,601	3,400
del	LAB	L 3356	8	17,382,601	17,385,601	3,000
del	HAB	H 3708	8	18,031,401	18,045,401	14,000
del	LAB	L 3357	8	18,031,401	18,045,401	14,000
del	HAB	H 3709	8	18,575,001	18,580,201	5,200
del	LAB	L 3358	8	18,575,201	18,580,001	4,800
del	HAB	H 3710	8	19,116,401	19,120,201	3,800
del	LAB	L 3359	8	19,116,401	19,119,801	3,400
del	HAB	H 3711	8	19,173,601	19,181,601	8,000
del	LAB	L 3360	8	19,173,801	19,181,601	7,800
del	HAB	H 3712	8	19,256,001	19,272,601	16,600
del	LAB	L 3361	8	19,260,801	19,271,801	11,000
del	HAB	H 3713	8	19,339,001	19,356,401	17,400
del	LAB	L 3362	8	19,378,401	19,397,801	19,400
del	HAB	H 3714	8	19,388,401	19,398,001	9,600
del	HAB	H 3715	8	19,447,201	19,459,801	12,600
del	LAB	L 3363	8	19,447,201	19,457,601	10,400
del	HAB	H 3716	8	19,487,201	19,492,601	5,400
del	LAB	L 3364	8	19,487,601	19,492,801	5,200
del	HAB	H 3717	8	19,768,601	19,774,801	6,200
del	LAB	L 3365	8	19,768,801	19,774,601	5,800
del	HAB	H 3718	8	19,793,401	19,798,601	5,200
del	LAB	L 3366	8	19,793,801	19,798,401	4,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3719	8	19,903,201	19,917,201	14,000
del	LAB	L 3367	8	19,903,401	19,905,001	1,600
del	LAB	L 3368	8	19,909,801	19,917,001	7,200
del	HAB	H 3720	8	19,924,001	19,927,201	3,200
del	LAB	L 3369	8	19,924,201	19,927,001	2,800
del	HAB	H 3721	8	20,030,401	20,035,801	5,400
del	LAB	L 3370	8	20,030,601	20,035,401	4,800
del	HAB	H 3722	8	22,048,801	22,057,801	9,000
del	HAB	H 3723	8	22,084,601	22,089,001	4,400
del	LAB	L 3371	8	22,085,601	22,088,601	3,000
del	HAB	H 3724	8	22,095,601	22,125,801	30,200
del	LAB	L 3372	8	22,095,601	22,122,801	27,200
del	HAB	H 3725	8	22,141,401	22,149,201	7,800
del	LAB	L 3373	8	22,141,601	22,148,801	7,200
del	HAB	H 3726	8	22,241,401	22,296,001	54,600
del	LAB	L 3374	8	22,243,201	22,287,601	44,400
del	HAB	H 3727	8	22,348,601	22,360,401	11,800
del	HAB	H 3728	8	22,397,601	22,404,001	6,400
del	LAB	L 3375	8	22,398,001	22,403,801	5,800
del	LAB	L 3376	8	22,591,201	22,605,001	13,800
del	HAB	H 3729	8	22,592,001	22,603,601	11,600
del	LAB	L 3377	8	22,633,601	22,666,601	33,000
del	HAB	H 3730	8	22,634,001	22,666,201	32,200
del	LAB	L 3378	8	22,711,401	22,724,201	12,800
del	HAB	H 3731	8	22,712,401	22,723,601	11,200
del	HAB	H 3732	8	22,736,801	22,743,201	6,400
del	LAB	L 3379	8	22,737,001	22,743,001	6,000
del	LAB	L 3380	8	22,781,401	22,800,401	19,000
del	HAB	H 3733	8	22,781,601	22,800,601	19,000
del	HAB	H 3734	8	22,822,001	22,837,201	15,200
del	LAB	L 3381	8	22,822,001	22,833,201	11,200
del	LAB	L 3382	8	22,896,801	22,900,001	3,200
del	HAB	H 3735	8	22,897,001	22,900,401	3,400
del	HAB	H 3736	8	22,979,401	22,982,801	3,400
del	HAB	H 3737	8	23,247,001	23,250,401	3,400
del	LAB	L 3383	8	23,247,401	23,250,401	3,000
del	HAB	H 3738	8	23,661,601	23,669,001	7,400
del	LAB	L 3384	8	23,662,001	23,668,601	6,600
del	HAB	H 3739	8	24,479,601	24,483,601	4,000
del	LAB	L 3385	8	24,480,001	24,483,601	3,600
del	HAB	H 3740	8	24,655,601	24,661,801	6,200
del	LAB	L 3386	8	24,656,201	24,661,401	5,200
del	HAB	H 3741	8	25,768,801	25,774,601	5,800
del	LAB	L 3387	8	25,768,801	25,774,201	5,400
del	HAB	H 3742	8	25,867,001	25,885,601	18,600
del	LAB	L 3388	8	25,868,201	25,885,401	17,200

type	mouse line	no.	chr	start	end	size
del	HAB	H 3743	8	25,903,001	25,912,601	9,600
del	LAB	L 3389	8	25,903,201	25,912,401	9,200
del	HAB	H 3744	8	25,953,401	25,962,801	9,400
del	LAB	L 3390	8	25,954,001	25,960,201	6,200
del	HAB	H 3745	8	27,690,801	27,698,201	7,400
del	LAB	L 3391	8	27,690,801	27,698,001	7,200
del	HAB	H 3746	8	28,126,001	28,128,001	2,000
del	HAB	H 3747	8	28,386,801	28,440,601	53,800
del	LAB	L 3392	8	28,421,801	28,442,801	21,000
del	HAB	H 3748	8	28,574,801	28,582,401	7,600
del	LAB	L 3393	8	28,575,201	28,582,201	7,000
del	LAB	L 3394	8	28,589,401	28,595,801	6,400
del	HAB	H 3749	8	28,590,801	28,596,201	5,400
del	HAB	H 3750	8	28,617,801	28,625,801	8,000
del	LAB	L 3395	8	28,618,401	28,625,801	7,400
del	HAB	H 3751	8	28,670,801	28,678,001	7,200
del	HAB	H 3752	8	28,697,201	28,703,401	6,200
del	HAB	H 3753	8	28,739,401	28,747,401	8,000
del	LAB	L 3396	8	28,739,601	28,747,401	7,800
del	HAB	H 3754	8	28,757,001	28,759,801	2,800
del	HAB	H 3755	8	28,806,401	28,812,601	6,200
del	HAB	H 3756	8	28,839,401	28,853,801	14,400
del	LAB	L 3397	8	28,839,801	28,852,401	12,600
del	HAB	H 3757	8	29,130,801	29,138,201	7,400
del	LAB	L 3398	8	29,131,401	29,137,001	5,600
del	LAB	L 3399	8	30,457,801	30,471,401	13,600
del	HAB	H 3758	8	30,458,401	30,471,601	13,200
del	HAB	H 3759	8	30,521,001	30,531,801	10,800
del	LAB	L 3400	8	30,521,201	30,531,401	10,200
del	HAB	H 3760	8	30,620,801	30,631,201	10,400
del	LAB	L 3401	8	30,621,201	30,631,001	9,800
del	HAB	H 3761	8	30,659,001	30,664,801	5,800
del	HAB	H 3762	8	30,734,001	30,776,401	42,400
del	LAB	L 3402	8	30,734,401	30,776,201	41,800
del	HAB	H 3763	8	30,907,201	30,915,201	8,000
del	LAB	L 3403	8	30,908,001	30,915,201	7,200
del	HAB	H 3764	8	30,971,801	30,975,801	4,000
del	HAB	H 3765	8	31,045,201	31,053,401	8,200
del	LAB	L 3404	8	31,045,401	31,059,801	14,400
del	HAB	H 3766	8	31,090,801	31,097,801	7,000
del	LAB	L 3405	8	31,091,201	31,097,401	6,200
del	HAB	H 3767	8	31,122,001	31,134,601	12,600
del	LAB	L 3406	8	31,122,201	31,134,201	12,000
del	HAB	H 3768	8	31,266,001	31,279,401	13,400
del	LAB	L 3407	8	31,266,401	31,279,201	12,800
del	LAB	L 3408	8	31,309,601	31,313,001	3,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3769	8	31,309,801	31,313,801	4,000
del	HAB	H 3770	8	31,405,001	31,415,201	10,200
del	LAB	L 3409	8	31,405,201	31,415,201	10,000
del	HAB	H 3771	8	31,509,401	31,515,801	6,400
del	LAB	L 3410	8	31,509,801	31,515,401	5,600
del	HAB	H 3772	8	31,647,401	31,650,601	3,200
del	LAB	L 3411	8	31,647,401	31,650,201	2,800
del	HAB	H 3773	8	31,722,601	31,734,201	11,600
del	LAB	L 3412	8	31,722,601	31,735,801	13,200
del	HAB	H 3774	8	31,815,601	31,822,601	7,000
del	LAB	L 3413	8	31,815,801	31,822,601	6,800
del	HAB	H 3775	8	32,131,401	32,134,201	2,800
del	HAB	H 3776	8	32,501,401	32,508,001	6,600
del	LAB	L 3414	8	32,501,401	32,507,601	6,200
del	HAB	H 3777	8	32,617,201	32,624,601	7,400
del	LAB	L 3415	8	32,617,401	32,624,601	7,200
del	HAB	H 3778	8	32,744,401	32,750,201	5,800
del	LAB	L 3416	8	32,744,801	32,750,201	5,400
del	HAB	H 3779	8	32,780,601	32,796,201	15,600
del	LAB	L 3417	8	32,781,001	32,796,201	15,200
del	HAB	H 3780	8	32,898,801	32,902,201	3,400
del	LAB	L 3418	8	32,899,001	32,902,001	3,000
del	HAB	H 3781	8	33,302,601	33,309,001	6,400
del	LAB	L 3419	8	33,302,801	33,309,001	6,200
del	HAB	H 3782	8	33,686,001	33,692,401	6,400
del	LAB	L 3420	8	33,686,201	33,692,401	6,200
del	HAB	H 3783	8	33,824,401	33,831,601	7,200
del	LAB	L 3421	8	33,824,601	33,831,201	6,600
del	HAB	H 3784	8	33,850,801	33,857,201	6,400
del	LAB	L 3422	8	33,850,801	33,857,201	6,400
del	HAB	H 3785	8	33,963,601	33,970,201	6,600
del	LAB	L 3423	8	33,963,801	33,970,201	6,400
del	LAB	L 3424	8	34,003,401	34,006,601	3,200
del	LAB	L 3425	8	34,261,601	34,287,601	26,000
del	HAB	H 3786	8	34,263,001	34,287,201	24,200
del	LAB	L 3426	8	34,300,401	34,302,401	2,000
del	LAB	L 3427	8	34,333,601	34,344,001	10,400
del	HAB	H 3787	8	34,558,001	34,575,201	17,200
del	LAB	L 3428	8	34,563,601	34,575,401	11,800
del	LAB	L 3429	8	34,824,601	34,829,201	4,600
del	LAB	L 3430	8	35,720,201	35,724,601	4,400
del	LAB	L 3431	8	36,051,601	36,055,201	3,600
del	LAB	L 3432	8	36,341,201	36,345,001	3,800
del	HAB	H 3788	8	36,547,401	36,553,601	6,200
del	LAB	L 3433	8	36,547,601	36,553,601	6,000
del	LAB	L 3434	8	37,360,001	37,367,801	7,800

type	mouse line	no.	chr	start	end	size
del	HAB	H 3789	8	37,360,201	37,368,001	7,800
del	LAB	L 3435	8	37,450,201	37,456,601	6,400
del	HAB	H 3790	8	38,128,801	38,135,001	6,200
del	HAB	H 3791	8	38,225,601	38,235,201	9,600
del	HAB	H 3792	8	38,371,001	38,376,801	5,800
del	LAB	L 3436	8	38,371,601	38,376,801	5,200
del	HAB	H 3793	8	38,387,401	38,391,401	4,000
del	LAB	L 3437	8	38,388,001	38,395,001	7,000
del	HAB	H 3794	8	38,404,801	38,408,201	3,400
del	LAB	L 3438	8	38,405,201	38,407,801	2,600
del	HAB	H 3795	8	38,551,401	38,556,801	5,400
del	LAB	L 3439	8	38,551,801	38,557,601	5,800
del	HAB	H 3796	8	38,613,801	38,623,601	9,800
del	LAB	L 3440	8	38,613,801	38,623,401	9,600
del	HAB	H 3797	8	38,635,201	38,641,801	6,600
del	HAB	H 3798	8	38,690,401	38,697,001	6,600
del	LAB	L 3441	8	38,727,201	38,737,401	10,200
del	HAB	H 3799	8	38,727,401	38,735,601	8,200
del	LAB	L 3442	8	38,843,801	38,850,801	7,000
del	HAB	H 3800	8	38,844,001	38,850,601	6,600
del	HAB	H 3801	8	38,883,001	38,915,201	32,200
del	LAB	L 3443	8	38,883,201	38,885,601	2,400
del	LAB	L 3444	8	38,890,801	38,914,601	23,800
del	HAB	H 3802	8	39,065,601	39,082,401	16,800
del	LAB	L 3445	8	39,065,601	39,082,401	16,800
del	HAB	H 3803	8	39,270,001	39,279,201	9,200
del	LAB	L 3446	8	39,270,601	39,279,401	8,800
del	HAB	H 3804	8	39,316,601	39,319,401	2,800
del	HAB	H 3805	8	39,477,201	39,497,801	20,600
del	LAB	L 3447	8	39,478,201	39,497,601	19,400
del	HAB	H 3806	8	39,509,001	39,513,601	4,600
del	HAB	H 3807	8	39,841,001	39,848,001	7,000
del	LAB	L 3448	8	39,841,201	39,848,601	7,400
del	HAB	H 3808	8	39,881,601	39,901,201	19,600
del	LAB	L 3449	8	39,882,001	39,895,801	13,800
del	HAB	H 3809	8	39,915,801	39,919,001	3,200
del	LAB	L 3450	8	39,916,201	39,918,801	2,600
del	HAB	H 3810	8	39,936,201	39,945,401	9,200
del	LAB	L 3451	8	39,936,201	39,945,801	9,600
del	HAB	H 3811	8	40,197,001	40,242,801	45,800
del	HAB	H 3812	8	40,278,801	40,286,201	7,400
del	LAB	L 3452	8	40,278,801	40,286,001	7,200
del	HAB	H 3813	8	40,329,801	40,338,801	9,000
del	LAB	L 3453	8	40,329,801	40,338,601	8,800
del	HAB	H 3814	8	40,415,201	40,420,401	5,200
del	LAB	L 3454	8	40,415,201	40,420,601	5,400

type	mouse line	no.	chr	start	end	size
del	HAB	H 3815	8	40,464,401	40,486,201	21,800
del	LAB	L 3455	8	40,464,801	40,486,601	21,800
del	HAB	H 3816	8	40,603,401	40,609,601	6,200
del	HAB	H 3817	8	40,629,401	40,636,201	6,800
del	HAB	H 3818	8	40,809,201	40,815,801	6,600
del	LAB	L 3456	8	40,809,601	40,815,801	6,200
del	HAB	H 3819	8	40,903,601	40,915,801	12,200
del	LAB	L 3457	8	40,904,201	40,915,801	11,600
del	LAB	L 3458	8	40,971,601	40,976,201	4,600
del	HAB	H 3820	8	40,971,801	40,976,401	4,600
del	HAB	H 3821	8	41,133,601	41,148,201	14,600
del	LAB	L 3459	8	41,133,801	41,147,801	14,000
del	HAB	H 3822	8	41,225,001	41,230,201	5,200
del	HAB	H 3823	8	41,282,601	41,296,401	13,800
del	LAB	L 3460	8	41,282,601	41,295,001	12,400
del	HAB	H 3824	8	41,331,001	41,337,401	6,400
del	LAB	L 3461	8	41,331,201	41,337,201	6,000
del	HAB	H 3825	8	41,451,001	41,460,201	9,200
del	LAB	L 3462	8	41,451,401	41,460,001	8,600
del	HAB	H 3826	8	41,563,001	41,567,401	4,400
del	LAB	L 3463	8	41,563,001	41,567,401	4,400
del	HAB	H 3827	8	41,652,001	41,657,401	5,400
del	LAB	L 3464	8	41,652,201	41,657,201	5,000
del	LAB	L 3465	8	41,806,601	41,826,001	19,400
del	HAB	H 3828	8	41,810,601	41,826,601	16,000
del	LAB	L 3466	8	41,847,001	41,874,601	27,600
del	HAB	H 3829	8	41,847,201	41,874,001	26,800
del	HAB	H 3830	8	41,895,601	41,902,801	7,200
del	LAB	L 3467	8	41,897,201	41,903,201	6,000
del	HAB	H 3831	8	42,038,001	42,043,201	5,200
del	HAB	H 3832	8	42,249,401	42,255,601	6,200
del	LAB	L 3468	8	42,249,401	42,255,601	6,200
del	LAB	L 3469	8	42,308,401	42,320,201	11,800
del	HAB	H 3833	8	42,311,201	42,318,401	7,200
del	HAB	H 3834	8	42,504,801	42,512,001	7,200
del	LAB	L 3470	8	42,505,001	42,512,001	7,000
del	HAB	H 3835	8	42,531,601	42,535,201	3,600
del	LAB	L 3471	8	42,531,801	42,535,201	3,400
del	LAB	L 3472	8	42,588,001	42,609,801	21,800
del	HAB	H 3836	8	42,588,401	42,610,801	22,400
del	LAB	L 3473	8	42,808,801	42,819,801	11,000
del	HAB	H 3837	8	42,809,401	42,819,801	10,400
del	HAB	H 3838	8	42,978,001	42,993,201	15,200
del	LAB	L 3474	8	42,980,801	42,989,801	9,000
del	HAB	H 3839	8	43,112,801	43,123,401	10,600
del	LAB	L 3475	8	43,113,201	43,123,001	9,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3840	8	43,286,601	43,289,601	3,000
del	LAB	L 3476	8	43,287,001	43,289,401	2,400
del	LAB	L 3477	8	43,325,801	43,335,601	9,800
del	HAB	H 3841	8	43,328,001	43,335,801	7,800
del	HAB	H 3842	8	43,351,401	43,358,201	6,800
del	HAB	H 3843	8	43,572,201	43,585,801	13,600
del	LAB	L 3478	8	43,572,401	43,585,801	13,400
del	LAB	L 3479	8	43,647,801	43,671,201	23,400
del	HAB	H 3844	8	43,651,001	43,671,401	20,400
del	HAB	H 3845	8	43,704,601	43,711,801	7,200
del	LAB	L 3480	8	43,704,601	43,712,201	7,600
del	LAB	L 3481	8	43,823,201	43,830,001	6,800
del	HAB	H 3846	8	43,901,801	43,908,601	6,800
del	LAB	L 3482	8	43,902,001	43,908,401	6,400
del	LAB	L 3483	8	43,929,801	43,949,801	20,000
del	HAB	H 3847	8	43,931,601	43,949,801	18,200
del	LAB	L 3484	8	44,085,201	44,097,601	12,400
del	HAB	H 3848	8	44,085,601	44,097,801	12,200
del	HAB	H 3849	8	44,165,801	44,168,201	2,400
del	LAB	L 3485	8	44,233,001	44,241,601	8,600
del	HAB	H 3850	8	44,233,201	44,242,201	9,000
del	HAB	H 3851	8	44,604,201	44,623,601	19,400
del	LAB	L 3486	8	44,604,801	44,623,201	18,400
del	LAB	L 3487	8	44,661,801	44,691,401	29,600
del	HAB	H 3852	8	44,662,001	44,691,401	29,400
del	LAB	L 3488	8	44,721,201	44,726,801	5,600
del	HAB	H 3853	8	44,721,401	44,727,601	6,200
del	HAB	H 3854	8	44,818,801	44,823,401	4,600
del	HAB	H 3855	8	44,873,401	44,881,401	8,000
del	LAB	L 3489	8	44,873,401	44,881,401	8,000
del	HAB	H 3856	8	44,952,801	44,956,801	4,000
del	LAB	L 3490	8	44,952,801	44,960,801	8,000
del	HAB	H 3857	8	45,053,001	45,057,401	4,400
del	LAB	L 3491	8	45,053,601	45,056,801	3,200
del	HAB	H 3858	8	45,319,801	45,331,401	11,600
del	LAB	L 3492	8	45,319,801	45,331,401	11,600
del	HAB	H 3859	8	45,673,401	45,679,601	6,200
del	LAB	L 3493	8	45,673,801	45,679,601	5,800
del	HAB	H 3860	8	46,407,601	46,412,801	5,200
del	LAB	L 3494	8	46,408,001	46,412,601	4,600
del	HAB	H 3861	8	46,511,601	46,520,001	8,400
del	HAB	H 3862	8	46,528,201	46,532,401	4,200
del	HAB	H 3863	8	48,551,401	48,564,801	13,400
del	LAB	L 3495	8	48,551,401	48,564,801	13,400
del	HAB	H 3864	8	50,938,201	50,942,801	4,600
del	LAB	L 3496	8	50,938,201	50,943,001	4,800

type	mouse line	no.	chr	start	end	size
del	HAB	H 3865	8	51,916,201	51,920,601	4,400
del	HAB	H 3866	8	52,081,001	52,092,201	11,200
del	HAB	H 3867	8	52,132,401	52,137,601	5,200
del	HAB	H 3868	8	52,214,001	52,218,401	4,400
del	HAB	H 3869	8	52,432,001	52,439,201	7,200
del	HAB	H 3870	8	52,795,001	52,803,401	8,400
del	HAB	H 3871	8	52,816,801	52,821,201	4,400
del	HAB	H 3872	8	52,833,201	52,844,401	11,200
del	HAB	H 3873	8	53,003,001	53,015,601	12,600
del	HAB	H 3874	8	53,096,401	53,107,801	11,400
del	LAB	L 3497	8	53,096,601	53,108,001	11,400
del	HAB	H 3875	8	53,141,401	53,146,401	5,000
del	HAB	H 3876	8	53,319,801	53,322,001	2,200
del	HAB	H 3877	8	53,388,801	53,400,601	11,800
del	LAB	L 3498	8	53,389,001	53,394,001	5,000
del	LAB	L 3499	8	53,506,601	53,522,401	15,800
del	HAB	H 3878	8	53,506,801	53,523,401	16,600
del	LAB	L 3500	8	54,039,801	54,054,001	14,200
del	HAB	H 3879	8	54,040,001	54,055,001	15,000
del	HAB	H 3880	8	55,058,001	55,065,401	7,400
del	LAB	L 3501	8	55,058,801	55,064,401	5,600
del	HAB	H 3881	8	55,228,201	55,235,601	7,400
del	HAB	H 3882	8	55,703,801	55,712,201	8,400
del	LAB	L 3502	8	55,703,801	55,712,001	8,200
del	LAB	L 3503	8	56,148,401	56,156,401	8,000
del	HAB	H 3883	8	56,148,801	56,156,601	7,800
del	HAB	H 3884	8	56,196,801	56,207,201	10,400
del	LAB	L 3504	8	56,197,001	56,207,201	10,200
del	HAB	H 3885	8	57,975,001	57,999,801	24,800
del	LAB	L 3505	8	57,975,201	57,999,201	24,000
del	HAB	H 3886	8	58,317,001	58,325,001	8,000
del	LAB	L 3506	8	58,318,201	58,324,601	6,400
del	LAB	L 3507	8	58,450,201	58,455,801	5,600
del	HAB	H 3887	8	58,451,801	58,456,001	4,200
del	HAB	H 3888	8	58,653,601	58,661,201	7,600
del	LAB	L 3508	8	58,653,601	58,660,801	7,200
del	HAB	H 3889	8	58,828,201	58,836,801	8,600
del	LAB	L 3509	8	58,828,601	58,836,401	7,800
del	HAB	H 3890	8	59,222,401	59,229,201	6,800
del	LAB	L 3510	8	59,222,401	59,228,601	6,200
del	HAB	H 3891	8	59,271,401	59,307,001	35,600
del	LAB	L 3511	8	59,271,801	59,306,601	34,800
del	HAB	H 3892	8	59,506,001	59,520,201	14,200
del	LAB	L 3512	8	59,506,201	59,520,001	13,800
del	HAB	H 3893	8	59,650,201	59,668,401	18,200
del	LAB	L 3513	8	59,650,201	59,668,401	18,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3894	8	60,148,801	60,158,801	10,000
del	LAB	L 3514	8	60,149,001	60,158,801	9,800
del	HAB	H 3895	8	60,574,001	60,585,201	11,200
del	LAB	L 3515	8	60,574,401	60,585,201	10,800
del	HAB	H 3896	8	60,615,601	60,620,801	5,200
del	LAB	L 3516	8	60,632,601	60,652,801	20,200
del	HAB	H 3897	8	60,632,801	60,652,601	19,800
del	LAB	L 3517	8	60,771,001	60,777,601	6,600
del	LAB	L 3518	8	60,864,801	60,880,801	16,000
del	HAB	H 3898	8	60,875,001	60,881,001	6,000
del	LAB	L 3519	8	60,940,401	60,950,201	9,800
del	HAB	H 3899	8	61,104,201	61,107,801	3,600
del	LAB	L 3520	8	61,104,201	61,108,601	4,400
del	LAB	L 3521	8	61,205,201	61,211,001	5,800
del	HAB	H 3900	8	61,447,601	61,453,601	6,000
del	LAB	L 3522	8	61,447,601	61,457,801	10,200
del	LAB	L 3523	8	61,610,401	61,617,601	7,200
del	LAB	L 3524	8	61,816,001	61,822,001	6,000
del	LAB	L 3525	8	62,020,201	62,030,801	10,600
del	HAB	H 3901	8	62,020,401	62,031,001	10,600
del	LAB	L 3526	8	62,120,601	62,140,001	19,400
del	HAB	H 3902	8	62,124,601	62,144,201	19,600
del	HAB	H 3903	8	62,154,801	62,163,601	8,800
del	HAB	H 3904	8	62,213,201	62,220,801	7,600
del	LAB	L 3527	8	62,260,201	62,268,801	8,600
del	HAB	H 3905	8	62,260,801	62,269,401	8,600
del	HAB	H 3906	8	62,312,001	62,325,201	13,200
del	HAB	H 3907	8	62,336,201	62,346,401	10,200
del	LAB	L 3528	8	62,336,201	62,341,601	5,400
del	HAB	H 3908	8	62,358,401	62,366,201	7,800
del	HAB	H 3909	8	62,411,401	62,415,601	4,200
del	LAB	L 3529	8	62,464,601	62,466,801	2,200
del	LAB	L 3530	8	62,530,601	62,544,201	13,600
del	HAB	H 3910	8	62,532,201	62,544,001	11,800
del	HAB	H 3911	8	62,554,001	62,557,401	3,400
del	HAB	H 3912	8	62,625,401	62,634,601	9,200
del	LAB	L 3531	8	62,626,001	62,633,801	7,800
del	HAB	H 3913	8	62,755,401	62,767,601	12,200
del	LAB	L 3532	8	62,755,401	62,767,601	12,200
del	HAB	H 3914	8	62,797,801	62,804,601	6,800
del	LAB	L 3533	8	62,837,001	62,852,201	15,200
del	HAB	H 3915	8	62,841,601	62,852,601	11,000
del	HAB	H 3916	8	62,880,601	62,903,601	23,000
del	LAB	L 3534	8	62,880,801	62,904,201	23,400
del	HAB	H 3917	8	63,071,201	63,084,601	13,400
del	HAB	H 3918	8	63,845,601	63,850,401	4,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3535	8	63,846,001	63,850,201	4,200
del	HAB	H 3919	8	65,290,601	65,307,001	16,400
del	LAB	L 3536	8	65,290,601	65,307,201	16,600
del	LAB	L 3537	8	65,342,201	65,353,801	11,600
del	HAB	H 3920	8	65,364,601	65,376,001	11,400
del	LAB	L 3538	8	65,366,401	65,375,801	9,400
del	LAB	L 3539	8	65,394,401	65,398,401	4,000
del	HAB	H 3921	8	65,543,601	65,551,601	8,000
del	LAB	L 3540	8	65,543,601	65,551,601	8,000
del	HAB	H 3922	8	65,776,001	65,789,001	13,000
del	LAB	L 3541	8	65,776,401	65,788,401	12,000
del	LAB	L 3542	8	66,151,001	66,163,201	12,200
del	HAB	H 3923	8	66,151,201	66,162,801	11,600
del	LAB	L 3543	8	66,290,801	66,306,401	15,600
del	HAB	H 3924	8	66,291,001	66,305,401	14,400
del	LAB	L 3544	8	66,326,201	66,340,201	14,000
del	HAB	H 3925	8	66,326,601	66,340,201	13,600
del	LAB	L 3545	8	66,384,601	66,397,601	13,000
del	HAB	H 3926	8	66,384,801	66,398,001	13,200
del	HAB	H 3927	8	66,727,801	66,739,601	11,800
del	LAB	L 3546	8	66,727,801	66,739,601	11,800
del	HAB	H 3928	8	66,921,201	66,927,401	6,200
del	LAB	L 3547	8	66,921,201	66,927,401	6,200
del	HAB	H 3929	8	67,033,801	67,046,801	13,000
del	HAB	H 3930	8	67,414,001	67,421,201	7,200
del	LAB	L 3548	8	67,819,401	67,826,001	6,600
del	HAB	H 3931	8	67,821,601	67,846,601	25,000
del	LAB	L 3549	8	67,830,601	67,845,601	15,000
del	HAB	H 3932	8	67,927,001	67,934,201	7,200
del	HAB	H 3933	8	67,975,801	67,989,201	13,400
del	LAB	L 3550	8	67,981,401	67,989,601	8,200
del	HAB	H 3934	8	68,017,201	68,034,001	16,800
del	LAB	L 3551	8	68,018,201	68,032,201	14,000
del	LAB	L 3552	8	68,060,601	68,067,001	6,400
del	HAB	H 3935	8	68,061,001	68,067,001	6,000
del	HAB	H 3936	8	68,109,001	68,123,201	14,200
del	LAB	L 3553	8	68,120,601	68,123,201	2,600
del	HAB	H 3937	8	68,227,801	68,236,001	8,200
del	HAB	H 3938	8	68,354,001	68,361,201	7,200
del	HAB	H 3939	8	68,440,401	68,454,601	14,200
del	HAB	H 3940	8	68,629,601	68,633,001	3,400
del	HAB	H 3941	8	68,894,801	68,902,601	7,800
del	HAB	H 3942	8	69,028,601	69,030,601	2,000
del	LAB	L 3554	8	69,467,201	69,481,201	14,000
del	HAB	H 3943	8	69,467,601	69,480,801	13,200
del	HAB	H 3944	8	69,643,801	69,662,401	18,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3555	8	69,643,801	69,662,201	18,400
del	HAB	H 3945	8	69,876,601	69,881,401	4,800
del	LAB	L 3556	8	69,877,001	69,881,201	4,200
del	HAB	H 3946	8	69,894,401	69,897,201	2,800
del	LAB	L 3557	8	69,894,401	69,896,801	2,400
del	HAB	H 3947	8	70,174,401	70,180,401	6,000
del	LAB	L 3558	8	70,176,001	70,180,001	4,000
del	HAB	H 3948	8	71,023,201	71,030,001	6,800
del	LAB	L 3559	8	71,023,401	71,029,801	6,400
del	HAB	H 3949	8	71,094,201	71,103,001	8,800
del	LAB	L 3560	8	71,094,201	71,103,201	9,000
del	LAB	L 3561	8	71,196,001	71,212,401	16,400
del	HAB	H 3950	8	71,199,801	71,212,801	13,000
del	HAB	H 3951	8	71,489,801	71,497,001	7,200
del	LAB	L 3562	8	71,489,801	71,497,201	7,400
del	HAB	H 3952	8	71,905,601	71,908,601	3,000
del	LAB	L 3563	8	71,905,801	71,908,401	2,600
del	HAB	H 3953	8	71,938,801	71,943,601	4,800
del	LAB	L 3564	8	71,938,801	71,943,201	4,400
del	HAB	H 3954	8	72,023,801	72,034,601	10,800
del	LAB	L 3565	8	72,024,001	72,034,801	10,800
del	HAB	H 3955	8	72,079,001	72,085,401	6,400
del	LAB	L 3566	8	72,079,401	72,085,001	5,600
del	HAB	H 3956	8	72,111,801	72,118,601	6,800
del	LAB	L 3567	8	72,112,201	72,117,801	5,600
del	HAB	H 3957	8	72,165,601	72,173,201	7,600
del	LAB	L 3568	8	72,165,801	72,172,601	6,800
del	LAB	L 3569	8	72,486,201	72,489,401	3,200
del	HAB	H 3958	8	73,490,001	73,511,401	21,400
del	LAB	L 3570	8	73,490,201	73,528,601	38,400
del	HAB	H 3959	8	73,517,401	73,528,401	11,000
del	HAB	H 3960	8	73,571,201	73,578,601	7,400
del	LAB	L 3571	8	73,572,001	73,578,001	6,000
del	HAB	H 3961	8	73,583,201	73,598,601	15,400
del	LAB	L 3572	8	73,583,601	73,598,601	15,000
del	HAB	H 3962	8	73,619,001	73,643,001	24,000
del	LAB	L 3573	8	73,619,801	73,643,001	23,200
del	HAB	H 3963	8	73,652,401	73,717,601	65,200
del	LAB	L 3574	8	73,655,801	73,689,401	33,600
del	LAB	L 3575	8	73,695,801	73,717,201	21,400
del	LAB	L 3576	8	73,747,801	73,757,601	9,800
del	HAB	H 3964	8	73,748,001	73,757,801	9,800
del	LAB	L 3577	8	74,357,401	74,364,401	7,000
del	HAB	H 3965	8	74,360,201	74,364,801	4,600
del	LAB	L 3578	8	74,544,001	74,618,001	74,000
del	HAB	H 3966	8	74,544,201	74,613,601	69,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3967	8	74,643,401	74,647,201	3,800
del	HAB	H 3968	8	74,749,001	74,762,801	13,800
del	LAB	L 3579	8	74,749,201	74,762,801	13,600
del	LAB	L 3580	8	75,362,401	75,372,601	10,200
del	LAB	L 3581	8	75,413,401	75,420,001	6,600
del	LAB	L 3582	8	75,449,601	75,455,401	5,800
del	HAB	H 3969	8	75,491,801	75,503,801	12,000
del	LAB	L 3583	8	75,496,401	75,503,801	7,400
del	LAB	L 3584	8	75,675,001	75,688,001	13,000
del	HAB	H 3970	8	75,675,401	75,687,801	12,400
del	HAB	H 3971	8	75,994,601	76,005,201	10,600
del	LAB	L 3585	8	76,048,201	76,083,001	34,800
del	HAB	H 3972	8	76,050,001	76,083,601	33,600
del	HAB	H 3973	8	76,201,601	76,210,201	8,600
del	LAB	L 3586	8	76,288,401	76,293,601	5,200
del	HAB	H 3974	8	76,288,601	76,294,201	5,600
del	HAB	H 3975	8	76,409,201	76,415,601	6,400
del	LAB	L 3587	8	76,409,201	76,415,601	6,400
del	HAB	H 3976	8	76,537,801	76,582,401	44,600
del	LAB	L 3588	8	76,558,201	76,582,601	24,400
del	HAB	H 3977	8	76,638,601	76,644,401	5,800
del	HAB	H 3978	8	76,713,601	76,721,401	7,800
del	LAB	L 3589	8	76,714,001	76,721,401	7,400
del	LAB	L 3590	8	76,787,801	76,797,401	9,600
del	HAB	H 3979	8	76,788,001	76,797,801	9,800
del	HAB	H 3980	8	76,873,601	76,880,801	7,200
del	LAB	L 3591	8	76,873,801	76,880,601	6,800
del	HAB	H 3981	8	76,903,201	76,910,401	7,200
del	LAB	L 3592	8	76,903,601	76,910,401	6,800
del	LAB	L 3593	8	76,918,401	76,924,401	6,000
del	HAB	H 3982	8	76,918,601	76,924,601	6,000
del	HAB	H 3983	8	76,951,201	76,955,601	4,400
del	LAB	L 3594	8	76,951,401	76,955,801	4,400
del	LAB	L 3595	8	77,005,601	77,014,201	8,600
del	HAB	H 3984	8	77,005,801	77,014,201	8,400
del	LAB	L 3596	8	77,034,401	77,042,001	7,600
del	HAB	H 3985	8	77,034,801	77,042,401	7,600
del	LAB	L 3597	8	77,062,201	77,073,801	11,600
del	HAB	H 3986	8	77,062,401	77,073,801	11,400
del	HAB	H 3987	8	77,127,401	77,132,201	4,800
del	LAB	L 3598	8	77,127,601	77,130,601	3,000
del	HAB	H 3988	8	77,235,601	77,254,001	18,400
del	LAB	L 3599	8	77,236,001	77,278,001	42,000
del	HAB	H 3989	8	77,264,801	77,278,801	14,000
del	LAB	L 3600	8	77,661,401	77,670,601	9,200
del	HAB	H 3990	8	77,663,201	77,670,801	7,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 3991	8	77,699,001	77,706,001	7,000
del	LAB	L 3601	8	77,699,001	77,706,001	7,000
del	LAB	L 3602	8	77,862,201	77,867,601	5,400
del	HAB	H 3992	8	77,862,401	77,867,601	5,200
del	LAB	L 3603	8	78,212,001	78,220,801	8,800
del	HAB	H 3993	8	78,212,601	78,220,601	8,000
del	LAB	L 3604	8	78,372,201	78,379,001	6,800
del	HAB	H 3994	8	78,372,401	78,378,601	6,200
del	HAB	H 3995	8	78,684,201	78,688,801	4,600
del	HAB	H 3996	8	78,935,801	78,944,001	8,200
del	LAB	L 3605	8	78,936,001	78,944,201	8,200
del	HAB	H 3997	8	79,469,801	79,472,201	2,400
del	HAB	H 3998	8	79,913,201	79,919,601	6,400
del	LAB	L 3606	8	79,913,201	79,919,601	6,400
del	HAB	H 3999	8	80,167,401	80,174,601	7,200
del	LAB	L 3607	8	80,167,401	80,174,201	6,800
del	HAB	H 4000	8	82,279,601	82,290,401	10,800
del	LAB	L 3608	8	82,281,001	82,290,601	9,600
del	HAB	H 4001	8	82,873,201	82,880,201	7,000
del	LAB	L 3609	8	82,873,801	82,880,201	6,400
del	HAB	H 4002	8	83,596,601	83,603,601	7,000
del	LAB	L 3610	8	83,597,001	83,603,401	6,400
del	HAB	H 4003	8	83,636,401	83,649,401	13,000
del	LAB	L 3611	8	83,637,001	83,649,601	12,600
del	HAB	H 4004	8	83,713,601	83,723,601	10,000
del	LAB	L 3612	8	83,713,601	83,724,001	10,400
del	HAB	H 4005	8	84,434,801	84,442,601	7,800
del	LAB	L 3613	8	84,435,001	84,441,401	6,400
del	HAB	H 4006	8	84,478,201	84,485,801	7,600
del	LAB	L 3614	8	84,478,601	84,485,401	6,800
del	HAB	H 4007	8	84,559,201	84,564,801	5,600
del	LAB	L 3615	8	84,730,001	84,736,601	6,600
del	HAB	H 4008	8	84,731,601	84,736,801	5,200
del	HAB	H 4009	8	84,792,001	84,798,401	6,400
del	LAB	L 3616	8	84,955,601	84,962,801	7,200
del	HAB	H 4010	8	84,955,801	84,963,001	7,200
del	HAB	H 4011	8	85,033,001	85,036,601	3,600
del	HAB	H 4012	8	85,156,801	85,176,001	19,200
del	LAB	L 3617	8	85,156,801	85,175,001	18,200
del	HAB	H 4013	8	85,236,601	85,251,001	14,400
del	LAB	L 3618	8	85,236,801	85,249,601	12,800
del	HAB	H 4014	8	85,326,401	85,333,001	6,600
del	LAB	L 3619	8	85,326,801	85,333,001	6,200
del	HAB	H 4015	8	85,342,801	85,349,401	6,600
del	LAB	L 3620	8	85,342,801	85,348,801	6,000
del	LAB	L 3621	8	85,539,601	85,548,801	9,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4016	8	85,540,001	85,549,001	9,000
del	HAB	H 4017	8	85,644,801	85,651,401	6,600
del	LAB	L 3622	8	85,645,201	85,651,001	5,800
del	HAB	H 4018	8	85,752,201	85,755,401	3,200
del	LAB	L 3623	8	85,752,201	85,755,401	3,200
del	HAB	H 4019	8	85,993,001	86,005,201	12,200
del	HAB	H 4020	8	87,649,601	87,656,201	6,600
del	LAB	L 3624	8	87,650,001	87,655,201	5,200
del	HAB	H 4021	8	87,660,801	87,668,801	8,000
del	LAB	L 3625	8	87,661,001	87,668,401	7,400
del	HAB	H 4022	8	87,683,201	87,690,601	7,400
del	LAB	L 3626	8	87,683,201	87,690,401	7,200
del	HAB	H 4023	8	87,700,401	87,703,801	3,400
del	HAB	H 4024	8	87,757,001	87,773,001	16,000
del	LAB	L 3627	8	87,757,401	87,770,601	13,200
del	LAB	L 3628	8	88,437,601	88,444,401	6,800
del	HAB	H 4025	8	88,633,801	88,640,001	6,200
del	LAB	L 3629	8	88,634,001	88,640,001	6,000
del	LAB	L 3630	8	88,712,601	88,718,201	5,600
del	LAB	L 3631	8	88,755,001	88,757,801	2,800
del	LAB	L 3632	8	88,896,401	88,903,001	6,600
del	LAB	L 3633	8	89,512,201	89,528,201	16,000
del	HAB	H 4026	8	89,514,801	89,527,801	13,000
del	HAB	H 4027	8	91,889,801	91,892,201	2,400
del	LAB	L 3634	8	91,890,201	91,892,201	2,000
del	HAB	H 4028	8	92,607,201	92,618,801	11,600
del	LAB	L 3635	8	92,607,401	92,618,601	11,200
del	HAB	H 4029	8	92,739,401	92,749,201	9,800
del	LAB	L 3636	8	92,739,601	92,750,201	10,600
del	HAB	H 4030	8	92,906,001	92,913,201	7,200
del	LAB	L 3637	8	92,906,001	92,912,801	6,800
del	HAB	H 4031	8	93,106,601	93,112,801	6,200
del	LAB	L 3638	8	93,107,001	93,112,201	5,200
del	HAB	H 4032	8	93,410,001	93,415,801	5,800
del	LAB	L 3639	8	93,410,201	93,416,001	5,800
del	HAB	H 4033	8	93,941,001	93,948,001	7,000
del	LAB	L 3640	8	93,941,201	93,948,201	7,000
del	HAB	H 4034	8	93,954,401	93,958,601	4,200
del	LAB	L 3641	8	93,954,601	93,958,601	4,000
del	HAB	H 4035	8	94,264,601	94,267,401	2,800
del	LAB	L 3642	8	94,265,001	94,267,401	2,400
del	HAB	H 4036	8	94,631,001	94,637,601	6,600
del	LAB	L 3643	8	94,631,001	94,636,801	5,800
del	HAB	H 4037	8	95,109,401	95,115,801	6,400
del	LAB	L 3644	8	95,110,001	95,115,801	5,800
del	HAB	H 4038	8	95,599,401	95,667,401	68,000



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3645	8	95,600,601	95,670,401	69,800
del	HAB	H 4039	8	95,865,401	95,872,201	6,800
del	HAB	H 4040	8	95,991,601	96,002,601	11,000
del	LAB	L 3646	8	95,991,601	96,002,401	10,800
del	HAB	H 4041	8	97,140,401	97,146,201	5,800
del	LAB	L 3647	8	97,140,601	97,146,001	5,400
del	LAB	L 3648	8	97,319,201	97,323,801	4,600
del	HAB	H 4042	8	97,319,401	97,324,201	4,800
del	HAB	H 4043	8	97,638,601	97,645,201	6,600
del	LAB	L 3649	8	97,638,601	97,645,001	6,400
del	HAB	H 4044	8	97,935,601	97,942,401	6,800
del	LAB	L 3650	8	97,936,001	97,942,001	6,000
del	HAB	H 4045	8	98,041,801	98,046,001	4,200
del	LAB	L 3651	8	98,042,201	98,045,801	3,600
del	HAB	H 4046	8	98,579,001	98,586,401	7,400
del	LAB	L 3652	8	98,579,401	98,586,601	7,200
del	HAB	H 4047	8	98,609,801	98,612,401	2,600
del	LAB	L 3653	8	98,610,401	98,612,601	2,200
del	HAB	H 4048	8	98,717,201	98,723,601	6,400
del	LAB	L 3654	8	98,717,401	98,723,401	6,000
del	HAB	H 4049	8	98,784,401	98,790,801	6,400
del	LAB	L 3655	8	98,784,401	98,790,801	6,400
del	HAB	H 4050	8	99,185,401	99,192,201	6,800
del	LAB	L 3656	8	99,185,601	99,192,401	6,800
del	HAB	H 4051	8	99,289,401	99,298,401	9,000
del	LAB	L 3657	8	99,289,801	99,297,801	8,000
del	HAB	H 4052	8	99,428,601	99,431,801	3,200
del	LAB	L 3658	8	99,428,801	99,431,801	3,000
del	HAB	H 4053	8	99,630,001	99,642,601	12,600
del	LAB	L 3659	8	99,630,001	99,642,401	12,400
del	LAB	L 3660	8	99,702,601	99,709,801	7,200
del	HAB	H 4054	8	99,703,001	99,709,801	6,800
del	HAB	H 4055	8	99,763,001	99,769,601	6,600
del	LAB	L 3661	8	99,763,401	99,769,401	6,000
del	HAB	H 4056	8	100,069,001	100,076,001	7,000
del	LAB	L 3662	8	100,069,201	100,076,001	6,800
del	HAB	H 4057	8	100,698,001	100,705,401	7,400
del	LAB	L 3663	8	100,698,001	100,705,001	7,000
del	HAB	H 4058	8	100,773,401	100,780,201	6,800
del	LAB	L 3664	8	100,773,801	100,780,201	6,400
del	HAB	H 4059	8	100,806,601	100,814,001	7,400
del	LAB	L 3665	8	100,806,801	100,813,801	7,000
del	HAB	H 4060	8	102,772,401	102,779,801	7,400
del	LAB	L 3666	8	102,772,601	102,779,401	6,800
del	LAB	L 3667	8	102,795,801	102,805,001	9,200
del	HAB	H 4061	8	102,798,601	102,805,801	7,200

type	mouse line	no.	chr	start	end	size
del	LAB	L 3668	8	102,871,801	102,879,401	7,600
del	HAB	H 4062	8	102,875,201	102,879,801	4,600
del	HAB	H 4063	8	103,042,401	103,047,001	4,600
del	LAB	L 3669	8	103,043,001	103,046,601	3,600
del	HAB	H 4064	8	103,121,801	103,135,201	13,400
del	LAB	L 3670	8	103,122,001	103,130,601	8,600
del	LAB	L 3671	8	103,135,201	103,145,601	10,400
del	HAB	H 4065	8	103,139,801	103,145,601	5,800
del	HAB	H 4066	8	103,636,401	103,646,601	10,200
del	LAB	L 3672	8	103,636,601	103,646,601	10,000
del	HAB	H 4067	8	103,732,001	103,741,401	9,400
del	LAB	L 3673	8	103,732,401	103,741,401	9,000
del	LAB	L 3674	8	103,764,401	103,772,201	7,800
del	HAB	H 4068	8	103,764,601	103,772,201	7,600
del	HAB	H 4069	8	103,884,601	103,899,601	15,000
del	LAB	L 3675	8	103,884,801	103,899,401	14,600
del	HAB	H 4070	8	104,487,401	104,490,801	3,400
del	LAB	L 3676	8	104,488,201	104,490,601	2,400
del	HAB	H 4071	8	104,503,401	104,506,601	3,200
del	LAB	L 3677	8	104,504,001	104,506,801	2,800
del	HAB	H 4072	8	104,528,801	104,534,201	5,400
del	LAB	L 3678	8	104,529,001	104,534,201	5,200
del	HAB	H 4073	8	104,559,601	104,564,601	5,000
del	LAB	L 3679	8	104,559,601	104,565,401	5,800
del	HAB	H 4074	8	104,637,201	104,643,001	5,800
del	LAB	L 3680	8	104,637,601	104,672,601	35,000
del	HAB	H 4075	8	104,648,601	104,672,601	24,000
del	HAB	H 4076	8	104,920,201	104,926,601	6,400
del	LAB	L 3681	8	104,920,401	104,926,601	6,200
del	HAB	H 4077	8	105,466,601	105,472,201	5,600
del	LAB	L 3682	8	105,466,601	105,472,201	5,600
del	HAB	H 4078	8	105,995,801	106,003,401	7,600
del	LAB	L 3683	8	105,996,001	106,003,401	7,400
del	LAB	L 3684	8	107,297,801	107,307,201	9,400
del	HAB	H 4079	8	107,338,801	107,344,401	5,600
del	LAB	L 3685	8	107,339,001	107,344,201	5,200
del	HAB	H 4080	8	107,551,001	107,559,401	8,400
del	LAB	L 3686	8	107,551,601	107,559,601	8,000
del	HAB	H 4081	8	109,003,801	109,016,801	13,000
del	LAB	L 3687	8	109,004,201	109,018,001	13,800
del	LAB	L 3688	8	109,200,401	109,208,801	8,400
del	LAB	L 3689	8	110,640,801	110,647,401	6,600
del	HAB	H 4082	8	110,641,001	110,647,401	6,400
del	HAB	H 4083	8	112,262,801	112,270,401	7,600
del	HAB	H 4084	8	116,086,801	116,099,001	12,200
del	LAB	L 3690	8	116,088,601	116,095,601	7,000

type	mouse line	no.	chr	start	end	size
del	HAB	H 4085	8	118,258,801	118,261,601	2,800
del	LAB	L 3691	8	118,258,801	118,261,401	2,600
del	HAB	H 4086	8	118,321,001	118,327,401	6,400
del	LAB	L 3692	8	118,321,201	118,327,201	6,000
del	HAB	H 4087	8	119,420,001	119,427,601	7,600
del	LAB	L 3693	8	119,471,201	119,474,401	3,200
del	HAB	H 4088	8	119,526,201	119,532,201	6,000
del	HAB	H 4089	8	121,569,001	121,576,401	7,400
del	LAB	L 3694	8	123,929,201	123,936,201	7,000
del	LAB	L 3695	8	124,346,001	124,351,201	5,200
del	HAB	H 4090	8	124,346,201	124,351,601	5,400
del	LAB	L 3696	8	124,357,401	124,365,401	8,000
del	HAB	H 4091	8	124,659,201	124,662,001	2,800
del	LAB	L 3697	8	124,659,401	124,661,601	2,200
del	HAB	H 4092	8	126,061,801	126,147,801	86,000
del	LAB	L 3698	8	126,061,801	126,148,201	86,400
del	LAB	L 3699	8	127,544,201	127,547,601	3,400
del	HAB	H 4093	8	130,388,401	130,398,401	10,000
del	LAB	L 3700	8	130,389,201	130,397,801	8,600
del	HAB	H 4094	8	131,270,201	131,277,801	7,600
del	LAB	L 3701	8	131,270,401	131,277,801	7,400
del	HAB	H 4095	8	131,295,001	131,305,201	10,200
del	LAB	L 3702	8	131,300,401	131,305,201	4,800
del	HAB	H 4096	8	131,424,801	131,445,401	20,600
del	LAB	L 3703	8	131,425,201	131,445,001	19,800
del	HAB	H 4097	8	131,666,001	131,682,801	16,800
del	LAB	L 3704	8	131,666,401	131,681,801	15,400
del	HAB	H 4098	9	3,001,801	3,076,801	75,000
del	LAB	L 3705	9	3,002,001	3,076,801	74,800
del	HAB	H 4099	9	3,164,401	3,173,201	8,800
del	LAB	L 3706	9	3,164,601	3,173,201	8,600
del	HAB	H 4100	9	3,461,601	3,466,201	4,600
del	HAB	H 4101	9	3,504,601	3,511,601	7,000
del	LAB	L 3707	9	3,504,801	3,511,601	6,800
del	HAB	H 4102	9	3,651,401	3,657,801	6,400
del	HAB	H 4103	9	3,945,401	3,957,401	12,000
del	LAB	L 3708	9	3,948,801	3,957,201	8,400
del	HAB	H 4104	9	4,182,401	4,189,201	6,800
del	LAB	L 3709	9	4,182,801	4,188,601	5,800
del	HAB	H 4105	9	4,239,001	4,251,001	12,000
del	LAB	L 3710	9	4,239,001	4,245,801	6,800
del	HAB	H 4106	9	6,632,201	6,637,401	5,200
del	LAB	L 3711	9	6,632,801	6,636,401	3,600
del	HAB	H 4107	9	6,749,201	6,767,001	17,800
del	HAB	H 4108	9	7,090,001	7,098,401	8,400
del	HAB	H 4109	9	7,479,801	7,493,001	13,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3712	9	7,480,201	7,490,601	10,400
del	HAB	H 4110	9	8,233,201	8,240,801	7,600
del	LAB	L 3713	9	8,235,401	8,239,601	4,200
del	HAB	H 4111	9	8,358,601	8,364,601	6,000
del	LAB	L 3714	9	8,359,401	8,364,401	5,000
del	HAB	H 4112	9	8,473,801	8,479,201	5,400
del	LAB	L 3715	9	8,474,601	8,478,001	3,400
del	HAB	H 4113	9	8,780,201	8,790,001	9,800
del	HAB	H 4114	9	9,865,601	9,870,001	4,400
del	LAB	L 3716	9	9,866,401	9,869,801	3,400
del	HAB	H 4115	9	10,157,201	10,160,601	3,400
del	HAB	H 4116	9	11,289,601	11,292,801	3,200
del	HAB	H 4117	9	12,364,401	12,373,801	9,400
del	LAB	L 3717	9	12,364,801	12,373,201	8,400
del	HAB	H 4118	9	12,842,001	12,847,801	5,800
del	LAB	L 3718	9	12,842,001	12,847,401	5,400
del	HAB	H 4119	9	13,031,801	13,045,201	13,400
del	LAB	L 3719	9	13,032,201	13,045,001	12,800
del	LAB	L 3720	9	16,411,601	16,424,001	12,400
del	HAB	H 4120	9	16,418,201	16,423,401	5,200
del	LAB	L 3721	9	16,490,401	16,499,201	8,800
del	HAB	H 4121	9	16,751,201	16,755,001	3,800
del	LAB	L 3722	9	16,863,801	16,872,401	8,600
del	LAB	L 3723	9	17,002,601	17,010,201	7,600
del	HAB	H 4122	9	17,003,201	17,010,401	7,200
del	LAB	L 3724	9	17,184,401	17,187,601	3,200
del	HAB	H 4123	9	17,865,801	17,873,401	7,600
del	LAB	L 3725	9	17,868,401	17,873,001	4,600
del	HAB	H 4124	9	17,990,201	17,996,801	6,600
del	LAB	L 3726	9	17,990,401	17,996,001	5,600
del	HAB	H 4125	9	18,039,401	18,049,201	9,800
del	LAB	L 3727	9	18,039,601	18,048,601	9,000
del	LAB	L 3728	9	18,785,401	18,794,401	9,000
del	HAB	H 4126	9	18,967,801	18,974,801	7,000
del	LAB	L 3729	9	18,968,201	18,974,801	6,600
del	LAB	L 3730	9	19,353,001	19,360,001	7,000
del	HAB	H 4127	9	19,354,601	19,360,201	5,600
del	LAB	L 3731	9	19,525,401	19,529,601	4,200
del	HAB	H 4128	9	19,819,201	19,823,001	3,800
del	LAB	L 3732	9	19,819,601	19,823,001	3,400
del	HAB	H 4129	9	19,995,001	20,002,801	7,800
del	HAB	H 4130	9	20,122,801	20,130,401	7,600
del	LAB	L 3733	9	20,122,801	20,130,201	7,400
del	LAB	L 3734	9	20,424,001	20,430,001	6,000
del	HAB	H 4131	9	21,323,401	21,326,201	2,800
del	HAB	H 4132	9	21,965,401	21,970,001	4,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3735	9	21,965,801	21,969,801	4,000
del	HAB	H 4133	9	21,994,201	21,997,401	3,200
del	LAB	L 3736	9	21,994,401	21,997,201	2,800
del	HAB	H 4134	9	22,523,801	22,536,201	12,400
del	HAB	H 4135	9	22,697,401	22,708,601	11,200
del	LAB	L 3737	9	22,697,401	22,708,201	10,800
del	HAB	H 4136	9	22,722,601	22,730,601	8,000
del	HAB	H 4137	9	23,086,601	23,092,401	5,800
del	LAB	L 3738	9	23,087,201	23,091,601	4,400
del	HAB	H 4138	9	23,545,201	23,549,601	4,400
del	HAB	H 4139	9	23,788,201	23,799,601	11,400
del	LAB	L 3739	9	23,788,601	23,798,001	9,400
del	HAB	H 4140	9	23,845,201	23,850,801	5,600
del	HAB	H 4141	9	23,946,401	23,963,801	17,400
del	HAB	H 4142	9	24,071,601	24,081,201	9,600
del	HAB	H 4143	9	24,330,001	24,340,201	10,200
del	LAB	L 3740	9	24,330,001	24,339,201	9,200
del	HAB	H 4144	9	24,376,001	24,380,401	4,400
del	HAB	H 4145	9	24,737,001	24,739,401	2,400
del	HAB	H 4146	9	25,039,801	25,046,001	6,200
del	LAB	L 3741	9	25,040,201	25,045,801	5,600
del	HAB	H 4147	9	25,772,401	25,779,801	7,400
del	LAB	L 3742	9	25,773,201	25,779,001	5,800
del	HAB	H 4148	9	25,904,001	25,910,801	6,800
del	HAB	H 4149	9	26,011,601	26,014,601	3,000
del	LAB	L 3743	9	26,011,801	26,014,401	2,600
del	HAB	H 4150	9	31,340,601	31,344,201	3,600
del	LAB	L 3744	9	32,685,001	32,687,401	2,400
del	LAB	L 3745	9	32,761,601	32,765,201	3,600
del	HAB	H 4151	9	32,957,401	32,968,401	11,000
del	LAB	L 3746	9	32,958,201	32,968,201	10,000
del	HAB	H 4152	9	33,025,401	33,027,201	1,800
del	HAB	H 4153	9	33,199,001	33,211,201	12,200
del	LAB	L 3747	9	33,201,401	33,211,001	9,600
del	HAB	H 4154	9	33,496,801	33,499,201	2,400
del	LAB	L 3748	9	33,497,201	33,498,601	1,400
del	HAB	H 4155	9	33,534,201	33,537,001	2,800
del	LAB	L 3749	9	33,534,401	33,536,801	2,400
del	HAB	H 4156	9	33,715,001	33,721,601	6,600
del	HAB	H 4157	9	33,759,601	33,773,601	14,000
del	LAB	L 3750	9	33,762,801	33,773,401	10,600
del	HAB	H 4158	9	35,192,001	35,202,201	10,200
del	HAB	H 4159	9	35,558,201	35,561,201	3,000
del	HAB	H 4160	9	35,822,801	35,832,401	9,600
del	HAB	H 4161	9	35,874,801	35,882,801	8,000
del	LAB	L 3751	9	35,875,401	35,882,601	7,200

type	mouse line	no.	chr	start	end	size
del	HAB	H 4162	9	36,347,001	36,351,001	4,000
del	HAB	H 4163	9	36,364,801	36,380,401	15,600
del	LAB	L 3752	9	36,364,801	36,379,001	14,200
del	HAB	H 4164	9	36,398,201	36,403,601	5,400
del	LAB	L 3753	9	36,398,601	36,402,401	3,800
del	HAB	H 4165	9	36,423,601	36,440,801	17,200
del	LAB	L 3754	9	36,423,801	36,440,801	17,000
del	HAB	H 4166	9	37,139,001	37,145,801	6,800
del	HAB	H 4167	9	38,306,001	38,314,001	8,000
del	LAB	L 3755	9	38,306,001	38,313,801	7,800
del	HAB	H 4168	9	38,439,801	38,450,801	11,000
del	HAB	H 4169	9	38,641,601	38,648,201	6,600
del	HAB	H 4170	9	38,703,601	38,706,001	2,400
del	HAB	H 4171	9	39,206,401	39,216,201	9,800
del	LAB	L 3756	9	39,206,601	39,220,601	14,000
del	HAB	H 4172	9	39,683,801	39,688,801	5,000
del	LAB	L 3757	9	39,684,601	39,688,601	4,000
del	LAB	L 3758	9	39,695,801	39,706,201	10,400
del	HAB	H 4173	9	39,700,401	39,706,201	5,800
del	HAB	H 4174	9	39,871,801	39,878,201	6,400
del	HAB	H 4175	9	40,299,401	40,305,801	6,400
del	HAB	H 4176	9	40,706,801	40,713,001	6,200
del	LAB	L 3759	9	40,707,001	40,712,801	5,800
del	HAB	H 4177	9	41,125,001	41,128,801	3,800
del	LAB	L 3760	9	41,125,201	41,128,601	3,400
del	HAB	H 4178	9	41,713,201	41,720,001	6,800
del	LAB	L 3761	9	41,713,201	41,719,801	6,600
del	HAB	H 4179	9	44,022,601	44,028,801	6,200
del	HAB	H 4180	9	44,173,401	44,180,201	6,800
del	HAB	H 4181	9	45,941,401	45,945,801	4,400
del	LAB	L 3762	9	45,941,401	45,946,201	4,800
del	LAB	L 3763	9	47,798,201	47,800,601	2,400
del	HAB	H 4182	9	48,326,801	48,331,601	4,800
del	HAB	H 4183	9	49,890,201	49,896,401	6,200
del	HAB	H 4184	9	50,087,201	50,098,601	11,400
del	LAB	L 3764	9	50,087,401	50,098,401	11,000
del	HAB	H 4185	9	51,372,601	51,379,201	6,600
del	HAB	H 4186	9	51,420,801	51,428,001	7,200
del	LAB	L 3765	9	51,421,201	51,427,601	6,400
del	HAB	H 4187	9	51,510,401	51,519,001	8,600
del	LAB	L 3766	9	51,510,601	51,518,401	7,800
del	HAB	H 4188	9	52,156,201	52,159,601	3,400
del	LAB	L 3767	9	52,156,601	52,159,401	2,800
del	HAB	H 4189	9	52,227,001	52,230,201	3,200
del	HAB	H 4190	9	52,414,601	52,419,201	4,600
del	LAB	L 3768	9	52,415,201	52,418,401	3,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4191	9	53,807,001	53,813,201	6,200
del	LAB	L 3769	9	53,807,401	53,813,001	5,600
del	HAB	H 4192	9	53,987,401	53,992,601	5,200
del	LAB	L 3770	9	53,987,801	53,992,201	4,400
del	HAB	H 4193	9	55,481,801	55,490,201	8,400
del	LAB	L 3771	9	55,481,801	55,489,801	8,000
del	HAB	H 4194	9	55,672,401	55,683,001	10,600
del	LAB	L 3772	9	55,672,601	55,681,001	8,400
del	HAB	H 4195	9	55,803,801	55,820,401	16,600
del	LAB	L 3773	9	55,804,601	55,820,001	15,400
del	HAB	H 4196	9	57,325,201	57,328,601	3,400
del	HAB	H 4197	9	58,626,201	58,633,401	7,200
del	LAB	L 3774	9	58,626,601	58,633,201	6,600
del	HAB	H 4198	9	59,059,801	59,061,601	1,800
del	HAB	H 4199	9	62,709,801	62,715,801	6,000
del	HAB	H 4200	9	64,258,401	64,265,401	7,000
del	HAB	H 4201	9	64,608,601	64,611,001	2,400
del	LAB	L 3775	9	64,608,801	64,611,001	2,200
del	HAB	H 4202	9	65,789,401	65,794,801	5,400
del	HAB	H 4203	9	65,829,801	65,832,801	3,000
del	LAB	L 3776	9	65,830,001	65,832,401	2,400
del	HAB	H 4204	9	67,046,601	67,052,801	6,200
del	LAB	L 3777	9	67,993,201	68,005,601	12,400
del	HAB	H 4205	9	68,293,601	68,308,201	14,600
del	LAB	L 3778	9	68,300,001	68,307,201	7,200
del	HAB	H 4206	9	68,371,801	68,380,201	8,400
del	LAB	L 3779	9	68,372,601	68,379,201	6,600
del	HAB	H 4207	9	70,928,601	70,944,001	15,400
del	LAB	L 3780	9	70,929,001	70,942,001	13,000
del	HAB	H 4208	9	70,962,001	70,968,601	6,600
del	HAB	H 4209	9	71,269,601	71,282,201	12,600
del	LAB	L 3781	9	71,270,001	71,281,401	11,400
del	HAB	H 4210	9	71,813,001	71,819,801	6,800
del	HAB	H 4211	9	72,743,801	72,748,601	4,800
del	LAB	L 3782	9	72,744,001	72,748,401	4,400
del	HAB	H 4212	9	73,143,601	73,149,401	5,800
del	HAB	H 4213	9	73,748,201	73,752,401	4,200
del	HAB	H 4214	9	73,787,801	73,793,601	5,800
del	LAB	L 3783	9	73,788,001	73,793,601	5,600
del	HAB	H 4215	9	74,476,401	74,489,401	13,000
del	LAB	L 3784	9	74,481,201	74,488,601	7,400
del	HAB	H 4216	9	75,763,201	75,772,201	9,000
del	HAB	H 4217	9	77,179,801	77,181,601	1,800
del	HAB	H 4218	9	78,027,801	78,030,201	2,400
del	HAB	H 4219	9	78,130,401	78,137,401	7,000
del	HAB	H 4220	9	78,410,401	78,416,001	5,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3785	9	78,410,601	78,415,801	5,200
del	HAB	H 4221	9	78,730,601	78,738,001	7,400
del	LAB	L 3786	9	78,731,001	78,738,001	7,000
del	HAB	H 4222	9	79,250,801	79,257,801	7,000
del	LAB	L 3787	9	79,250,801	79,257,201	6,400
del	HAB	H 4223	9	79,313,401	79,319,401	6,000
del	LAB	L 3788	9	79,313,601	79,319,201	5,600
del	HAB	H 4224	9	79,333,201	79,340,401	7,200
del	LAB	L 3789	9	79,333,801	79,340,001	6,200
del	HAB	H 4225	9	79,747,801	79,751,601	3,800
del	LAB	L 3790	9	79,748,201	79,751,601	3,400
del	HAB	H 4226	9	80,257,001	80,327,001	70,000
del	LAB	L 3791	9	80,257,201	80,326,801	69,600
del	HAB	H 4227	9	80,413,601	80,420,001	6,400
del	HAB	H 4228	9	80,480,801	80,487,601	6,800
del	LAB	L 3792	9	80,480,801	80,487,401	6,600
del	HAB	H 4229	9	80,554,401	80,559,801	5,400
del	HAB	H 4230	9	80,614,601	80,629,801	15,200
del	LAB	L 3793	9	80,615,201	80,629,201	14,000
del	HAB	H 4231	9	80,943,601	80,962,801	19,200
del	HAB	H 4232	9	81,076,601	81,082,601	6,000
del	HAB	H 4233	9	81,140,801	81,153,201	12,400
del	LAB	L 3794	9	81,140,801	81,153,001	12,200
del	LAB	L 3795	9	81,169,401	81,174,001	4,600
del	HAB	H 4234	9	81,169,601	81,174,201	4,600
del	HAB	H 4235	9	81,192,201	81,196,401	4,200
del	HAB	H 4236	9	81,378,401	81,385,401	7,000
del	HAB	H 4237	9	81,507,801	81,514,201	6,400
del	HAB	H 4238	9	81,824,001	81,830,401	6,400
del	HAB	H 4239	9	82,246,201	82,252,801	6,600
del	HAB	H 4240	9	82,260,401	82,265,801	5,400
del	HAB	H 4241	9	82,363,401	82,370,201	6,800
del	HAB	H 4242	9	82,458,401	82,465,801	7,400
del	LAB	L 3796	9	82,458,601	82,465,401	6,800
del	HAB	H 4243	9	82,661,601	82,676,201	14,600
del	LAB	L 3797	9	82,668,401	82,675,801	7,400
del	LAB	L 3798	9	83,059,201	83,066,801	7,600
del	HAB	H 4244	9	83,063,801	83,070,801	7,000
del	HAB	H 4245	9	83,833,001	83,843,401	10,400
del	LAB	L 3799	9	83,833,201	83,843,001	9,800
del	HAB	H 4246	9	84,107,601	84,117,401	9,800
del	LAB	L 3800	9	84,107,601	84,117,201	9,600
del	HAB	H 4247	9	84,198,201	84,201,201	3,000
del	LAB	L 3801	9	84,198,201	84,201,001	2,800
del	HAB	H 4248	9	84,403,601	84,409,601	6,000
del	HAB	H 4249	9	84,888,001	84,891,801	3,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3802	9	84,888,601	84,891,601	3,000
del	HAB	H 4250	9	84,960,201	84,971,601	11,400
del	LAB	L 3803	9	84,960,401	84,971,401	11,000
del	HAB	H 4251	9	85,792,601	85,799,001	6,400
del	LAB	L 3804	9	85,793,001	85,798,801	5,800
del	HAB	H 4252	9	85,810,401	85,813,001	2,600
del	HAB	H 4253	9	85,956,201	85,963,401	7,200
del	HAB	H 4254	9	86,010,401	86,020,201	9,800
del	LAB	L 3805	9	86,010,601	86,019,801	9,200
del	HAB	H 4255	9	86,085,401	86,093,001	7,600
del	LAB	L 3806	9	86,085,401	86,092,801	7,400
del	HAB	H 4256	9	86,994,601	87,006,401	11,800
del	LAB	L 3807	9	87,050,801	87,057,001	6,200
del	HAB	H 4257	9	87,377,401	87,395,401	18,000
del	LAB	L 3808	9	87,386,401	87,393,401	7,000
del	HAB	H 4258	9	87,478,801	87,488,201	9,400
del	HAB	H 4259	9	87,566,001	87,572,401	6,400
del	LAB	L 3809	9	87,684,601	87,690,601	6,000
del	HAB	H 4260	9	87,684,801	87,690,601	5,800
del	HAB	H 4261	9	87,723,201	87,731,801	8,600
del	LAB	L 3810	9	87,723,801	87,734,601	10,800
del	LAB	L 3811	9	87,840,401	87,847,001	6,600
del	LAB	L 3812	9	88,025,001	88,030,801	5,800
del	HAB	H 4262	9	88,215,801	88,218,601	2,800
del	HAB	H 4263	9	88,553,201	88,567,001	13,800
del	LAB	L 3813	9	88,554,001	88,566,401	12,400
del	HAB	H 4264	9	88,643,801	88,646,001	2,200
del	HAB	H 4265	9	88,716,201	88,723,401	7,200
del	LAB	L 3814	9	88,716,201	88,723,001	6,800
del	HAB	H 4266	9	88,776,601	88,787,601	11,000
del	HAB	H 4267	9	88,891,201	88,897,401	6,200
del	HAB	H 4268	9	88,962,801	88,969,801	7,000
del	LAB	L 3815	9	88,963,001	88,969,601	6,600
del	LAB	L 3816	9	89,233,801	89,248,601	14,800
del	HAB	H 4269	9	90,221,001	90,241,801	20,800
del	LAB	L 3817	9	90,228,401	90,242,001	13,600
del	HAB	H 4270	9	90,690,801	90,696,601	5,800
del	LAB	L 3818	9	90,690,801	90,696,001	5,200
del	LAB	L 3819	9	91,127,201	91,140,801	13,600
del	HAB	H 4271	9	91,127,401	91,140,401	13,000
del	HAB	H 4272	9	91,533,201	91,540,201	7,000
del	LAB	L 3820	9	91,533,801	91,539,201	5,400
del	HAB	H 4273	9	91,609,001	91,613,801	4,800
del	LAB	L 3821	9	91,609,601	91,613,001	3,400
del	HAB	H 4274	9	92,908,601	92,922,801	14,200
del	HAB	H 4275	9	93,185,401	93,190,601	5,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3822	9	93,185,801	93,190,201	4,400
del	HAB	H 4276	9	93,289,601	93,296,001	6,400
del	HAB	H 4277	9	93,327,801	93,339,801	12,000
del	HAB	H 4278	9	93,512,401	93,524,601	12,200
del	HAB	H 4279	9	94,400,001	94,404,401	4,400
del	LAB	L 3823	9	94,400,201	94,404,201	4,000
del	HAB	H 4280	9	97,229,601	97,237,601	8,000
del	LAB	L 3824	9	97,230,601	97,237,201	6,600
del	HAB	H 4281	9	98,243,601	98,246,001	2,400
del	HAB	H 4282	9	98,352,001	98,359,001	7,000
del	LAB	L 3825	9	98,352,201	98,358,601	6,400
del	HAB	H 4283	9	98,578,201	98,587,001	8,800
del	LAB	L 3826	9	98,578,601	98,584,201	5,600
del	HAB	H 4284	9	98,646,201	98,649,001	2,800
del	HAB	H 4285	9	98,667,001	98,671,801	4,800
del	LAB	L 3827	9	99,167,401	99,173,001	5,600
del	HAB	H 4286	9	99,657,201	99,663,601	6,400
del	LAB	L 3828	9	99,657,601	99,663,201	5,600
del	HAB	H 4287	9	99,974,401	99,981,001	6,600
del	HAB	H 4288	9	100,959,401	100,964,001	4,600
del	LAB	L 3829	9	100,961,201	100,964,001	2,800
del	HAB	H 4289	9	100,990,201	100,993,601	3,400
del	HAB	H 4290	9	101,065,401	101,071,401	6,000
del	HAB	H 4291	9	101,195,401	101,200,601	5,200
del	HAB	H 4292	9	101,329,801	101,336,601	6,800
del	HAB	H 4293	9	101,682,601	101,685,001	2,400
del	HAB	H 4294	9	103,198,601	103,202,601	4,000
del	LAB	L 3830	9	103,198,801	103,202,401	3,600
del	HAB	H 4295	9	103,355,601	103,361,401	5,800
del	LAB	L 3831	9	103,355,801	103,361,401	5,600
del	HAB	H 4296	9	104,884,001	104,885,401	1,400
del	HAB	H 4297	9	105,228,201	105,230,801	2,600
del	HAB	H 4298	9	105,235,001	105,247,201	12,200
del	LAB	L 3832	9	105,236,001	105,247,001	11,000
del	LAB	L 3833	9	105,385,401	105,388,001	2,600
del	LAB	L 3834	9	105,510,201	105,513,201	3,000
del	HAB	H 4299	9	105,526,001	105,532,201	6,200
del	HAB	H 4300	9	106,487,001	106,493,401	6,400
del	HAB	H 4301	9	106,820,801	106,827,001	6,200
del	LAB	L 3835	9	106,821,001	106,826,401	5,400
del	HAB	H 4302	9	106,974,601	106,981,201	6,600
del	HAB	H 4303	9	107,002,201	107,006,201	4,000
del	HAB	H 4304	9	107,021,601	107,046,801	25,200
del	LAB	L 3836	9	107,027,201	107,046,201	19,000
del	HAB	H 4305	9	107,106,801	107,122,001	15,200
del	HAB	H 4306	9	109,145,201	109,155,001	9,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 3837	9	109,145,801	109,154,801	9,000
del	HAB	H 4307	9	109,204,201	109,216,801	12,600
del	LAB	L 3838	9	109,208,201	109,216,201	8,000
del	HAB	H 4308	9	109,250,201	109,271,001	20,800
del	LAB	L 3839	9	109,250,801	109,270,201	19,400
del	HAB	H 4309	9	109,296,201	109,299,601	3,400
del	LAB	L 3840	9	109,296,801	109,299,401	2,600
del	HAB	H 4310	9	109,319,401	109,326,001	6,600
del	LAB	L 3841	9	109,319,401	109,325,801	6,400
del	HAB	H 4311	9	110,872,601	110,878,601	6,000
del	HAB	H 4312	9	111,603,601	111,606,601	3,000
del	LAB	L 3842	9	111,603,801	111,606,001	2,200
del	HAB	H 4313	9	111,708,001	111,714,201	6,200
del	HAB	H 4314	9	112,232,801	112,238,801	6,000
del	HAB	H 4315	9	112,522,001	112,527,801	5,800
del	HAB	H 4316	9	112,563,801	112,569,601	5,800
del	HAB	H 4317	9	114,081,001	114,089,001	8,000
del	LAB	L 3843	9	114,081,201	114,088,801	7,600
del	LAB	L 3844	9	114,128,801	114,134,201	5,400
del	HAB	H 4318	9	114,190,401	114,203,201	12,800
del	LAB	L 3845	9	114,190,401	114,202,601	12,200
del	HAB	H 4319	9	114,879,201	114,884,001	4,800
del	HAB	H 4320	9	114,987,201	114,994,001	6,800
del	LAB	L 3846	9	116,351,201	116,354,801	3,600
del	LAB	L 3847	9	117,897,401	117,904,801	7,400
del	LAB	L 3848	9	117,914,401	117,920,401	6,000
del	LAB	L 3849	9	117,997,201	118,001,401	4,200
del	HAB	H 4321	9	117,997,401	118,001,801	4,400
del	HAB	H 4322	9	119,772,401	119,778,801	6,400
del	LAB	L 3850	9	119,772,401	119,778,601	6,200
del	HAB	H 4323	9	121,129,401	121,148,401	19,000
del	LAB	L 3851	9	121,129,601	121,148,201	18,600
del	HAB	H 4324	9	122,450,201	122,454,801	4,600
del	LAB	L 3852	9	122,450,401	122,454,401	4,000
del	HAB	H 4325	9	123,834,401	123,840,801	6,400
del	LAB	L 3853	9	123,834,801	123,840,601	5,800
del	HAB	H 4326	9	123,867,601	123,874,401	6,800
del	LAB	L 3854	9	123,867,801	123,874,201	6,400
del	LAB	L 3855	9	123,961,401	123,963,401	2,000
del	LAB	L 3856	10	3,007,801	3,017,801	10,000
del	HAB	H 4327	10	3,008,401	3,031,001	22,600
del	HAB	H 4328	10	3,102,001	3,105,601	3,600
del	LAB	L 3857	10	3,102,401	3,106,001	3,600
del	HAB	H 4329	10	3,685,001	3,694,601	9,600
del	LAB	L 3858	10	3,685,601	3,692,001	6,400
del	HAB	H 4330	10	3,700,201	3,716,401	16,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3859	10	3,702,401	3,715,801	13,400
del	LAB	L 3860	10	3,775,001	3,779,401	4,400
del	LAB	L 3861	10	3,992,601	3,999,201	6,600
del	HAB	H 4331	10	3,993,601	3,999,401	5,800
del	LAB	L 3862	10	4,118,601	4,142,001	23,400
del	HAB	H 4332	10	4,127,201	4,141,401	14,200
del	HAB	H 4333	10	4,166,401	4,172,601	6,200
del	HAB	H 4334	10	4,759,801	4,766,601	6,800
del	LAB	L 3863	10	4,759,801	4,766,601	6,800
del	LAB	L 3864	10	4,948,201	4,955,601	7,400
del	HAB	H 4335	10	4,948,401	4,958,001	9,600
del	HAB	H 4336	10	5,434,401	5,439,801	5,400
del	HAB	H 4337	10	5,899,401	5,903,601	4,200
del	LAB	L 3865	10	5,900,001	5,903,201	3,200
del	HAB	H 4338	10	7,092,801	7,100,401	7,600
del	LAB	L 3866	10	7,092,801	7,100,401	7,600
del	HAB	H 4339	10	7,229,201	7,237,201	8,000
del	LAB	L 3867	10	7,229,601	7,237,001	7,400
del	HAB	H 4340	10	7,988,001	7,991,001	3,000
del	LAB	L 3868	10	7,988,201	7,992,601	4,400
del	HAB	H 4341	10	8,031,801	8,034,801	3,000
del	HAB	H 4342	10	8,264,001	8,271,801	7,800
del	LAB	L 3869	10	8,264,001	8,271,401	7,400
del	LAB	L 3870	10	8,319,201	8,328,601	9,400
del	LAB	L 3871	10	9,160,401	9,163,001	2,600
del	HAB	H 4343	10	9,160,601	9,163,201	2,600
del	HAB	H 4344	10	9,746,401	9,755,001	8,600
del	LAB	L 3872	10	9,746,601	9,755,601	9,000
del	HAB	H 4345	10	9,999,601	10,004,601	5,000
del	HAB	H 4346	10	10,221,601	10,227,801	6,200
del	LAB	L 3873	10	10,223,201	10,229,001	5,800
del	HAB	H 4347	10	10,675,401	10,702,001	26,600
del	LAB	L 3874	10	10,675,801	10,701,601	25,800
del	HAB	H 4348	10	10,938,001	10,944,801	6,800
del	LAB	L 3875	10	10,938,201	10,944,601	6,400
del	HAB	H 4349	10	11,116,601	11,127,601	11,000
del	LAB	L 3876	10	11,116,601	11,125,801	9,200
del	HAB	H 4350	10	11,240,601	11,249,401	8,800
del	LAB	L 3877	10	11,240,601	11,249,001	8,400
del	HAB	H 4351	10	11,341,801	11,355,401	13,600
del	LAB	L 3878	10	11,407,801	11,420,401	12,600
del	HAB	H 4352	10	11,411,601	11,420,401	8,800
del	HAB	H 4353	10	11,573,001	11,585,401	12,400
del	LAB	L 3879	10	11,573,001	11,584,801	11,800
del	HAB	H 4354	10	11,786,001	11,793,001	7,000
del	LAB	L 3880	10	11,786,001	11,792,601	6,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4355	10	11,981,201	11,994,401	13,200
del	LAB	L 3881	10	11,981,401	11,994,801	13,400
del	HAB	H 4356	10	12,017,601	12,023,601	6,000
del	HAB	H 4357	10	12,109,001	12,115,601	6,600
del	LAB	L 3882	10	12,109,201	12,115,401	6,200
del	LAB	L 3883	10	14,636,601	14,654,401	17,800
del	HAB	H 4358	10	14,639,001	14,654,401	15,400
del	HAB	H 4359	10	14,767,601	14,772,801	5,200
del	LAB	L 3884	10	14,767,801	14,772,401	4,600
del	LAB	L 3885	10	14,779,801	14,816,401	36,600
del	HAB	H 4360	10	14,783,001	14,790,601	7,600
del	HAB	H 4361	10	14,846,201	14,850,201	4,000
del	LAB	L 3886	10	14,846,201	14,850,401	4,200
del	LAB	L 3887	10	14,876,401	14,886,401	10,000
del	HAB	H 4362	10	14,877,201	14,886,801	9,600
del	LAB	L 3888	10	14,897,401	14,927,001	29,600
del	HAB	H 4363	10	14,898,201	14,927,001	28,800
del	LAB	L 3889	10	15,055,801	15,077,401	21,600
del	HAB	H 4364	10	15,060,401	15,077,601	17,200
del	LAB	L 3890	10	15,100,601	15,107,201	6,600
del	LAB	L 3891	10	15,286,601	15,304,801	18,200
del	HAB	H 4365	10	15,288,801	15,303,801	15,000
del	LAB	L 3892	10	15,315,001	15,321,201	6,200
del	LAB	L 3893	10	15,339,401	15,361,401	22,000
del	HAB	H 4366	10	15,615,201	15,620,201	5,000
del	LAB	L 3894	10	15,616,001	15,619,601	3,600
del	LAB	L 3895	10	16,031,601	16,046,001	14,400
del	HAB	H 4367	10	16,031,801	16,045,401	13,600
del	LAB	L 3896	10	16,463,401	16,469,401	6,000
del	HAB	H 4368	10	16,465,201	16,470,001	4,800
del	HAB	H 4369	10	16,491,001	16,503,201	12,200
del	LAB	L 3897	10	16,491,001	16,500,401	9,400
del	HAB	H 4370	10	16,540,001	16,548,401	8,400
del	LAB	L 3898	10	16,540,001	16,548,601	8,600
del	LAB	L 3899	10	16,687,401	16,693,601	6,200
del	LAB	L 3900	10	16,850,801	16,870,801	20,000
del	HAB	H 4371	10	16,858,401	16,870,401	12,000
del	HAB	H 4372	10	17,530,801	17,533,601	2,800
del	HAB	H 4373	10	17,998,401	18,001,801	3,400
del	LAB	L 3901	10	17,998,601	18,001,401	2,800
del	HAB	H 4374	10	18,990,001	18,994,201	4,200
del	LAB	L 3902	10	18,990,001	18,993,401	3,400
del	HAB	H 4375	10	19,497,401	19,504,401	7,000
del	LAB	L 3903	10	19,498,001	19,507,201	9,200
del	LAB	L 3904	10	19,517,201	19,521,201	4,000
del	LAB	L 3905	10	20,363,001	20,369,401	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3906	10	20,931,201	20,936,401	5,200
del	HAB	H 4376	10	21,362,001	21,369,801	7,800
del	HAB	H 4377	10	21,447,801	21,456,001	8,200
del	LAB	L 3907	10	21,763,801	21,766,801	3,000
del	HAB	H 4378	10	21,764,001	21,766,601	2,600
del	LAB	L 3908	10	21,963,401	21,972,001	8,600
del	LAB	L 3909	10	22,035,801	22,051,801	16,000
del	HAB	H 4379	10	22,037,601	22,052,401	14,800
del	LAB	L 3910	10	22,154,201	22,161,801	7,600
del	HAB	H 4380	10	22,244,201	22,263,401	19,200
del	LAB	L 3911	10	22,244,401	22,259,601	15,200
del	HAB	H 4381	10	22,403,001	22,410,601	7,600
del	HAB	H 4382	10	22,454,001	22,463,601	9,600
del	LAB	L 3912	10	22,454,401	22,462,401	8,000
del	HAB	H 4383	10	22,475,401	22,487,001	11,600
del	LAB	L 3913	10	22,475,601	22,488,001	12,400
del	HAB	H 4384	10	22,652,401	22,668,801	16,400
del	LAB	L 3914	10	22,652,601	22,664,201	11,600
del	HAB	H 4385	10	23,195,601	23,201,601	6,000
del	LAB	L 3915	10	23,195,801	23,201,801	6,000
del	HAB	H 4386	10	23,342,601	23,379,601	37,000
del	LAB	L 3916	10	23,342,601	23,365,401	22,800
del	LAB	L 3917	10	23,371,001	23,377,001	6,000
del	HAB	H 4387	10	23,576,201	23,582,401	6,200
del	LAB	L 3918	10	23,576,801	23,581,801	5,000
del	HAB	H 4388	10	23,589,801	23,598,801	9,000
del	LAB	L 3919	10	23,589,801	23,598,201	8,400
del	LAB	L 3920	10	23,814,001	23,824,601	10,600
del	HAB	H 4389	10	23,816,601	23,824,401	7,800
del	HAB	H 4390	10	24,406,001	24,411,401	5,400
del	LAB	L 3921	10	24,406,601	24,411,401	4,800
del	HAB	H 4391	10	24,574,801	24,583,401	8,600
del	LAB	L 3922	10	24,576,001	24,583,401	7,400
del	HAB	H 4392	10	24,725,801	24,729,801	4,000
del	HAB	H 4393	10	24,821,201	24,826,601	5,400
del	LAB	L 3923	10	24,821,201	24,827,001	5,800
del	HAB	H 4394	10	25,138,401	25,145,601	7,200
del	LAB	L 3924	10	25,138,801	25,145,401	6,600
del	LAB	L 3925	10	25,377,601	25,390,001	12,400
del	HAB	H 4395	10	25,615,401	25,623,801	8,400
del	HAB	H 4396	10	25,653,201	25,663,001	9,800
del	LAB	L 3926	10	25,653,601	25,663,001	9,400
del	HAB	H 4397	10	25,887,201	25,891,201	4,000
del	LAB	L 3927	10	26,316,001	26,322,601	6,600
del	HAB	H 4398	10	26,316,401	26,323,001	6,600
del	HAB	H 4399	10	26,360,801	26,364,401	3,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3928	10	26,360,801	26,364,201	3,400
del	HAB	H 4400	10	26,974,401	26,983,401	9,000
del	LAB	L 3929	10	26,975,001	26,983,601	8,600
del	HAB	H 4401	10	27,073,401	27,080,401	7,000
del	LAB	L 3930	10	27,073,601	27,080,201	6,600
del	HAB	H 4402	10	27,175,601	27,181,801	6,200
del	LAB	L 3931	10	27,175,601	27,182,401	6,800
del	HAB	H 4403	10	27,433,801	27,443,401	9,600
del	LAB	L 3932	10	27,434,001	27,442,801	8,800
del	HAB	H 4404	10	27,507,601	27,517,601	10,000
del	LAB	L 3933	10	27,508,201	27,517,001	8,800
del	HAB	H 4405	10	27,538,201	27,545,601	7,400
del	LAB	L 3934	10	27,538,401	27,545,801	7,400
del	HAB	H 4406	10	28,429,001	28,436,001	7,000
del	LAB	L 3935	10	28,429,001	28,436,201	7,200
del	HAB	H 4407	10	28,627,801	28,639,401	11,600
del	LAB	L 3936	10	28,629,401	28,639,601	10,200
del	LAB	L 3937	10	28,654,201	28,667,401	13,200
del	HAB	H 4408	10	28,654,401	28,665,201	10,800
del	HAB	H 4409	10	28,802,201	28,809,001	6,800
del	HAB	H 4410	10	29,339,401	29,346,001	6,600
del	LAB	L 3938	10	29,339,801	29,345,801	6,000
del	HAB	H 4411	10	29,478,601	29,488,601	10,000
del	LAB	L 3939	10	29,478,801	29,488,401	9,600
del	HAB	H 4412	10	29,674,201	29,690,601	16,400
del	LAB	L 3940	10	29,674,401	29,686,201	11,800
del	LAB	L 3941	10	29,924,001	29,940,801	16,800
del	HAB	H 4413	10	29,924,201	29,940,601	16,400
del	LAB	L 3942	10	30,189,001	30,212,001	23,000
del	HAB	H 4414	10	30,189,601	30,215,201	25,600
del	LAB	L 3943	10	30,581,601	30,596,401	14,800
del	HAB	H 4415	10	30,581,801	30,592,201	10,400
del	HAB	H 4416	10	30,620,801	30,633,401	12,600
del	LAB	L 3944	10	30,621,201	30,627,601	6,400
del	HAB	H 4417	10	30,778,801	30,783,401	4,600
del	LAB	L 3945	10	30,779,601	30,782,801	3,200
del	HAB	H 4418	10	31,384,601	31,397,601	13,000
del	LAB	L 3946	10	31,384,601	31,397,401	12,800
del	HAB	H 4419	10	32,536,201	32,543,801	7,600
del	LAB	L 3947	10	32,536,601	32,543,601	7,000
del	HAB	H 4420	10	32,643,601	32,655,801	12,200
del	LAB	L 3948	10	32,644,401	32,654,001	9,600
del	HAB	H 4421	10	33,216,401	33,232,001	15,600
del	LAB	L 3949	10	33,216,601	33,232,001	15,400
del	HAB	H 4422	10	33,323,201	33,329,801	6,600
del	LAB	L 3950	10	33,323,201	33,330,001	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4423	10	33,547,601	33,572,401	24,800
del	LAB	L 3951	10	33,548,001	33,572,601	24,600
del	HAB	H 4424	10	34,207,801	34,214,401	6,600
del	LAB	L 3952	10	34,208,201	34,214,201	6,000
del	HAB	H 4425	10	34,459,201	34,467,401	8,200
del	LAB	L 3953	10	34,460,601	34,467,601	7,000
del	HAB	H 4426	10	34,644,801	34,651,401	6,600
del	LAB	L 3954	10	34,645,001	34,651,401	6,400
del	HAB	H 4427	10	35,028,601	35,050,801	22,200
del	LAB	L 3955	10	35,029,001	35,050,801	21,800
del	HAB	H 4428	10	35,076,201	35,080,801	4,600
del	LAB	L 3956	10	35,076,601	35,084,401	7,800
del	LAB	L 3957	10	35,227,801	35,244,601	16,800
del	HAB	H 4429	10	35,228,401	35,244,601	16,200
del	HAB	H 4430	10	35,392,401	35,400,801	8,400
del	LAB	L 3958	10	35,392,601	35,400,401	7,800
del	LAB	L 3959	10	35,880,001	35,890,401	10,400
del	HAB	H 4431	10	35,882,601	35,891,201	8,600
del	LAB	L 3960	10	36,315,601	36,322,801	7,200
del	HAB	H 4432	10	36,315,801	36,324,201	8,400
del	HAB	H 4433	10	36,358,001	36,364,801	6,800
del	LAB	L 3961	10	36,358,201	36,365,001	6,800
del	LAB	L 3962	10	37,648,601	37,654,601	6,000
del	HAB	H 4434	10	37,939,401	37,946,001	6,600
del	LAB	L 3963	10	37,940,201	37,946,801	6,600
del	LAB	L 3964	10	37,984,001	37,991,401	7,400
del	HAB	H 4435	10	37,984,601	37,991,801	7,200
del	LAB	L 3965	10	38,472,601	38,502,201	29,600
del	HAB	H 4436	10	38,473,201	38,502,001	28,800
del	HAB	H 4437	10	39,693,401	39,697,201	3,800
del	LAB	L 3966	10	39,693,601	39,697,201	3,600
del	HAB	H 4438	10	42,981,601	42,987,601	6,000
del	LAB	L 3967	10	42,981,601	42,987,601	6,000
del	LAB	L 3968	10	43,927,001	43,944,801	17,800
del	HAB	H 4439	10	43,928,001	43,945,001	17,000
del	HAB	H 4440	10	45,231,601	45,250,801	19,200
del	LAB	L 3969	10	45,234,601	45,250,801	16,200
del	LAB	L 3970	10	45,274,601	45,288,601	14,000
del	HAB	H 4441	10	45,275,001	45,288,801	13,800
del	HAB	H 4442	10	45,855,801	45,859,201	3,400
del	LAB	L 3971	10	45,856,201	45,859,001	2,800
del	LAB	L 3972	10	46,296,001	46,300,601	4,600
del	HAB	H 4443	10	46,297,401	46,300,801	3,400
del	HAB	H 4444	10	46,632,601	46,639,601	7,000
del	LAB	L 3973	10	46,633,001	46,639,201	6,200
del	HAB	H 4445	10	46,682,201	46,697,601	15,400



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3974	10	46,682,201	46,697,401	15,200
del	HAB	H 4446	10	46,717,801	46,728,601	10,800
del	LAB	L 3975	10	46,718,001	46,728,401	10,400
del	HAB	H 4447	10	46,788,001	46,794,801	6,800
del	LAB	L 3976	10	46,788,001	46,794,201	6,200
del	HAB	H 4448	10	47,045,801	47,056,401	10,600
del	LAB	L 3977	10	47,045,801	47,054,001	8,200
del	HAB	H 4449	10	47,158,001	47,164,801	6,800
del	LAB	L 3978	10	47,158,201	47,164,801	6,600
del	HAB	H 4450	10	47,171,601	47,176,801	5,200
del	LAB	L 3979	10	47,171,601	47,176,601	5,000
del	HAB	H 4451	10	47,386,401	47,394,601	8,200
del	LAB	L 3980	10	47,387,401	47,394,601	7,200
del	LAB	L 3981	10	47,516,401	47,535,001	18,600
del	HAB	H 4452	10	47,519,001	47,534,001	15,000
del	HAB	H 4453	10	47,755,801	47,778,801	23,000
del	LAB	L 3982	10	47,756,001	47,778,601	22,600
del	HAB	H 4454	10	47,897,401	47,899,801	2,400
del	LAB	L 3983	10	47,897,401	47,899,601	2,200
del	HAB	H 4455	10	47,949,201	47,961,201	12,000
del	LAB	L 3984	10	47,950,401	47,961,001	10,600
del	HAB	H 4456	10	48,102,001	48,111,001	9,000
del	LAB	L 3985	10	48,102,401	48,122,801	20,400
del	HAB	H 4457	10	48,116,201	48,122,801	6,600
del	HAB	H 4458	10	48,392,601	48,398,401	5,800
del	LAB	L 3986	10	48,392,601	48,398,001	5,400
del	HAB	H 4459	10	48,404,201	48,441,601	37,400
del	LAB	L 3987	10	48,434,201	48,441,601	7,400
del	LAB	L 3988	10	48,545,401	48,556,201	10,800
del	LAB	L 3989	10	48,688,601	48,692,401	3,800
del	LAB	L 3990	10	49,281,401	49,285,001	3,600
del	LAB	L 3991	10	49,539,001	49,557,001	18,000
del	HAB	H 4460	10	49,540,001	49,557,001	17,000
del	LAB	L 3992	10	49,573,401	49,577,001	3,600
del	HAB	H 4461	10	49,677,801	49,687,601	9,800
del	LAB	L 3993	10	49,677,801	49,686,201	8,400
del	HAB	H 4462	10	50,010,801	50,020,001	9,200
del	LAB	L 3994	10	50,211,201	50,215,201	4,000
del	LAB	L 3995	10	50,263,001	50,271,201	8,200
del	HAB	H 4463	10	50,263,601	50,271,201	7,600
del	HAB	H 4464	10	50,524,801	50,529,801	5,000
del	LAB	L 3996	10	50,525,601	50,529,601	4,000
del	HAB	H 4465	10	50,841,001	50,861,801	20,800
del	LAB	L 3997	10	50,850,801	50,861,801	11,000
del	HAB	H 4466	10	51,061,601	51,076,201	14,600
del	LAB	L 3998	10	51,069,601	51,076,201	6,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 3999	10	51,162,401	51,167,001	4,600
del	HAB	H 4467	10	51,162,801	51,168,001	5,200
del	LAB	L 4000	10	51,706,801	51,730,601	23,800
del	HAB	H 4468	10	51,707,201	51,730,401	23,200
del	HAB	H 4469	10	52,168,601	52,175,001	6,400
del	LAB	L 4001	10	52,171,001	52,175,001	4,000
del	LAB	L 4002	10	52,210,201	52,221,801	11,600
del	HAB	H 4470	10	52,213,201	52,221,601	8,400
del	HAB	H 4471	10	52,317,601	52,332,001	14,400
del	LAB	L 4003	10	52,317,801	52,326,001	8,200
del	HAB	H 4472	10	52,794,201	52,800,601	6,400
del	LAB	L 4004	10	52,794,201	52,800,001	5,800
del	LAB	L 4005	10	53,551,001	53,557,601	6,600
del	HAB	H 4473	10	53,551,401	53,557,801	6,400
del	HAB	H 4474	10	53,933,201	53,941,801	8,600
del	LAB	L 4006	10	53,933,201	53,941,801	8,600
del	LAB	L 4007	10	54,200,401	54,217,401	17,000
del	HAB	H 4475	10	54,206,001	54,218,001	12,000
del	HAB	H 4476	10	54,412,001	54,423,001	11,000
del	LAB	L 4008	10	54,412,201	54,423,201	11,000
del	HAB	H 4477	10	54,625,601	54,636,001	10,400
del	LAB	L 4009	10	54,625,601	54,636,001	10,400
del	HAB	H 4478	10	54,727,601	54,738,401	10,800
del	LAB	L 4010	10	54,729,401	54,738,601	9,200
del	HAB	H 4479	10	54,744,001	54,750,601	6,600
del	LAB	L 4011	10	54,745,001	54,750,401	5,400
del	HAB	H 4480	10	55,298,401	55,304,801	6,400
del	LAB	L 4012	10	55,298,601	55,305,001	6,400
del	HAB	H 4481	10	55,459,601	55,466,001	6,400
del	LAB	L 4013	10	55,460,201	55,465,401	5,200
del	HAB	H 4482	10	55,619,401	55,626,601	7,200
del	LAB	L 4014	10	55,620,201	55,626,601	6,400
del	HAB	H 4483	10	55,977,001	56,006,201	29,200
del	LAB	L 4015	10	55,977,601	56,000,601	23,000
del	HAB	H 4484	10	57,049,601	57,058,001	8,400
del	LAB	L 4016	10	57,049,601	57,058,001	8,400
del	HAB	H 4485	10	57,572,001	57,577,201	5,200
del	LAB	L 4017	10	57,572,401	57,577,001	4,600
del	HAB	H 4486	10	57,683,801	57,702,801	19,000
del	LAB	L 4018	10	57,683,801	57,702,801	19,000
del	HAB	H 4487	10	58,213,401	58,217,401	4,000
del	HAB	H 4488	10	58,225,201	58,237,801	12,600
del	LAB	L 4019	10	58,225,601	58,237,201	11,600
del	LAB	L 4020	10	59,910,401	59,915,801	5,400
del	HAB	H 4489	10	62,973,401	62,980,001	6,600
del	LAB	L 4021	10	62,973,601	62,985,401	11,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4490	10	63,179,201	63,204,001	24,800
del	LAB	L 4022	10	63,179,401	63,204,201	24,800
del	LAB	L 4023	10	63,210,601	63,219,401	8,800
del	HAB	H 4491	10	63,210,801	63,220,001	9,200
del	HAB	H 4492	10	63,232,801	63,250,801	18,000
del	LAB	L 4024	10	63,232,801	63,250,601	17,800
del	HAB	H 4493	10	64,233,401	64,249,201	15,800
del	LAB	L 4025	10	64,233,401	64,248,601	15,200
del	HAB	H 4494	10	64,280,601	64,286,201	5,600
del	HAB	H 4495	10	64,394,601	64,401,601	7,000
del	LAB	L 4026	10	64,395,401	64,400,801	5,400
del	LAB	L 4027	10	64,624,601	64,632,401	7,800
del	HAB	H 4496	10	64,625,201	64,635,401	10,200
del	HAB	H 4497	10	64,845,801	64,853,001	7,200
del	HAB	H 4498	10	64,909,401	64,919,601	10,200
del	LAB	L 4028	10	64,914,401	64,919,201	4,800
del	HAB	H 4499	10	65,055,801	65,058,401	2,600
del	HAB	H 4500	10	65,101,601	65,107,801	6,200
del	HAB	H 4501	10	65,119,601	65,138,201	18,600
del	LAB	L 4029	10	65,122,001	65,138,001	16,000
del	HAB	H 4502	10	65,224,801	65,228,801	4,000
del	HAB	H 4503	10	65,368,601	65,373,801	5,200
del	LAB	L 4030	10	65,368,801	65,373,401	4,600
del	HAB	H 4504	10	65,400,401	65,419,001	18,600
del	LAB	L 4031	10	65,407,001	65,418,801	11,800
del	HAB	H 4505	10	65,459,201	65,465,601	6,400
del	HAB	H 4506	10	65,535,001	65,542,201	7,200
del	LAB	L 4032	10	65,881,001	65,894,001	13,000
del	HAB	H 4507	10	65,881,201	65,894,001	12,800
del	HAB	H 4508	10	66,125,601	66,138,601	13,000
del	LAB	L 4033	10	66,125,601	66,138,601	13,000
del	HAB	H 4509	10	67,706,001	67,709,401	3,400
del	LAB	L 4034	10	67,706,201	67,709,001	2,800
del	HAB	H 4510	10	68,059,201	68,064,401	5,200
del	HAB	H 4511	10	68,224,001	68,229,601	5,600
del	LAB	L 4035	10	68,225,601	68,229,401	3,800
del	HAB	H 4512	10	68,518,801	68,525,001	6,200
del	LAB	L 4036	10	68,519,001	68,525,601	6,600
del	LAB	L 4037	10	68,692,001	68,699,201	7,200
del	HAB	H 4513	10	70,122,201	70,126,001	3,800
del	HAB	H 4514	10	70,344,201	70,350,401	6,200
del	LAB	L 4038	10	70,344,201	70,350,001	5,800
del	HAB	H 4515	10	70,475,001	70,482,001	7,000
del	HAB	H 4516	10	70,574,001	70,577,001	3,000
del	HAB	H 4517	10	71,013,601	71,055,401	41,800
del	LAB	L 4039	10	71,028,001	71,055,201	27,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4040	10	71,072,401	71,100,801	28,400
del	HAB	H 4518	10	71,073,001	71,101,601	28,600
del	HAB	H 4519	10	71,154,201	71,162,001	7,800
del	HAB	H 4520	10	71,307,801	71,312,801	5,000
del	LAB	L 4041	10	71,308,601	71,312,601	4,000
del	HAB	H 4521	10	71,961,401	71,966,801	5,400
del	LAB	L 4042	10	71,961,401	71,966,401	5,000
del	HAB	H 4522	10	73,043,601	73,060,601	17,000
del	LAB	L 4043	10	73,043,801	73,060,001	16,200
del	HAB	H 4523	10	73,811,401	73,814,401	3,000
del	LAB	L 4044	10	73,811,601	73,816,201	4,600
del	HAB	H 4524	10	74,195,201	74,209,201	14,000
del	LAB	L 4045	10	74,195,201	74,209,201	14,000
del	HAB	H 4525	10	77,232,801	77,259,801	27,000
del	LAB	L 4046	10	77,233,201	77,259,601	26,400
del	HAB	H 4526	10	78,352,401	78,367,801	15,400
del	LAB	L 4047	10	78,353,001	78,368,201	15,200
del	LAB	L 4048	10	78,458,801	78,466,001	7,200
del	HAB	H 4527	10	78,459,601	78,465,801	6,200
del	HAB	H 4528	10	78,788,801	78,800,201	11,400
del	LAB	L 4049	10	78,789,001	78,801,001	12,000
del	HAB	H 4529	10	78,861,201	78,869,601	8,400
del	LAB	L 4050	10	78,861,801	78,866,801	5,000
del	HAB	H 4530	10	78,896,401	78,934,801	38,400
del	LAB	L 4051	10	78,897,201	78,934,201	37,000
del	HAB	H 4531	10	81,294,201	81,297,601	3,400
del	LAB	L 4052	10	81,294,201	81,298,201	4,000
del	LAB	L 4053	10	81,850,201	81,858,201	8,000
del	HAB	H 4532	10	81,850,601	81,858,601	8,000
del	HAB	H 4533	10	81,991,601	82,007,001	15,400
del	LAB	L 4054	10	81,991,601	82,006,601	15,000
del	HAB	H 4534	10	82,027,401	82,038,201	10,800
del	LAB	L 4055	10	82,034,001	82,037,801	3,800
del	HAB	H 4535	10	82,401,601	82,405,001	3,400
del	HAB	H 4536	10	82,928,401	82,935,201	6,800
del	LAB	L 4056	10	82,928,601	82,935,201	6,600
del	HAB	H 4537	10	84,207,001	84,212,801	5,800
del	LAB	L 4057	10	84,207,601	84,212,601	5,000
del	HAB	H 4538	10	84,876,001	84,882,401	6,400
del	LAB	L 4058	10	84,876,201	84,882,201	6,000
del	LAB	L 4059	10	85,177,801	85,183,201	5,400
del	HAB	H 4539	10	85,178,201	85,183,401	5,200
del	HAB	H 4540	10	85,231,601	85,240,201	8,600
del	LAB	L 4060	10	85,232,001	85,240,201	8,200
del	HAB	H 4541	10	85,255,801	85,267,001	11,200
del	LAB	L 4061	10	85,256,401	85,267,001	10,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4542	10	86,062,601	86,069,401	6,800
del	LAB	L 4062	10	86,062,801	86,068,801	6,000
del	LAB	L 4063	10	86,600,401	86,606,601	6,200
del	HAB	H 4543	10	86,867,801	86,875,801	8,000
del	LAB	L 4064	10	86,867,801	86,875,801	8,000
del	HAB	H 4544	10	87,452,401	87,455,801	3,400
del	HAB	H 4545	10	87,557,801	87,564,801	7,000
del	LAB	L 4065	10	87,558,201	87,564,401	6,200
del	HAB	H 4546	10	88,114,001	88,124,001	10,000
del	LAB	L 4066	10	88,114,001	88,121,201	7,200
del	HAB	H 4547	10	88,391,001	88,403,601	12,600
del	LAB	L 4067	10	88,391,001	88,403,601	12,600
del	HAB	H 4548	10	88,426,601	88,431,201	4,600
del	LAB	L 4068	10	88,426,601	88,431,001	4,400
del	HAB	H 4549	10	89,412,601	89,428,801	16,200
del	LAB	L 4069	10	89,412,601	89,429,001	16,400
del	HAB	H 4550	10	89,451,601	89,455,201	3,600
del	LAB	L 4070	10	89,452,201	89,455,001	2,800
del	HAB	H 4551	10	89,678,201	89,681,801	3,600
del	LAB	L 4071	10	89,678,401	89,681,601	3,200
del	HAB	H 4552	10	89,707,401	89,721,401	14,000
del	LAB	L 4072	10	89,707,601	89,721,401	13,800
del	HAB	H 4553	10	89,787,201	89,796,001	8,800
del	LAB	L 4073	10	89,787,401	89,795,801	8,400
del	LAB	L 4074	10	90,714,801	90,721,201	6,400
del	LAB	L 4075	10	90,794,801	90,801,601	6,800
del	HAB	H 4554	10	91,391,601	91,400,201	8,600
del	LAB	L 4076	10	91,391,801	91,404,201	12,400
del	HAB	H 4555	10	91,981,601	91,984,401	2,800
del	LAB	L 4077	10	92,212,801	92,216,601	3,800
del	HAB	H 4556	10	92,213,001	92,216,801	3,800
del	HAB	H 4557	10	92,371,401	92,378,401	7,000
del	LAB	L 4078	10	92,372,001	92,378,001	6,000
del	HAB	H 4558	10	92,516,801	92,523,401	6,600
del	LAB	L 4079	10	92,517,001	92,523,201	6,200
del	HAB	H 4559	10	93,073,401	93,079,801	6,400
del	LAB	L 4080	10	93,073,601	93,079,601	6,000
del	HAB	H 4560	10	93,247,801	93,255,401	7,600
del	LAB	L 4081	10	93,248,201	93,255,601	7,400
del	HAB	H 4561	10	95,619,801	95,625,201	5,400
del	LAB	L 4082	10	95,620,001	95,625,001	5,000
del	LAB	L 4083	10	96,785,601	96,790,401	4,800
del	HAB	H 4562	10	96,785,801	96,790,201	4,400
del	LAB	L 4084	10	97,285,601	97,289,601	4,000
del	HAB	H 4563	10	97,895,001	97,901,601	6,600
del	LAB	L 4085	10	97,895,201	97,900,801	5,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4564	10	99,189,201	99,206,201	17,000
del	LAB	L 4086	10	99,189,201	99,206,401	17,200
del	LAB	L 4087	10	99,665,201	99,686,401	21,200
del	HAB	H 4565	10	99,665,801	99,686,401	20,600
del	HAB	H 4566	10	99,765,401	99,768,201	2,800
del	LAB	L 4088	10	99,765,601	99,768,201	2,600
del	HAB	H 4567	10	99,787,201	99,861,401	74,200
del	LAB	L 4089	10	99,787,401	99,861,601	74,200
del	HAB	H 4568	10	100,109,001	100,118,201	9,200
del	LAB	L 4090	10	100,109,001	100,118,201	9,200
del	HAB	H 4569	10	100,266,801	100,269,801	3,000
del	HAB	H 4570	10	101,024,801	101,040,201	15,400
del	LAB	L 4091	10	101,024,801	101,040,001	15,200
del	HAB	H 4571	10	101,179,601	101,186,601	7,000
del	LAB	L 4092	10	101,179,601	101,185,801	6,200
del	LAB	L 4093	10	101,776,401	101,792,601	16,200
del	HAB	H 4572	10	101,777,801	101,792,801	15,000
del	HAB	H 4573	10	101,888,001	101,896,401	8,400
del	LAB	L 4094	10	101,888,001	101,896,201	8,200
del	HAB	H 4574	10	102,265,401	102,267,801	2,400
del	LAB	L 4095	10	102,265,401	102,267,801	2,400
del	HAB	H 4575	10	102,697,401	102,705,001	7,600
del	LAB	L 4096	10	102,697,401	102,704,401	7,000
del	HAB	H 4576	10	102,975,401	102,985,201	9,800
del	HAB	H 4577	10	103,065,801	103,084,201	18,400
del	LAB	L 4097	10	103,077,801	103,084,201	6,400
del	LAB	L 4098	10	103,092,401	103,098,801	6,400
del	HAB	H 4578	10	103,092,801	103,103,601	10,800
del	HAB	H 4579	10	103,117,601	103,127,801	10,200
del	LAB	L 4099	10	103,117,801	103,127,801	10,000
del	HAB	H 4580	10	103,204,001	103,217,401	13,400
del	LAB	L 4100	10	103,204,601	103,217,201	12,600
del	HAB	H 4581	10	103,259,201	103,263,801	4,600
del	HAB	H 4582	10	103,329,801	103,338,801	9,000
del	HAB	H 4583	10	103,364,401	103,367,201	2,800
del	HAB	H 4584	10	103,455,401	103,460,201	4,800
del	HAB	H 4585	10	103,534,401	103,539,201	4,800
del	HAB	H 4586	10	103,665,801	103,682,401	16,600
del	LAB	L 4101	10	103,665,801	103,682,601	16,800
del	LAB	L 4102	10	103,691,601	103,696,201	4,600
del	HAB	H 4587	10	103,736,401	103,741,801	5,400
del	HAB	H 4588	10	103,930,401	103,941,001	10,600
del	LAB	L 4103	10	103,930,401	103,941,001	10,600
del	HAB	H 4589	10	103,975,401	103,999,801	24,400
del	LAB	L 4104	10	103,976,401	103,999,401	23,000
del	HAB	H 4590	10	104,012,001	104,020,601	8,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4591	10	104,051,401	104,059,601	8,200
del	HAB	H 4592	10	104,185,201	104,209,201	24,000
del	LAB	L 4105	10	104,185,401	104,208,801	23,400
del	HAB	H 4593	10	104,256,201	104,262,201	6,000
del	LAB	L 4106	10	104,271,401	104,280,201	8,800
del	HAB	H 4594	10	104,294,801	104,299,601	4,800
del	LAB	L 4107	10	104,295,001	104,298,201	3,200
del	HAB	H 4595	10	104,327,201	104,334,001	6,800
del	LAB	L 4108	10	104,327,201	104,333,401	6,200
del	LAB	L 4109	10	104,432,401	104,438,601	6,200
del	HAB	H 4596	10	104,433,001	104,438,401	5,400
del	HAB	H 4597	10	104,483,801	104,487,001	3,200
del	HAB	H 4598	10	104,614,201	104,619,201	5,000
del	LAB	L 4110	10	104,614,401	104,618,801	4,400
del	HAB	H 4599	10	105,055,201	105,058,201	3,000
del	HAB	H 4600	10	105,109,001	105,114,601	5,600
del	LAB	L 4111	10	105,109,801	105,115,001	5,200
del	HAB	H 4601	10	105,517,201	105,528,001	10,800
del	LAB	L 4112	10	105,521,801	105,527,001	5,200
del	HAB	H 4602	10	105,650,801	105,655,801	5,000
del	LAB	L 4113	10	105,820,601	105,838,601	18,000
del	HAB	H 4603	10	105,821,201	105,838,801	17,600
del	HAB	H 4604	10	105,880,001	105,885,801	5,800
del	LAB	L 4114	10	105,880,201	105,885,801	5,600
del	LAB	L 4115	10	105,970,601	105,978,401	7,800
del	HAB	H 4605	10	105,971,201	105,979,001	7,800
del	HAB	H 4606	10	106,808,401	106,811,401	3,000
del	HAB	H 4607	10	106,989,601	106,993,801	4,200
del	LAB	L 4116	10	106,990,001	106,993,601	3,600
del	HAB	H 4608	10	107,282,401	107,290,001	7,600
del	HAB	H 4609	10	107,436,601	107,444,001	7,400
del	LAB	L 4117	10	107,436,801	107,443,801	7,000
del	HAB	H 4610	10	109,941,601	109,954,001	12,400
del	LAB	L 4118	10	109,941,601	109,955,401	13,800
del	HAB	H 4611	10	112,031,201	112,035,601	4,400
del	HAB	H 4612	10	113,598,801	113,608,401	9,600
del	LAB	L 4119	10	113,598,801	113,604,601	5,800
del	HAB	H 4613	10	113,966,801	113,979,601	12,800
del	LAB	L 4120	10	113,967,001	113,979,401	12,400
del	LAB	L 4121	10	114,226,001	114,230,201	4,200
del	LAB	L 4122	10	114,254,801	114,258,201	3,400
del	LAB	L 4123	10	114,973,201	114,979,401	6,200
del	HAB	H 4614	10	117,507,601	117,513,601	6,000
del	HAB	H 4615	10	117,675,401	117,684,201	8,800
del	LAB	L 4124	10	117,675,601	117,684,001	8,400
del	HAB	H 4616	10	117,689,201	117,698,201	9,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4125	10	117,689,601	117,697,801	8,200
del	LAB	L 4126	10	117,762,001	117,792,401	30,400
del	HAB	H 4617	10	117,763,001	117,792,601	29,600
del	HAB	H 4618	10	118,128,001	118,134,001	6,000
del	LAB	L 4127	10	118,128,001	118,133,601	5,600
del	HAB	H 4619	10	119,135,801	119,138,801	3,000
del	LAB	L 4128	10	119,136,001	119,138,601	2,600
del	LAB	L 4129	10	120,573,201	120,584,601	11,400
del	LAB	L 4130	10	120,601,801	120,606,001	4,200
del	HAB	H 4620	10	121,592,801	121,601,201	8,400
del	LAB	L 4131	10	121,592,801	121,601,201	8,400
del	HAB	H 4621	10	121,649,401	121,653,601	4,200
del	HAB	H 4622	10	121,803,401	121,808,201	4,800
del	LAB	L 4132	10	121,803,401	121,808,201	4,800
del	HAB	H 4623	10	121,828,201	121,834,401	6,200
del	LAB	L 4133	10	121,828,201	121,834,601	6,400
del	HAB	H 4624	10	121,944,601	121,947,801	3,200
del	LAB	L 4134	10	121,944,601	121,947,801	3,200
del	HAB	H 4625	10	122,269,801	122,277,201	7,400
del	LAB	L 4135	10	122,270,201	122,277,001	6,800
del	LAB	L 4136	10	122,923,601	122,934,001	10,400
del	HAB	H 4626	10	124,199,201	124,204,201	5,000
del	LAB	L 4137	10	124,199,201	124,204,601	5,400
del	HAB	H 4627	10	125,632,601	125,638,601	6,000
del	LAB	L 4138	10	125,632,801	125,638,601	5,800
del	LAB	L 4139	10	125,699,801	125,703,601	3,800
del	LAB	L 4140	10	126,138,401	126,144,401	6,000
del	HAB	H 4628	10	127,670,001	127,674,401	4,400
del	HAB	H 4629	10	128,579,401	128,590,201	10,800
del	LAB	L 4141	10	128,580,201	128,590,201	10,000
del	HAB	H 4630	10	128,621,001	128,659,201	38,200
del	LAB	L 4142	10	128,621,201	128,659,601	38,400
del	HAB	H 4631	10	128,711,401	128,723,601	12,200
del	LAB	L 4143	10	128,711,601	128,723,601	12,000
del	HAB	H 4632	10	128,774,401	128,782,601	8,200
del	LAB	L 4144	10	128,775,201	128,783,801	8,600
del	LAB	L 4145	10	128,825,801	128,833,201	7,400
del	LAB	L 4146	10	128,850,401	128,858,601	8,200
del	LAB	L 4147	10	128,879,401	128,893,601	14,200
del	HAB	H 4633	10	128,880,601	128,892,601	12,000
del	LAB	L 4148	10	129,022,001	129,037,601	15,600
del	HAB	H 4634	10	129,407,801	129,417,601	9,800
del	LAB	L 4149	10	129,408,001	129,417,401	9,400
del	LAB	L 4150	10	129,478,601	129,491,401	12,800
del	HAB	H 4635	10	129,478,801	129,488,201	9,400
del	LAB	L 4151	10	129,909,401	129,929,601	20,200



type	mouse line	no.	chr	start	end	size
del	HAB	H 4636	10	129,911,801	129,930,601	18,800
del	HAB	H 4637	11	3,012,601	3,023,801	11,200
del	LAB	L 4152	11	3,013,401	3,023,801	10,400
del	HAB	H 4638	11	4,564,001	4,567,001	3,000
del	HAB	H 4639	11	5,261,001	5,265,601	4,600
del	LAB	L 4153	11	5,261,401	5,267,001	5,600
del	HAB	H 4640	11	5,452,001	5,458,201	6,200
del	LAB	L 4154	11	5,452,601	5,458,201	5,600
del	HAB	H 4641	11	5,905,401	5,911,801	6,400
del	LAB	L 4155	11	5,905,601	5,911,401	5,800
del	HAB	H 4642	11	6,041,401	6,049,001	7,600
del	LAB	L 4156	11	6,041,601	6,048,601	7,000
del	HAB	H 4643	11	6,138,601	6,142,201	3,600
del	LAB	L 4157	11	6,138,801	6,142,001	3,200
del	HAB	H 4644	11	7,386,801	7,392,801	6,000
del	HAB	H 4645	11	7,475,601	7,492,001	16,400
del	LAB	L 4158	11	7,475,801	7,491,801	16,000
del	LAB	L 4159	11	7,857,401	7,867,401	10,000
del	HAB	H 4646	11	7,857,601	7,867,401	9,800
del	HAB	H 4647	11	7,933,401	7,937,601	4,200
del	LAB	L 4160	11	7,933,801	7,937,601	3,800
del	HAB	H 4648	11	7,976,201	7,983,001	6,800
del	LAB	L 4161	11	7,976,401	7,982,801	6,400
del	HAB	H 4649	11	8,049,201	8,056,401	7,200
del	LAB	L 4162	11	8,049,201	8,056,001	6,800
del	HAB	H 4650	11	8,170,601	8,174,401	3,800
del	LAB	L 4163	11	8,170,801	8,174,201	3,400
del	HAB	H 4651	11	8,220,601	8,229,401	8,800
del	LAB	L 4164	11	8,222,201	8,229,001	6,800
del	LAB	L 4165	11	8,633,401	8,640,601	7,200
del	HAB	H 4652	11	8,738,001	8,743,401	5,400
del	LAB	L 4166	11	8,738,001	8,743,201	5,200
del	HAB	H 4653	11	8,820,201	8,829,001	8,800
del	LAB	L 4167	11	8,820,401	8,829,001	8,600
del	HAB	H 4654	11	9,002,401	9,007,201	4,800
del	LAB	L 4168	11	9,002,601	9,007,401	4,800
del	LAB	L 4169	11	9,252,601	9,275,401	22,800
del	HAB	H 4655	11	9,253,201	9,276,001	22,800
del	HAB	H 4656	11	9,343,001	9,350,601	7,600
del	LAB	L 4170	11	9,343,001	9,350,601	7,600
del	HAB	H 4657	11	9,607,801	9,615,401	7,600
del	LAB	L 4171	11	9,607,801	9,615,001	7,200
del	HAB	H 4658	11	9,870,601	9,882,401	11,800
del	LAB	L 4172	11	9,870,801	9,876,601	5,800
del	LAB	L 4173	11	10,117,001	10,123,201	6,200
del	HAB	H 4659	11	10,117,201	10,123,201	6,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4660	11	10,784,001	10,788,401	4,400
del	LAB	L 4174	11	10,784,401	10,788,401	4,000
del	HAB	H 4661	11	11,023,601	11,027,201	3,600
del	LAB	L 4175	11	11,023,801	11,028,001	4,200
del	LAB	L 4176	11	11,035,801	11,046,401	10,600
del	HAB	H 4662	11	11,036,801	11,046,001	9,200
del	HAB	H 4663	11	11,266,601	11,297,801	31,200
del	LAB	L 4177	11	11,270,601	11,289,001	18,400
del	HAB	H 4664	11	11,494,401	11,511,201	16,800
del	LAB	L 4178	11	11,494,401	11,511,401	17,000
del	HAB	H 4665	11	12,017,401	12,060,601	43,200
del	LAB	L 4179	11	12,023,201	12,061,001	37,800
del	HAB	H 4666	11	12,076,601	12,080,001	3,400
del	LAB	L 4180	11	12,076,601	12,079,801	3,200
del	LAB	L 4181	11	12,405,201	12,413,001	7,800
del	HAB	H 4667	11	12,407,001	12,412,601	5,600
del	HAB	H 4668	11	12,523,001	12,545,001	22,000
del	LAB	L 4182	11	12,523,601	12,544,601	21,000
del	HAB	H 4669	11	12,562,401	12,565,401	3,000
del	HAB	H 4670	11	12,691,401	12,702,801	11,400
del	LAB	L 4183	11	12,691,401	12,702,601	11,200
del	HAB	H 4671	11	12,795,001	12,804,401	9,400
del	LAB	L 4184	11	12,795,001	12,805,801	10,800
del	HAB	H 4672	11	12,853,801	12,875,801	22,000
del	LAB	L 4185	11	12,854,001	12,875,801	21,800
del	HAB	H 4673	11	13,205,401	13,216,801	11,400
del	LAB	L 4186	11	13,205,401	13,216,601	11,200
del	HAB	H 4674	11	13,246,001	13,256,001	10,000
del	LAB	L 4187	11	13,246,001	13,256,001	10,000
del	HAB	H 4675	11	13,275,801	13,280,601	4,800
del	LAB	L 4188	11	13,275,801	13,281,201	5,400
del	HAB	H 4676	11	13,446,001	13,456,201	10,200
del	LAB	L 4189	11	13,446,201	13,454,001	7,800
del	HAB	H 4677	11	13,515,001	13,523,001	8,000
del	LAB	L 4190	11	13,515,201	13,522,601	7,400
del	LAB	L 4191	11	13,704,001	13,724,201	20,200
del	HAB	H 4678	11	13,704,201	13,724,601	20,400
del	HAB	H 4679	11	13,790,801	13,795,401	4,600
del	LAB	L 4192	11	13,790,801	13,794,801	4,000
del	LAB	L 4193	11	14,023,601	14,030,201	6,600
del	HAB	H 4680	11	14,023,801	14,030,401	6,600
del	HAB	H 4681	11	14,175,601	14,182,601	7,000
del	LAB	L 4194	11	14,176,201	14,182,001	5,800
del	HAB	H 4682	11	14,290,001	14,294,801	4,800
del	LAB	L 4195	11	14,290,201	14,294,401	4,200
del	LAB	L 4196	11	14,356,401	14,363,801	7,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4683	11	14,356,601	14,363,001	6,400
del	HAB	H 4684	11	14,413,401	14,425,601	12,200
del	LAB	L 4197	11	14,413,601	14,425,801	12,200
del	HAB	H 4685	11	14,469,201	14,471,601	2,400
del	HAB	H 4686	11	14,751,601	14,764,601	13,000
del	LAB	L 4198	11	14,751,601	14,764,601	13,000
del	LAB	L 4199	11	15,068,201	15,085,601	17,400
del	HAB	H 4687	11	15,068,601	15,085,801	17,200
del	HAB	H 4688	11	15,163,601	15,197,801	34,200
del	LAB	L 4200	11	15,163,601	15,197,601	34,000
del	HAB	H 4689	11	15,676,401	15,693,001	16,600
del	LAB	L 4201	11	15,676,401	15,693,201	16,800
del	HAB	H 4690	11	15,759,401	15,763,201	3,800
del	LAB	L 4202	11	15,759,401	15,763,201	3,800
del	HAB	H 4691	11	16,283,801	16,293,001	9,200
del	LAB	L 4203	11	16,283,801	16,292,601	8,800
del	HAB	H 4692	11	16,414,801	16,417,601	2,800
del	LAB	L 4204	11	16,414,801	16,417,201	2,400
del	HAB	H 4693	11	16,464,201	16,473,401	9,200
del	LAB	L 4205	11	16,465,801	16,473,001	7,200
del	LAB	L 4206	11	16,625,401	16,630,601	5,200
del	HAB	H 4694	11	16,625,601	16,630,601	5,000
del	HAB	H 4695	11	17,406,201	17,417,201	11,000
del	HAB	H 4696	11	17,482,201	17,486,801	4,600
del	HAB	H 4697	11	17,567,601	17,575,201	7,600
del	LAB	L 4207	11	17,567,801	17,575,001	7,200
del	LAB	L 4208	11	17,946,001	17,952,801	6,800
del	HAB	H 4698	11	17,978,201	17,985,201	7,000
del	LAB	L 4209	11	17,978,401	17,984,801	6,400
del	HAB	H 4699	11	18,006,601	18,009,601	3,000
del	LAB	L 4210	11	18,006,801	18,009,201	2,400
del	HAB	H 4700	11	18,085,401	18,099,601	14,200
del	LAB	L 4211	11	18,085,401	18,099,601	14,200
del	HAB	H 4701	11	18,133,401	18,140,801	7,400
del	LAB	L 4212	11	18,187,601	18,208,601	21,000
del	HAB	H 4702	11	18,187,801	18,208,401	20,600
del	HAB	H 4703	11	18,236,801	18,243,601	6,800
del	LAB	L 4213	11	18,237,201	18,243,601	6,400
del	HAB	H 4704	11	18,291,001	18,293,601	2,600
del	LAB	L 4214	11	18,520,801	18,543,201	22,400
del	HAB	H 4705	11	18,522,601	18,543,601	21,000
del	LAB	L 4215	11	18,581,601	18,588,201	6,600
del	HAB	H 4706	11	18,585,401	18,588,601	3,200
del	HAB	H 4707	11	18,673,201	18,686,801	13,600
del	LAB	L 4216	11	18,673,801	18,686,001	12,200
del	HAB	H 4708	11	18,706,201	18,714,001	7,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4217	11	18,706,401	18,713,401	7,000
del	LAB	L 4218	11	18,982,801	18,994,601	11,800
del	HAB	H 4709	11	18,983,001	18,994,401	11,400
del	HAB	H 4710	11	19,465,801	19,470,601	4,800
del	HAB	H 4711	11	20,277,401	20,282,001	4,600
del	LAB	L 4219	11	20,277,801	20,281,601	3,800
del	HAB	H 4712	11	21,368,401	21,381,601	13,200
del	LAB	L 4220	11	21,368,401	21,382,401	14,000
del	HAB	H 4713	11	21,551,201	21,559,201	8,000
del	LAB	L 4221	11	21,551,201	21,558,801	7,600
del	HAB	H 4714	11	21,806,801	21,816,401	9,600
del	LAB	L 4222	11	21,806,801	21,813,601	6,800
del	HAB	H 4715	11	22,235,001	22,240,801	5,800
del	LAB	L 4223	11	22,235,001	22,240,401	5,400
del	LAB	L 4224	11	22,286,001	22,301,601	15,600
del	HAB	H 4716	11	22,291,801	22,301,801	10,000
del	LAB	L 4225	11	22,477,401	22,482,801	5,400
del	HAB	H 4717	11	22,560,001	22,567,601	7,600
del	HAB	H 4718	11	23,446,201	23,453,401	7,200
del	LAB	L 4226	11	23,446,401	23,453,001	6,600
del	LAB	L 4227	11	24,705,401	24,716,001	10,600
del	HAB	H 4719	11	24,771,201	24,787,401	16,200
del	LAB	L 4228	11	24,771,201	24,788,201	17,000
del	LAB	L 4229	11	25,457,001	25,463,801	6,800
del	LAB	L 4230	11	25,510,201	25,513,001	2,800
del	LAB	L 4231	11	25,695,401	25,707,001	11,600
del	HAB	H 4720	11	25,930,201	25,934,001	3,800
del	LAB	L 4232	11	25,930,601	25,933,801	3,200
del	LAB	L 4233	11	26,075,401	26,081,601	6,200
del	HAB	H 4721	11	26,326,401	26,333,401	7,000
del	LAB	L 4234	11	26,326,401	26,333,401	7,000
del	LAB	L 4235	11	26,357,801	26,367,601	9,800
del	HAB	H 4722	11	26,454,801	26,465,801	11,000
del	LAB	L 4236	11	26,455,601	26,466,801	11,200
del	LAB	L 4237	11	26,565,401	26,575,801	10,400
del	LAB	L 4238	11	27,021,201	27,038,401	17,200
del	HAB	H 4723	11	27,021,401	27,038,801	17,400
del	HAB	H 4724	11	27,282,001	27,292,201	10,200
del	HAB	H 4725	11	27,434,801	27,441,401	6,600
del	LAB	L 4239	11	27,530,401	27,550,001	19,600
del	HAB	H 4726	11	27,530,601	27,549,801	19,200
del	HAB	H 4727	11	27,584,201	27,598,401	14,200
del	LAB	L 4240	11	27,588,801	27,600,401	11,600
del	LAB	L 4241	11	27,658,001	27,663,001	5,000
del	HAB	H 4728	11	27,658,201	27,665,001	6,800
del	HAB	H 4729	11	27,847,601	27,860,001	12,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4730	11	28,250,601	28,256,601	6,000
del	HAB	H 4731	11	28,925,201	28,931,201	6,000
del	LAB	L 4242	11	28,977,001	28,985,801	8,800
del	HAB	H 4732	11	28,977,601	28,987,401	9,800
del	HAB	H 4733	11	29,024,201	29,030,001	5,800
del	LAB	L 4243	11	29,024,601	29,029,601	5,000
del	HAB	H 4734	11	29,063,401	29,066,601	3,200
del	HAB	H 4735	11	29,179,801	29,189,601	9,800
del	HAB	H 4736	11	29,225,401	29,237,401	12,000
del	LAB	L 4244	11	29,232,001	29,237,401	5,400
del	LAB	L 4245	11	29,336,201	29,345,201	9,000
del	HAB	H 4737	11	29,336,401	29,345,401	9,000
del	HAB	H 4738	11	29,483,401	29,492,601	9,200
del	LAB	L 4246	11	29,485,801	29,495,801	10,000
del	HAB	H 4739	11	29,961,801	29,976,001	14,200
del	LAB	L 4247	11	29,961,801	29,974,001	12,200
del	HAB	H 4740	11	30,410,601	30,414,801	4,200
del	LAB	L 4248	11	30,410,801	30,414,001	3,200
del	HAB	H 4741	11	30,536,201	30,542,601	6,400
del	HAB	H 4742	11	30,579,601	30,583,401	3,800
del	LAB	L 4249	11	30,579,801	30,583,001	3,200
del	LAB	L 4250	11	30,588,801	30,592,601	3,800
del	HAB	H 4743	11	30,615,001	30,626,201	11,200
del	LAB	L 4251	11	30,616,601	30,626,001	9,400
del	HAB	H 4744	11	30,933,001	30,952,001	19,000
del	LAB	L 4252	11	30,933,601	30,952,201	18,600
del	LAB	L 4253	11	31,025,401	31,030,201	4,800
del	HAB	H 4745	11	31,026,201	31,030,201	4,000
del	HAB	H 4746	11	31,049,201	31,116,601	67,400
del	LAB	L 4254	11	31,049,601	31,056,001	6,400
del	LAB	L 4255	11	31,109,801	31,115,401	5,600
del	HAB	H 4747	11	31,207,801	31,216,201	8,400
del	LAB	L 4256	11	31,207,801	31,217,001	9,200
del	HAB	H 4748	11	31,234,001	31,243,601	9,600
del	HAB	H 4749	11	31,335,201	31,340,001	4,800
del	LAB	L 4257	11	31,335,401	31,339,801	4,400
del	HAB	H 4750	11	31,347,401	31,355,201	7,800
del	LAB	L 4258	11	31,347,601	31,355,001	7,400
del	HAB	H 4751	11	31,496,601	31,499,801	3,200
del	LAB	L 4259	11	31,496,601	31,499,601	3,000
del	LAB	L 4260	11	31,674,001	31,676,801	2,800
del	HAB	H 4752	11	31,674,201	31,677,001	2,800
del	HAB	H 4753	11	32,962,201	32,969,601	7,400
del	LAB	L 4261	11	32,962,601	32,968,601	6,000
del	HAB	H 4754	11	33,913,401	33,920,201	6,800
del	LAB	L 4262	11	33,914,001	33,920,001	6,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4755	11	34,663,201	34,670,001	6,800
del	LAB	L 4263	11	34,663,201	34,669,801	6,600
del	HAB	H 4756	11	36,156,001	36,162,601	6,600
del	LAB	L 4264	11	36,156,401	36,162,401	6,000
del	HAB	H 4757	11	37,295,201	37,298,801	3,600
del	LAB	L 4265	11	37,446,801	37,454,601	7,800
del	HAB	H 4758	11	37,451,401	37,454,601	3,200
del	LAB	L 4266	11	37,734,601	37,737,401	2,800
del	LAB	L 4267	11	37,910,401	37,915,401	5,000
del	HAB	H 4759	11	38,054,801	38,067,801	13,000
del	LAB	L 4268	11	38,060,401	38,067,401	7,000
del	LAB	L 4269	11	38,716,201	38,723,201	7,000
del	HAB	H 4760	11	39,296,001	39,301,001	5,000
del	LAB	L 4270	11	39,296,001	39,300,801	4,800
del	HAB	H 4761	11	40,040,201	40,045,201	5,000
del	HAB	H 4762	11	40,049,801	40,056,801	7,000
del	LAB	L 4271	11	40,050,401	40,056,601	6,200
del	HAB	H 4763	11	40,226,801	40,234,401	7,600
del	LAB	L 4272	11	40,227,001	40,234,201	7,200
del	LAB	L 4273	11	40,439,601	40,453,601	14,000
del	HAB	H 4764	11	40,441,001	40,454,401	13,400
del	HAB	H 4765	11	40,608,001	40,631,001	23,000
del	LAB	L 4274	11	40,608,601	40,631,001	22,400
del	HAB	H 4766	11	40,651,801	40,668,601	16,800
del	LAB	L 4275	11	40,652,201	40,668,401	16,200
del	HAB	H 4767	11	40,719,401	40,734,201	14,800
del	LAB	L 4276	11	40,719,601	40,734,001	14,400
del	HAB	H 4768	11	40,769,801	40,785,601	15,800
del	LAB	L 4277	11	40,770,201	40,785,801	15,600
del	LAB	L 4278	11	40,829,201	40,839,401	10,200
del	HAB	H 4769	11	40,829,401	40,840,201	10,800
del	HAB	H 4770	11	40,891,601	40,934,201	42,600
del	LAB	L 4279	11	40,898,801	40,929,601	30,800
del	HAB	H 4771	11	41,032,201	41,038,201	6,000
del	LAB	L 4280	11	41,032,201	41,037,801	5,600
del	LAB	L 4281	11	41,364,001	41,385,801	21,800
del	HAB	H 4772	11	41,364,801	41,381,601	16,800
del	HAB	H 4773	11	41,517,201	41,524,401	7,200
del	LAB	L 4282	11	41,517,601	41,524,001	6,400
del	HAB	H 4774	11	41,690,801	41,709,601	18,800
del	LAB	L 4283	11	41,690,801	41,709,801	19,000
del	HAB	H 4775	11	45,422,601	45,429,601	7,000
del	LAB	L 4284	11	45,422,801	45,430,001	7,200
del	HAB	H 4776	11	45,463,801	45,469,201	5,400
del	LAB	L 4285	11	45,463,801	45,469,001	5,200
del	HAB	H 4777	11	45,538,001	45,546,001	8,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4286	11	45,538,001	45,545,801	7,800
del	HAB	H 4778	11	45,582,401	45,590,601	8,200
del	HAB	H 4779	11	46,225,601	46,228,801	3,200
del	LAB	L 4287	11	46,225,801	46,228,601	2,800
del	LAB	L 4288	11	46,307,601	46,314,401	6,800
del	HAB	H 4780	11	46,308,401	46,315,201	6,800
del	HAB	H 4781	11	46,529,401	46,543,201	13,800
del	LAB	L 4289	11	46,532,601	46,543,201	10,600
del	HAB	H 4782	11	46,573,001	46,580,601	7,600
del	LAB	L 4290	11	46,573,001	46,580,201	7,200
del	HAB	H 4783	11	47,223,201	47,228,001	4,800
del	LAB	L 4291	11	47,659,601	47,675,001	15,400
del	HAB	H 4784	11	47,661,601	47,675,201	13,600
del	HAB	H 4785	11	48,039,401	48,051,601	12,200
del	LAB	L 4292	11	48,039,401	48,051,401	12,000
del	LAB	L 4293	11	48,129,201	48,145,601	16,400
del	HAB	H 4786	11	48,132,201	48,145,201	13,000
del	LAB	L 4294	11	48,272,001	48,290,201	18,200
del	HAB	H 4787	11	48,272,401	48,290,201	17,800
del	LAB	L 4295	11	49,156,601	49,186,401	29,800
del	HAB	H 4788	11	49,160,801	49,186,001	25,200
del	LAB	L 4296	11	49,258,801	49,266,801	8,000
del	LAB	L 4297	11	49,718,801	49,725,201	6,400
del	HAB	H 4789	11	50,853,001	50,858,201	5,200
del	LAB	L 4298	11	50,853,001	50,858,001	5,000
del	HAB	H 4790	11	50,930,201	50,943,201	13,000
del	LAB	L 4299	11	50,930,201	50,943,601	13,400
del	HAB	H 4791	11	51,251,001	51,256,001	5,000
del	LAB	L 4300	11	51,251,401	51,257,201	5,800
del	HAB	H 4792	11	51,477,201	51,487,601	10,400
del	LAB	L 4301	11	51,477,601	51,484,601	7,000
del	LAB	L 4302	11	51,682,801	51,685,401	2,600
del	HAB	H 4793	11	53,367,801	53,373,801	6,000
del	LAB	L 4303	11	53,368,001	53,373,401	5,400
del	HAB	H 4794	11	53,947,201	53,953,001	5,800
del	LAB	L 4304	11	53,948,801	53,953,001	4,200
del	LAB	L 4305	11	54,195,001	54,202,201	7,200
del	LAB	L 4306	11	54,667,401	54,670,201	2,800
del	LAB	L 4307	11	55,645,201	55,652,801	7,600
del	HAB	H 4795	11	55,646,001	55,652,801	6,800
del	HAB	H 4796	11	55,990,001	55,997,201	7,200
del	LAB	L 4308	11	55,990,001	55,997,001	7,000
del	HAB	H 4797	11	56,017,201	56,026,401	9,200
del	LAB	L 4309	11	56,017,401	56,025,601	8,200
del	HAB	H 4798	11	56,039,801	56,053,001	13,200
del	LAB	L 4310	11	56,039,801	56,052,801	13,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4799	11	56,211,601	56,218,001	6,400
del	LAB	L 4311	11	56,212,001	56,217,401	5,400
del	HAB	H 4800	11	56,613,801	56,621,001	7,200
del	LAB	L 4312	11	56,613,801	56,620,801	7,000
del	HAB	H 4801	11	57,158,601	57,172,801	14,200
del	LAB	L 4313	11	57,158,801	57,172,601	13,800
del	HAB	H 4802	11	57,368,201	57,374,201	6,000
del	HAB	H 4803	11	58,176,001	58,181,001	5,000
del	LAB	L 4314	11	58,176,001	58,180,801	4,800
del	HAB	H 4804	11	58,278,601	58,289,201	10,600
del	LAB	L 4315	11	58,278,601	58,289,001	10,400
del	LAB	L 4316	11	58,318,601	58,336,801	18,200
del	HAB	H 4805	11	58,319,401	58,337,601	18,200
del	HAB	H 4806	11	58,487,001	58,494,601	7,600
del	LAB	L 4317	11	58,487,601	58,494,601	7,000
del	LAB	L 4318	11	58,501,201	58,569,201	68,000
del	HAB	H 4807	11	58,513,001	58,568,801	55,800
del	HAB	H 4808	11	58,868,801	58,875,001	6,200
del	LAB	L 4319	11	60,378,001	60,489,401	111,400
del	HAB	H 4809	11	60,386,601	60,399,801	13,200
del	HAB	H 4810	11	60,443,401	60,446,601	3,200
del	HAB	H 4811	11	60,461,601	60,472,001	10,400
del	LAB	L 4320	11	60,494,201	60,507,401	13,200
del	LAB	L 4321	11	61,233,801	61,241,401	7,600
del	LAB	L 4322	11	61,407,601	61,410,001	2,400
del	LAB	L 4323	11	62,781,801	62,788,201	6,400
del	LAB	L 4324	11	63,008,201	63,014,601	6,400
del	LAB	L 4325	11	63,281,401	63,288,601	7,200
del	LAB	L 4326	11	63,460,601	63,467,001	6,400
del	HAB	H 4812	11	63,612,801	63,619,201	6,400
del	LAB	L 4327	11	63,613,001	63,619,201	6,200
del	HAB	H 4813	11	64,112,601	64,119,601	7,000
del	LAB	L 4328	11	64,112,801	64,119,601	6,800
del	LAB	L 4329	11	64,381,801	64,393,201	11,400
del	HAB	H 4814	11	64,605,401	64,611,201	5,800
del	LAB	L 4330	11	64,605,601	64,611,001	5,400
del	HAB	H 4815	11	65,265,001	65,272,801	7,800
del	LAB	L 4331	11	65,265,401	65,272,401	7,000
del	HAB	H 4816	11	66,280,601	66,287,001	6,400
del	LAB	L 4332	11	66,280,601	66,287,201	6,600
del	HAB	H 4817	11	66,524,801	66,529,401	4,600
del	LAB	L 4333	11	66,525,001	66,528,201	3,200
del	HAB	H 4818	11	70,853,601	70,878,801	25,200
del	LAB	L 4334	11	70,853,801	70,878,201	24,400
del	HAB	H 4819	11	70,890,201	70,904,801	14,600
del	LAB	L 4335	11	70,890,201	70,904,601	14,400



type	mouse line	no.	chr	start	end	size
del	HAB	H 4820	11	70,952,801	70,965,201	12,400
del	LAB	L 4336	11	70,957,401	70,965,401	8,000
del	HAB	H 4821	11	70,981,401	71,046,001	64,600
del	LAB	L 4337	11	70,982,001	71,046,001	64,000
del	HAB	H 4822	11	71,113,601	71,121,201	7,600
del	LAB	L 4338	11	71,113,801	71,122,601	8,800
del	HAB	H 4823	11	71,138,001	71,142,601	4,600
del	LAB	L 4339	11	71,138,601	71,142,401	3,800
del	HAB	H 4824	11	71,319,001	71,325,801	6,800
del	LAB	L 4340	11	71,319,201	71,325,601	6,400
del	HAB	H 4825	11	71,688,601	71,695,401	6,800
del	HAB	H 4826	11	73,172,801	73,179,401	6,600
del	LAB	L 4341	11	73,172,801	73,178,801	6,000
del	LAB	L 4342	11	73,362,601	73,377,401	14,800
del	HAB	H 4827	11	73,362,801	73,377,601	14,800
del	HAB	H 4828	11	73,421,401	73,439,601	18,200
del	LAB	L 4343	11	73,421,401	73,441,001	19,600
del	HAB	H 4829	11	73,545,001	73,561,001	16,000
del	LAB	L 4344	11	73,545,201	73,554,801	9,600
del	LAB	L 4345	11	73,669,801	73,692,201	22,400
del	HAB	H 4830	11	73,670,001	73,691,401	21,400
del	HAB	H 4831	11	73,810,601	73,821,801	11,200
del	LAB	L 4346	11	73,811,401	73,821,601	10,200
del	HAB	H 4832	11	73,832,401	73,847,801	15,400
del	LAB	L 4347	11	73,832,401	73,847,601	15,200
del	HAB	H 4833	11	73,978,601	73,987,401	8,800
del	LAB	L 4348	11	74,034,601	74,052,601	18,000
del	HAB	H 4834	11	74,035,401	74,049,001	13,600
del	HAB	H 4835	11	74,117,401	74,131,201	13,800
del	LAB	L 4349	11	74,117,401	74,131,001	13,600
del	HAB	H 4836	11	74,181,401	74,200,801	19,400
del	HAB	H 4837	11	74,353,401	74,359,201	5,800
del	LAB	L 4350	11	74,354,001	74,359,001	5,000
del	HAB	H 4838	11	74,697,601	74,705,001	7,400
del	HAB	H 4839	11	76,362,201	76,371,601	9,400
del	LAB	L 4351	11	76,362,601	76,370,801	8,200
del	HAB	H 4840	11	76,641,201	76,648,201	7,000
del	LAB	L 4352	11	76,641,801	76,648,001	6,200
del	HAB	H 4841	11	79,554,401	79,559,401	5,000
del	LAB	L 4353	11	79,555,001	79,559,201	4,200
del	HAB	H 4842	11	79,685,801	79,691,001	5,200
del	LAB	L 4354	11	79,686,201	79,690,201	4,000
del	HAB	H 4843	11	81,941,601	81,955,201	13,600
del	LAB	L 4355	11	85,101,001	85,113,001	12,000
del	HAB	H 4844	11	87,702,401	87,707,601	5,200
del	LAB	L 4356	11	87,703,001	87,707,401	4,400

type	mouse line	no.	chr	start	end	size
del	HAB	H 4845	11	87,718,401	87,725,601	7,200
del	LAB	L 4357	11	87,718,601	87,725,601	7,000
del	HAB	H 4846	11	87,988,001	87,991,001	3,000
del	LAB	L 4358	11	88,751,201	88,757,601	6,400
del	HAB	H 4847	11	88,751,401	88,758,201	6,800
del	HAB	H 4848	11	88,766,401	88,782,201	15,800
del	LAB	L 4359	11	88,772,001	88,784,801	12,800
del	HAB	H 4849	11	89,415,001	89,422,201	7,200
del	LAB	L 4360	11	89,415,401	89,421,601	6,200
del	HAB	H 4850	11	89,765,001	89,772,201	7,200
del	LAB	L 4361	11	89,765,601	89,772,001	6,400
del	LAB	L 4362	11	89,815,801	89,829,801	14,000
del	HAB	H 4851	11	89,816,001	89,829,601	13,600
del	HAB	H 4852	11	90,690,601	90,696,401	5,800
del	LAB	L 4363	11	90,690,801	90,696,001	5,200
del	LAB	L 4364	11	90,719,201	90,734,601	15,400
del	HAB	H 4853	11	90,719,401	90,734,401	15,000
del	LAB	L 4365	11	90,760,001	90,772,801	12,800
del	HAB	H 4854	11	90,762,801	90,769,401	6,600
del	HAB	H 4855	11	90,821,201	90,828,801	7,600
del	LAB	L 4366	11	90,821,401	90,828,601	7,200
del	LAB	L 4367	11	90,876,401	90,888,401	12,000
del	HAB	H 4856	11	90,876,601	90,888,801	12,200
del	HAB	H 4857	11	91,957,801	91,967,801	10,000
del	LAB	L 4368	11	91,958,001	91,968,001	10,000
del	LAB	L 4369	11	91,989,401	91,992,601	3,200
del	HAB	H 4858	11	91,989,601	91,992,801	3,200
del	LAB	L 4370	11	92,446,201	92,464,801	18,600
del	HAB	H 4859	11	92,452,601	92,460,401	7,800
del	LAB	L 4371	11	92,555,201	92,562,601	7,400
del	LAB	L 4372	11	93,659,201	93,672,001	12,800
del	HAB	H 4860	11	94,483,801	94,490,801	7,000
del	LAB	L 4373	11	94,484,201	94,490,801	6,600
del	HAB	H 4861	11	94,619,201	94,722,601	103,400
del	HAB	H 4862	11	95,641,401	95,644,601	3,200
del	LAB	L 4374	11	99,655,201	99,673,001	17,800
del	HAB	H 4863	11	99,655,601	99,672,401	16,800
del	LAB	L 4375	11	99,685,401	99,693,801	8,400
del	HAB	H 4864	11	99,685,801	99,693,401	7,600
del	HAB	H 4865	11	102,945,001	102,954,001	9,000
del	LAB	L 4376	11	102,945,401	102,953,601	8,200
del	HAB	H 4866	11	104,100,201	104,104,401	4,200
del	LAB	L 4377	11	104,100,401	104,104,001	3,600
del	HAB	H 4867	11	104,510,401	104,517,001	6,600
del	LAB	L 4378	11	104,510,601	104,516,801	6,200
del	HAB	H 4868	11	105,289,201	105,296,201	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4379	11	105,289,601	105,295,801	6,200
del	LAB	L 4380	11	105,567,001	105,575,201	8,200
del	HAB	H 4869	11	105,889,401	105,895,201	5,800
del	LAB	L 4381	11	105,889,601	105,894,801	5,200
del	HAB	H 4870	11	106,804,801	106,811,601	6,800
del	LAB	L 4382	11	106,805,201	106,811,001	5,800
del	HAB	H 4871	11	107,966,801	107,974,601	7,800
del	LAB	L 4383	11	107,967,201	107,975,401	8,200
del	HAB	H 4872	11	108,254,401	108,265,801	11,400
del	LAB	L 4384	11	108,259,401	108,265,601	6,200
del	HAB	H 4873	11	108,511,201	108,516,801	5,600
del	LAB	L 4385	11	108,511,401	108,516,401	5,000
del	HAB	H 4874	11	108,550,201	108,555,401	5,200
del	LAB	L 4386	11	110,599,401	110,605,601	6,200
del	HAB	H 4875	11	110,599,801	110,606,801	7,000
del	HAB	H 4876	11	111,043,801	111,053,201	9,400
del	HAB	H 4877	11	111,076,601	111,084,401	7,800
del	HAB	H 4878	11	113,773,401	113,780,801	7,400
del	LAB	L 4387	11	113,773,401	113,780,401	7,000
del	LAB	L 4388	11	114,520,601	114,523,801	3,200
del	LAB	L 4389	11	114,826,201	114,845,001	18,800
del	HAB	H 4879	11	114,827,401	114,861,801	34,400
del	LAB	L 4390	11	115,611,801	115,623,401	11,600
del	HAB	H 4880	11	115,615,801	115,627,401	11,600
del	HAB	H 4881	11	116,250,201	116,259,401	9,200
del	LAB	L 4391	11	116,250,801	116,256,401	5,600
del	HAB	H 4882	11	116,646,601	116,658,201	11,600
del	LAB	L 4392	11	116,647,201	116,654,601	7,400
del	HAB	H 4883	11	117,361,001	117,366,401	5,400
del	HAB	H 4884	11	117,758,601	117,762,201	3,600
del	LAB	L 4393	11	117,758,801	117,761,601	2,800
del	HAB	H 4885	11	119,560,401	119,567,001	6,600
del	LAB	L 4394	11	119,560,601	119,567,201	6,600
del	LAB	L 4395	11	120,770,001	120,774,801	4,800
del	LAB	L 4396	11	120,931,401	120,936,001	4,600
del	HAB	H 4886	11	121,172,201	121,181,401	9,200
del	HAB	H 4887	11	121,258,201	121,264,801	6,600
del	HAB	H 4888	12	3,002,201	3,009,201	7,000
del	HAB	H 4889	12	3,033,801	3,038,401	4,600
del	LAB	L 4397	12	3,033,801	3,038,201	4,400
del	LAB	L 4398	12	3,058,401	3,069,001	10,600
del	HAB	H 4890	12	3,058,601	3,069,001	10,400
del	LAB	L 4399	12	3,103,001	3,117,201	14,200
del	HAB	H 4891	12	3,103,201	3,117,601	14,400
del	HAB	H 4892	12	4,761,001	4,766,201	5,200
del	LAB	L 4400	12	4,761,201	4,766,201	5,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4893	12	5,057,601	5,066,601	9,000
del	LAB	L 4401	12	5,057,801	5,066,201	8,400
del	HAB	H 4894	12	5,831,801	5,839,801	8,000
del	LAB	L 4402	12	5,832,001	5,839,801	7,800
del	LAB	L 4403	12	6,229,601	6,241,601	12,000
del	HAB	H 4895	12	6,229,801	6,241,601	11,800
del	HAB	H 4896	12	6,523,001	6,536,401	13,400
del	LAB	L 4404	12	6,523,401	6,536,601	13,200
del	HAB	H 4897	12	6,679,201	6,684,201	5,000
del	LAB	L 4405	12	6,808,601	6,816,601	8,000
del	LAB	L 4406	12	7,118,201	7,129,401	11,200
del	HAB	H 4898	12	7,123,801	7,129,601	5,800
del	HAB	H 4899	12	8,202,401	8,209,801	7,400
del	LAB	L 4407	12	8,202,801	8,209,601	6,800
del	HAB	H 4900	12	8,589,401	8,595,001	5,600
del	LAB	L 4408	12	8,589,601	8,594,801	5,200
del	LAB	L 4409	12	9,625,201	9,643,801	18,600
del	HAB	H 4901	12	9,625,601	9,643,201	17,600
del	HAB	H 4902	12	9,673,801	9,705,801	32,000
del	LAB	L 4410	12	9,673,801	9,705,401	31,600
del	HAB	H 4903	12	10,157,601	10,166,801	9,200
del	LAB	L 4411	12	10,157,801	10,166,601	8,800
del	HAB	H 4904	12	10,324,201	10,331,201	7,000
del	LAB	L 4412	12	10,324,201	10,331,201	7,000
del	HAB	H 4905	12	10,504,801	10,510,001	5,200
del	LAB	L 4413	12	10,505,201	10,510,801	5,600
del	HAB	H 4906	12	10,709,001	10,713,601	4,600
del	LAB	L 4414	12	10,709,601	10,713,401	3,800
del	LAB	L 4415	12	10,841,201	10,844,201	3,000
del	HAB	H 4907	12	10,916,401	10,933,201	16,800
del	LAB	L 4416	12	10,917,801	10,932,801	15,000
del	LAB	L 4417	12	10,978,001	11,009,201	31,200
del	HAB	H 4908	12	10,980,001	10,995,601	15,600
del	LAB	L 4418	12	11,110,401	11,117,601	7,200
del	LAB	L 4419	12	11,489,201	11,503,601	14,400
del	HAB	H 4909	12	11,489,401	11,503,601	14,200
del	LAB	L 4420	12	11,556,401	11,562,001	5,600
del	HAB	H 4910	12	11,648,801	11,659,401	10,600
del	HAB	H 4911	12	11,923,001	11,928,801	5,800
del	LAB	L 4421	12	11,923,401	11,928,801	5,400
del	HAB	H 4912	12	11,959,601	11,967,201	7,600
del	LAB	L 4422	12	11,960,201	11,967,001	6,800
del	HAB	H 4913	12	12,099,201	12,105,801	6,600
del	LAB	L 4423	12	12,099,401	12,106,001	6,600
del	HAB	H 4914	12	12,337,401	12,340,601	3,200
del	LAB	L 4424	12	12,337,601	12,340,201	2,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4915	12	12,866,201	12,872,601	6,400
del	LAB	L 4425	12	12,866,201	12,872,401	6,200
del	LAB	L 4426	12	13,387,601	13,392,001	4,400
del	HAB	H 4916	12	13,908,601	13,917,801	9,200
del	LAB	L 4427	12	13,908,801	13,917,801	9,000
del	HAB	H 4917	12	14,393,401	14,407,401	14,000
del	LAB	L 4428	12	14,394,801	14,405,601	10,800
del	HAB	H 4918	12	14,603,001	14,609,601	6,600
del	LAB	L 4429	12	14,603,001	14,609,001	6,000
del	LAB	L 4430	12	14,852,401	14,860,001	7,600
del	HAB	H 4919	12	14,852,801	14,857,601	4,800
del	LAB	L 4431	12	14,958,401	14,966,401	8,000
del	HAB	H 4920	12	14,960,401	14,966,601	6,200
del	HAB	H 4921	12	15,257,001	15,269,001	12,000
del	LAB	L 4432	12	15,257,401	15,269,201	11,800
del	HAB	H 4922	12	15,377,001	15,392,001	15,000
del	LAB	L 4433	12	15,377,001	15,391,801	14,800
del	HAB	H 4923	12	15,628,801	15,635,801	7,000
del	LAB	L 4434	12	15,629,001	15,635,601	6,600
del	HAB	H 4924	12	15,669,201	15,676,201	7,000
del	LAB	L 4435	12	15,669,801	15,675,801	6,000
del	HAB	H 4925	12	16,415,601	16,425,201	9,600
del	LAB	L 4436	12	16,416,001	16,425,201	9,200
del	HAB	H 4926	12	16,629,401	16,636,001	6,600
del	LAB	L 4437	12	16,629,601	16,635,801	6,200
del	HAB	H 4927	12	17,125,601	17,136,201	10,600
del	LAB	L 4438	12	17,125,801	17,136,001	10,200
del	HAB	H 4928	12	17,251,001	17,255,601	4,600
del	HAB	H 4929	12	17,841,801	17,847,801	6,000
del	LAB	L 4439	12	17,842,201	17,847,801	5,600
del	HAB	H 4930	12	17,877,001	17,882,801	5,800
del	LAB	L 4440	12	17,877,401	17,882,401	5,000
del	HAB	H 4931	12	17,966,001	17,974,201	8,200
del	LAB	L 4441	12	17,966,201	17,973,801	7,600
del	LAB	L 4442	12	18,048,801	18,054,201	5,400
del	HAB	H 4932	12	18,080,201	18,089,401	9,200
del	LAB	L 4443	12	18,080,201	18,086,401	6,200
del	HAB	H 4933	12	18,136,601	18,140,401	3,800
del	LAB	L 4444	12	18,136,801	18,140,401	3,600
del	HAB	H 4934	12	18,180,201	18,186,401	6,200
del	HAB	H 4935	12	18,202,201	18,225,801	23,600
del	HAB	H 4936	12	18,260,401	18,267,001	6,600
del	LAB	L 4445	12	18,260,601	18,266,401	5,800
del	HAB	H 4937	12	18,281,601	18,289,601	8,000
del	LAB	L 4446	12	18,282,001	18,289,401	7,400
del	HAB	H 4938	12	18,297,801	18,317,001	19,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4447	12	18,298,401	18,313,401	15,000
del	HAB	H 4939	12	18,344,201	18,361,601	17,400
del	LAB	L 4448	12	18,346,001	18,360,401	14,400
del	HAB	H 4940	12	18,447,401	18,453,801	6,400
del	LAB	L 4449	12	18,447,601	18,453,601	6,000
del	LAB	L 4450	12	18,468,401	18,479,801	11,400
del	HAB	H 4941	12	18,472,801	18,480,601	7,800
del	HAB	H 4942	12	18,752,401	18,764,601	12,200
del	LAB	L 4451	12	18,788,601	18,794,401	5,800
del	HAB	H 4943	12	18,820,201	18,824,801	4,600
del	HAB	H 4944	12	18,969,401	18,975,601	6,200
del	LAB	L 4452	12	18,969,601	18,975,601	6,000
del	LAB	L 4453	12	18,991,801	19,002,601	10,800
del	HAB	H 4945	12	19,111,201	19,118,001	6,800
del	HAB	H 4946	12	19,122,801	19,128,601	5,800
del	LAB	L 4454	12	19,122,801	19,128,401	5,600
del	HAB	H 4947	12	19,248,801	19,255,601	6,800
del	LAB	L 4455	12	19,249,201	19,255,401	6,200
del	HAB	H 4948	12	19,264,201	19,271,401	7,200
del	LAB	L 4456	12	19,264,201	19,271,201	7,000
del	HAB	H 4949	12	19,297,801	19,302,801	5,000
del	LAB	L 4457	12	19,298,001	19,302,601	4,600
del	HAB	H 4950	12	19,565,201	19,569,001	3,800
del	LAB	L 4458	12	19,565,401	19,568,601	3,200
del	HAB	H 4951	12	19,702,201	19,707,401	5,200
del	LAB	L 4459	12	19,702,401	19,707,401	5,000
del	HAB	H 4952	12	19,782,201	19,787,401	5,200
del	HAB	H 4953	12	19,803,801	19,809,201	5,400
del	LAB	L 4460	12	19,804,001	19,809,401	5,400
del	HAB	H 4954	12	19,819,801	19,824,201	4,400
del	LAB	L 4461	12	19,820,201	19,824,001	3,800
del	HAB	H 4955	12	19,863,601	19,870,601	7,000
del	LAB	L 4462	12	19,866,001	19,870,601	4,600
del	HAB	H 4956	12	19,899,801	19,910,401	10,600
del	LAB	L 4463	12	19,900,401	19,909,601	9,200
del	HAB	H 4957	12	19,937,401	19,944,401	7,000
del	LAB	L 4464	12	19,937,601	19,944,201	6,600
del	LAB	L 4465	12	19,951,001	19,954,001	3,000
del	HAB	H 4958	12	19,951,201	19,954,201	3,000
del	HAB	H 4959	12	20,064,001	20,071,201	7,200
del	LAB	L 4466	12	20,064,001	20,071,201	7,200
del	HAB	H 4960	12	20,159,601	20,166,801	7,200
del	LAB	L 4467	12	20,160,001	20,166,801	6,800
del	HAB	H 4961	12	20,498,801	20,502,601	3,800
del	LAB	L 4468	12	20,498,801	20,502,801	4,000
del	LAB	L 4469	12	20,695,201	20,710,401	15,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 4962	12	20,695,801	20,710,601	14,800
del	HAB	H 4963	12	20,872,201	20,876,601	4,400
del	LAB	L 4470	12	20,872,401	20,876,401	4,000
del	HAB	H 4964	12	20,911,801	20,915,801	4,000
del	HAB	H 4965	12	21,001,401	21,014,001	12,600
del	LAB	L 4471	12	21,001,401	21,013,801	12,400
del	HAB	H 4966	12	21,609,801	21,613,401	3,600
del	LAB	L 4472	12	21,610,401	21,613,201	2,800
del	HAB	H 4967	12	21,791,201	21,797,801	6,600
del	LAB	L 4473	12	21,791,401	21,797,601	6,200
del	LAB	L 4474	12	21,833,001	21,842,801	9,800
del	HAB	H 4968	12	21,833,401	21,842,801	9,400
del	HAB	H 4969	12	22,028,401	22,041,001	12,600
del	LAB	L 4475	12	22,028,401	22,041,801	13,400
del	HAB	H 4970	12	22,139,801	22,144,801	5,000
del	LAB	L 4476	12	22,140,001	22,144,801	4,800
del	HAB	H 4971	12	22,161,801	22,166,601	4,800
del	LAB	L 4477	12	22,162,601	22,166,601	4,000
del	LAB	L 4478	12	22,194,201	22,199,601	5,400
del	HAB	H 4972	12	22,355,601	22,368,801	13,200
del	LAB	L 4479	12	22,357,201	22,368,401	11,200
del	HAB	H 4973	12	22,492,601	22,505,401	12,800
del	LAB	L 4480	12	22,492,601	22,504,401	11,800
del	LAB	L 4481	12	22,574,201	22,585,801	11,600
del	HAB	H 4974	12	22,576,201	22,585,801	9,600
del	HAB	H 4975	12	22,691,201	22,704,201	13,000
del	LAB	L 4482	12	22,691,201	22,704,001	12,800
del	HAB	H 4976	12	22,753,201	22,758,001	4,800
del	LAB	L 4483	12	22,753,401	22,757,801	4,400
del	HAB	H 4977	12	22,837,401	22,843,201	5,800
del	LAB	L 4484	12	22,837,401	22,843,001	5,600
del	HAB	H 4978	12	22,960,401	22,967,201	6,800
del	LAB	L 4485	12	22,960,601	22,979,201	18,600
del	HAB	H 4979	12	22,973,601	22,979,401	5,800
del	HAB	H 4980	12	23,012,601	23,028,401	15,800
del	LAB	L 4486	12	23,012,601	23,023,001	10,400
del	LAB	L 4487	12	23,140,801	23,153,001	12,200
del	HAB	H 4981	12	23,180,401	23,187,201	6,800
del	LAB	L 4488	12	23,180,601	23,186,601	6,000
del	HAB	H 4982	12	23,215,001	23,219,801	4,800
del	LAB	L 4489	12	23,215,201	23,219,401	4,200
del	HAB	H 4983	12	23,227,001	23,229,801	2,800
del	LAB	L 4490	12	23,227,201	23,229,601	2,400
del	HAB	H 4984	12	23,623,001	23,625,601	2,600
del	LAB	L 4491	12	23,623,001	23,625,401	2,400
del	HAB	H 4985	12	23,646,601	23,652,801	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4492	12	23,666,801	23,680,001	13,200
del	HAB	H 4986	12	23,738,001	23,744,601	6,600
del	LAB	L 4493	12	23,738,201	23,744,201	6,000
del	HAB	H 4987	12	23,860,801	23,867,001	6,200
del	LAB	L 4494	12	23,860,801	23,866,801	6,000
del	HAB	H 4988	12	23,888,001	23,890,601	2,600
del	LAB	L 4495	12	23,888,001	23,890,201	2,200
del	HAB	H 4989	12	24,145,201	24,152,201	7,000
del	LAB	L 4496	12	24,145,401	24,152,001	6,600
del	HAB	H 4990	12	24,191,801	24,198,401	6,600
del	LAB	L 4497	12	24,192,001	24,198,001	6,000
del	HAB	H 4991	12	24,219,201	24,221,601	2,400
del	LAB	L 4498	12	24,219,201	24,221,401	2,200
del	HAB	H 4992	12	24,382,601	24,389,801	7,200
del	LAB	L 4499	12	24,382,801	24,389,801	7,000
del	HAB	H 4993	12	24,485,801	24,489,601	3,800
del	LAB	L 4500	12	24,486,201	24,489,801	3,600
del	HAB	H 4994	12	24,551,401	24,558,601	7,200
del	LAB	L 4501	12	24,551,401	24,558,401	7,000
del	HAB	H 4995	12	24,765,201	24,770,801	5,600
del	LAB	L 4502	12	24,765,401	24,770,401	5,000
del	HAB	H 4996	12	24,844,401	24,851,201	6,800
del	LAB	L 4503	12	24,844,801	24,851,201	6,400
del	LAB	L 4504	12	24,878,601	24,892,001	13,400
del	HAB	H 4997	12	25,005,001	25,021,201	16,200
del	LAB	L 4505	12	25,010,001	25,020,801	10,800
del	HAB	H 4998	12	25,028,601	25,034,001	5,400
del	LAB	L 4506	12	25,029,401	25,036,001	6,600
del	LAB	L 4507	12	25,080,001	25,087,401	7,400
del	HAB	H 4999	12	25,080,201	25,087,601	7,400
del	LAB	L 4508	12	25,107,201	25,128,801	21,600
del	HAB	H 5000	12	25,109,001	25,131,401	22,400
del	HAB	H 5001	12	25,376,401	25,381,201	4,800
del	LAB	L 4509	12	25,376,601	25,381,401	4,800
del	HAB	H 5002	12	25,409,601	25,412,801	3,200
del	LAB	L 4510	12	25,409,801	25,412,201	2,400
del	HAB	H 5003	12	26,276,601	26,280,201	3,600
del	LAB	L 4511	12	26,276,801	26,280,001	3,200
del	HAB	H 5004	12	26,431,801	26,438,601	6,800
del	LAB	L 4512	12	26,432,201	26,438,201	6,000
del	LAB	L 4513	12	26,717,201	26,740,001	22,800
del	HAB	H 5005	12	26,717,401	26,740,201	22,800
del	HAB	H 5006	12	26,791,801	26,794,001	2,200
del	LAB	L 4514	12	26,791,801	26,794,001	2,200
del	HAB	H 5007	12	27,204,001	27,208,801	4,800
del	LAB	L 4515	12	27,204,001	27,208,601	4,600



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5008	12	27,429,401	27,431,801	2,400
del	LAB	L 4516	12	27,429,401	27,432,201	2,800
del	HAB	H 5009	12	27,599,201	27,603,601	4,400
del	LAB	L 4517	12	27,599,601	27,603,401	3,800
del	HAB	H 5010	12	27,916,801	27,929,401	12,600
del	LAB	L 4518	12	27,917,001	27,929,401	12,400
del	HAB	H 5011	12	28,085,201	28,091,401	6,200
del	LAB	L 4519	12	28,085,201	28,091,601	6,400
del	HAB	H 5012	12	28,101,601	28,109,001	7,400
del	LAB	L 4520	12	28,382,801	28,393,401	10,600
del	HAB	H 5013	12	28,383,001	28,393,801	10,800
del	HAB	H 5014	12	28,581,001	28,589,401	8,400
del	LAB	L 4521	12	28,581,001	28,588,801	7,800
del	HAB	H 5015	12	28,846,001	28,853,001	7,000
del	LAB	L 4522	12	28,846,201	28,852,801	6,600
del	HAB	H 5016	12	28,876,201	28,882,601	6,400
del	LAB	L 4523	12	28,876,401	28,882,401	6,000
del	HAB	H 5017	12	28,928,401	28,933,001	4,600
del	LAB	L 4524	12	28,928,401	28,932,801	4,400
del	HAB	H 5018	12	29,021,201	29,024,601	3,400
del	LAB	L 4525	12	29,021,401	29,024,401	3,000
del	LAB	L 4526	12	29,174,601	29,178,801	4,200
del	HAB	H 5019	12	29,175,201	29,179,001	3,800
del	HAB	H 5020	12	29,799,001	29,802,001	3,000
del	LAB	L 4527	12	29,799,001	29,802,001	3,000
del	HAB	H 5021	12	30,064,401	30,074,801	10,400
del	LAB	L 4528	12	30,064,801	30,074,401	9,600
del	HAB	H 5022	12	30,174,201	30,182,201	8,000
del	LAB	L 4529	12	30,174,401	30,181,801	7,400
del	HAB	H 5023	12	30,769,601	30,776,401	6,800
del	LAB	L 4530	12	30,770,001	30,776,201	6,200
del	HAB	H 5024	12	30,871,801	30,878,401	6,600
del	LAB	L 4531	12	30,872,201	30,878,401	6,200
del	HAB	H 5025	12	31,199,801	31,206,001	6,200
del	LAB	L 4532	12	31,199,801	31,206,401	6,600
del	HAB	H 5026	12	31,365,201	31,372,201	7,000
del	LAB	L 4533	12	31,365,401	31,371,801	6,400
del	HAB	H 5027	12	31,455,001	31,457,201	2,200
del	HAB	H 5028	12	31,505,401	31,511,801	6,400
del	LAB	L 4534	12	31,505,601	31,511,801	6,200
del	LAB	L 4535	12	32,711,601	32,717,201	5,600
del	LAB	L 4536	12	33,219,401	33,227,001	7,600
del	LAB	L 4537	12	33,278,601	33,285,601	7,000
del	LAB	L 4538	12	33,913,801	33,919,801	6,000
del	LAB	L 4539	12	34,344,601	34,355,401	10,800
del	LAB	L 4540	12	34,752,001	34,764,801	12,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5029	12	35,307,601	35,314,201	6,600
del	LAB	L 4541	12	35,308,001	35,314,001	6,000
del	HAB	H 5030	12	35,418,201	35,424,801	6,600
del	LAB	L 4542	12	35,418,601	35,424,601	6,000
del	HAB	H 5031	12	35,958,201	35,964,601	6,400
del	HAB	H 5032	12	36,031,401	36,038,201	6,800
del	LAB	L 4543	12	36,031,801	36,038,401	6,600
del	LAB	L 4544	12	36,523,401	36,540,801	17,400
del	HAB	H 5033	12	36,525,001	36,540,401	15,400
del	HAB	H 5034	12	36,580,801	36,597,401	16,600
del	LAB	L 4545	12	36,580,801	36,597,201	16,400
del	HAB	H 5035	12	36,629,401	36,635,601	6,200
del	LAB	L 4546	12	36,629,401	36,635,601	6,200
del	LAB	L 4547	12	37,212,801	37,219,601	6,800
del	HAB	H 5036	12	37,681,001	37,688,801	7,800
del	LAB	L 4548	12	37,681,201	37,689,401	8,200
del	HAB	H 5037	12	37,877,201	37,882,601	5,400
del	LAB	L 4549	12	37,877,801	37,881,601	3,800
del	HAB	H 5038	12	37,924,401	37,935,001	10,600
del	LAB	L 4550	12	37,924,801	37,934,801	10,000
del	LAB	L 4551	12	38,752,801	38,774,801	22,000
del	HAB	H 5039	12	38,753,201	38,775,201	22,000
del	LAB	L 4552	12	39,186,001	39,196,801	10,800
del	HAB	H 5040	12	39,473,401	39,476,401	3,000
del	LAB	L 4553	12	39,473,401	39,476,401	3,000
del	HAB	H 5041	12	39,637,601	39,645,601	8,000
del	LAB	L 4554	12	39,637,801	39,645,801	8,000
del	HAB	H 5042	12	39,705,801	39,719,601	13,800
del	LAB	L 4555	12	39,706,001	39,719,401	13,400
del	HAB	H 5043	12	40,295,201	40,304,401	9,200
del	LAB	L 4556	12	40,295,601	40,304,201	8,600
del	HAB	H 5044	12	41,863,401	41,870,201	6,800
del	LAB	L 4557	12	41,863,601	41,870,201	6,600
del	HAB	H 5045	12	41,992,601	42,000,001	7,400
del	HAB	H 5046	12	42,090,201	42,100,801	10,600
del	LAB	L 4558	12	42,090,201	42,097,401	7,200
del	HAB	H 5047	12	42,105,401	42,112,201	6,800
del	LAB	L 4559	12	42,105,801	42,112,201	6,400
del	HAB	H 5048	12	43,016,201	43,019,801	3,600
del	LAB	L 4560	12	43,016,601	43,019,601	3,000
del	HAB	H 5049	12	43,074,001	43,084,201	10,200
del	LAB	L 4561	12	43,074,801	43,083,801	9,000
del	HAB	H 5050	12	43,338,401	43,344,201	5,800
del	HAB	H 5051	12	43,656,201	43,661,801	5,600
del	HAB	H 5052	12	43,721,201	43,731,001	9,800
del	LAB	L 4562	12	43,724,201	43,731,001	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5053	12	43,767,601	43,774,201	6,600
del	LAB	L 4563	12	43,767,601	43,774,201	6,600
del	HAB	H 5054	12	43,874,001	43,886,801	12,800
del	LAB	L 4564	12	43,875,201	43,886,401	11,200
del	HAB	H 5055	12	44,276,201	44,283,001	6,800
del	LAB	L 4565	12	44,276,401	44,282,801	6,400
del	HAB	H 5056	12	44,322,001	44,323,801	1,800
del	HAB	H 5057	12	44,438,401	44,451,201	12,800
del	LAB	L 4566	12	44,438,401	44,451,001	12,600
del	HAB	H 5058	12	44,594,401	44,611,201	16,800
del	LAB	L 4567	12	44,594,601	44,612,801	18,200
del	HAB	H 5059	12	44,822,801	44,831,601	8,800
del	LAB	L 4568	12	44,822,801	44,831,401	8,600
del	LAB	L 4569	12	44,845,201	44,855,401	10,200
del	HAB	H 5060	12	44,845,801	44,854,801	9,000
del	LAB	L 4570	12	45,090,801	45,096,201	5,400
del	HAB	H 5061	12	45,093,001	45,096,201	3,200
del	HAB	H 5062	12	45,356,401	45,363,601	7,200
del	LAB	L 4571	12	45,356,601	45,364,401	7,800
del	HAB	H 5063	12	45,393,601	45,396,801	3,200
del	LAB	L 4572	12	45,393,601	45,396,601	3,000
del	HAB	H 5064	12	45,584,201	45,593,401	9,200
del	HAB	H 5065	12	45,747,201	45,754,401	7,200
del	LAB	L 4573	12	45,747,201	45,754,601	7,400
del	HAB	H 5066	12	45,776,201	45,784,001	7,800
del	LAB	L 4574	12	45,776,601	45,783,801	7,200
del	HAB	H 5067	12	45,795,001	45,802,201	7,200
del	LAB	L 4575	12	45,796,201	45,804,001	7,800
del	HAB	H 5068	12	45,837,201	45,843,801	6,600
del	LAB	L 4576	12	45,837,601	45,851,801	14,200
del	LAB	L 4577	12	45,866,601	45,875,001	8,400
del	HAB	H 5069	12	45,866,801	45,875,801	9,000
del	HAB	H 5070	12	45,881,401	45,897,201	15,800
del	LAB	L 4578	12	45,881,601	45,897,001	15,400
del	HAB	H 5071	12	46,391,401	46,405,001	13,600
del	LAB	L 4579	12	46,521,801	46,525,401	3,600
del	HAB	H 5072	12	46,551,601	46,558,401	6,800
del	LAB	L 4580	12	46,551,801	46,558,401	6,600
del	LAB	L 4581	12	47,050,801	47,061,801	11,000
del	HAB	H 5073	12	47,051,001	47,061,801	10,800
del	HAB	H 5074	12	47,145,001	47,153,201	8,200
del	LAB	L 4582	12	47,145,001	47,153,201	8,200
del	HAB	H 5075	12	47,259,601	47,271,601	12,000
del	LAB	L 4583	12	47,260,201	47,271,401	11,200
del	HAB	H 5076	12	47,352,801	47,356,601	3,800
del	LAB	L 4584	12	47,352,801	47,376,401	23,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5077	12	47,368,601	47,376,201	7,600
del	HAB	H 5078	12	48,133,001	48,139,401	6,400
del	LAB	L 4585	12	48,133,201	48,139,601	6,400
del	LAB	L 4586	12	48,161,001	48,174,801	13,800
del	HAB	H 5079	12	48,162,401	48,174,801	12,400
del	HAB	H 5080	12	48,381,001	48,387,601	6,600
del	LAB	L 4587	12	48,381,201	48,387,601	6,400
del	HAB	H 5081	12	48,429,201	48,433,201	4,000
del	LAB	L 4588	12	48,429,201	48,433,201	4,000
del	HAB	H 5082	12	48,625,401	48,636,801	11,400
del	LAB	L 4589	12	48,957,601	48,962,001	4,400
del	HAB	H 5083	12	48,957,801	48,962,201	4,400
del	HAB	H 5084	12	49,342,401	49,358,401	16,000
del	LAB	L 4590	12	49,343,001	49,358,401	15,400
del	HAB	H 5085	12	49,437,201	49,445,201	8,000
del	LAB	L 4591	12	49,437,201	49,445,201	8,000
del	LAB	L 4592	12	49,618,401	49,628,801	10,400
del	HAB	H 5086	12	49,618,601	49,634,601	16,000
del	HAB	H 5087	12	49,652,801	49,658,801	6,000
del	LAB	L 4593	12	49,652,801	49,658,801	6,000
del	HAB	H 5088	12	49,762,601	49,767,401	4,800
del	LAB	L 4594	12	50,014,001	50,021,401	7,400
del	HAB	H 5089	12	50,014,401	50,021,401	7,000
del	HAB	H 5090	12	50,314,001	50,322,401	8,400
del	LAB	L 4595	12	50,365,801	50,379,201	13,400
del	HAB	H 5091	12	50,366,201	50,379,001	12,800
del	HAB	H 5092	12	50,403,401	50,413,401	10,000
del	LAB	L 4596	12	50,403,801	50,412,201	8,400
del	HAB	H 5093	12	50,442,201	50,458,601	16,400
del	LAB	L 4597	12	50,442,201	50,458,401	16,200
del	LAB	L 4598	12	50,624,601	50,633,401	8,800
del	HAB	H 5094	12	50,624,801	50,633,201	8,400
del	LAB	L 4599	12	50,703,001	50,717,601	14,600
del	HAB	H 5095	12	50,703,601	50,717,601	14,000
del	LAB	L 4600	12	50,798,401	50,808,001	9,600
del	HAB	H 5096	12	50,799,001	50,807,801	8,800
del	LAB	L 4601	12	50,883,601	50,888,001	4,400
del	HAB	H 5097	12	51,348,801	51,355,401	6,600
del	LAB	L 4602	12	51,348,801	51,355,401	6,600
del	HAB	H 5098	12	51,681,801	51,688,601	6,800
del	LAB	L 4603	12	51,879,801	51,895,201	15,400
del	HAB	H 5099	12	51,880,201	51,895,801	15,600
del	HAB	H 5100	12	52,076,001	52,082,201	6,200
del	LAB	L 4604	12	52,076,401	52,081,601	5,200
del	HAB	H 5101	12	52,274,401	52,280,401	6,000
del	LAB	L 4605	12	52,274,401	52,280,401	6,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5102	12	53,141,001	53,148,401	7,400
del	LAB	L 4606	12	53,141,401	53,148,401	7,000
del	HAB	H 5103	12	53,181,001	53,191,201	10,200
del	LAB	L 4607	12	53,181,801	53,191,401	9,600
del	HAB	H 5104	12	53,210,601	53,217,401	6,800
del	LAB	L 4608	12	53,210,801	53,217,601	6,800
del	HAB	H 5105	12	53,831,001	53,836,401	5,400
del	LAB	L 4609	12	53,831,401	53,836,201	4,800
del	HAB	H 5106	12	54,027,601	54,033,401	5,800
del	LAB	L 4610	12	54,027,601	54,033,401	5,800
del	HAB	H 5107	12	55,875,001	55,884,201	9,200
del	HAB	H 5108	12	57,251,601	57,264,001	12,400
del	LAB	L 4611	12	57,252,001	57,264,001	12,000
del	HAB	H 5109	12	57,310,201	57,316,001	5,800
del	HAB	H 5110	12	57,727,201	57,731,001	3,800
del	LAB	L 4612	12	57,848,801	57,852,801	4,000
del	HAB	H 5111	12	58,819,001	58,832,001	13,000
del	LAB	L 4613	12	58,826,601	58,832,201	5,600
del	LAB	L 4614	12	58,910,001	58,923,001	13,000
del	HAB	H 5112	12	58,915,001	58,923,201	8,200
del	HAB	H 5113	12	58,975,801	58,981,801	6,000
del	HAB	H 5114	12	59,011,001	59,018,201	7,200
del	HAB	H 5115	12	59,036,601	59,043,601	7,000
del	HAB	H 5116	12	59,210,201	59,236,001	25,800
del	LAB	L 4615	12	59,211,201	59,236,201	25,000
del	LAB	L 4616	12	59,252,201	59,268,801	16,600
del	HAB	H 5117	12	59,252,401	59,269,201	16,800
del	LAB	L 4617	12	59,392,801	59,397,401	4,600
del	LAB	L 4618	12	59,588,801	59,603,401	14,600
del	HAB	H 5118	12	59,589,001	59,603,401	14,400
del	LAB	L 4619	12	59,702,801	59,709,401	6,600
del	HAB	H 5119	12	59,871,201	59,887,801	16,600
del	LAB	L 4620	12	59,872,201	59,888,001	15,800
del	LAB	L 4621	12	59,960,801	59,969,401	8,600
del	HAB	H 5120	12	59,961,001	59,970,001	9,000
del	HAB	H 5121	12	60,135,801	60,140,001	4,200
del	LAB	L 4622	12	60,136,001	60,139,801	3,800
del	HAB	H 5122	12	60,462,201	60,468,201	6,000
del	LAB	L 4623	12	60,462,201	60,468,401	6,200
del	HAB	H 5123	12	60,541,201	60,552,201	11,000
del	LAB	L 4624	12	60,541,401	60,552,401	11,000
del	HAB	H 5124	12	60,652,001	60,659,201	7,200
del	LAB	L 4625	12	60,652,001	60,659,201	7,200
del	LAB	L 4626	12	60,696,601	60,705,001	8,400
del	HAB	H 5125	12	60,696,801	60,704,601	7,800
del	HAB	H 5126	12	61,549,201	61,565,001	15,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4627	12	61,549,201	61,565,201	16,000
del	HAB	H 5127	12	61,807,601	61,814,001	6,400
del	LAB	L 4628	12	61,807,801	61,814,001	6,200
del	HAB	H 5128	12	62,389,801	62,394,801	5,000
del	HAB	H 5129	12	62,459,001	62,476,801	17,800
del	LAB	L 4629	12	62,468,801	62,478,001	9,200
del	HAB	H 5130	12	62,730,801	62,743,001	12,200
del	LAB	L 4630	12	62,731,001	62,742,601	11,600
del	HAB	H 5131	12	62,804,001	62,809,201	5,200
del	LAB	L 4631	12	62,804,201	62,809,401	5,200
del	HAB	H 5132	12	62,979,601	62,982,601	3,000
del	HAB	H 5133	12	63,169,801	63,179,001	9,200
del	LAB	L 4632	12	63,170,401	63,179,201	8,800
del	HAB	H 5134	12	63,277,601	63,285,201	7,600
del	LAB	L 4633	12	63,333,601	63,358,401	24,800
del	HAB	H 5135	12	63,334,401	63,359,001	24,600
del	HAB	H 5136	12	63,635,801	63,651,401	15,600
del	LAB	L 4634	12	63,639,801	63,644,001	4,200
del	HAB	H 5137	12	64,060,601	64,071,001	10,400
del	LAB	L 4635	12	64,060,601	64,072,801	12,200
del	HAB	H 5138	12	64,077,001	64,106,601	29,600
del	LAB	L 4636	12	64,077,001	64,107,201	30,200
del	HAB	H 5139	12	64,137,601	64,149,401	11,800
del	LAB	L 4637	12	64,138,001	64,147,001	9,000
del	HAB	H 5140	12	64,220,201	64,228,401	8,200
del	LAB	L 4638	12	64,220,201	64,228,601	8,400
del	HAB	H 5141	12	64,268,001	64,275,601	7,600
del	LAB	L 4639	12	64,269,201	64,275,601	6,400
del	LAB	L 4640	12	64,360,601	64,365,001	4,400
del	HAB	H 5142	12	64,390,001	64,404,601	14,600
del	LAB	L 4641	12	64,390,401	64,402,201	11,800
del	HAB	H 5143	12	64,421,001	64,423,801	2,800
del	LAB	L 4642	12	64,491,001	64,504,801	13,800
del	HAB	H 5144	12	64,494,401	64,501,801	7,400
del	LAB	L 4643	12	64,558,401	64,572,201	13,800
del	LAB	L 4644	12	64,666,601	64,684,801	18,200
del	HAB	H 5145	12	64,667,001	64,684,801	17,800
del	LAB	L 4645	12	64,776,401	64,794,801	18,400
del	HAB	H 5146	12	64,787,801	64,794,801	7,000
del	HAB	H 5147	12	65,131,201	65,134,201	3,000
del	LAB	L 4646	12	65,131,401	65,134,001	2,600
del	LAB	L 4647	12	65,247,601	65,258,001	10,400
del	HAB	H 5148	12	65,247,801	65,255,001	7,200
del	LAB	L 4648	12	65,276,201	65,289,001	12,800
del	HAB	H 5149	12	65,494,601	65,497,601	3,000
del	LAB	L 4649	12	65,494,601	65,497,601	3,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5150	12	65,702,001	65,710,601	8,600
del	HAB	H 5151	12	65,822,001	65,842,201	20,200
del	LAB	L 4650	12	65,831,201	65,839,201	8,000
del	HAB	H 5152	12	65,894,801	65,902,201	7,400
del	LAB	L 4651	12	65,984,801	65,995,001	10,200
del	HAB	H 5153	12	65,985,201	65,995,401	10,200
del	HAB	H 5154	12	66,128,001	66,135,201	7,200
del	LAB	L 4652	12	66,128,201	66,135,201	7,000
del	HAB	H 5155	12	66,361,001	66,368,201	7,200
del	HAB	H 5156	12	66,734,201	66,741,401	7,200
del	LAB	L 4653	12	66,734,201	66,741,401	7,200
del	HAB	H 5157	12	66,885,201	66,888,401	3,200
del	HAB	H 5158	12	66,902,201	66,909,801	7,600
del	LAB	L 4654	12	66,902,201	66,909,201	7,000
del	LAB	L 4655	12	67,008,601	67,023,001	14,400
del	HAB	H 5159	12	67,014,201	67,023,001	8,800
del	LAB	L 4656	12	67,265,801	67,272,001	6,200
del	LAB	L 4657	12	67,301,201	67,304,601	3,400
del	LAB	L 4658	12	67,349,401	67,360,801	11,400
del	HAB	H 5160	12	67,504,601	67,515,601	11,000
del	HAB	H 5161	12	68,361,001	68,367,801	6,800
del	LAB	L 4659	12	68,361,401	68,367,401	6,000
del	HAB	H 5162	12	68,532,401	68,537,201	4,800
del	HAB	H 5163	12	68,655,601	68,662,801	7,200
del	HAB	H 5164	12	69,051,201	69,058,201	7,000
del	LAB	L 4660	12	69,502,001	69,509,801	7,800
del	HAB	H 5165	12	69,502,201	69,514,801	12,600
del	HAB	H 5166	12	69,535,801	69,547,601	11,800
del	LAB	L 4661	12	69,542,401	69,547,601	5,200
del	HAB	H 5167	12	69,658,801	69,664,801	6,000
del	LAB	L 4662	12	69,722,801	69,730,001	7,200
del	HAB	H 5168	12	69,799,801	69,807,001	7,200
del	LAB	L 4663	12	69,799,801	69,813,001	13,200
del	HAB	H 5169	12	69,846,001	69,854,801	8,800
del	LAB	L 4664	12	69,846,201	69,855,201	9,000
del	HAB	H 5170	12	69,968,601	69,972,401	3,800
del	HAB	H 5171	12	70,015,001	70,044,601	29,600
del	LAB	L 4665	12	70,015,201	70,044,201	29,000
del	LAB	L 4666	12	70,058,401	70,066,001	7,600
del	HAB	H 5172	12	70,058,801	70,066,001	7,200
del	HAB	H 5173	12	70,647,801	70,656,201	8,400
del	LAB	L 4667	12	70,648,201	70,656,201	8,000
del	HAB	H 5174	12	72,021,001	72,024,201	3,200
del	LAB	L 4668	12	72,188,601	72,195,401	6,800
del	HAB	H 5175	12	72,188,801	72,195,401	6,600
del	HAB	H 5176	12	72,690,601	72,697,601	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4669	12	72,690,601	72,697,201	6,600
del	HAB	H 5177	12	72,906,001	72,912,601	6,600
del	LAB	L 4670	12	72,906,201	72,912,401	6,200
del	HAB	H 5178	12	73,064,001	73,069,001	5,000
del	LAB	L 4671	12	73,064,201	73,068,601	4,400
del	HAB	H 5179	12	73,658,401	73,665,201	6,800
del	LAB	L 4672	12	73,658,401	73,665,001	6,600
del	HAB	H 5180	12	74,175,001	74,181,601	6,600
del	LAB	L 4673	12	74,411,401	74,416,801	5,400
del	HAB	H 5181	12	74,411,601	74,416,801	5,200
del	HAB	H 5182	12	75,721,001	75,736,401	15,400
del	LAB	L 4674	12	75,721,401	75,725,201	3,800
del	LAB	L 4675	12	75,729,801	75,736,201	6,400
del	HAB	H 5183	12	76,475,201	76,487,601	12,400
del	HAB	H 5184	12	78,870,001	78,876,401	6,400
del	LAB	L 4676	12	78,870,001	78,876,601	6,600
del	LAB	L 4677	12	80,157,601	80,160,401	2,800
del	LAB	L 4678	12	80,224,001	80,230,601	6,600
del	LAB	L 4679	12	80,663,001	80,670,201	7,200
del	LAB	L 4680	12	81,518,401	81,525,201	6,800
del	LAB	L 4681	12	82,447,001	82,456,801	9,800
del	HAB	H 5185	12	82,447,601	82,456,001	8,400
del	HAB	H 5186	12	82,683,801	82,689,201	5,400
del	LAB	L 4682	12	82,684,201	82,688,601	4,400
del	HAB	H 5187	12	83,562,001	83,567,801	5,800
del	LAB	L 4683	12	83,562,201	83,567,201	5,000
del	HAB	H 5188	12	83,734,401	83,741,801	7,400
del	LAB	L 4684	12	83,734,601	83,741,201	6,600
del	HAB	H 5189	12	83,884,201	83,894,601	10,400
del	LAB	L 4685	12	83,884,401	83,891,001	6,600
del	HAB	H 5190	12	86,742,001	86,749,601	7,600
del	LAB	L 4686	12	86,742,001	86,749,201	7,200
del	HAB	H 5191	12	88,860,201	88,878,001	17,800
del	LAB	L 4687	12	88,865,801	88,877,201	11,400
del	LAB	L 4688	12	88,928,201	88,939,401	11,200
del	HAB	H 5192	12	88,928,801	88,939,601	10,800
del	HAB	H 5193	12	88,975,601	88,982,201	6,600
del	LAB	L 4689	12	88,975,601	88,982,401	6,800
del	LAB	L 4690	12	89,070,801	89,077,801	7,000
del	HAB	H 5194	12	89,071,001	89,077,601	6,600
del	HAB	H 5195	12	89,140,001	89,157,001	17,000
del	LAB	L 4691	12	89,140,201	89,144,401	4,200
del	LAB	L 4692	12	89,206,601	89,218,401	11,800
del	HAB	H 5196	12	89,211,601	89,218,401	6,800
del	HAB	H 5197	12	89,352,401	89,356,201	3,800
del	LAB	L 4693	12	89,352,801	89,356,001	3,200



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5198	12	89,381,401	89,392,001	10,600
del	LAB	L 4694	12	89,381,601	89,391,001	9,400
del	HAB	H 5199	12	89,399,601	89,404,201	4,600
del	LAB	L 4695	12	89,399,601	89,407,001	7,400
del	HAB	H 5200	12	89,465,201	89,484,601	19,400
del	LAB	L 4696	12	89,465,201	89,485,001	19,800
del	HAB	H 5201	12	91,313,601	91,321,001	7,400
del	LAB	L 4697	12	91,314,001	91,321,001	7,000
del	LAB	L 4698	12	91,998,801	92,010,201	11,400
del	HAB	H 5202	12	92,005,001	92,010,401	5,400
del	LAB	L 4699	12	92,073,001	92,082,201	9,200
del	HAB	H 5203	12	92,200,601	92,207,201	6,600
del	LAB	L 4700	12	92,200,601	92,206,801	6,200
del	HAB	H 5204	12	92,314,801	92,318,001	3,200
del	HAB	H 5205	12	92,459,601	92,464,801	5,200
del	LAB	L 4701	12	92,459,801	92,464,601	4,800
del	HAB	H 5206	12	92,689,201	92,712,401	23,200
del	LAB	L 4702	12	92,689,601	92,713,401	23,800
del	HAB	H 5207	12	93,174,801	93,182,201	7,400
del	HAB	H 5208	12	93,403,801	93,411,401	7,600
del	HAB	H 5209	12	93,826,201	93,832,801	6,600
del	LAB	L 4703	12	93,826,201	93,832,601	6,400
del	HAB	H 5210	12	93,893,001	93,900,001	7,000
del	LAB	L 4704	12	93,893,201	93,900,801	7,600
del	HAB	H 5211	12	94,121,401	94,130,601	9,200
del	HAB	H 5212	12	94,497,001	94,504,201	7,200
del	HAB	H 5213	12	94,529,801	94,541,601	11,800
del	HAB	H 5214	12	94,556,001	94,562,401	6,400
del	HAB	H 5215	12	94,721,001	94,731,201	10,200
del	HAB	H 5216	12	94,747,801	94,755,201	7,400
del	HAB	H 5217	12	94,777,001	94,781,201	4,200
del	HAB	H 5218	12	94,797,401	94,804,801	7,400
del	HAB	H 5219	12	94,822,601	94,829,401	6,800
del	LAB	L 4705	12	95,155,601	95,163,201	7,600
del	HAB	H 5220	12	95,156,001	95,163,201	7,200
del	HAB	H 5221	12	95,274,401	95,281,801	7,400
del	HAB	H 5222	12	95,313,801	95,327,201	13,400
del	HAB	H 5223	12	95,675,401	95,683,801	8,400
del	HAB	H 5224	12	95,851,201	95,861,201	10,000
del	LAB	L 4706	12	95,853,801	95,861,201	7,400
del	HAB	H 5225	12	95,932,401	95,939,001	6,600
del	LAB	L 4707	12	95,933,001	95,938,801	5,800
del	LAB	L 4708	12	96,082,001	96,087,601	5,600
del	HAB	H 5226	12	96,082,201	96,087,601	5,400
del	HAB	H 5227	12	96,486,401	96,498,601	12,200
del	LAB	L 4709	12	96,493,001	96,498,801	5,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5228	12	96,578,601	96,585,201	6,600
del	HAB	H 5229	12	96,817,401	96,824,401	7,000
del	HAB	H 5230	12	96,849,401	96,856,401	7,000
del	HAB	H 5231	12	97,060,401	97,068,401	8,000
del	LAB	L 4710	12	97,218,201	97,222,201	4,000
del	HAB	H 5232	12	97,218,401	97,220,801	2,400
del	HAB	H 5233	12	97,744,801	97,756,201	11,400
del	LAB	L 4711	12	97,746,201	97,753,601	7,400
del	HAB	H 5234	12	98,078,801	98,085,801	7,000
del	LAB	L 4712	12	98,078,801	98,085,401	6,600
del	LAB	L 4713	12	98,795,801	98,805,201	9,400
del	HAB	H 5235	12	98,907,201	98,926,001	18,800
del	LAB	L 4714	12	98,907,201	98,925,801	18,600
del	LAB	L 4715	12	99,058,001	99,065,401	7,400
del	HAB	H 5236	12	99,058,201	99,065,601	7,400
del	LAB	L 4716	12	99,700,201	99,706,001	5,800
del	HAB	H 5237	12	100,743,201	100,747,601	4,400
del	LAB	L 4717	12	100,743,201	100,747,401	4,200
del	HAB	H 5238	12	102,374,401	102,387,601	13,200
del	LAB	L 4718	12	102,374,401	102,387,801	13,400
del	HAB	H 5239	12	102,447,001	102,497,401	50,400
del	LAB	L 4719	12	102,447,001	102,499,001	52,000
del	LAB	L 4720	12	102,574,801	102,584,201	9,400
del	HAB	H 5240	12	102,666,201	102,692,201	26,000
del	LAB	L 4721	12	102,666,401	102,691,801	25,400
del	HAB	H 5241	12	102,851,201	102,858,201	7,000
del	HAB	H 5242	12	102,923,001	102,925,401	2,400
del	HAB	H 5243	12	103,644,201	103,651,001	6,800
del	LAB	L 4722	12	103,664,801	103,667,801	3,000
del	HAB	H 5244	12	103,665,001	103,668,001	3,000
del	LAB	L 4723	12	104,689,201	104,708,201	19,000
del	HAB	H 5245	12	104,689,601	104,707,001	17,400
del	HAB	H 5246	12	104,955,601	105,133,801	178,200
del	LAB	L 4724	12	104,955,801	105,131,201	175,400
del	LAB	L 4725	12	105,135,401	105,179,801	44,400
del	HAB	H 5247	12	105,140,201	105,180,401	40,200
del	HAB	H 5248	12	105,439,601	105,446,401	6,800
del	LAB	L 4726	12	105,439,601	105,446,201	6,600
del	HAB	H 5249	12	105,456,601	105,503,201	46,600
del	LAB	L 4727	12	105,457,001	105,500,601	43,600
del	LAB	L 4728	12	106,539,001	106,543,801	4,800
del	HAB	H 5250	12	109,317,801	109,322,601	4,800
del	LAB	L 4729	12	109,318,001	109,322,601	4,600
del	LAB	L 4730	12	109,805,801	109,812,401	6,600
del	HAB	H 5251	12	110,399,801	110,425,001	25,200
del	LAB	L 4731	12	110,399,801	110,425,001	25,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4732	12	110,470,801	110,487,201	16,400
del	HAB	H 5252	12	110,471,001	110,485,401	14,400
del	HAB	H 5253	12	110,523,201	110,526,401	3,200
del	LAB	L 4733	12	110,523,401	110,526,401	3,000
del	HAB	H 5254	12	111,140,201	111,147,201	7,000
del	LAB	L 4734	12	111,140,401	111,147,001	6,600
del	HAB	H 5255	12	111,170,201	111,173,401	3,200
del	LAB	L 4735	12	111,170,801	111,173,001	2,200
del	HAB	H 5256	12	111,541,401	111,546,601	5,200
del	LAB	L 4736	12	111,541,801	111,546,601	4,800
del	HAB	H 5257	12	112,626,201	112,631,601	5,400
del	LAB	L 4737	12	112,626,401	112,631,601	5,200
del	LAB	L 4738	12	114,014,401	114,022,801	8,400
del	HAB	H 5258	12	114,014,601	114,022,401	7,800
del	HAB	H 5259	12	114,433,801	114,439,001	5,200
del	HAB	H 5260	12	114,471,801	114,478,401	6,600
del	LAB	L 4739	12	114,472,001	114,478,401	6,400
del	HAB	H 5261	12	114,572,601	114,576,201	3,600
del	HAB	H 5262	12	114,687,801	114,719,201	31,400
del	LAB	L 4740	12	114,688,401	114,718,401	30,000
del	LAB	L 4741	12	114,797,201	114,808,401	11,200
del	HAB	H 5263	12	114,828,001	115,027,801	199,800
del	HAB	H 5264	12	115,158,001	115,161,801	3,800
del	HAB	H 5265	12	115,178,801	115,293,601	114,800
del	HAB	H 5266	12	115,311,201	115,317,201	6,000
del	HAB	H 5267	12	115,467,001	115,482,401	15,400
del	LAB	L 4742	12	115,468,601	115,482,201	13,600
del	HAB	H 5268	12	115,517,201	115,520,401	3,200
del	HAB	H 5269	12	115,562,801	115,572,001	9,200
del	HAB	H 5270	12	115,675,001	115,680,001	5,000
del	HAB	H 5271	12	115,694,801	115,697,601	2,800
del	HAB	H 5272	12	115,717,401	115,781,401	64,000
del	HAB	H 5273	12	115,810,401	115,828,401	18,000
del	HAB	H 5274	12	115,866,201	115,879,001	12,800
del	HAB	H 5275	12	115,906,801	116,185,801	279,000
del	LAB	L 4743	12	115,954,401	115,997,001	42,600
del	HAB	H 5276	12	116,331,601	116,338,601	7,000
del	LAB	L 4744	12	116,331,601	116,339,801	8,200
del	HAB	H 5277	12	116,749,601	116,756,001	6,400
del	HAB	H 5278	12	116,796,401	116,824,401	28,000
del	LAB	L 4745	12	116,798,201	116,813,001	14,800
del	HAB	H 5279	12	116,843,801	116,850,201	6,400
del	HAB	H 5280	12	116,905,201	116,935,801	30,600
del	LAB	L 4746	12	116,908,401	116,923,401	15,000
del	LAB	L 4747	12	116,930,201	116,935,201	5,000
del	HAB	H 5281	12	116,961,401	116,983,801	22,400

type	mouse line	no.	chr	start	end	size
del	LAB	L 4748	12	116,963,601	116,976,401	12,800
del	HAB	H 5282	12	117,117,401	117,189,001	71,600
del	LAB	L 4749	12	117,175,801	117,180,001	4,200
del	HAB	H 5283	12	117,207,201	117,211,001	3,800
del	HAB	H 5284	12	117,218,001	117,228,401	10,400
del	LAB	L 4750	12	117,218,201	117,228,401	10,200
del	HAB	H 5285	12	117,254,001	117,259,201	5,200
del	HAB	H 5286	12	117,275,601	117,282,601	7,000
del	HAB	H 5287	12	117,486,801	117,490,801	4,000
del	LAB	L 4751	12	117,487,401	117,490,201	2,800
del	HAB	H 5288	12	117,779,401	117,786,201	6,800
del	HAB	H 5289	12	117,795,601	117,802,401	6,800
del	HAB	H 5290	12	117,848,001	117,851,801	3,800
del	HAB	H 5291	12	117,935,001	117,938,801	3,800
del	LAB	L 4752	12	117,935,001	117,938,601	3,600
del	HAB	H 5292	12	118,086,001	118,092,001	6,000
del	LAB	L 4753	12	118,306,401	118,312,801	6,400
del	HAB	H 5293	12	118,306,601	118,312,801	6,200
del	LAB	L 4754	12	119,036,601	119,042,601	6,000
del	LAB	L 4755	12	120,357,001	120,363,001	6,000
del	HAB	H 5294	12	120,357,401	120,372,001	14,600
del	LAB	L 4756	12	120,499,601	120,502,801	3,200
del	LAB	L 4757	12	120,777,801	120,783,401	5,600
del	HAB	H 5295	12	120,778,001	120,783,601	5,600
del	LAB	L 4758	12	120,816,201	120,837,201	21,000
del	HAB	H 5296	12	120,824,201	120,836,801	12,600
del	HAB	H 5297	12	120,899,001	120,914,201	15,200
del	LAB	L 4759	12	120,899,201	120,913,601	14,400
del	HAB	H 5298	12	120,925,801	120,935,801	10,000
del	LAB	L 4760	12	120,925,801	120,935,401	9,600
del	HAB	H 5299	12	120,987,401	120,993,401	6,000
del	LAB	L 4761	12	120,988,401	120,993,401	5,000
del	LAB	L 4762	12	121,013,001	121,037,401	24,400
del	HAB	H 5300	12	121,014,201	121,037,201	23,000
del	HAB	H 5301	12	121,225,601	121,232,801	7,200
del	LAB	L 4763	12	121,226,201	121,233,401	7,200
del	HAB	H 5302	13	3,014,801	3,027,201	12,400
del	LAB	L 4764	13	3,014,801	3,026,801	12,000
del	LAB	L 4765	13	3,067,601	3,079,801	12,200
del	HAB	H 5303	13	3,067,801	3,080,001	12,200
del	HAB	H 5304	13	3,108,601	3,116,001	7,400
del	LAB	L 4766	13	3,109,001	3,116,001	7,000
del	HAB	H 5305	13	3,160,801	3,170,801	10,000
del	LAB	L 4767	13	3,160,801	3,170,601	9,800
del	HAB	H 5306	13	3,196,201	3,205,001	8,800
del	HAB	H 5307	13	3,381,601	3,388,001	6,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4768	13	3,381,601	3,388,401	6,800
del	HAB	H 5308	13	3,505,401	3,510,201	4,800
del	LAB	L 4769	13	3,506,201	3,510,201	4,000
del	HAB	H 5309	13	3,833,201	3,840,801	7,600
del	LAB	L 4770	13	3,833,201	3,840,601	7,400
del	HAB	H 5310	13	4,014,201	4,024,001	9,800
del	LAB	L 4771	13	4,014,201	4,023,801	9,600
del	HAB	H 5311	13	4,066,801	4,069,601	2,800
del	LAB	L 4772	13	4,066,801	4,069,401	2,600
del	HAB	H 5312	13	4,626,001	4,641,401	15,400
del	LAB	L 4773	13	4,628,801	4,641,401	12,600
del	HAB	H 5313	13	4,763,601	4,769,401	5,800
del	LAB	L 4774	13	4,763,801	4,769,201	5,400
del	HAB	H 5314	13	4,981,401	4,999,401	18,000
del	LAB	L 4775	13	4,981,401	4,999,201	17,800
del	HAB	H 5315	13	5,063,201	5,069,801	6,600
del	HAB	H 5316	13	5,087,601	5,098,201	10,600
del	LAB	L 4776	13	5,088,201	5,098,001	9,800
del	LAB	L 4777	13	5,882,201	5,884,801	2,600
del	HAB	H 5317	13	6,266,001	6,269,001	3,000
del	LAB	L 4778	13	6,266,201	6,268,601	2,400
del	HAB	H 5318	13	6,434,801	6,441,801	7,000
del	LAB	L 4779	13	6,435,001	6,441,601	6,600
del	HAB	H 5319	13	6,488,601	6,491,801	3,200
del	LAB	L 4780	13	6,488,601	6,491,601	3,000
del	HAB	H 5320	13	6,605,201	6,612,201	7,000
del	LAB	L 4781	13	6,605,201	6,612,201	7,000
del	HAB	H 5321	13	6,667,001	6,673,801	6,800
del	LAB	L 4782	13	6,667,001	6,673,601	6,600
del	HAB	H 5322	13	6,691,401	6,733,201	41,800
del	LAB	L 4783	13	6,691,601	6,733,201	41,600
del	HAB	H 5323	13	6,760,801	6,764,201	3,400
del	HAB	H 5324	13	6,775,601	6,786,801	11,200
del	LAB	L 4784	13	6,775,601	6,786,601	11,000
del	HAB	H 5325	13	6,815,401	6,825,801	10,400
del	LAB	L 4785	13	6,816,001	6,825,601	9,600
del	LAB	L 4786	13	6,876,801	6,886,001	9,200
del	HAB	H 5326	13	6,877,001	6,887,001	10,000
del	HAB	H 5327	13	6,938,001	6,949,601	11,600
del	LAB	L 4787	13	7,012,001	7,016,201	4,200
del	LAB	L 4788	13	7,043,401	7,055,601	12,200
del	LAB	L 4789	13	7,119,601	7,130,001	10,400
del	LAB	L 4790	13	7,216,001	7,223,601	7,600
del	HAB	H 5328	13	7,216,201	7,222,801	6,600
del	HAB	H 5329	13	7,274,201	7,278,401	4,200
del	HAB	H 5330	13	7,399,401	7,415,401	16,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4791	13	7,399,601	7,417,001	17,400
del	LAB	L 4792	13	7,459,601	7,462,001	2,400
del	LAB	L 4793	13	7,889,601	7,898,401	8,800
del	HAB	H 5331	13	7,890,201	7,899,601	9,400
del	LAB	L 4794	13	7,943,201	7,965,201	22,000
del	LAB	L 4795	13	7,984,601	7,988,801	4,200
del	HAB	H 5332	13	7,985,201	7,988,801	3,600
del	LAB	L 4796	13	8,021,201	8,023,801	2,600
del	LAB	L 4797	13	8,037,001	8,044,001	7,000
del	LAB	L 4798	13	8,154,401	8,178,001	23,600
del	HAB	H 5333	13	8,289,801	8,296,001	6,200
del	LAB	L 4799	13	8,289,801	8,296,201	6,400
del	HAB	H 5334	13	8,468,801	8,474,201	5,400
del	LAB	L 4800	13	8,469,401	8,474,201	4,800
del	LAB	L 4801	13	8,664,601	8,667,801	3,200
del	HAB	H 5335	13	8,761,201	8,766,801	5,600
del	LAB	L 4802	13	8,761,401	8,766,601	5,200
del	LAB	L 4803	13	8,807,801	8,815,001	7,200
del	LAB	L 4804	13	8,895,001	8,901,801	6,800
del	HAB	H 5336	13	8,946,001	8,955,201	9,200
del	LAB	L 4805	13	9,346,801	9,349,201	2,400
del	HAB	H 5337	13	9,431,801	9,439,201	7,400
del	LAB	L 4806	13	9,432,001	9,439,201	7,200
del	LAB	L 4807	13	9,512,801	9,526,601	13,800
del	HAB	H 5338	13	9,513,001	9,526,601	13,600
del	HAB	H 5339	13	9,677,801	9,680,801	3,000
del	LAB	L 4808	13	9,827,801	9,843,401	15,600
del	HAB	H 5340	13	9,828,601	9,839,601	11,000
del	HAB	H 5341	13	9,850,401	9,859,801	9,400
del	LAB	L 4809	13	9,850,601	9,862,601	12,000
del	HAB	H 5342	13	10,173,801	10,180,401	6,600
del	LAB	L 4810	13	10,174,201	10,180,201	6,000
del	HAB	H 5343	13	10,423,201	10,432,201	9,000
del	LAB	L 4811	13	10,423,201	10,432,601	9,400
del	HAB	H 5344	13	10,773,801	10,778,801	5,000
del	HAB	H 5345	13	10,785,601	10,790,001	4,400
del	LAB	L 4812	13	10,786,001	10,789,001	3,000
del	HAB	H 5346	13	10,888,601	10,895,601	7,000
del	LAB	L 4813	13	10,888,601	10,895,401	6,800
del	HAB	H 5347	13	10,952,601	10,979,401	26,800
del	LAB	L 4814	13	10,952,601	10,966,601	14,000
del	LAB	L 4815	13	10,972,801	10,979,001	6,200
del	HAB	H 5348	13	11,219,401	11,236,201	16,800
del	LAB	L 4816	13	11,220,601	11,234,601	14,000
del	HAB	H 5349	13	11,264,001	11,268,201	4,200
del	LAB	L 4817	13	11,264,201	11,267,601	3,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4818	13	11,346,601	11,358,201	11,600
del	HAB	H 5350	13	11,347,401	11,358,001	10,600
del	HAB	H 5351	13	11,590,201	11,600,601	10,400
del	LAB	L 4819	13	11,592,001	11,600,401	8,400
del	LAB	L 4820	13	11,783,601	11,789,601	6,000
del	HAB	H 5352	13	11,784,801	11,789,201	4,400
del	HAB	H 5353	13	12,745,401	12,751,801	6,400
del	LAB	L 4821	13	12,745,801	12,751,601	5,800
del	HAB	H 5354	13	12,951,801	12,955,801	4,000
del	LAB	L 4822	13	12,952,001	12,955,601	3,600
del	HAB	H 5355	13	13,108,001	13,114,401	6,400
del	LAB	L 4823	13	13,108,201	13,114,401	6,200
del	HAB	H 5356	13	13,127,001	13,138,601	11,600
del	LAB	L 4824	13	13,127,601	13,130,601	3,000
del	HAB	H 5357	13	13,220,001	13,226,001	6,000
del	HAB	H 5358	13	13,430,001	13,433,601	3,600
del	HAB	H 5359	13	13,990,601	14,000,201	9,600
del	LAB	L 4825	13	13,991,201	14,000,201	9,000
del	HAB	H 5360	13	14,029,601	14,038,201	8,600
del	LAB	L 4826	13	14,029,801	14,037,601	7,800
del	HAB	H 5361	13	14,656,201	14,667,801	11,600
del	LAB	L 4827	13	14,656,201	14,668,001	11,800
del	LAB	L 4828	13	14,854,001	14,873,801	19,800
del	HAB	H 5362	13	14,854,401	14,874,001	19,600
del	HAB	H 5363	13	14,889,001	14,905,201	16,200
del	LAB	L 4829	13	14,889,001	14,902,401	13,400
del	LAB	L 4830	13	14,944,401	14,950,401	6,000
del	HAB	H 5364	13	15,230,401	15,242,201	11,800
del	LAB	L 4831	13	15,323,801	15,329,401	5,600
del	LAB	L 4832	13	15,334,601	15,357,801	23,200
del	HAB	H 5365	13	15,334,801	15,358,001	23,200
del	LAB	L 4833	13	15,523,401	15,530,401	7,000
del	HAB	H 5366	13	15,923,201	15,933,601	10,400
del	LAB	L 4834	13	15,923,401	15,933,801	10,400
del	HAB	H 5367	13	16,459,601	16,465,601	6,000
del	LAB	L 4835	13	16,459,801	16,465,601	5,800
del	HAB	H 5368	13	16,476,801	16,484,201	7,400
del	LAB	L 4836	13	16,500,201	16,506,401	6,200
del	HAB	H 5369	13	16,591,201	16,598,801	7,600
del	LAB	L 4837	13	16,591,801	16,598,601	6,800
del	HAB	H 5370	13	16,684,801	16,712,601	27,800
del	LAB	L 4838	13	16,685,001	16,712,801	27,800
del	LAB	L 4839	13	16,965,401	16,983,401	18,000
del	HAB	H 5371	13	16,970,401	16,983,001	12,600
del	LAB	L 4840	13	17,032,001	17,043,001	11,000
del	HAB	H 5372	13	17,237,401	17,248,001	10,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4841	13	17,237,801	17,248,201	10,400
del	HAB	H 5373	13	17,292,201	17,300,401	8,200
del	LAB	L 4842	13	17,292,401	17,300,201	7,800
del	LAB	L 4843	13	17,416,401	17,427,401	11,000
del	HAB	H 5374	13	17,532,401	17,538,401	6,000
del	HAB	H 5375	13	18,023,401	18,030,401	7,000
del	HAB	H 5376	13	18,094,201	18,100,601	6,400
del	HAB	H 5377	13	18,730,801	18,745,601	14,800
del	LAB	L 4844	13	18,731,201	18,745,601	14,400
del	HAB	H 5378	13	19,313,601	19,388,201	74,600
del	LAB	L 4845	13	19,314,401	19,373,401	59,000
del	HAB	H 5379	13	19,407,001	19,419,401	12,400
del	LAB	L 4846	13	19,407,001	19,420,001	13,000
del	HAB	H 5380	13	20,046,201	20,059,201	13,000
del	LAB	L 4847	13	20,046,401	20,059,201	12,800
del	HAB	H 5381	13	20,253,401	20,256,201	2,800
del	LAB	L 4848	13	20,254,201	20,255,801	1,600
del	HAB	H 5382	13	20,760,401	20,768,401	8,000
del	HAB	H 5383	13	20,804,401	20,811,201	6,800
del	LAB	L 4849	13	20,804,601	20,811,001	6,400
del	LAB	L 4850	13	20,951,801	20,971,201	19,400
del	HAB	H 5384	13	20,952,001	20,974,001	22,000
del	HAB	H 5385	13	21,721,401	21,742,001	20,600
del	LAB	L 4851	13	21,721,801	21,733,001	11,200
del	HAB	H 5386	13	21,854,601	21,860,201	5,600
del	LAB	L 4852	13	21,854,801	21,860,001	5,200
del	LAB	L 4853	13	22,177,801	22,180,801	3,000
del	LAB	L 4854	13	22,202,801	22,218,401	15,600
del	HAB	H 5387	13	22,206,601	22,213,801	7,200
del	LAB	L 4855	13	22,249,401	22,255,401	6,000
del	LAB	L 4856	13	22,320,201	22,327,601	7,400
del	HAB	H 5388	13	22,634,601	22,642,601	8,000
del	LAB	L 4857	13	22,634,801	22,642,601	7,800
del	LAB	L 4858	13	22,667,001	22,678,401	11,400
del	HAB	H 5389	13	22,669,001	22,678,201	9,200
del	HAB	H 5390	13	22,733,001	22,757,801	24,800
del	LAB	L 4859	13	22,733,601	22,758,601	25,000
del	HAB	H 5391	13	23,041,801	23,055,001	13,200
del	LAB	L 4860	13	23,042,201	23,052,201	10,000
del	HAB	H 5392	13	23,495,001	23,502,801	7,800
del	LAB	L 4861	13	23,495,001	23,502,601	7,600
del	HAB	H 5393	13	24,860,201	24,864,601	4,400
del	LAB	L 4862	13	24,860,201	24,863,201	3,000
del	HAB	H 5394	13	25,127,401	25,133,401	6,000
del	LAB	L 4863	13	25,127,601	25,133,201	5,600
del	HAB	H 5395	13	25,322,601	25,328,401	5,800



type	mouse line	no.	chr	start	end	size
del	LAB	L 4864	13	25,322,801	25,328,401	5,600
del	LAB	L 4865	13	26,619,401	26,621,001	1,600
del	HAB	H 5396	13	26,761,201	26,779,201	18,000
del	LAB	L 4866	13	26,762,801	26,779,001	16,200
del	HAB	H 5397	13	26,916,201	26,943,601	27,400
del	LAB	L 4867	13	26,916,201	26,941,801	25,600
del	HAB	H 5398	13	27,260,401	27,265,401	5,000
del	LAB	L 4868	13	27,260,601	27,265,801	5,200
del	HAB	H 5399	13	27,454,401	27,467,201	12,800
del	LAB	L 4869	13	27,454,401	27,468,001	13,600
del	HAB	H 5400	13	27,630,801	27,636,201	5,400
del	HAB	H 5401	13	27,963,801	27,980,201	16,400
del	LAB	L 4870	13	27,966,401	27,979,201	12,800
del	HAB	H 5402	13	28,020,801	28,030,201	9,400
del	HAB	H 5403	13	28,142,801	28,150,601	7,800
del	LAB	L 4871	13	28,142,801	28,150,801	8,000
del	HAB	H 5404	13	28,587,401	28,591,001	3,600
del	HAB	H 5405	13	29,335,201	29,341,401	6,200
del	LAB	L 4872	13	29,335,601	29,341,001	5,400
del	HAB	H 5406	13	29,972,801	29,984,201	11,400
del	LAB	L 4873	13	31,231,801	31,242,001	10,200
del	LAB	L 4874	13	31,325,401	31,332,201	6,800
del	HAB	H 5407	13	33,033,001	33,046,601	13,600
del	LAB	L 4875	13	33,033,401	33,046,401	13,000
del	HAB	H 5408	13	33,147,001	33,154,601	7,600
del	LAB	L 4876	13	33,147,201	33,154,601	7,400
del	HAB	H 5409	13	33,317,801	33,332,801	15,000
del	LAB	L 4877	13	33,318,201	33,333,001	14,800
del	HAB	H 5410	13	33,394,801	33,412,401	17,600
del	LAB	L 4878	13	33,395,201	33,412,601	17,400
del	HAB	H 5411	13	33,465,001	33,477,001	12,000
del	LAB	L 4879	13	33,465,001	33,476,401	11,400
del	HAB	H 5412	13	33,506,401	33,517,001	10,600
del	LAB	L 4880	13	33,506,801	33,516,401	9,600
del	LAB	L 4881	13	33,561,601	33,575,401	13,800
del	HAB	H 5413	13	33,561,801	33,576,201	14,400
del	HAB	H 5414	13	33,623,201	33,639,001	15,800
del	LAB	L 4882	13	33,623,201	33,639,401	16,200
del	HAB	H 5415	13	33,817,201	33,851,801	34,600
del	LAB	L 4883	13	33,817,201	33,851,401	34,200
del	LAB	L 4884	13	33,863,401	33,898,601	35,200
del	HAB	H 5416	13	33,864,401	33,898,801	34,400
del	HAB	H 5417	13	33,978,801	33,985,401	6,600
del	LAB	L 4885	13	33,978,801	33,984,601	5,800
del	HAB	H 5418	13	34,258,401	34,266,001	7,600
del	LAB	L 4886	13	34,259,001	34,265,801	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5419	13	35,138,201	35,145,201	7,000
del	LAB	L 4887	13	35,138,401	35,144,801	6,400
del	LAB	L 4888	13	35,649,201	35,671,201	22,000
del	HAB	H 5420	13	35,649,601	35,670,601	21,000
del	HAB	H 5421	13	36,065,801	36,069,001	3,200
del	LAB	L 4889	13	36,066,001	36,069,001	3,000
del	HAB	H 5422	13	36,880,001	36,887,001	7,000
del	LAB	L 4890	13	36,880,001	36,886,801	6,800
del	HAB	H 5423	13	36,929,601	36,943,001	13,400
del	LAB	L 4891	13	36,929,801	36,942,601	12,800
del	LAB	L 4892	13	37,352,001	37,361,401	9,400
del	HAB	H 5424	13	37,353,201	37,361,401	8,200
del	LAB	L 4893	13	38,201,401	38,206,601	5,200
del	HAB	H 5425	13	38,201,601	38,207,001	5,400
del	HAB	H 5426	13	39,598,401	39,606,801	8,400
del	LAB	L 4894	13	39,598,601	39,606,601	8,000
del	LAB	L 4895	13	40,035,001	40,042,801	7,800
del	HAB	H 5427	13	40,144,601	40,151,801	7,200
del	LAB	L 4896	13	40,144,801	40,156,401	11,600
del	HAB	H 5428	13	40,683,001	40,689,601	6,600
del	LAB	L 4897	13	40,683,201	40,689,401	6,200
del	HAB	H 5429	13	41,056,801	41,061,201	4,400
del	LAB	L 4898	13	41,057,001	41,061,001	4,000
del	HAB	H 5430	13	41,153,601	41,160,601	7,000
del	HAB	H 5431	13	43,372,601	43,380,201	7,600
del	LAB	L 4899	13	43,373,001	43,380,001	7,000
del	LAB	L 4900	13	44,359,801	44,366,801	7,000
del	LAB	L 4901	13	44,446,001	44,449,001	3,000
del	LAB	L 4902	13	45,106,401	45,113,601	7,200
del	LAB	L 4903	13	46,414,801	46,419,601	4,800
del	LAB	L 4904	13	46,471,801	46,478,401	6,600
del	HAB	H 5432	13	47,613,401	47,618,201	4,800
del	LAB	L 4905	13	47,613,401	47,617,801	4,400
del	HAB	H 5433	13	49,688,401	49,690,801	2,400
del	LAB	L 4906	13	49,688,401	49,690,401	2,000
del	HAB	H 5434	13	50,015,601	50,035,201	19,600
del	LAB	L 4907	13	50,015,601	50,035,001	19,400
del	HAB	H 5435	13	50,076,601	50,082,401	5,800
del	HAB	H 5436	13	50,110,801	50,117,401	6,600
del	LAB	L 4908	13	50,111,001	50,117,201	6,200
del	HAB	H 5437	13	50,170,201	50,179,401	9,200
del	HAB	H 5438	13	50,213,801	50,234,001	20,200
del	LAB	L 4909	13	50,213,801	50,234,401	20,600
del	HAB	H 5439	13	50,593,401	50,600,801	7,400
del	LAB	L 4910	13	50,594,001	50,600,201	6,200
del	HAB	H 5440	13	50,784,801	50,791,801	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4911	13	50,785,201	50,791,401	6,200
del	HAB	H 5441	13	50,825,401	50,834,401	9,000
del	LAB	L 4912	13	50,826,201	50,832,801	6,600
del	HAB	H 5442	13	50,965,001	50,971,601	6,600
del	LAB	L 4913	13	51,151,201	51,159,801	8,600
del	HAB	H 5443	13	51,151,401	51,161,401	10,000
del	HAB	H 5444	13	51,361,001	51,366,801	5,800
del	LAB	L 4914	13	51,361,201	51,366,401	5,200
del	HAB	H 5445	13	52,384,801	52,390,201	5,400
del	LAB	L 4915	13	52,385,001	52,390,001	5,000
del	HAB	H 5446	13	52,477,401	52,484,801	7,400
del	LAB	L 4916	13	52,477,601	52,484,201	6,600
del	LAB	L 4917	13	54,044,201	54,051,801	7,600
del	HAB	H 5447	13	54,447,001	54,458,001	11,000
del	LAB	L 4918	13	54,447,201	54,457,601	10,400
del	HAB	H 5448	13	54,522,801	54,525,001	2,200
del	HAB	H 5449	13	55,285,201	55,295,201	10,000
del	LAB	L 4919	13	55,286,001	55,293,001	7,000
del	HAB	H 5450	13	56,814,201	56,821,401	7,200
del	HAB	H 5451	13	57,302,801	57,309,601	6,800
del	HAB	H 5452	13	58,447,601	58,451,001	3,400
del	LAB	L 4920	13	58,447,801	58,451,401	3,600
del	LAB	L 4921	13	58,530,001	58,536,401	6,400
del	LAB	L 4922	13	59,203,001	59,209,201	6,200
del	LAB	L 4923	13	59,223,001	59,226,801	3,800
del	LAB	L 4924	13	60,123,001	60,130,001	7,000
del	HAB	H 5453	13	60,123,201	60,130,801	7,600
del	HAB	H 5454	13	60,298,001	60,305,601	7,600
del	LAB	L 4925	13	60,298,401	60,305,601	7,200
del	HAB	H 5455	13	60,427,001	60,429,601	2,600
del	HAB	H 5456	13	60,983,601	60,991,001	7,400
del	LAB	L 4926	13	60,983,601	60,990,601	7,000
del	LAB	L 4927	13	61,068,801	61,091,401	22,600
del	HAB	H 5457	13	61,069,201	61,091,201	22,000
del	HAB	H 5458	13	61,177,001	61,202,801	25,800
del	LAB	L 4928	13	61,177,201	61,202,801	25,600
del	HAB	H 5459	13	61,207,401	61,214,201	6,800
del	LAB	L 4929	13	61,207,801	61,215,001	7,200
del	HAB	H 5460	13	61,323,401	61,328,201	4,800
del	LAB	L 4930	13	61,323,401	61,328,001	4,600
del	LAB	L 4931	13	61,425,401	61,447,401	22,000
del	HAB	H 5461	13	61,426,001	61,447,401	21,400
del	HAB	H 5462	13	61,487,801	61,527,801	40,000
del	LAB	L 4932	13	61,489,201	61,528,001	38,800
del	HAB	H 5463	13	61,564,201	61,571,001	6,800
del	HAB	H 5464	13	61,584,201	61,667,401	83,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4933	13	61,584,401	61,667,601	83,200
del	HAB	H 5465	13	61,684,201	61,697,401	13,200
del	LAB	L 4934	13	61,692,001	61,697,601	5,600
del	HAB	H 5466	13	62,109,201	62,114,801	5,600
del	LAB	L 4935	13	62,109,601	62,114,601	5,000
del	HAB	H 5467	13	62,183,601	62,194,201	10,600
del	LAB	L 4936	13	62,183,601	62,194,001	10,400
del	HAB	H 5468	13	62,388,801	62,398,201	9,400
del	LAB	L 4937	13	62,388,801	62,398,401	9,600
del	HAB	H 5469	13	62,468,801	62,477,601	8,800
del	HAB	H 5470	13	62,574,201	62,590,401	16,200
del	LAB	L 4938	13	62,574,201	62,591,401	17,200
del	HAB	H 5471	13	62,649,601	62,659,401	9,800
del	LAB	L 4939	13	62,649,801	62,659,001	9,200
del	LAB	L 4940	13	62,825,801	62,834,801	9,000
del	HAB	H 5472	13	62,826,001	62,834,601	8,600
del	HAB	H 5473	13	63,243,201	63,246,801	3,600
del	LAB	L 4941	13	63,243,801	63,246,601	2,800
del	HAB	H 5474	13	63,258,201	63,265,401	7,200
del	LAB	L 4942	13	63,258,401	63,265,001	6,600
del	HAB	H 5475	13	63,319,201	63,324,401	5,200
del	LAB	L 4943	13	63,319,401	63,324,401	5,000
del	HAB	H 5476	13	63,538,601	63,545,801	7,200
del	LAB	L 4944	13	63,538,601	63,545,201	6,600
del	HAB	H 5477	13	64,599,601	64,602,401	2,800
del	LAB	L 4945	13	64,600,201	64,602,601	2,400
del	LAB	L 4946	13	64,681,201	64,690,401	9,200
del	HAB	H 5478	13	64,683,601	64,690,801	7,200
del	HAB	H 5479	13	64,707,801	64,714,601	6,800
del	LAB	L 4947	13	64,708,401	64,714,601	6,200
del	HAB	H 5480	13	64,743,801	64,765,401	21,600
del	LAB	L 4948	13	64,744,001	64,765,801	21,800
del	HAB	H 5481	13	64,931,201	64,937,001	5,800
del	HAB	H 5482	13	64,979,601	64,986,801	7,200
del	LAB	L 4949	13	64,979,801	64,986,801	7,000
del	HAB	H 5483	13	65,081,401	65,093,001	11,600
del	LAB	L 4950	13	65,082,001	65,092,601	10,600
del	HAB	H 5484	13	65,112,401	65,116,601	4,200
del	LAB	L 4951	13	65,113,001	65,116,401	3,400
del	HAB	H 5485	13	65,156,801	65,159,601	2,800
del	LAB	L 4952	13	65,156,801	65,159,401	2,600
del	HAB	H 5486	13	65,416,001	65,427,601	11,600
del	LAB	L 4953	13	65,420,001	65,427,201	7,200
del	HAB	H 5487	13	65,458,601	65,511,201	52,600
del	LAB	L 4954	13	65,502,001	65,509,801	7,800
del	HAB	H 5488	13	65,544,201	65,556,601	12,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5489	13	65,619,601	65,622,601	3,000
del	LAB	L 4955	13	65,619,801	65,622,401	2,600
del	HAB	H 5490	13	65,635,001	65,637,401	2,400
del	HAB	H 5491	13	65,698,801	65,701,801	3,000
del	HAB	H 5492	13	65,767,001	65,784,801	17,800
del	LAB	L 4956	13	65,767,401	65,784,601	17,200
del	HAB	H 5493	13	65,791,801	65,806,401	14,600
del	LAB	L 4957	13	65,798,001	65,806,201	8,200
del	HAB	H 5494	13	65,873,401	65,879,601	6,200
del	LAB	L 4958	13	65,873,601	65,879,401	5,800
del	HAB	H 5495	13	65,886,201	65,889,001	2,800
del	LAB	L 4959	13	65,886,401	65,888,801	2,400
del	HAB	H 5496	13	65,911,801	65,920,401	8,600
del	LAB	L 4960	13	65,912,201	65,920,201	8,000
del	HAB	H 5497	13	65,953,601	65,956,001	2,400
del	LAB	L 4961	13	65,963,401	65,966,001	2,600
del	HAB	H 5498	13	65,991,801	65,997,601	5,800
del	LAB	L 4962	13	65,994,401	65,997,001	2,600
del	HAB	H 5499	13	66,014,801	66,028,401	13,600
del	LAB	L 4963	13	66,015,001	66,026,801	11,800
del	LAB	L 4964	13	66,083,601	66,091,601	8,000
del	HAB	H 5500	13	66,087,601	66,091,401	3,800
del	HAB	H 5501	13	66,098,201	66,120,801	22,600
del	LAB	L 4965	13	66,098,601	66,120,401	21,800
del	HAB	H 5502	13	66,127,001	66,135,201	8,200
del	LAB	L 4966	13	66,127,001	66,135,201	8,200
del	HAB	H 5503	13	66,157,401	66,160,201	2,800
del	LAB	L 4967	13	66,157,401	66,159,801	2,400
del	HAB	H 5504	13	66,171,601	66,174,801	3,200
del	LAB	L 4968	13	66,171,801	66,174,601	2,800
del	HAB	H 5505	13	66,208,001	66,216,801	8,800
del	LAB	L 4969	13	66,208,001	66,216,401	8,400
del	HAB	H 5506	13	66,230,801	66,242,001	11,200
del	HAB	H 5507	13	66,249,201	66,254,801	5,600
del	LAB	L 4970	13	66,249,601	66,254,801	5,200
del	HAB	H 5508	13	66,329,801	66,337,601	7,800
del	LAB	L 4971	13	66,330,201	66,337,401	7,200
del	HAB	H 5509	13	66,475,001	66,489,201	14,200
del	LAB	L 4972	13	66,475,401	66,489,001	13,600
del	HAB	H 5510	13	66,577,801	66,581,201	3,400
del	HAB	H 5511	13	66,658,601	66,670,801	12,200
del	LAB	L 4973	13	66,659,201	66,670,401	11,200
del	HAB	H 5512	13	66,676,201	66,687,001	10,800
del	HAB	H 5513	13	66,712,801	66,717,001	4,200
del	HAB	H 5514	13	66,728,001	66,732,801	4,800
del	LAB	L 4974	13	66,728,201	66,732,401	4,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 4975	13	66,744,401	66,764,601	20,200
del	HAB	H 5515	13	66,745,401	66,764,401	19,000
del	HAB	H 5516	13	66,823,801	66,826,401	2,600
del	HAB	H 5517	13	66,846,201	66,851,601	5,400
del	HAB	H 5518	13	66,867,401	66,873,601	6,200
del	LAB	L 4976	13	66,868,001	66,873,201	5,200
del	HAB	H 5519	13	66,931,801	66,945,401	13,600
del	LAB	L 4977	13	66,932,001	66,945,601	13,600
del	HAB	H 5520	13	66,963,601	66,969,801	6,200
del	LAB	L 4978	13	66,964,601	66,969,801	5,200
del	HAB	H 5521	13	66,990,601	66,994,801	4,200
del	LAB	L 4979	13	66,991,201	66,994,201	3,000
del	LAB	L 4980	13	67,252,401	67,262,601	10,200
del	HAB	H 5522	13	67,252,601	67,297,401	44,800
del	HAB	H 5523	13	67,372,201	67,379,201	7,000
del	LAB	L 4981	13	67,372,601	67,378,801	6,200
del	HAB	H 5524	13	67,466,601	67,496,001	29,400
del	HAB	H 5525	13	67,700,801	67,810,001	109,200
del	LAB	L 4982	13	67,704,201	67,802,401	98,200
del	HAB	H 5526	13	67,985,801	67,994,201	8,400
del	LAB	L 4983	13	67,986,201	67,994,001	7,800
del	HAB	H 5527	13	68,015,601	68,024,401	8,800
del	HAB	H 5528	13	68,095,401	68,099,801	4,400
del	LAB	L 4984	13	68,095,801	68,099,601	3,800
del	HAB	H 5529	13	68,203,201	68,211,001	7,800
del	LAB	L 4985	13	68,203,601	68,211,001	7,400
del	HAB	H 5530	13	68,223,401	68,255,801	32,400
del	LAB	L 4986	13	68,228,601	68,242,201	13,600
del	HAB	H 5531	13	68,321,401	68,335,801	14,400
del	LAB	L 4987	13	68,321,801	68,340,201	18,400
del	HAB	H 5532	13	68,347,601	68,357,401	9,800
del	LAB	L 4988	13	68,351,001	68,357,001	6,000
del	HAB	H 5533	13	68,371,401	68,384,801	13,400
del	LAB	L 4989	13	68,371,801	68,377,401	5,600
del	HAB	H 5534	13	68,434,801	68,440,001	5,200
del	LAB	L 4990	13	68,434,801	68,440,001	5,200
del	HAB	H 5535	13	68,464,001	68,471,401	7,400
del	LAB	L 4991	13	68,464,601	68,470,801	6,200
del	HAB	H 5536	13	68,559,201	68,566,401	7,200
del	LAB	L 4992	13	68,559,401	68,566,201	6,800
del	HAB	H 5537	13	68,612,601	68,622,201	9,600
del	LAB	L 4993	13	68,615,601	68,621,801	6,200
del	HAB	H 5538	13	68,640,001	68,675,801	35,800
del	LAB	L 4994	13	68,644,401	68,662,601	18,200
del	HAB	H 5539	13	68,754,201	68,757,801	3,600
del	LAB	L 4995	13	68,754,601	68,757,401	2,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5540	13	69,032,001	69,039,001	7,000
del	LAB	L 4996	13	69,032,401	69,038,601	6,200
del	LAB	L 4997	13	69,212,001	69,225,001	13,000
del	HAB	H 5541	13	69,215,201	69,224,801	9,600
del	HAB	H 5542	13	69,255,601	69,258,601	3,000
del	LAB	L 4998	13	69,255,801	69,258,401	2,600
del	HAB	H 5543	13	69,291,201	69,298,001	6,800
del	LAB	L 4999	13	69,291,601	69,298,001	6,400
del	HAB	H 5544	13	69,310,001	69,317,401	7,400
del	LAB	L 5000	13	69,310,201	69,316,801	6,600
del	HAB	H 5545	13	70,014,801	70,029,401	14,600
del	LAB	L 5001	13	70,015,201	70,025,801	10,600
del	HAB	H 5546	13	70,527,401	70,539,201	11,800
del	HAB	H 5547	13	70,659,201	70,665,601	6,400
del	HAB	H 5548	13	71,224,401	71,231,001	6,600
del	LAB	L 5002	13	71,224,801	71,230,801	6,000
del	LAB	L 5003	13	71,482,801	71,489,201	6,400
del	LAB	L 5004	13	71,564,401	71,571,001	6,600
del	HAB	H 5549	13	71,564,601	71,570,601	6,000
del	HAB	H 5550	13	71,628,801	71,636,001	7,200
del	LAB	L 5005	13	71,629,001	71,635,601	6,600
del	LAB	L 5006	13	72,173,201	72,185,801	12,600
del	HAB	H 5551	13	72,179,801	72,185,801	6,000
del	LAB	L 5007	13	72,341,801	72,344,201	2,400
del	HAB	H 5552	13	72,661,801	72,667,401	5,600
del	LAB	L 5008	13	72,662,201	72,666,401	4,200
del	LAB	L 5009	13	74,843,201	74,851,401	8,200
del	LAB	L 5010	13	74,948,601	74,950,801	2,200
del	LAB	L 5011	13	75,015,201	75,024,201	9,000
del	HAB	H 5553	13	75,016,001	75,029,001	13,000
del	HAB	H 5554	13	75,307,001	75,322,201	15,200
del	LAB	L 5012	13	75,307,001	75,322,201	15,200
del	HAB	H 5555	13	75,338,001	75,351,801	13,800
del	LAB	L 5013	13	75,340,401	75,349,001	8,600
del	LAB	L 5014	13	75,814,001	75,819,601	5,600
del	LAB	L 5015	13	75,834,801	75,837,401	2,600
del	HAB	H 5556	13	75,964,401	75,967,001	2,600
del	HAB	H 5557	13	75,999,201	76,002,401	3,200
del	LAB	L 5016	13	75,999,601	76,002,401	2,800
del	HAB	H 5558	13	76,065,401	76,071,401	6,000
del	HAB	H 5559	13	76,169,601	76,174,001	4,400
del	LAB	L 5017	13	76,169,601	76,174,201	4,600
del	HAB	H 5560	13	76,214,601	76,226,001	11,400
del	LAB	L 5018	13	76,214,601	76,225,401	10,800
del	HAB	H 5561	13	76,338,201	76,347,601	9,400
del	LAB	L 5019	13	76,338,201	76,347,601	9,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5020	13	76,483,001	76,490,201	7,200
del	HAB	H 5562	13	76,483,201	76,490,201	7,000
del	HAB	H 5563	13	76,628,401	76,645,001	16,600
del	LAB	L 5021	13	76,628,801	76,644,601	15,800
del	HAB	H 5564	13	76,766,601	76,777,001	10,400
del	LAB	L 5022	13	76,767,201	76,776,801	9,600
del	HAB	H 5565	13	76,856,001	76,860,801	4,800
del	LAB	L 5023	13	76,856,801	76,860,801	4,000
del	HAB	H 5566	13	76,915,801	76,932,401	16,600
del	LAB	L 5024	13	76,916,001	76,931,601	15,600
del	LAB	L 5025	13	77,039,601	77,044,601	5,000
del	HAB	H 5567	13	77,040,001	77,046,401	6,400
del	HAB	H 5568	13	77,099,801	77,102,601	2,800
del	LAB	L 5026	13	77,100,201	77,102,201	2,000
del	HAB	H 5569	13	77,367,201	77,380,801	13,600
del	LAB	L 5027	13	77,367,401	77,381,601	14,200
del	HAB	H 5570	13	77,492,801	77,521,001	28,200
del	LAB	L 5028	13	77,504,201	77,520,801	16,600
del	HAB	H 5571	13	77,562,401	77,581,801	19,400
del	LAB	L 5029	13	77,564,601	77,578,201	13,600
del	HAB	H 5572	13	77,677,001	77,684,001	7,000
del	LAB	L 5030	13	77,677,201	77,683,601	6,400
del	HAB	H 5573	13	77,697,801	77,721,201	23,400
del	LAB	L 5031	13	77,698,401	77,782,801	84,400
del	HAB	H 5574	13	77,725,601	77,783,001	57,400
del	LAB	L 5032	13	77,809,801	77,822,601	12,800
del	HAB	H 5575	13	77,810,801	77,823,001	12,200
del	HAB	H 5576	13	77,834,801	77,841,601	6,800
del	LAB	L 5033	13	77,835,001	77,841,601	6,600
del	HAB	H 5577	13	77,882,801	77,885,601	2,800
del	LAB	L 5034	13	77,883,001	77,885,601	2,600
del	LAB	L 5035	13	77,913,401	77,944,001	30,600
del	HAB	H 5578	13	77,919,401	77,944,001	24,600
del	HAB	H 5579	13	78,080,201	78,092,001	11,800
del	LAB	L 5036	13	78,080,401	78,087,801	7,400
del	HAB	H 5580	13	78,196,001	78,209,001	13,000
del	HAB	H 5581	13	78,275,201	78,280,201	5,000
del	LAB	L 5037	13	78,275,601	78,280,201	4,600
del	HAB	H 5582	13	78,405,001	78,410,401	5,400
del	LAB	L 5038	13	78,405,201	78,410,201	5,000
del	HAB	H 5583	13	78,629,801	78,632,801	3,000
del	LAB	L 5039	13	78,630,001	78,632,801	2,800
del	HAB	H 5584	13	78,890,601	78,895,801	5,200
del	HAB	H 5585	13	78,965,401	78,979,001	13,600
del	LAB	L 5040	13	78,965,401	78,979,001	13,600
del	HAB	H 5586	13	79,084,801	79,091,801	7,000



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5041	13	79,085,201	79,092,001	6,800
del	HAB	H 5587	13	79,507,401	79,510,201	2,800
del	LAB	L 5042	13	79,507,601	79,509,801	2,200
del	HAB	H 5588	13	79,607,801	79,621,401	13,600
del	LAB	L 5043	13	79,607,801	79,621,601	13,800
del	HAB	H 5589	13	79,700,201	79,710,001	9,800
del	LAB	L 5044	13	79,700,201	79,709,601	9,400
del	HAB	H 5590	13	80,035,201	80,044,001	8,800
del	LAB	L 5045	13	80,035,201	80,044,201	9,000
del	HAB	H 5591	13	80,822,001	80,829,001	7,000
del	LAB	L 5046	13	80,822,001	80,828,801	6,800
del	HAB	H 5592	13	80,972,801	80,981,001	8,200
del	LAB	L 5047	13	80,973,601	80,980,201	6,600
del	HAB	H 5593	13	81,337,001	81,342,801	5,800
del	LAB	L 5048	13	81,337,201	81,343,001	5,800
del	HAB	H 5594	13	81,858,201	81,864,601	6,400
del	LAB	L 5049	13	81,858,401	81,864,601	6,200
del	HAB	H 5595	13	82,029,801	82,038,801	9,000
del	LAB	L 5050	13	82,029,801	82,044,001	14,200
del	LAB	L 5051	13	82,159,201	82,167,801	8,600
del	HAB	H 5596	13	82,281,201	82,287,601	6,400
del	LAB	L 5052	13	82,281,401	82,288,001	6,600
del	HAB	H 5597	13	82,827,001	82,834,201	7,200
del	LAB	L 5053	13	82,827,201	82,834,001	6,800
del	HAB	H 5598	13	83,273,401	83,276,601	3,200
del	LAB	L 5054	13	83,273,601	83,276,001	2,400
del	HAB	H 5599	13	83,365,801	83,374,001	8,200
del	LAB	L 5055	13	83,366,001	83,374,201	8,200
del	HAB	H 5600	13	84,231,001	84,238,201	7,200
del	LAB	L 5056	13	84,231,001	84,237,201	6,200
del	HAB	H 5601	13	84,248,401	84,255,201	6,800
del	LAB	L 5057	13	84,249,001	84,255,801	6,800
del	HAB	H 5602	13	84,342,401	84,348,201	5,800
del	LAB	L 5058	13	84,342,401	84,348,201	5,800
del	HAB	H 5603	13	84,580,401	84,587,201	6,800
del	HAB	H 5604	13	84,623,001	84,630,601	7,600
del	HAB	H 5605	13	84,855,601	84,873,001	17,400
del	LAB	L 5059	13	84,862,001	84,873,001	11,000
del	HAB	H 5606	13	84,956,401	84,962,401	6,000
del	LAB	L 5060	13	84,956,401	84,996,801	40,400
del	HAB	H 5607	13	84,969,401	84,975,601	6,200
del	HAB	H 5608	13	84,981,201	84,996,201	15,000
del	LAB	L 5061	13	85,089,401	85,104,601	15,200
del	LAB	L 5062	13	85,272,401	85,275,401	3,000
del	LAB	L 5063	13	85,283,001	85,285,401	2,400
del	LAB	L 5064	13	85,543,401	85,546,601	3,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5065	13	85,599,801	85,610,201	10,400
del	LAB	L 5066	13	85,736,201	85,745,201	9,000
del	HAB	H 5609	13	85,809,601	85,816,801	7,200
del	LAB	L 5067	13	85,810,201	85,818,001	7,800
del	HAB	H 5610	13	85,977,801	85,985,401	7,600
del	LAB	L 5068	13	85,977,801	85,985,201	7,400
del	HAB	H 5611	13	86,012,001	86,021,801	9,800
del	LAB	L 5069	13	86,012,001	86,021,601	9,600
del	HAB	H 5612	13	86,073,801	86,080,801	7,000
del	LAB	L 5070	13	86,075,201	86,081,601	6,400
del	HAB	H 5613	13	86,305,801	86,310,801	5,000
del	LAB	L 5071	13	86,305,801	86,311,001	5,200
del	HAB	H 5614	13	86,335,801	86,341,801	6,000
del	LAB	L 5072	13	86,336,401	86,343,201	6,800
del	HAB	H 5615	13	86,421,001	86,428,001	7,000
del	LAB	L 5073	13	86,421,001	86,428,001	7,000
del	LAB	L 5074	13	86,432,801	86,441,001	8,200
del	HAB	H 5616	13	86,433,001	86,441,601	8,600
del	LAB	L 5075	13	86,633,401	86,654,201	20,800
del	HAB	H 5617	13	86,638,201	86,654,401	16,200
del	HAB	H 5618	13	86,718,201	86,730,001	11,800
del	LAB	L 5076	13	86,719,401	86,724,601	5,200
del	HAB	H 5619	13	86,770,801	86,777,601	6,800
del	HAB	H 5620	13	86,852,201	86,859,601	7,400
del	LAB	L 5077	13	86,895,601	86,905,401	9,800
del	HAB	H 5621	13	86,896,201	86,905,401	9,200
del	HAB	H 5622	13	86,912,001	86,918,001	6,000
del	HAB	H 5623	13	87,203,201	87,212,401	9,200
del	HAB	H 5624	13	87,277,201	87,287,401	10,200
del	LAB	L 5078	13	87,277,601	87,290,201	12,600
del	HAB	H 5625	13	87,323,001	87,331,001	8,000
del	HAB	H 5626	13	87,412,401	87,422,801	10,400
del	HAB	H 5627	13	87,488,401	87,496,401	8,000
del	HAB	H 5628	13	87,646,001	87,660,801	14,800
del	LAB	L 5079	13	87,646,401	87,660,801	14,400
del	HAB	H 5629	13	88,032,801	88,044,401	11,600
del	LAB	L 5080	13	88,033,401	88,048,601	15,200
del	HAB	H 5630	13	88,518,801	88,523,601	4,800
del	HAB	H 5631	13	89,122,001	89,138,201	16,200
del	HAB	H 5632	13	89,581,801	89,589,801	8,000
del	LAB	L 5081	13	89,582,001	89,589,401	7,400
del	HAB	H 5633	13	90,001,401	90,011,801	10,400
del	HAB	H 5634	13	90,182,201	90,192,001	9,800
del	HAB	H 5635	13	90,425,401	90,430,801	5,400
del	HAB	H 5636	13	90,551,801	90,556,401	4,600
del	LAB	L 5082	13	90,572,001	90,586,001	14,000

type	mouse line	no.	chr	start	end	size
del	HAB	H 5637	13	90,572,401	90,586,801	14,400
del	HAB	H 5638	13	90,739,001	90,746,401	7,400
del	LAB	L 5083	13	90,739,601	90,746,601	7,000
del	HAB	H 5639	13	91,954,601	91,961,201	6,600
del	LAB	L 5084	13	92,086,201	92,090,601	4,400
del	LAB	L 5085	13	93,042,401	93,047,601	5,200
del	HAB	H 5640	13	93,042,601	93,047,801	5,200
del	HAB	H 5641	13	94,045,201	94,060,601	15,400
del	LAB	L 5086	13	94,045,401	94,060,401	15,000
del	LAB	L 5087	13	97,127,401	97,134,201	6,800
del	HAB	H 5642	13	98,485,801	98,503,001	17,200
del	HAB	H 5643	13	98,617,601	98,623,401	5,800
del	LAB	L 5088	13	98,617,601	98,623,201	5,600
del	HAB	H 5644	13	98,852,801	98,860,201	7,400
del	LAB	L 5089	13	98,852,801	98,860,001	7,200
del	HAB	H 5645	13	99,095,601	99,100,401	4,800
del	HAB	H 5646	13	99,756,401	99,764,801	8,400
del	LAB	L 5090	13	99,756,401	99,764,601	8,200
del	LAB	L 5091	13	99,899,001	99,907,801	8,800
del	HAB	H 5647	13	99,899,201	99,907,801	8,600
del	HAB	H 5648	13	100,479,201	100,486,001	6,800
del	LAB	L 5092	13	100,479,401	100,485,801	6,400
del	HAB	H 5649	13	100,587,601	100,593,001	5,400
del	LAB	L 5093	13	100,588,201	100,592,801	4,600
del	HAB	H 5650	13	100,994,001	100,998,001	4,000
del	HAB	H 5651	13	101,009,601	101,112,401	102,800
del	HAB	H 5652	13	101,143,801	101,210,401	66,600
del	LAB	L 5094	13	101,144,201	101,212,401	68,200
del	HAB	H 5653	13	101,358,401	101,364,201	5,800
del	LAB	L 5095	13	101,358,801	101,364,201	5,400
del	HAB	H 5654	13	103,186,201	103,198,201	12,000
del	LAB	L 5096	13	103,186,401	103,195,801	9,400
del	HAB	H 5655	13	103,204,801	103,208,401	3,600
del	HAB	H 5656	13	103,262,401	103,271,201	8,800
del	LAB	L 5097	13	103,264,601	103,271,201	6,600
del	HAB	H 5657	13	103,374,001	103,411,001	37,000
del	HAB	H 5658	13	103,617,001	103,624,401	7,400
del	LAB	L 5098	13	103,617,201	103,624,201	7,000
del	LAB	L 5099	13	104,021,201	104,023,601	2,400
del	HAB	H 5659	13	104,146,201	104,149,201	3,000
del	LAB	L 5100	13	104,146,601	104,149,401	2,800
del	HAB	H 5660	13	104,190,801	104,197,601	6,800
del	LAB	L 5101	13	104,191,001	104,197,601	6,600
del	HAB	H 5661	13	104,356,201	104,364,801	8,600
del	LAB	L 5102	13	104,356,201	104,362,801	6,600
del	HAB	H 5662	13	104,371,801	104,378,601	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5103	13	104,372,401	104,378,201	5,800
del	LAB	L 5104	13	104,720,001	104,727,401	7,400
del	LAB	L 5105	13	104,737,201	104,739,801	2,600
del	HAB	H 5663	13	105,913,801	105,918,401	4,600
del	LAB	L 5106	13	106,400,201	106,406,201	6,000
del	HAB	H 5664	13	106,401,201	106,405,801	4,600
del	LAB	L 5107	13	106,496,401	106,506,001	9,600
del	HAB	H 5665	13	106,496,601	106,506,201	9,600
del	HAB	H 5666	13	106,565,801	106,595,001	29,200
del	LAB	L 5108	13	106,571,801	106,584,601	12,800
del	HAB	H 5667	13	106,756,601	106,769,201	12,600
del	HAB	H 5668	13	107,084,001	107,096,401	12,400
del	LAB	L 5109	13	107,084,001	107,096,201	12,200
del	HAB	H 5669	13	107,162,801	107,178,001	15,200
del	LAB	L 5110	13	107,165,201	107,175,201	10,000
del	LAB	L 5111	13	107,372,201	107,379,201	7,000
del	HAB	H 5670	13	107,393,001	107,426,401	33,400
del	LAB	L 5112	13	107,393,601	107,428,401	34,800
del	LAB	L 5113	13	107,447,401	107,468,801	21,400
del	HAB	H 5671	13	107,447,601	107,469,201	21,600
del	HAB	H 5672	13	108,140,001	108,149,201	9,200
del	LAB	L 5114	13	108,140,001	108,148,801	8,800
del	HAB	H 5673	13	108,787,801	108,793,401	5,600
del	HAB	H 5674	13	109,184,401	109,191,201	6,800
del	HAB	H 5675	13	109,246,601	109,249,001	2,400
del	HAB	H 5676	13	109,293,201	109,309,401	16,200
del	LAB	L 5115	13	109,297,001	109,305,201	8,200
del	LAB	L 5116	13	109,894,201	109,897,201	3,000
del	HAB	H 5677	13	109,894,601	109,897,601	3,000
del	LAB	L 5117	13	110,156,401	110,163,001	6,600
del	LAB	L 5118	13	110,200,001	110,206,401	6,400
del	LAB	L 5119	13	110,463,001	110,465,801	2,800
del	LAB	L 5120	13	110,642,001	110,649,001	7,000
del	HAB	H 5678	13	111,099,001	111,107,001	8,000
del	LAB	L 5121	13	111,099,601	111,106,401	6,800
del	HAB	H 5679	13	111,400,001	111,405,801	5,800
del	HAB	H 5680	13	111,519,401	111,523,001	3,600
del	LAB	L 5122	13	111,519,801	111,522,601	2,800
del	HAB	H 5681	13	111,852,001	111,865,801	13,800
del	LAB	L 5123	13	111,852,401	111,865,601	13,200
del	HAB	H 5682	13	112,010,001	112,014,401	4,400
del	HAB	H 5683	13	112,289,801	112,297,401	7,600
del	LAB	L 5124	13	112,289,801	112,302,401	12,600
del	HAB	H 5684	13	112,484,201	112,491,201	7,000
del	LAB	L 5125	13	112,484,401	112,491,001	6,600
del	HAB	H 5685	13	112,518,801	112,528,201	9,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5686	13	113,014,801	113,017,801	3,000
del	LAB	L 5126	13	113,015,001	113,017,401	2,400
del	LAB	L 5127	13	114,064,401	114,074,801	10,400
del	HAB	H 5687	13	114,064,801	114,073,401	8,600
del	HAB	H 5688	13	114,593,601	114,596,801	3,200
del	LAB	L 5128	13	114,593,801	114,597,001	3,200
del	HAB	H 5689	13	116,663,801	116,670,801	7,000
del	LAB	L 5129	13	116,664,001	116,670,801	6,800
del	HAB	H 5690	13	116,679,201	116,686,801	7,600
del	HAB	H 5691	13	116,732,001	116,734,801	2,800
del	LAB	L 5130	13	116,732,201	116,734,401	2,200
del	HAB	H 5692	13	116,746,801	116,762,601	15,800
del	LAB	L 5131	13	116,746,801	116,762,401	15,600
del	LAB	L 5132	13	116,874,401	116,890,001	15,600
del	HAB	H 5693	13	116,880,401	116,889,801	9,400
del	HAB	H 5694	13	116,914,801	116,922,001	7,200
del	LAB	L 5133	13	116,914,801	116,922,001	7,200
del	HAB	H 5695	13	117,020,001	117,030,601	10,600
del	HAB	H 5696	13	117,157,601	117,163,801	6,200
del	HAB	H 5697	13	117,255,801	117,259,001	3,200
del	LAB	L 5134	13	117,256,001	117,258,801	2,800
del	HAB	H 5698	13	117,367,601	117,373,801	6,200
del	LAB	L 5135	13	117,367,601	117,373,601	6,000
del	HAB	H 5699	13	117,625,801	117,631,801	6,000
del	LAB	L 5136	13	117,626,001	117,631,601	5,600
del	HAB	H 5700	13	117,919,001	117,922,401	3,400
del	LAB	L 5137	13	117,919,201	117,922,201	3,000
del	HAB	H 5701	13	118,039,401	118,044,001	4,600
del	HAB	H 5702	13	118,084,401	118,091,801	7,400
del	LAB	L 5138	13	118,084,601	118,091,601	7,000
del	HAB	H 5703	13	118,230,001	118,234,401	4,400
del	LAB	L 5139	13	118,230,201	118,233,801	3,600
del	HAB	H 5704	13	118,859,201	118,862,801	3,600
del	HAB	H 5705	13	119,047,401	119,052,001	4,600
del	HAB	H 5706	13	119,106,001	119,113,601	7,600
del	LAB	L 5140	13	119,106,401	119,116,201	9,800
del	LAB	L 5141	13	119,308,401	119,317,801	9,400
del	HAB	H 5707	13	119,310,001	119,317,601	7,600
del	HAB	H 5708	13	119,349,201	119,352,601	3,400
del	LAB	L 5142	13	119,349,801	119,352,601	2,800
del	HAB	H 5709	13	119,691,401	119,701,401	10,000
del	LAB	L 5143	13	119,691,601	119,698,201	6,600
del	HAB	H 5710	13	119,777,401	119,791,201	13,800
del	LAB	L 5144	13	119,777,801	119,791,201	13,400
del	HAB	H 5711	13	119,829,001	119,841,201	12,200
del	LAB	L 5145	13	119,836,201	119,841,001	4,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5712	13	119,886,801	119,893,401	6,600
del	LAB	L 5146	13	119,887,001	119,893,401	6,400
del	HAB	H 5713	13	119,915,001	119,929,001	14,000
del	LAB	L 5147	13	119,916,801	119,928,801	12,000
del	HAB	H 5714	13	119,943,601	119,949,601	6,000
del	LAB	L 5148	13	119,943,801	119,949,401	5,600
del	HAB	H 5715	13	119,974,201	119,990,201	16,000
del	LAB	L 5149	13	119,974,601	119,991,201	16,600
del	HAB	H 5716	13	120,000,001	120,017,001	17,000
del	LAB	L 5150	13	120,000,201	120,017,201	17,000
del	HAB	H 5717	14	3,062,201	3,070,601	8,400
del	LAB	L 5151	14	3,062,601	3,070,601	8,000
del	HAB	H 5718	14	3,094,801	3,116,801	22,000
del	LAB	L 5152	14	3,095,001	3,116,601	21,600
del	HAB	H 5719	14	3,126,201	3,131,601	5,400
del	LAB	L 5153	14	3,126,401	3,131,001	4,600
del	HAB	H 5720	14	3,161,201	3,177,401	16,200
del	LAB	L 5154	14	3,163,801	3,177,201	13,400
del	HAB	H 5721	14	3,285,401	3,298,201	12,800
del	LAB	L 5155	14	3,285,401	3,297,601	12,200
del	HAB	H 5722	14	3,633,201	3,642,401	9,200
del	LAB	L 5156	14	3,633,201	3,642,201	9,000
del	HAB	H 5723	14	3,872,601	3,881,601	9,000
del	LAB	L 5157	14	3,872,601	3,881,001	8,400
del	HAB	H 5724	14	4,010,801	4,016,201	5,400
del	LAB	L 5158	14	4,011,201	4,017,001	5,800
del	HAB	H 5725	14	4,106,801	4,110,001	3,200
del	LAB	L 5159	14	4,107,201	4,109,601	2,400
del	HAB	H 5726	14	4,179,401	4,184,001	4,600
del	LAB	L 5160	14	4,179,401	4,184,001	4,600
del	HAB	H 5727	14	4,194,401	4,201,201	6,800
del	LAB	L 5161	14	4,194,801	4,201,201	6,400
del	HAB	H 5728	14	4,312,801	4,320,201	7,400
del	LAB	L 5162	14	4,313,001	4,320,001	7,000
del	HAB	H 5729	14	4,491,601	4,497,601	6,000
del	LAB	L 5163	14	4,492,201	4,497,001	4,800
del	HAB	H 5730	14	4,535,001	4,542,601	7,600
del	LAB	L 5164	14	4,535,201	4,542,401	7,200
del	LAB	L 5165	14	4,712,201	4,717,401	5,200
del	HAB	H 5731	14	4,712,401	4,717,801	5,400
del	HAB	H 5732	14	4,932,801	4,937,801	5,000
del	LAB	L 5166	14	4,933,001	4,937,601	4,600
del	LAB	L 5167	14	5,057,401	5,062,401	5,000
del	HAB	H 5733	14	5,057,601	5,062,601	5,000
del	LAB	L 5168	14	5,074,001	5,081,001	7,000
del	HAB	H 5734	14	5,074,201	5,083,401	9,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5735	14	5,159,201	5,162,201	3,000
del	LAB	L 5169	14	5,159,401	5,162,001	2,600
del	HAB	H 5736	14	5,381,201	5,391,201	10,000
del	LAB	L 5170	14	5,381,401	5,391,001	9,600
del	HAB	H 5737	14	5,770,401	5,773,401	3,000
del	HAB	H 5738	14	5,812,601	5,820,401	7,800
del	HAB	H 5739	14	6,033,401	6,039,201	5,800
del	LAB	L 5171	14	6,034,001	6,038,801	4,800
del	HAB	H 5740	14	6,566,401	6,576,401	10,000
del	LAB	L 5172	14	6,566,601	6,576,401	9,800
del	HAB	H 5741	14	7,113,001	7,119,201	6,200
del	LAB	L 5173	14	7,113,401	7,119,001	5,600
del	HAB	H 5742	14	7,154,401	7,160,601	6,200
del	LAB	L 5174	14	7,154,601	7,160,601	6,000
del	HAB	H 5743	14	7,280,201	7,285,001	4,800
del	LAB	L 5175	14	7,280,401	7,284,801	4,400
del	HAB	H 5744	14	7,382,401	7,397,401	15,000
del	LAB	L 5176	14	7,382,401	7,397,001	14,600
del	HAB	H 5745	14	7,455,601	7,463,201	7,600
del	LAB	L 5177	14	7,456,001	7,463,001	7,000
del	LAB	L 5178	14	7,478,801	7,484,801	6,000
del	HAB	H 5746	14	7,479,001	7,484,601	5,600
del	HAB	H 5747	14	7,491,601	7,505,201	13,600
del	LAB	L 5179	14	7,491,601	7,505,601	14,000
del	HAB	H 5748	14	7,725,601	7,733,601	8,000
del	LAB	L 5180	14	7,726,001	7,733,801	7,800
del	LAB	L 5181	14	7,739,601	7,749,001	9,400
del	HAB	H 5749	14	7,740,001	7,749,001	9,000
del	HAB	H 5750	14	7,949,601	7,952,201	2,600
del	LAB	L 5182	14	7,949,801	7,952,001	2,200
del	HAB	H 5751	14	8,018,601	8,021,401	2,800
del	LAB	L 5183	14	8,019,001	8,021,001	2,000
del	HAB	H 5752	14	8,180,201	8,190,401	10,200
del	LAB	L 5184	14	8,183,201	8,190,201	7,000
del	HAB	H 5753	14	8,215,201	8,221,201	6,000
del	LAB	L 5185	14	8,215,401	8,221,001	5,600
del	HAB	H 5754	14	8,420,001	8,426,601	6,600
del	LAB	L 5186	14	8,420,001	8,426,401	6,400
del	HAB	H 5755	14	8,447,601	8,451,801	4,200
del	LAB	L 5187	14	8,447,801	8,451,801	4,000
del	HAB	H 5756	14	8,504,001	8,546,601	42,600
del	LAB	L 5188	14	8,504,201	8,546,801	42,600
del	HAB	H 5757	14	9,101,401	9,112,601	11,200
del	LAB	L 5189	14	9,101,601	9,112,601	11,000
del	LAB	L 5190	14	9,484,601	9,491,201	6,600
del	LAB	L 5191	14	9,575,001	9,589,201	14,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5758	14	9,575,201	9,588,801	13,600
del	LAB	L 5192	14	9,702,401	9,724,001	21,600
del	HAB	H 5759	14	9,702,801	9,723,601	20,800
del	HAB	H 5760	14	9,877,401	9,884,801	7,400
del	HAB	H 5761	14	9,959,601	9,967,601	8,000
del	HAB	H 5762	14	9,999,601	10,009,801	10,200
del	LAB	L 5193	14	10,002,801	10,010,801	8,000
del	HAB	H 5763	14	10,204,001	10,217,001	13,000
del	HAB	H 5764	14	10,561,201	10,568,601	7,400
del	HAB	H 5765	14	10,686,201	10,694,801	8,600
del	HAB	H 5766	14	10,927,001	10,948,801	21,800
del	LAB	L 5194	14	10,927,001	10,948,801	21,800
del	HAB	H 5767	14	11,011,201	11,018,401	7,200
del	HAB	H 5768	14	11,322,401	11,331,201	8,800
del	LAB	L 5195	14	11,326,601	11,331,401	4,800
del	HAB	H 5769	14	11,878,801	11,882,401	3,600
del	LAB	L 5196	14	11,879,001	11,882,401	3,400
del	HAB	H 5770	14	12,132,601	12,137,401	4,800
del	HAB	H 5771	14	13,078,201	13,100,001	21,800
del	LAB	L 5197	14	13,078,401	13,100,001	21,600
del	LAB	L 5198	14	14,263,401	14,268,601	5,200
del	LAB	L 5199	14	14,523,601	14,538,801	15,200
del	HAB	H 5772	14	14,526,801	14,538,601	11,800
del	LAB	L 5200	14	14,970,201	14,994,601	24,400
del	HAB	H 5773	14	14,982,001	14,994,001	12,000
del	HAB	H 5774	14	15,041,201	15,045,401	4,200
del	LAB	L 5201	14	15,041,401	15,045,801	4,400
del	LAB	L 5202	14	15,138,801	15,147,401	8,600
del	HAB	H 5775	14	15,139,401	15,146,601	7,200
del	HAB	H 5776	14	15,166,201	15,172,801	6,600
del	HAB	H 5777	14	15,209,801	15,225,601	15,800
del	LAB	L 5203	14	15,213,201	15,225,601	12,400
del	HAB	H 5778	14	15,252,401	15,266,401	14,000
del	LAB	L 5204	14	15,252,401	15,265,801	13,400
del	HAB	H 5779	14	15,294,001	15,301,801	7,800
del	HAB	H 5780	14	15,371,601	15,376,601	5,000
del	LAB	L 5205	14	15,372,001	15,376,601	4,600
del	LAB	L 5206	14	15,453,801	15,460,401	6,600
del	HAB	H 5781	14	15,851,801	15,855,401	3,600
del	HAB	H 5782	14	15,920,401	15,927,001	6,600
del	LAB	L 5207	14	15,920,601	15,926,601	6,000
del	HAB	H 5783	14	15,996,601	16,012,201	15,600
del	LAB	L 5208	14	16,292,601	16,300,001	7,400
del	HAB	H 5784	14	16,293,401	16,299,801	6,400
del	HAB	H 5785	14	16,369,601	16,385,601	16,000
del	LAB	L 5209	14	16,370,001	16,384,001	14,000



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5210	14	16,680,001	16,687,001	7,000
del	HAB	H 5786	14	16,681,801	16,687,201	5,400
del	LAB	L 5211	14	16,845,001	16,855,601	10,600
del	HAB	H 5787	14	16,845,201	16,855,801	10,600
del	HAB	H 5788	14	16,887,001	16,903,201	16,200
del	LAB	L 5212	14	16,887,001	16,900,601	13,600
del	HAB	H 5789	14	16,943,001	16,951,201	8,200
del	LAB	L 5213	14	16,943,001	16,951,201	8,200
del	HAB	H 5790	14	17,485,001	17,504,601	19,600
del	LAB	L 5214	14	17,486,401	17,504,401	18,000
del	HAB	H 5791	14	17,630,201	17,636,601	6,400
del	HAB	H 5792	14	17,740,201	17,745,801	5,600
del	HAB	H 5793	14	17,770,401	17,773,801	3,400
del	HAB	H 5794	14	17,806,201	17,813,001	6,800
del	HAB	H 5795	14	17,838,601	17,844,601	6,000
del	HAB	H 5796	14	17,857,801	17,870,801	13,000
del	LAB	L 5215	14	17,862,001	17,870,201	8,200
del	HAB	H 5797	14	17,979,401	17,983,201	3,800
del	LAB	L 5216	14	17,979,801	17,983,401	3,600
del	HAB	H 5798	14	18,070,401	18,076,801	6,400
del	HAB	H 5799	14	18,109,801	18,122,001	12,200
del	LAB	L 5217	14	18,111,401	18,121,001	9,600
del	HAB	H 5800	14	18,146,401	18,158,601	12,200
del	LAB	L 5218	14	18,148,001	18,159,001	11,000
del	HAB	H 5801	14	18,210,801	18,214,601	3,800
del	HAB	H 5802	14	18,269,001	18,289,001	20,000
del	HAB	H 5803	14	18,426,801	18,431,001	4,200
del	HAB	H 5804	14	18,827,001	18,831,401	4,400
del	HAB	H 5805	14	18,902,001	18,908,201	6,200
del	HAB	H 5806	14	18,943,801	18,950,001	6,200
del	HAB	H 5807	14	18,966,201	18,988,801	22,600
del	HAB	H 5808	14	19,011,601	19,018,601	7,000
del	HAB	H 5809	14	19,085,601	19,090,601	5,000
del	HAB	H 5810	14	19,262,601	19,273,201	10,600
del	HAB	H 5811	14	19,348,201	19,358,801	10,600
del	LAB	L 5219	14	19,349,801	19,358,401	8,600
del	HAB	H 5812	14	19,377,001	19,380,801	3,800
del	LAB	L 5220	14	19,518,601	19,534,001	15,400
del	HAB	H 5813	14	19,519,201	19,534,001	14,800
del	HAB	H 5814	14	19,613,601	19,618,001	4,400
del	HAB	H 5815	14	19,692,001	19,699,401	7,400
del	HAB	H 5816	14	19,838,401	19,845,601	7,200
del	LAB	L 5221	14	19,878,801	19,891,001	12,200
del	HAB	H 5817	14	19,879,001	19,890,601	11,600
del	HAB	H 5818	14	20,083,801	20,088,401	4,600
del	HAB	H 5819	14	20,290,801	20,302,001	11,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5222	14	20,291,001	20,301,601	10,600
del	HAB	H 5820	14	20,360,001	20,367,601	7,600
del	LAB	L 5223	14	20,360,401	20,367,401	7,000
del	HAB	H 5821	14	20,449,601	20,453,001	3,400
del	LAB	L 5224	14	20,449,801	20,453,001	3,200
del	LAB	L 5225	14	20,666,201	20,670,001	3,800
del	HAB	H 5822	14	20,666,401	20,670,201	3,800
del	HAB	H 5823	14	22,413,401	22,416,201	2,800
del	HAB	H 5824	14	22,697,601	22,704,001	6,400
del	HAB	H 5825	14	24,032,801	24,039,401	6,600
del	LAB	L 5226	14	24,032,801	24,039,601	6,800
del	LAB	L 5227	14	25,130,801	25,142,601	11,800
del	HAB	H 5826	14	25,131,201	25,142,601	11,400
del	HAB	H 5827	14	25,485,801	25,533,601	47,800
del	LAB	L 5228	14	25,486,001	25,533,401	47,400
del	LAB	L 5229	14	26,547,201	26,553,601	6,400
del	HAB	H 5828	14	27,562,201	27,566,801	4,600
del	LAB	L 5230	14	27,562,401	27,569,201	6,800
del	LAB	L 5231	14	29,413,401	29,429,601	16,200
del	HAB	H 5829	14	29,413,601	29,429,801	16,200
del	LAB	L 5232	14	29,961,601	29,965,401	3,800
del	LAB	L 5233	14	30,062,001	30,068,801	6,800
del	HAB	H 5830	14	30,574,801	30,584,401	9,600
del	LAB	L 5234	14	30,575,201	30,584,401	9,200
del	LAB	L 5235	14	31,592,601	31,596,201	3,600
del	HAB	H 5831	14	31,592,801	31,596,201	3,400
del	HAB	H 5832	14	35,611,001	35,616,001	5,000
del	LAB	L 5236	14	35,611,401	35,615,601	4,200
del	HAB	H 5833	14	36,018,601	36,025,401	6,800
del	LAB	L 5237	14	36,018,801	36,025,201	6,400
del	HAB	H 5834	14	36,093,401	36,097,201	3,800
del	LAB	L 5238	14	36,093,601	36,097,601	4,000
del	LAB	L 5239	14	36,524,601	36,535,001	10,400
del	HAB	H 5835	14	36,524,801	36,534,601	9,800
del	HAB	H 5836	14	37,237,601	37,251,201	13,600
del	LAB	L 5240	14	37,237,601	37,251,201	13,600
del	HAB	H 5837	14	37,833,401	37,837,001	3,600
del	LAB	L 5241	14	37,833,801	37,836,601	2,800
del	HAB	H 5838	14	38,002,201	38,005,601	3,400
del	LAB	L 5242	14	38,002,201	38,005,601	3,400
del	HAB	H 5839	14	38,042,401	38,049,601	7,200
del	LAB	L 5243	14	38,042,401	38,049,201	6,800
del	LAB	L 5244	14	38,314,201	38,318,201	4,000
del	LAB	L 5245	14	38,434,001	38,444,001	10,000
del	HAB	H 5840	14	38,434,401	38,445,601	11,200
del	HAB	H 5841	14	38,657,201	38,662,401	5,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5246	14	38,804,401	38,808,001	3,600
del	HAB	H 5842	14	39,268,401	39,275,401	7,000
del	LAB	L 5247	14	39,268,401	39,275,201	6,800
del	HAB	H 5843	14	39,349,401	39,356,801	7,400
del	LAB	L 5248	14	39,349,601	39,356,601	7,000
del	HAB	H 5844	14	39,487,601	39,490,401	2,800
del	LAB	L 5249	14	40,305,201	40,310,201	5,000
del	HAB	H 5845	14	40,305,401	40,310,401	5,000
del	HAB	H 5846	14	40,356,601	40,361,601	5,000
del	LAB	L 5250	14	40,356,601	40,361,401	4,800
del	HAB	H 5847	14	40,397,601	40,404,801	7,200
del	LAB	L 5251	14	40,397,601	40,404,601	7,000
del	HAB	H 5848	14	40,410,401	40,420,801	10,400
del	LAB	L 5252	14	40,410,801	40,420,601	9,800
del	HAB	H 5849	14	40,544,601	40,550,601	6,000
del	LAB	L 5253	14	40,544,801	40,550,601	5,800
del	HAB	H 5850	14	40,570,401	40,578,001	7,600
del	LAB	L 5254	14	40,570,801	40,578,001	7,200
del	HAB	H 5851	14	40,615,801	40,619,801	4,000
del	LAB	L 5255	14	40,616,201	40,625,201	9,000
del	HAB	H 5852	14	40,996,001	41,005,201	9,200
del	LAB	L 5256	14	40,996,001	41,004,201	8,200
del	HAB	H 5853	14	41,151,801	41,158,201	6,400
del	LAB	L 5257	14	41,152,001	41,158,601	6,600
del	LAB	L 5258	14	41,560,001	41,565,601	5,600
del	HAB	H 5854	14	41,560,201	41,565,201	5,000
del	HAB	H 5855	14	41,594,601	41,601,401	6,800
del	LAB	L 5259	14	41,595,001	41,601,001	6,000
del	HAB	H 5856	14	41,657,601	41,669,601	12,000
del	LAB	L 5260	14	41,657,801	41,669,601	11,800
del	HAB	H 5857	14	41,866,801	41,874,801	8,000
del	HAB	H 5858	14	42,050,201	42,072,601	22,400
del	LAB	L 5261	14	42,050,201	42,084,601	34,400
del	HAB	H 5859	14	42,076,801	42,085,401	8,600
del	LAB	L 5262	14	42,097,801	42,112,401	14,600
del	HAB	H 5860	14	42,104,801	42,112,601	7,800
del	HAB	H 5861	14	42,144,601	42,150,401	5,800
del	LAB	L 5263	14	42,144,601	42,150,001	5,400
del	HAB	H 5862	14	42,164,401	42,169,201	4,800
del	LAB	L 5264	14	42,164,801	42,169,201	4,400
del	HAB	H 5863	14	42,271,201	42,278,601	7,400
del	LAB	L 5265	14	42,271,201	42,278,201	7,000
del	HAB	H 5864	14	42,319,401	42,323,601	4,200
del	HAB	H 5865	14	42,531,801	42,539,201	7,400
del	LAB	L 5266	14	42,532,001	42,538,801	6,800
del	HAB	H 5866	14	42,666,401	42,670,801	4,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5267	14	42,666,801	42,670,601	3,800
del	HAB	H 5867	14	42,679,201	42,688,601	9,400
del	LAB	L 5268	14	42,679,201	42,687,201	8,000
del	HAB	H 5868	14	42,703,801	42,710,201	6,400
del	LAB	L 5269	14	42,706,601	42,710,601	4,000
del	HAB	H 5869	14	42,744,001	42,750,801	6,800
del	LAB	L 5270	14	42,744,201	42,750,401	6,200
del	HAB	H 5870	14	42,852,201	42,865,401	13,200
del	LAB	L 5271	14	42,853,001	42,865,201	12,200
del	LAB	L 5272	14	42,887,201	42,900,201	13,000
del	HAB	H 5871	14	42,887,801	42,900,401	12,600
del	LAB	L 5273	14	42,912,201	42,933,601	21,400
del	HAB	H 5872	14	42,914,401	42,933,401	19,000
del	HAB	H 5873	14	42,955,601	42,963,601	8,000
del	LAB	L 5274	14	42,956,001	42,963,801	7,800
del	HAB	H 5874	14	42,980,201	42,986,601	6,400
del	LAB	L 5275	14	42,980,401	42,986,401	6,000
del	HAB	H 5875	14	43,011,001	43,015,001	4,000
del	HAB	H 5876	14	43,023,401	43,031,001	7,600
del	LAB	L 5276	14	43,023,601	43,030,201	6,600
del	HAB	H 5877	14	43,045,601	43,049,801	4,200
del	LAB	L 5277	14	43,045,801	43,049,801	4,000
del	HAB	H 5878	14	43,120,201	43,128,001	7,800
del	HAB	H 5879	14	43,185,001	43,210,201	25,200
del	LAB	L 5278	14	43,191,601	43,210,201	18,600
del	HAB	H 5880	14	43,316,001	43,326,401	10,400
del	LAB	L 5279	14	43,316,401	43,326,401	10,000
del	HAB	H 5881	14	43,354,201	43,361,801	7,600
del	LAB	L 5280	14	43,354,401	43,361,601	7,200
del	HAB	H 5882	14	43,424,801	43,428,601	3,800
del	LAB	L 5281	14	43,425,001	43,428,401	3,400
del	HAB	H 5883	14	43,437,401	43,443,201	5,800
del	LAB	L 5282	14	43,437,601	43,442,801	5,200
del	HAB	H 5884	14	43,508,201	43,518,201	10,000
del	LAB	L 5283	14	43,508,201	43,518,801	10,600
del	HAB	H 5885	14	43,628,401	43,635,401	7,000
del	LAB	L 5284	14	43,628,601	43,635,601	7,000
del	LAB	L 5285	14	43,642,201	43,653,001	10,800
del	HAB	H 5886	14	43,643,201	43,653,201	10,000
del	HAB	H 5887	14	43,780,601	43,787,401	6,800
del	LAB	L 5286	14	43,780,801	43,787,401	6,600
del	HAB	H 5888	14	43,897,001	43,908,601	11,600
del	LAB	L 5287	14	43,897,001	43,906,601	9,600
del	HAB	H 5889	14	44,113,401	44,116,401	3,000
del	LAB	L 5288	14	44,113,801	44,116,201	2,400
del	HAB	H 5890	14	44,163,201	44,174,001	10,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5289	14	44,163,601	44,174,001	10,400
del	HAB	H 5891	14	44,237,801	44,247,001	9,200
del	LAB	L 5290	14	44,238,201	44,247,001	8,800
del	HAB	H 5892	14	44,307,001	44,354,001	47,000
del	LAB	L 5291	14	44,307,601	44,353,401	45,800
del	HAB	H 5893	14	44,405,601	44,422,201	16,600
del	LAB	L 5292	14	44,413,001	44,421,601	8,600
del	HAB	H 5894	14	44,465,601	44,494,601	29,000
del	HAB	H 5895	14	44,570,401	44,574,201	3,800
del	HAB	H 5896	14	44,601,601	44,673,001	71,400
del	LAB	L 5293	14	44,602,001	44,672,601	70,600
del	HAB	H 5897	14	44,721,801	44,731,401	9,600
del	LAB	L 5294	14	44,723,001	44,731,401	8,400
del	HAB	H 5898	14	44,797,001	44,801,401	4,400
del	LAB	L 5295	14	44,797,001	44,801,201	4,200
del	LAB	L 5296	14	44,809,401	44,859,201	49,800
del	HAB	H 5899	14	44,809,601	44,859,601	50,000
del	HAB	H 5900	14	44,876,601	44,884,001	7,400
del	LAB	L 5297	14	44,876,601	44,883,801	7,200
del	LAB	L 5298	14	44,923,601	44,932,801	9,200
del	HAB	H 5901	14	44,923,801	44,932,801	9,000
del	HAB	H 5902	14	45,038,801	45,047,601	8,800
del	LAB	L 5299	14	45,038,801	45,047,201	8,400
del	HAB	H 5903	14	45,077,801	45,082,601	4,800
del	LAB	L 5300	14	45,077,801	45,082,401	4,600
del	LAB	L 5301	14	45,215,601	45,228,201	12,600
del	HAB	H 5904	14	45,215,801	45,228,601	12,800
del	LAB	L 5302	14	45,421,001	45,428,001	7,000
del	HAB	H 5905	14	45,633,401	45,653,201	19,800
del	LAB	L 5303	14	45,633,601	45,652,601	19,000
del	HAB	H 5906	14	46,367,601	46,374,401	6,800
del	LAB	L 5304	14	46,367,601	46,374,201	6,600
del	HAB	H 5907	14	46,482,001	46,485,001	3,000
del	HAB	H 5908	14	46,500,601	46,515,801	15,200
del	LAB	L 5305	14	46,501,401	46,515,001	13,600
del	HAB	H 5909	14	46,831,001	46,838,201	7,200
del	LAB	L 5306	14	46,831,001	46,837,801	6,800
del	HAB	H 5910	14	47,365,001	47,372,001	7,000
del	LAB	L 5307	14	47,365,401	47,371,601	6,200
del	HAB	H 5911	14	48,226,801	48,229,801	3,000
del	LAB	L 5308	14	48,227,201	48,230,401	3,200
del	HAB	H 5912	14	48,569,801	48,574,201	4,400
del	LAB	L 5309	14	48,571,601	48,574,201	2,600
del	HAB	H 5913	14	50,221,801	50,229,001	7,200
del	LAB	L 5310	14	50,221,801	50,229,201	7,400
del	HAB	H 5914	14	50,248,001	50,255,001	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5311	14	50,248,401	50,254,801	6,400
del	HAB	H 5915	14	50,464,001	50,469,201	5,200
del	LAB	L 5312	14	50,464,201	50,469,001	4,800
del	LAB	L 5313	14	50,494,401	50,506,601	12,200
del	HAB	H 5916	14	50,495,401	50,505,401	10,000
del	HAB	H 5917	14	50,536,601	50,543,201	6,600
del	LAB	L 5314	14	50,536,801	50,543,201	6,400
del	LAB	L 5315	14	50,617,801	50,632,601	14,800
del	HAB	H 5918	14	50,618,001	50,632,801	14,800
del	HAB	H 5919	14	50,667,201	50,673,801	6,600
del	LAB	L 5316	14	50,667,401	50,674,001	6,600
del	HAB	H 5920	14	50,868,801	50,879,001	10,200
del	LAB	L 5317	14	50,869,201	50,878,801	9,600
del	HAB	H 5921	14	51,108,801	51,120,401	11,600
del	LAB	L 5318	14	51,109,201	51,120,801	11,600
del	HAB	H 5922	14	51,155,601	51,192,401	36,800
del	LAB	L 5319	14	51,155,801	51,192,001	36,200
del	LAB	L 5320	14	51,199,401	51,228,401	29,000
del	HAB	H 5923	14	51,200,201	51,228,801	28,600
del	HAB	H 5924	14	51,248,401	51,258,201	9,800
del	LAB	L 5321	14	51,248,601	51,258,601	10,000
del	HAB	H 5925	14	51,271,401	51,291,601	20,200
del	LAB	L 5322	14	51,271,401	51,302,801	31,400
del	HAB	H 5926	14	51,500,001	51,504,801	4,800
del	LAB	L 5323	14	51,500,001	51,504,801	4,800
del	HAB	H 5927	14	51,594,001	51,597,401	3,400
del	LAB	L 5324	14	51,594,401	51,597,601	3,200
del	HAB	H 5928	14	51,876,401	51,879,601	3,200
del	LAB	L 5325	14	51,876,801	51,879,201	2,400
del	HAB	H 5929	14	51,917,801	51,924,001	6,200
del	LAB	L 5326	14	51,917,801	51,923,601	5,800
del	HAB	H 5930	14	51,939,801	51,951,401	11,600
del	LAB	L 5327	14	51,940,001	51,951,401	11,400
del	HAB	H 5931	14	52,005,401	52,012,601	7,200
del	HAB	H 5932	14	52,107,601	52,136,601	29,000
del	LAB	L 5328	14	52,107,601	52,136,801	29,200
del	LAB	L 5329	14	52,319,601	52,329,201	9,600
del	HAB	H 5933	14	52,320,201	52,329,001	8,800
del	LAB	L 5330	14	52,368,401	52,388,001	19,600
del	HAB	H 5934	14	52,370,401	52,388,201	17,800
del	LAB	L 5331	14	52,450,201	52,468,201	18,000
del	HAB	H 5935	14	52,450,401	52,469,001	18,600
del	HAB	H 5936	14	52,999,401	53,004,401	5,000
del	LAB	L 5332	14	52,999,601	53,004,001	4,400
del	HAB	H 5937	14	53,095,601	53,106,401	10,800
del	LAB	L 5333	14	53,095,801	53,106,601	10,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5938	14	53,117,801	53,150,801	33,000
del	LAB	L 5334	14	53,118,601	53,129,601	11,000
del	HAB	H 5939	14	53,206,201	53,214,201	8,000
del	LAB	L 5335	14	53,206,201	53,214,201	8,000
del	HAB	H 5940	14	53,311,801	53,328,601	16,800
del	LAB	L 5336	14	53,311,801	53,328,001	16,200
del	HAB	H 5941	14	53,355,801	53,364,801	9,000
del	HAB	H 5942	14	53,377,601	53,384,601	7,000
del	LAB	L 5337	14	53,377,601	53,384,601	7,000
del	HAB	H 5943	14	53,486,201	53,491,401	5,200
del	HAB	H 5944	14	53,616,401	53,621,001	4,600
del	LAB	L 5338	14	53,617,201	53,620,601	3,400
del	LAB	L 5339	14	53,631,001	53,642,001	11,000
del	HAB	H 5945	14	53,631,401	53,641,801	10,400
del	LAB	L 5340	14	53,678,601	53,685,801	7,200
del	HAB	H 5946	14	53,678,801	53,686,201	7,400
del	HAB	H 5947	14	53,730,601	53,733,601	3,000
del	HAB	H 5948	14	53,798,601	53,802,401	3,800
del	HAB	H 5949	14	53,927,601	53,932,201	4,600
del	LAB	L 5341	14	53,928,401	53,931,801	3,400
del	HAB	H 5950	14	54,018,401	54,036,001	17,600
del	LAB	L 5342	14	54,018,601	54,035,401	16,800
del	HAB	H 5951	14	54,094,801	54,099,001	4,200
del	LAB	L 5343	14	54,094,801	54,099,001	4,200
del	LAB	L 5344	14	54,236,001	54,242,401	6,400
del	HAB	H 5952	14	54,291,401	54,295,601	4,200
del	HAB	H 5953	14	54,548,801	54,567,601	18,800
del	LAB	L 5345	14	54,549,201	54,567,601	18,400
del	HAB	H 5954	14	54,749,201	54,758,801	9,600
del	LAB	L 5346	14	54,749,601	54,758,801	9,200
del	HAB	H 5955	14	54,911,801	54,917,801	6,000
del	LAB	L 5347	14	54,911,801	54,917,401	5,600
del	HAB	H 5956	14	54,934,401	54,938,601	4,200
del	LAB	L 5348	14	54,934,401	54,938,601	4,200
del	HAB	H 5957	14	55,149,401	55,157,001	7,600
del	LAB	L 5349	14	55,149,401	55,156,601	7,200
del	HAB	H 5958	14	56,064,601	56,067,601	3,000
del	LAB	L 5350	14	56,064,601	56,067,601	3,000
del	HAB	H 5959	14	56,415,601	56,425,801	10,200
del	HAB	H 5960	14	56,685,201	56,690,201	5,000
del	LAB	L 5351	14	56,685,601	56,690,201	4,600
del	HAB	H 5961	14	56,809,001	56,819,001	10,000
del	LAB	L 5352	14	56,809,401	56,819,001	9,600
del	HAB	H 5962	14	56,865,201	56,871,801	6,600
del	LAB	L 5353	14	56,865,801	56,872,001	6,200
del	HAB	H 5963	14	57,611,801	57,618,601	6,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 5354	14	57,611,801	57,618,401	6,600
del	HAB	H 5964	14	59,788,001	59,793,401	5,400
del	LAB	L 5355	14	59,788,401	59,793,601	5,200
del	HAB	H 5965	14	59,921,201	59,927,601	6,400
del	LAB	L 5356	14	59,921,401	59,928,001	6,600
del	HAB	H 5966	14	60,610,601	60,614,001	3,400
del	LAB	L 5357	14	60,610,801	60,614,201	3,400
del	HAB	H 5967	14	60,948,001	60,956,601	8,600
del	LAB	L 5358	14	60,948,001	60,956,201	8,200
del	HAB	H 5968	14	61,183,001	61,188,801	5,800
del	HAB	H 5969	14	61,439,001	61,445,801	6,800
del	HAB	H 5970	14	61,494,201	61,500,601	6,400
del	LAB	L 5359	14	62,880,401	62,886,801	6,400
del	HAB	H 5971	14	63,261,401	63,266,201	4,800
del	LAB	L 5360	14	63,261,601	63,265,801	4,200
del	HAB	H 5972	14	65,082,201	65,093,001	10,800
del	LAB	L 5361	14	65,082,401	65,087,801	5,400
del	HAB	H 5973	14	65,123,601	65,133,401	9,800
del	LAB	L 5362	14	65,124,001	65,133,201	9,200
del	HAB	H 5974	14	65,747,401	65,754,201	6,800
del	LAB	L 5363	14	65,748,001	65,754,001	6,000
del	HAB	H 5975	14	65,897,401	65,904,001	6,600
del	LAB	L 5364	14	65,897,601	65,903,601	6,000
del	LAB	L 5365	14	66,244,601	66,249,001	4,400
del	HAB	H 5976	14	66,244,801	66,249,001	4,200
del	HAB	H 5977	14	67,081,401	67,089,201	7,800
del	LAB	L 5366	14	67,081,601	67,091,601	10,000
del	HAB	H 5978	14	68,872,401	68,879,001	6,600
del	LAB	L 5367	14	68,872,601	68,878,801	6,200
del	HAB	H 5979	14	68,889,201	68,896,401	7,200
del	LAB	L 5368	14	68,889,201	68,896,201	7,000
del	HAB	H 5980	14	69,091,401	69,098,001	6,600
del	LAB	L 5369	14	70,698,801	70,702,401	3,600
del	HAB	H 5981	14	71,127,601	71,134,601	7,000
del	HAB	H 5982	14	71,521,001	71,526,801	5,800
del	LAB	L 5370	14	71,779,201	71,802,401	23,200
del	HAB	H 5983	14	71,785,401	71,802,401	17,000
del	LAB	L 5371	14	71,843,201	71,850,201	7,000
del	HAB	H 5984	14	71,844,201	71,850,601	6,400
del	LAB	L 5372	14	72,019,001	72,027,201	8,200
del	HAB	H 5985	14	72,183,601	72,192,001	8,400
del	LAB	L 5373	14	72,200,801	72,203,801	3,000
del	HAB	H 5986	14	72,709,001	72,718,001	9,000
del	HAB	H 5987	14	73,013,201	73,018,201	5,000
del	HAB	H 5988	14	73,192,601	73,199,201	6,600
del	LAB	L 5374	14	73,308,001	73,319,201	11,200



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 5989	14	73,308,801	73,319,201	10,400
del	LAB	L 5375	14	73,346,801	73,373,801	27,000
del	HAB	H 5990	14	73,347,401	73,366,401	19,000
del	HAB	H 5991	14	73,587,201	73,594,401	7,200
del	LAB	L 5376	14	73,587,401	73,594,401	7,000
del	HAB	H 5992	14	74,251,001	74,264,401	13,400
del	HAB	H 5993	14	74,524,401	74,534,001	9,600
del	LAB	L 5377	14	74,836,801	74,845,601	8,800
del	HAB	H 5994	14	74,837,001	74,845,601	8,600
del	HAB	H 5995	14	75,754,201	75,758,601	4,400
del	LAB	L 5378	14	75,754,401	75,758,401	4,000
del	HAB	H 5996	14	75,825,001	75,835,801	10,800
del	LAB	L 5379	14	75,825,201	75,835,601	10,400
del	LAB	L 5380	14	76,191,801	76,220,401	28,600
del	HAB	H 5997	14	77,448,201	77,452,201	4,000
del	LAB	L 5381	14	77,448,401	77,451,801	3,400
del	HAB	H 5998	14	77,463,601	77,477,601	14,000
del	LAB	L 5382	14	77,463,801	77,477,801	14,000
del	HAB	H 5999	14	77,516,201	77,522,401	6,200
del	LAB	L 5383	14	77,516,401	77,522,401	6,000
del	HAB	H 6000	14	77,952,601	77,956,601	4,000
del	LAB	L 5384	14	77,952,801	77,956,401	3,600
del	LAB	L 5385	14	78,734,601	78,739,601	5,000
del	LAB	L 5386	14	79,063,801	79,066,401	2,600
del	LAB	L 5387	14	79,184,401	79,189,401	5,000
del	LAB	L 5388	14	79,287,601	79,293,401	5,800
del	LAB	L 5389	14	79,397,401	79,403,201	5,800
del	HAB	H 6001	14	80,319,201	80,325,801	6,600
del	LAB	L 5390	14	80,319,201	80,325,401	6,200
del	LAB	L 5391	14	80,580,401	80,586,001	5,600
del	HAB	H 6002	14	80,580,601	80,585,801	5,200
del	HAB	H 6003	14	80,748,801	80,757,801	9,000
del	LAB	L 5392	14	80,748,801	80,757,801	9,000
del	HAB	H 6004	14	81,010,201	81,012,801	2,600
del	LAB	L 5393	14	81,010,401	81,012,601	2,200
del	HAB	H 6005	14	81,022,401	81,027,801	5,400
del	LAB	L 5394	14	81,022,601	81,027,401	4,800
del	LAB	L 5395	14	81,136,001	81,141,201	5,200
del	HAB	H 6006	14	81,136,201	81,141,601	5,400
del	HAB	H 6007	14	81,355,001	81,361,201	6,200
del	LAB	L 5396	14	81,355,401	81,361,401	6,000
del	HAB	H 6008	14	81,487,001	81,494,801	7,800
del	LAB	L 5397	14	81,487,401	81,494,601	7,200
del	LAB	L 5398	14	81,573,201	81,580,001	6,800
del	HAB	H 6009	14	81,573,401	81,578,401	5,000
del	HAB	H 6010	14	81,895,001	81,901,601	6,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5399	14	81,895,001	81,901,601	6,600
del	HAB	H 6011	14	81,954,401	81,966,601	12,200
del	LAB	L 5400	14	81,954,601	81,966,601	12,000
del	HAB	H 6012	14	82,092,201	82,100,001	7,800
del	LAB	L 5401	14	82,092,201	82,099,801	7,600
del	HAB	H 6013	14	82,190,401	82,197,601	7,200
del	LAB	L 5402	14	82,190,401	82,197,601	7,200
del	HAB	H 6014	14	82,300,801	82,310,201	9,400
del	HAB	H 6015	14	82,437,001	82,443,601	6,600
del	LAB	L 5403	14	82,437,401	82,443,201	5,800
del	HAB	H 6016	14	82,477,201	82,486,601	9,400
del	LAB	L 5404	14	82,477,601	82,486,801	9,200
del	HAB	H 6017	14	82,499,201	82,504,601	5,400
del	LAB	L 5405	14	82,499,401	82,504,401	5,000
del	LAB	L 5406	14	82,577,801	82,581,801	4,000
del	HAB	H 6018	14	82,578,001	82,582,001	4,000
del	HAB	H 6019	14	82,662,401	82,669,201	6,800
del	LAB	L 5407	14	82,662,601	82,669,001	6,400
del	HAB	H 6020	14	82,758,201	82,765,401	7,200
del	LAB	L 5408	14	82,758,401	82,765,201	6,800
del	HAB	H 6021	14	82,808,801	82,815,401	6,600
del	LAB	L 5409	14	82,808,801	82,815,201	6,400
del	HAB	H 6022	14	82,942,001	82,949,001	7,000
del	LAB	L 5410	14	82,942,401	82,948,601	6,200
del	HAB	H 6023	14	83,246,601	83,253,601	7,000
del	LAB	L 5411	14	83,246,801	83,255,001	8,200
del	HAB	H 6024	14	83,261,201	83,267,001	5,800
del	LAB	L 5412	14	83,287,401	83,315,201	27,800
del	HAB	H 6025	14	83,287,601	83,315,401	27,800
del	HAB	H 6026	14	83,357,201	83,364,001	6,800
del	HAB	H 6027	14	83,597,201	83,603,601	6,400
del	LAB	L 5413	14	83,597,601	83,603,801	6,200
del	HAB	H 6028	14	83,688,001	83,703,801	15,800
del	LAB	L 5414	14	83,688,401	83,703,801	15,400
del	HAB	H 6029	14	83,822,201	83,824,601	2,400
del	LAB	L 5415	14	83,907,401	83,914,801	7,400
del	HAB	H 6030	14	83,907,801	83,914,601	6,800
del	HAB	H 6031	14	83,946,601	83,956,801	10,200
del	LAB	L 5416	14	83,946,801	83,956,401	9,600
del	LAB	L 5417	14	84,078,801	84,110,801	32,000
del	HAB	H 6032	14	84,094,201	84,115,201	21,000
del	HAB	H 6033	14	84,123,201	84,134,601	11,400
del	LAB	L 5418	14	84,174,601	84,186,601	12,000
del	HAB	H 6034	14	84,175,601	84,186,801	11,200
del	HAB	H 6035	14	84,240,001	84,245,601	5,600
del	LAB	L 5419	14	84,240,401	84,246,201	5,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6036	14	84,266,001	84,273,801	7,800
del	LAB	L 5420	14	84,266,801	84,273,401	6,600
del	HAB	H 6037	14	84,557,801	84,565,801	8,000
del	LAB	L 5421	14	84,558,201	84,565,601	7,400
del	HAB	H 6038	14	84,586,201	84,593,001	6,800
del	LAB	L 5422	14	84,586,601	84,592,801	6,200
del	HAB	H 6039	14	84,630,601	84,634,801	4,200
del	LAB	L 5423	14	84,630,801	84,634,001	3,200
del	HAB	H 6040	14	84,752,801	84,780,201	27,400
del	LAB	L 5424	14	84,753,001	84,777,401	24,400
del	HAB	H 6041	14	84,785,601	84,792,401	6,800
del	LAB	L 5425	14	84,785,801	84,791,801	6,000
del	HAB	H 6042	14	84,800,201	84,810,201	10,000
del	HAB	H 6043	14	85,001,001	85,008,001	7,000
del	LAB	L 5426	14	85,001,401	85,007,801	6,400
del	HAB	H 6044	14	85,129,201	85,135,001	5,800
del	HAB	H 6045	14	85,235,401	85,239,601	4,200
del	LAB	L 5427	14	85,235,601	85,239,201	3,600
del	LAB	L 5428	14	85,269,601	85,285,001	15,400
del	HAB	H 6046	14	85,273,401	85,285,601	12,200
del	HAB	H 6047	14	85,337,401	85,344,201	6,800
del	LAB	L 5429	14	85,337,601	85,343,201	5,600
del	HAB	H 6048	14	85,402,601	85,405,201	2,600
del	HAB	H 6049	14	85,577,601	85,582,401	4,800
del	LAB	L 5430	14	85,577,601	85,582,401	4,800
del	LAB	L 5431	14	85,592,801	85,602,801	10,000
del	HAB	H 6050	14	85,595,001	85,603,201	8,200
del	HAB	H 6051	14	85,661,601	85,668,201	6,600
del	LAB	L 5432	14	85,661,801	85,668,201	6,400
del	HAB	H 6052	14	85,812,201	85,819,401	7,200
del	LAB	L 5433	14	85,814,401	85,819,401	5,000
del	HAB	H 6053	14	85,920,401	85,926,401	6,000
del	LAB	L 5434	14	85,920,801	85,925,401	4,600
del	HAB	H 6054	14	86,059,201	86,062,001	2,800
del	HAB	H 6055	14	86,270,201	86,302,601	32,400
del	LAB	L 5435	14	86,270,801	86,302,601	31,800
del	HAB	H 6056	14	86,352,801	86,359,401	6,600
del	LAB	L 5436	14	86,353,001	86,359,201	6,200
del	HAB	H 6057	14	86,474,401	86,481,001	6,600
del	LAB	L 5437	14	86,475,601	86,484,201	8,600
del	HAB	H 6058	14	86,531,401	86,535,801	4,400
del	LAB	L 5438	14	86,531,601	86,535,401	3,800
del	HAB	H 6059	14	86,858,601	86,861,401	2,800
del	LAB	L 5439	14	86,858,601	86,861,401	2,800
del	HAB	H 6060	14	86,990,201	86,997,401	7,200
del	LAB	L 5440	14	86,990,401	86,997,201	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6061	14	87,008,001	87,014,201	6,200
del	LAB	L 5441	14	87,008,201	87,014,401	6,200
del	HAB	H 6062	14	87,272,201	87,278,001	5,800
del	LAB	L 5442	14	87,272,201	87,278,601	6,400
del	HAB	H 6063	14	87,313,801	87,317,201	3,400
del	LAB	L 5443	14	87,313,801	87,317,001	3,200
del	LAB	L 5444	14	87,339,401	87,349,801	10,400
del	HAB	H 6064	14	87,339,801	87,349,801	10,000
del	HAB	H 6065	14	87,410,001	87,414,801	4,800
del	LAB	L 5445	14	87,410,001	87,414,801	4,800
del	HAB	H 6066	14	87,753,201	87,760,801	7,600
del	LAB	L 5446	14	87,753,201	87,761,201	8,000
del	HAB	H 6067	14	88,004,401	88,008,401	4,000
del	HAB	H 6068	14	88,065,801	88,080,601	14,800
del	LAB	L 5447	14	88,070,601	88,081,001	10,400
del	HAB	H 6069	14	88,127,401	88,133,001	5,600
del	LAB	L 5448	14	88,127,601	88,133,201	5,600
del	HAB	H 6070	14	88,187,601	88,191,201	3,600
del	LAB	L 5449	14	88,187,601	88,191,201	3,600
del	HAB	H 6071	14	88,197,001	88,203,001	6,000
del	LAB	L 5450	14	88,207,601	88,225,401	17,800
del	HAB	H 6072	14	88,208,401	88,225,601	17,200
del	HAB	H 6073	14	88,249,801	88,257,201	7,400
del	LAB	L 5451	14	88,250,201	88,257,201	7,000
del	HAB	H 6074	14	88,311,601	88,334,001	22,400
del	LAB	L 5452	14	88,311,601	88,334,201	22,600
del	HAB	H 6075	14	88,433,601	88,440,601	7,000
del	HAB	H 6076	14	88,563,601	88,581,001	17,400
del	HAB	H 6077	14	88,613,601	88,617,001	3,400
del	LAB	L 5453	14	88,613,801	88,616,401	2,600
del	HAB	H 6078	14	88,768,001	88,774,201	6,200
del	LAB	L 5454	14	88,768,001	88,774,201	6,200
del	HAB	H 6079	14	88,973,401	88,984,401	11,000
del	LAB	L 5455	14	88,973,601	88,985,401	11,800
del	HAB	H 6080	14	89,013,001	89,019,801	6,800
del	LAB	L 5456	14	89,013,001	89,019,601	6,600
del	HAB	H 6081	14	89,046,401	89,054,801	8,400
del	HAB	H 6082	14	89,082,201	89,097,001	14,800
del	LAB	L 5457	14	89,082,201	89,100,801	18,600
del	HAB	H 6083	14	89,189,001	89,192,201	3,200
del	LAB	L 5458	14	89,189,601	89,192,001	2,400
del	HAB	H 6084	14	89,254,201	89,257,401	3,200
del	LAB	L 5459	14	89,254,401	89,257,001	2,600
del	HAB	H 6085	14	89,265,401	89,268,801	3,400
del	LAB	L 5460	14	89,265,801	89,268,001	2,200
del	HAB	H 6086	14	89,336,201	89,341,001	4,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5461	14	89,336,601	89,340,601	4,000
del	HAB	H 6087	14	89,363,601	89,370,601	7,000
del	LAB	L 5462	14	89,363,601	89,370,201	6,600
del	HAB	H 6088	14	89,437,401	89,457,601	20,200
del	HAB	H 6089	14	89,850,801	89,857,001	6,200
del	LAB	L 5463	14	89,851,001	89,854,601	3,600
del	LAB	L 5464	14	89,880,401	89,893,001	12,600
del	HAB	H 6090	14	89,885,201	89,893,001	7,800
del	HAB	H 6091	14	90,010,601	90,021,401	10,800
del	LAB	L 5465	14	90,011,401	90,021,201	9,800
del	HAB	H 6092	14	90,296,001	90,299,201	3,200
del	LAB	L 5466	14	90,296,201	90,299,001	2,800
del	HAB	H 6093	14	90,478,001	90,485,401	7,400
del	LAB	L 5467	14	90,478,401	90,485,201	6,800
del	HAB	H 6094	14	90,613,801	90,616,201	2,400
del	LAB	L 5468	14	90,613,801	90,616,001	2,200
del	HAB	H 6095	14	90,694,601	90,701,601	7,000
del	HAB	H 6096	14	91,082,801	91,094,001	11,200
del	LAB	L 5469	14	91,082,801	91,093,601	10,800
del	HAB	H 6097	14	91,333,401	91,343,601	10,200
del	LAB	L 5470	14	91,333,401	91,342,201	8,800
del	LAB	L 5471	14	91,373,001	91,384,201	11,200
del	HAB	H 6098	14	91,373,201	91,384,201	11,000
del	HAB	H 6099	14	91,525,201	91,536,201	11,000
del	LAB	L 5472	14	91,562,201	91,583,001	20,800
del	HAB	H 6100	14	91,563,601	91,579,001	15,400
del	HAB	H 6101	14	91,678,201	91,686,601	8,400
del	LAB	L 5473	14	91,678,201	91,686,801	8,600
del	HAB	H 6102	14	91,835,801	91,851,201	15,400
del	LAB	L 5474	14	91,836,001	91,851,201	15,200
del	HAB	H 6103	14	91,906,401	91,914,601	8,200
del	LAB	L 5475	14	91,910,201	91,914,001	3,800
del	HAB	H 6104	14	92,070,001	92,077,201	7,200
del	LAB	L 5476	14	92,070,201	92,076,801	6,600
del	HAB	H 6105	14	92,148,801	92,164,601	15,800
del	LAB	L 5477	14	92,148,801	92,163,601	14,800
del	HAB	H 6106	14	92,354,001	92,377,201	23,200
del	LAB	L 5478	14	92,354,001	92,378,001	24,000
del	HAB	H 6107	14	92,391,601	92,394,801	3,200
del	LAB	L 5479	14	92,391,601	92,394,601	3,000
del	HAB	H 6108	14	92,431,601	92,440,001	8,400
del	HAB	H 6109	14	92,448,201	92,451,401	3,200
del	LAB	L 5480	14	92,448,601	92,451,201	2,600
del	HAB	H 6110	14	92,487,401	92,501,201	13,800
del	LAB	L 5481	14	92,489,601	92,501,201	11,600
del	HAB	H 6111	14	92,627,401	92,634,001	6,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5482	14	92,627,801	92,633,801	6,000
del	HAB	H 6112	14	92,685,601	92,694,801	9,200
del	LAB	L 5483	14	92,731,001	92,734,401	3,400
del	HAB	H 6113	14	92,782,601	92,789,201	6,600
del	LAB	L 5484	14	92,782,801	92,789,201	6,400
del	HAB	H 6114	14	92,808,001	92,820,601	12,600
del	LAB	L 5485	14	92,808,801	92,820,801	12,000
del	LAB	L 5486	14	92,826,001	92,837,001	11,000
del	HAB	H 6115	14	92,826,801	92,836,601	9,800
del	HAB	H 6116	14	92,995,201	93,002,401	7,200
del	HAB	H 6117	14	93,190,201	93,204,401	14,200
del	LAB	L 5487	14	93,190,401	93,199,601	9,200
del	HAB	H 6118	14	93,243,401	93,250,201	6,800
del	LAB	L 5488	14	93,243,401	93,249,801	6,400
del	LAB	L 5489	14	93,295,601	93,303,201	7,600
del	HAB	H 6119	14	93,324,201	93,352,801	28,600
del	LAB	L 5490	14	93,324,401	93,353,201	28,800
del	LAB	L 5491	14	93,416,801	93,422,001	5,200
del	HAB	H 6120	14	93,417,201	93,422,001	4,800
del	HAB	H 6121	14	93,445,001	93,450,001	5,000
del	LAB	L 5492	14	93,445,401	93,449,801	4,400
del	LAB	L 5493	14	93,607,801	93,615,201	7,400
del	HAB	H 6122	14	93,608,001	93,615,801	7,800
del	HAB	H 6123	14	93,754,401	93,764,601	10,200
del	LAB	L 5494	14	93,754,401	93,764,601	10,200
del	LAB	L 5495	14	94,178,601	94,181,601	3,000
del	HAB	H 6124	14	94,325,201	94,336,601	11,400
del	LAB	L 5496	14	94,325,401	94,336,601	11,200
del	HAB	H 6125	14	94,450,001	94,458,801	8,800
del	LAB	L 5497	14	94,450,201	94,458,401	8,200
del	HAB	H 6126	14	94,569,601	94,592,401	22,800
del	LAB	L 5498	14	94,569,601	94,592,601	23,000
del	HAB	H 6127	14	94,733,401	94,737,401	4,000
del	LAB	L 5499	14	94,733,801	94,737,001	3,200
del	HAB	H 6128	14	94,847,401	94,857,001	9,600
del	LAB	L 5500	14	94,853,801	94,862,401	8,600
del	HAB	H 6129	14	95,034,401	95,037,801	3,400
del	LAB	L 5501	14	95,042,001	95,045,801	3,800
del	HAB	H 6130	14	95,209,201	95,216,001	6,800
del	HAB	H 6131	14	95,241,201	95,247,601	6,400
del	LAB	L 5502	14	95,241,401	95,247,401	6,000
del	HAB	H 6132	14	95,303,401	95,309,001	5,600
del	LAB	L 5503	14	95,303,401	95,309,201	5,800
del	HAB	H 6133	14	95,380,601	95,387,201	6,600
del	LAB	L 5504	14	95,381,001	95,387,001	6,000
del	HAB	H 6134	14	95,452,401	95,471,201	18,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5505	14	95,452,401	95,471,401	19,000
del	HAB	H 6135	14	95,613,801	95,621,601	7,800
del	LAB	L 5506	14	95,614,201	95,621,401	7,200
del	HAB	H 6136	14	95,960,201	95,967,801	7,600
del	LAB	L 5507	14	95,960,401	95,968,001	7,600
del	HAB	H 6137	14	96,117,801	96,120,401	2,600
del	LAB	L 5508	14	96,492,601	96,502,401	9,800
del	HAB	H 6138	14	96,492,801	96,502,801	10,000
del	HAB	H 6139	14	96,509,201	96,515,801	6,600
del	HAB	H 6140	14	96,587,401	96,597,601	10,200
del	LAB	L 5509	14	96,587,801	96,597,601	9,800
del	HAB	H 6141	14	96,683,001	96,690,401	7,400
del	LAB	L 5510	14	96,683,401	96,690,401	7,000
del	LAB	L 5511	14	96,795,001	96,805,001	10,000
del	HAB	H 6142	14	96,795,401	96,805,201	9,800
del	HAB	H 6143	14	97,249,601	97,256,801	7,200
del	HAB	H 6144	14	97,430,201	97,437,401	7,200
del	HAB	H 6145	14	97,508,801	97,526,401	17,600
del	HAB	H 6146	14	97,531,601	97,545,401	13,800
del	HAB	H 6147	14	97,554,601	97,565,001	10,400
del	HAB	H 6148	14	97,722,401	97,725,401	3,000
del	HAB	H 6149	14	97,759,401	97,763,201	3,800
del	HAB	H 6150	14	98,113,801	98,132,201	18,400
del	LAB	L 5512	14	98,119,001	98,132,401	13,400
del	HAB	H 6151	14	98,624,201	98,642,201	18,000
del	LAB	L 5513	14	98,625,001	98,640,401	15,400
del	HAB	H 6152	14	98,705,201	98,713,601	8,400
del	LAB	L 5514	14	98,705,201	98,713,201	8,000
del	HAB	H 6153	14	98,889,001	98,895,201	6,200
del	HAB	H 6154	14	98,950,001	98,955,001	5,000
del	HAB	H 6155	14	99,131,201	99,138,201	7,000
del	HAB	H 6156	14	99,154,001	99,157,001	3,000
del	HAB	H 6157	14	100,647,601	100,655,001	7,400
del	LAB	L 5515	14	100,648,001	100,655,001	7,000
del	LAB	L 5516	14	100,777,801	100,788,401	10,600
del	HAB	H 6158	14	100,778,201	100,788,801	10,600
del	HAB	H 6159	14	101,045,801	101,055,601	9,800
del	LAB	L 5517	14	101,045,801	101,055,201	9,400
del	HAB	H 6160	14	101,075,601	101,085,201	9,600
del	LAB	L 5518	14	101,075,801	101,085,001	9,200
del	HAB	H 6161	14	101,092,001	101,096,401	4,400
del	LAB	L 5519	14	101,092,601	101,096,001	3,400
del	HAB	H 6162	14	101,255,201	101,258,601	3,400
del	LAB	L 5520	14	101,255,401	101,258,401	3,000
del	LAB	L 5521	14	101,801,201	101,812,201	11,000
del	HAB	H 6163	14	101,801,801	101,812,201	10,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5522	14	103,212,601	103,216,201	3,600
del	HAB	H 6164	14	103,212,801	103,216,401	3,600
del	HAB	H 6165	14	103,242,401	103,250,601	8,200
del	HAB	H 6166	14	103,395,001	103,403,401	8,400
del	LAB	L 5523	14	103,395,201	103,403,401	8,200
del	HAB	H 6167	14	103,806,401	103,813,801	7,400
del	HAB	H 6168	14	104,133,401	104,140,601	7,200
del	LAB	L 5524	14	104,263,001	104,268,201	5,200
del	HAB	H 6169	14	104,263,601	104,268,201	4,600
del	HAB	H 6170	14	104,413,401	104,418,401	5,000
del	HAB	H 6171	14	105,391,601	105,398,201	6,600
del	LAB	L 5525	14	105,391,801	105,399,001	7,200
del	HAB	H 6172	14	105,604,001	105,613,801	9,800
del	LAB	L 5526	14	105,607,001	105,613,601	6,600
del	LAB	L 5527	14	106,157,201	106,163,601	6,400
del	LAB	L 5528	14	106,360,401	106,375,001	14,600
del	HAB	H 6173	14	106,361,001	106,374,401	13,400
del	LAB	L 5529	14	106,515,201	106,525,401	10,200
del	HAB	H 6174	14	106,516,401	106,525,401	9,000
del	HAB	H 6175	14	106,696,201	106,710,001	13,800
del	LAB	L 5530	14	106,696,201	106,710,001	13,800
del	HAB	H 6176	14	106,725,801	106,738,401	12,600
del	LAB	L 5531	14	106,725,801	106,738,201	12,400
del	LAB	L 5532	14	106,843,601	106,881,801	38,200
del	HAB	H 6177	14	106,843,801	106,882,001	38,200
del	HAB	H 6178	14	107,553,801	107,566,001	12,200
del	LAB	L 5533	14	107,557,601	107,566,401	8,800
del	HAB	H 6179	14	108,132,601	108,136,201	3,600
del	LAB	L 5534	14	108,132,601	108,136,201	3,600
del	LAB	L 5535	14	108,548,001	108,553,401	5,400
del	LAB	L 5536	14	109,974,801	109,980,201	5,400
del	HAB	H 6180	14	110,305,801	110,323,201	17,400
del	LAB	L 5537	14	110,317,001	110,325,001	8,000
del	LAB	L 5538	14	110,753,201	110,770,001	16,800
del	HAB	H 6181	14	110,753,601	110,765,801	12,200
del	HAB	H 6182	14	110,804,201	110,809,001	4,800
del	LAB	L 5539	14	110,804,401	110,808,601	4,200
del	LAB	L 5540	14	111,453,801	111,465,601	11,800
del	HAB	H 6183	14	111,454,001	111,465,801	11,800
del	HAB	H 6184	14	111,666,801	111,672,801	6,000
del	LAB	L 5541	14	111,667,001	111,669,601	2,600
del	HAB	H 6185	14	111,775,201	111,784,201	9,000
del	LAB	L 5542	14	111,893,601	111,904,001	10,400
del	HAB	H 6186	14	112,064,201	112,069,201	5,000
del	HAB	H 6187	14	112,302,401	112,312,801	10,400
del	LAB	L 5543	14	112,308,801	112,312,201	3,400



type	mouse line	no.	chr	start	end	size
del	HAB	H 6188	14	112,335,001	112,338,001	3,000
del	LAB	L 5544	14	112,335,601	112,337,801	2,200
del	HAB	H 6189	14	112,526,601	112,535,201	8,600
del	LAB	L 5545	14	112,527,001	112,535,201	8,200
del	HAB	H 6190	14	112,683,801	112,691,801	8,000
del	HAB	H 6191	14	112,731,601	112,746,401	14,800
del	LAB	L 5546	14	112,732,001	112,745,601	13,600
del	HAB	H 6192	14	112,765,201	112,771,001	5,800
del	HAB	H 6193	14	112,825,201	112,832,801	7,600
del	LAB	L 5547	14	112,825,601	112,835,201	9,600
del	HAB	H 6194	14	112,849,401	112,852,601	3,200
del	LAB	L 5548	14	112,849,601	112,852,401	2,800
del	HAB	H 6195	14	113,027,201	113,033,801	6,600
del	LAB	L 5549	14	113,027,201	113,033,601	6,400
del	LAB	L 5550	14	113,484,801	113,490,201	5,400
del	HAB	H 6196	14	114,077,401	114,080,401	3,000
del	HAB	H 6197	14	114,185,801	114,199,401	13,600
del	HAB	H 6198	14	114,209,601	114,219,001	9,400
del	LAB	L 5551	14	114,275,001	114,280,601	5,600
del	HAB	H 6199	14	114,275,601	114,280,601	5,000
del	HAB	H 6200	14	114,369,401	114,382,001	12,600
del	LAB	L 5552	14	114,369,401	114,381,001	11,600
del	HAB	H 6201	14	114,415,601	114,418,201	2,600
del	HAB	H 6202	14	114,494,801	114,502,001	7,200
del	HAB	H 6203	14	114,587,001	114,590,201	3,200
del	HAB	H 6204	14	114,602,601	114,615,801	13,200
del	LAB	L 5553	14	114,693,601	114,697,801	4,200
del	HAB	H 6205	14	114,819,401	114,823,801	4,400
del	HAB	H 6206	14	114,905,001	114,912,201	7,200
del	HAB	H 6207	14	115,060,001	115,074,201	14,200
del	HAB	H 6208	14	115,101,401	115,111,201	9,800
del	LAB	L 5554	14	115,101,601	115,111,201	9,600
del	HAB	H 6209	14	115,296,201	115,303,401	7,200
del	HAB	H 6210	14	115,508,801	115,516,601	7,800
del	HAB	H 6211	14	115,671,801	115,680,001	8,200
del	LAB	L 5555	14	115,673,001	115,679,201	6,200
del	HAB	H 6212	14	116,353,601	116,364,801	11,200
del	LAB	L 5556	14	116,353,601	116,366,401	12,800
del	LAB	L 5557	14	117,034,601	117,040,801	6,200
del	LAB	L 5558	14	117,187,801	117,194,201	6,400
del	LAB	L 5559	14	117,478,201	117,482,601	4,400
del	LAB	L 5560	14	117,578,401	117,584,601	6,200
del	LAB	L 5561	14	117,657,601	117,664,201	6,600
del	LAB	L 5562	14	117,685,001	117,691,801	6,800
del	LAB	L 5563	14	117,936,601	117,946,801	10,200
del	HAB	H 6213	14	117,936,801	117,940,801	4,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6214	14	120,355,201	120,362,801	7,600
del	LAB	L 5564	14	120,355,401	120,362,401	7,000
del	HAB	H 6215	14	121,181,201	121,187,401	6,200
del	LAB	L 5565	14	121,181,201	121,191,401	10,200
del	LAB	L 5566	14	121,202,201	121,207,001	4,800
del	HAB	H 6216	14	121,203,201	121,207,201	4,000
del	HAB	H 6217	14	121,465,801	121,468,801	3,000
del	LAB	L 5567	14	121,465,801	121,468,801	3,000
del	HAB	H 6218	14	122,517,201	122,521,401	4,200
del	LAB	L 5568	14	122,517,601	122,521,401	3,800
del	HAB	H 6219	14	123,165,201	123,178,201	13,000
del	LAB	L 5569	14	123,165,201	123,178,201	13,000
del	HAB	H 6220	14	123,819,201	123,825,601	6,400
del	LAB	L 5570	14	123,819,601	123,825,801	6,200
del	HAB	H 6221	14	124,118,601	124,143,601	25,000
del	LAB	L 5571	14	124,118,601	124,146,001	27,400
del	LAB	L 5572	14	124,179,001	124,186,801	7,800
del	HAB	H 6222	14	124,179,401	124,186,801	7,400
del	HAB	H 6223	14	124,225,201	124,231,601	6,400
del	LAB	L 5573	14	124,225,601	124,231,401	5,800
del	HAB	H 6224	14	124,819,401	124,839,801	20,400
del	LAB	L 5574	14	124,819,401	124,840,201	20,800
del	HAB	H 6225	14	125,053,201	125,060,801	7,600
del	LAB	L 5575	14	125,053,601	125,060,401	6,800
del	HAB	H 6226	14	125,083,601	125,103,401	19,800
del	LAB	L 5576	14	125,083,601	125,103,201	19,600
del	HAB	H 6227	14	125,109,001	125,139,201	30,200
del	LAB	L 5577	14	125,109,201	125,140,001	30,800
del	LAB	L 5578	14	125,145,601	125,161,201	15,600
del	HAB	H 6228	14	125,145,801	125,161,201	15,400
del	HAB	H 6229	14	125,180,601	125,192,801	12,200
del	LAB	L 5579	14	125,180,801	125,192,601	11,800
del	HAB	H 6230	15	3,497,801	3,501,001	3,200
del	LAB	L 5580	15	3,498,201	3,501,001	2,800
del	HAB	H 6231	15	3,511,801	3,514,801	3,000
del	LAB	L 5581	15	3,760,201	3,775,001	14,800
del	HAB	H 6232	15	3,760,801	3,775,001	14,200
del	LAB	L 5582	15	3,831,801	3,843,001	11,200
del	HAB	H 6233	15	3,832,601	3,843,601	11,000
del	HAB	H 6234	15	3,867,001	3,875,801	8,800
del	LAB	L 5583	15	3,867,001	3,877,201	10,200
del	HAB	H 6235	15	4,228,401	4,243,201	14,800
del	LAB	L 5584	15	4,229,001	4,239,801	10,800
del	HAB	H 6236	15	4,359,601	4,371,201	11,600
del	LAB	L 5585	15	4,359,601	4,371,201	11,600
del	LAB	L 5586	15	4,563,601	4,567,801	4,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6237	15	4,611,001	4,617,001	6,000
del	HAB	H 6238	15	4,715,801	4,727,801	12,000
del	LAB	L 5587	15	4,715,801	4,727,801	12,000
del	HAB	H 6239	15	4,796,401	4,826,401	30,000
del	LAB	L 5588	15	4,807,001	4,826,801	19,800
del	LAB	L 5589	15	5,316,401	5,333,201	16,800
del	HAB	H 6240	15	5,316,601	5,333,801	17,200
del	LAB	L 5590	15	5,679,201	5,685,601	6,400
del	HAB	H 6241	15	5,679,601	5,685,601	6,000
del	LAB	L 5591	15	6,477,201	6,483,601	6,400
del	HAB	H 6242	15	6,477,401	6,483,801	6,400
del	HAB	H 6243	15	6,754,201	6,758,601	4,400
del	LAB	L 5592	15	6,754,401	6,758,801	4,400
del	HAB	H 6244	15	6,842,401	6,849,401	7,000
del	HAB	H 6245	15	7,489,801	7,498,401	8,600
del	HAB	H 6246	15	8,301,601	8,307,201	5,600
del	LAB	L 5593	15	8,752,201	8,758,601	6,400
del	LAB	L 5594	15	8,850,001	8,856,201	6,200
del	HAB	H 6247	15	8,850,201	8,856,801	6,600
del	HAB	H 6248	15	9,148,001	9,156,401	8,400
del	HAB	H 6249	15	9,241,601	9,256,001	14,400
del	LAB	L 5595	15	9,241,801	9,254,601	12,800
del	LAB	L 5596	15	9,309,401	9,336,601	27,200
del	HAB	H 6250	15	9,310,001	9,336,601	26,600
del	HAB	H 6251	15	9,949,001	9,956,001	7,000
del	LAB	L 5597	15	9,949,001	9,955,801	6,800
del	LAB	L 5598	15	10,701,801	10,714,201	12,400
del	HAB	H 6252	15	10,704,801	10,714,001	9,200
del	HAB	H 6253	15	10,780,001	10,783,801	3,800
del	LAB	L 5599	15	10,780,001	10,783,201	3,200
del	LAB	L 5600	15	13,771,401	13,777,601	6,200
del	HAB	H 6254	15	13,848,401	13,860,801	12,400
del	LAB	L 5601	15	13,848,601	13,860,601	12,000
del	HAB	H 6255	15	14,656,001	14,669,001	13,000
del	LAB	L 5602	15	14,656,401	14,669,001	12,600
del	HAB	H 6256	15	14,802,801	14,808,401	5,600
del	HAB	H 6257	15	14,821,401	14,830,801	9,400
del	LAB	L 5603	15	14,821,401	14,830,601	9,200
del	HAB	H 6258	15	15,711,401	15,719,001	7,600
del	LAB	L 5604	15	15,711,401	15,718,801	7,400
del	HAB	H 6259	15	15,838,001	15,852,401	14,400
del	LAB	L 5605	15	15,838,001	15,852,201	14,200
del	HAB	H 6260	15	16,311,801	16,326,001	14,200
del	LAB	L 5606	15	16,313,801	16,326,001	12,200
del	HAB	H 6261	15	17,068,001	17,070,601	2,600
del	LAB	L 5607	15	17,068,201	17,070,801	2,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6262	15	17,085,601	17,099,001	13,400
del	LAB	L 5608	15	17,086,001	17,099,201	13,200
del	HAB	H 6263	15	17,116,401	17,121,001	4,600
del	LAB	L 5609	15	17,116,601	17,119,801	3,200
del	HAB	H 6264	15	17,195,801	17,203,601	7,800
del	LAB	L 5610	15	17,196,001	17,203,201	7,200
del	LAB	L 5611	15	17,474,801	17,509,201	34,400
del	HAB	H 6265	15	17,475,601	17,509,201	33,600
del	HAB	H 6266	15	17,674,001	17,680,201	6,200
del	LAB	L 5612	15	17,674,201	17,679,801	5,600
del	HAB	H 6267	15	18,243,801	18,254,401	10,600
del	LAB	L 5613	15	18,244,201	18,254,001	9,800
del	HAB	H 6268	15	18,590,401	18,597,001	6,600
del	LAB	L 5614	15	18,590,401	18,601,401	11,000
del	HAB	H 6269	15	18,978,801	18,993,601	14,800
del	LAB	L 5615	15	18,978,801	18,993,401	14,600
del	HAB	H 6270	15	19,331,801	19,335,401	3,600
del	LAB	L 5616	15	19,332,401	19,335,201	2,800
del	LAB	L 5617	15	19,424,601	19,428,601	4,000
del	LAB	L 5618	15	19,454,601	19,460,201	5,600
del	LAB	L 5619	15	19,483,201	19,510,201	27,000
del	HAB	H 6271	15	19,485,201	19,509,001	23,800
del	HAB	H 6272	15	19,560,801	19,571,401	10,600
del	LAB	L 5620	15	19,561,001	19,572,201	11,200
del	LAB	L 5621	15	19,605,001	19,615,201	10,200
del	LAB	L 5622	15	19,718,001	19,723,401	5,400
del	HAB	H 6273	15	19,718,201	19,723,401	5,200
del	LAB	L 5623	15	19,846,601	19,855,201	8,600
del	LAB	L 5624	15	19,880,401	19,892,001	11,600
del	HAB	H 6274	15	19,882,401	19,893,001	10,600
del	LAB	L 5625	15	19,920,201	19,935,201	15,000
del	LAB	L 5626	15	20,084,201	20,093,601	9,400
del	LAB	L 5627	15	20,097,801	20,108,401	10,600
del	HAB	H 6275	15	20,246,401	20,263,401	17,000
del	LAB	L 5628	15	20,246,601	20,258,001	11,400
del	HAB	H 6276	15	20,270,401	20,285,201	14,800
del	LAB	L 5629	15	20,271,001	20,285,401	14,400
del	LAB	L 5630	15	20,402,401	20,411,001	8,600
del	LAB	L 5631	15	20,428,801	20,440,001	11,200
del	HAB	H 6277	15	20,431,801	20,439,001	7,200
del	LAB	L 5632	15	20,455,801	20,470,601	14,800
del	HAB	H 6278	15	20,456,601	20,468,001	11,400
del	LAB	L 5633	15	20,549,401	20,557,401	8,000
del	HAB	H 6279	15	20,843,601	20,851,001	7,400
del	HAB	H 6280	15	20,902,201	20,908,001	5,800
del	LAB	L 5634	15	20,902,601	20,907,801	5,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5635	15	21,191,801	21,202,201	10,400
del	LAB	L 5636	15	21,265,201	21,272,401	7,200
del	LAB	L 5637	15	21,374,601	21,384,201	9,600
del	HAB	H 6281	15	21,375,401	21,384,201	8,800
del	HAB	H 6282	15	21,649,201	21,651,801	2,600
del	LAB	L 5638	15	21,744,801	21,750,801	6,000
del	LAB	L 5639	15	21,782,801	21,807,801	25,000
del	HAB	H 6283	15	21,785,201	21,807,801	22,600
del	HAB	H 6284	15	21,819,001	21,822,401	3,400
del	LAB	L 5640	15	21,819,201	21,822,001	2,800
del	LAB	L 5641	15	21,830,801	21,854,801	24,000
del	HAB	H 6285	15	21,832,801	21,854,601	21,800
del	LAB	L 5642	15	21,869,401	21,873,801	4,400
del	HAB	H 6286	15	22,197,401	22,221,401	24,000
del	LAB	L 5643	15	22,197,601	22,233,601	36,000
del	HAB	H 6287	15	22,292,201	22,296,801	4,600
del	LAB	L 5644	15	22,604,201	22,635,201	31,000
del	HAB	H 6288	15	22,606,601	22,635,201	28,600
del	HAB	H 6289	15	22,681,001	22,686,601	5,600
del	LAB	L 5645	15	22,681,401	22,686,601	5,200
del	HAB	H 6290	15	23,166,001	23,185,401	19,400
del	LAB	L 5646	15	23,166,001	23,185,401	19,400
del	HAB	H 6291	15	23,268,601	23,279,001	10,400
del	LAB	L 5647	15	23,269,001	23,279,001	10,000
del	HAB	H 6292	15	24,578,201	24,604,201	26,000
del	LAB	L 5648	15	24,578,401	24,619,601	41,200
del	HAB	H 6293	15	24,689,801	24,700,201	10,400
del	LAB	L 5649	15	24,690,201	24,698,601	8,400
del	HAB	H 6294	15	24,975,801	24,995,001	19,200
del	LAB	L 5650	15	24,976,401	24,995,001	18,600
del	HAB	H 6295	15	25,107,201	25,110,401	3,200
del	LAB	L 5651	15	25,107,801	25,110,601	2,800
del	HAB	H 6296	15	25,120,801	25,128,801	8,000
del	LAB	L 5652	15	25,121,401	25,128,601	7,200
del	LAB	L 5653	15	26,044,001	26,054,001	10,000
del	HAB	H 6297	15	26,044,401	26,053,801	9,400
del	HAB	H 6298	15	26,165,801	26,186,601	20,800
del	LAB	L 5654	15	26,165,801	26,187,201	21,400
del	HAB	H 6299	15	26,209,801	26,216,801	7,000
del	LAB	L 5655	15	26,604,601	26,611,601	7,000
del	LAB	L 5656	15	26,834,801	26,839,601	4,800
del	HAB	H 6300	15	26,961,201	26,973,001	11,800
del	LAB	L 5657	15	26,961,401	26,985,201	23,800
del	HAB	H 6301	15	26,982,401	26,985,401	3,000
del	LAB	L 5658	15	27,110,001	27,114,201	4,200
del	LAB	L 5659	15	27,203,801	27,209,001	5,200

type	mouse line	no.	chr	start	end	size
del	LAB	L 5660	15	27,216,801	27,223,001	6,200
del	LAB	L 5661	15	29,394,801	29,404,201	9,400
del	HAB	H 6302	15	29,396,201	29,403,801	7,600
del	HAB	H 6303	15	29,468,601	29,474,601	6,000
del	LAB	L 5662	15	29,468,801	29,474,401	5,600
del	HAB	H 6304	15	29,920,201	29,925,601	5,400
del	LAB	L 5663	15	29,920,801	29,925,601	4,800
del	HAB	H 6305	15	30,049,401	30,053,401	4,000
del	LAB	L 5664	15	30,049,401	30,053,201	3,800
del	HAB	H 6306	15	30,146,201	30,153,201	7,000
del	HAB	H 6307	15	30,172,601	30,176,001	3,400
del	HAB	H 6308	15	30,677,601	30,684,801	7,200
del	HAB	H 6309	15	30,998,601	31,012,601	14,000
del	LAB	L 5665	15	30,998,601	31,012,401	13,800
del	HAB	H 6310	15	31,130,401	31,137,201	6,800
del	LAB	L 5666	15	31,864,001	31,874,801	10,800
del	HAB	H 6311	15	31,864,201	31,874,801	10,600
del	HAB	H 6312	15	32,635,801	32,642,801	7,000
del	LAB	L 5667	15	32,636,001	32,642,601	6,600
del	LAB	L 5668	15	32,724,001	32,738,201	14,200
del	HAB	H 6313	15	32,731,801	32,738,001	6,200
del	LAB	L 5669	15	32,751,201	32,785,001	33,800
del	HAB	H 6314	15	32,751,601	32,774,401	22,800
del	HAB	H 6315	15	32,785,201	32,799,601	14,400
del	LAB	L 5670	15	32,790,601	32,795,401	4,800
del	HAB	H 6316	15	33,093,601	33,103,001	9,400
del	LAB	L 5671	15	33,093,801	33,102,001	8,200
del	HAB	H 6317	15	33,324,201	33,330,401	6,200
del	LAB	L 5672	15	33,324,401	33,329,601	5,200
del	HAB	H 6318	15	33,343,401	33,351,201	7,800
del	LAB	L 5673	15	33,343,601	33,351,001	7,400
del	HAB	H 6319	15	33,413,201	33,417,401	4,200
del	LAB	L 5674	15	33,413,201	33,417,201	4,000
del	HAB	H 6320	15	33,492,801	33,507,201	14,400
del	LAB	L 5675	15	33,493,201	33,501,201	8,000
del	HAB	H 6321	15	33,646,801	33,677,401	30,600
del	LAB	L 5676	15	33,655,601	33,677,201	21,600
del	HAB	H 6322	15	33,713,201	33,747,401	34,200
del	LAB	L 5677	15	33,713,401	33,731,201	17,800
del	HAB	H 6323	15	33,792,601	33,816,401	23,800
del	HAB	H 6324	15	33,883,601	33,888,401	4,800
del	HAB	H 6325	15	33,907,801	33,921,201	13,400
del	HAB	H 6326	15	34,156,401	34,161,201	4,800
del	LAB	L 5678	15	34,157,001	34,159,801	2,800
del	HAB	H 6327	15	34,479,201	34,492,401	13,200
del	LAB	L 5679	15	34,484,201	34,492,401	8,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6328	15	34,690,001	34,704,801	14,800
del	HAB	H 6329	15	34,867,001	34,878,601	11,600
del	HAB	H 6330	15	34,917,201	34,924,001	6,800
del	HAB	H 6331	15	35,042,801	35,054,401	11,600
del	HAB	H 6332	15	35,311,201	35,330,201	19,000
del	LAB	L 5680	15	35,313,801	35,330,201	16,400
del	HAB	H 6333	15	35,493,201	35,498,201	5,000
del	HAB	H 6334	15	35,513,201	35,520,201	7,000
del	HAB	H 6335	15	35,554,601	35,560,801	6,200
del	LAB	L 5681	15	35,554,601	35,560,801	6,200
del	HAB	H 6336	15	35,713,401	35,717,001	3,600
del	HAB	H 6337	15	35,921,001	35,927,601	6,600
del	LAB	L 5682	15	37,021,601	37,027,001	5,400
del	HAB	H 6338	15	37,021,801	37,027,201	5,400
del	HAB	H 6339	15	37,045,801	37,050,201	4,400
del	LAB	L 5683	15	37,046,001	37,050,001	4,000
del	HAB	H 6340	15	37,807,201	37,811,801	4,600
del	HAB	H 6341	15	38,408,601	38,412,801	4,200
del	HAB	H 6342	15	39,004,401	39,014,601	10,200
del	LAB	L 5684	15	39,004,601	39,014,401	9,800
del	HAB	H 6343	15	39,167,001	39,177,201	10,200
del	LAB	L 5685	15	39,167,801	39,174,601	6,800
del	HAB	H 6344	15	39,528,401	39,550,201	21,800
del	LAB	L 5686	15	39,531,001	39,549,801	18,800
del	HAB	H 6345	15	39,814,401	39,822,601	8,200
del	LAB	L 5687	15	39,814,401	39,822,801	8,400
del	HAB	H 6346	15	39,881,001	39,887,801	6,800
del	LAB	L 5688	15	39,881,201	39,887,601	6,400
del	HAB	H 6347	15	39,921,401	39,930,201	8,800
del	LAB	L 5689	15	39,921,401	39,930,401	9,000
del	LAB	L 5690	15	40,028,401	40,046,001	17,600
del	HAB	H 6348	15	40,031,801	40,044,401	12,600
del	HAB	H 6349	15	40,151,401	40,155,601	4,200
del	LAB	L 5691	15	40,151,401	40,156,001	4,600
del	LAB	L 5692	15	40,471,001	40,479,001	8,000
del	HAB	H 6350	15	40,472,201	40,478,401	6,200
del	HAB	H 6351	15	40,707,601	40,724,201	16,600
del	LAB	L 5693	15	40,707,801	40,722,401	14,600
del	HAB	H 6352	15	41,721,801	41,728,601	6,800
del	LAB	L 5694	15	41,722,201	41,728,001	5,800
del	HAB	H 6353	15	41,758,001	41,765,601	7,600
del	LAB	L 5695	15	41,758,201	41,764,601	6,400
del	LAB	L 5696	15	42,182,601	42,186,001	3,400
del	HAB	H 6354	15	42,183,001	42,186,201	3,200
del	HAB	H 6355	15	42,430,401	42,436,001	5,600
del	LAB	L 5697	15	42,430,401	42,435,601	5,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6356	15	42,476,001	42,483,001	7,000
del	LAB	L 5698	15	42,476,001	42,482,801	6,800
del	LAB	L 5699	15	42,651,801	42,656,401	4,600
del	HAB	H 6357	15	42,652,001	42,656,601	4,600
del	HAB	H 6358	15	42,757,401	42,772,801	15,400
del	LAB	L 5700	15	42,758,401	42,772,201	13,800
del	HAB	H 6359	15	43,119,601	43,128,401	8,800
del	LAB	L 5701	15	43,119,601	43,128,601	9,000
del	LAB	L 5702	15	43,154,201	43,167,601	13,400
del	HAB	H 6360	15	43,154,401	43,170,801	16,400
del	HAB	H 6361	15	43,295,401	43,304,601	9,200
del	LAB	L 5703	15	43,295,801	43,304,401	8,600
del	HAB	H 6362	15	43,348,601	43,355,401	6,800
del	LAB	L 5704	15	43,348,601	43,355,201	6,600
del	HAB	H 6363	15	43,424,601	43,431,201	6,600
del	LAB	L 5705	15	43,424,601	43,430,801	6,200
del	LAB	L 5706	15	43,573,801	43,578,601	4,800
del	HAB	H 6364	15	43,710,801	43,716,601	5,800
del	LAB	L 5707	15	43,710,801	43,716,401	5,600
del	HAB	H 6365	15	43,839,601	43,849,201	9,600
del	LAB	L 5708	15	43,839,601	43,848,801	9,200
del	HAB	H 6366	15	43,968,201	43,978,001	9,800
del	LAB	L 5709	15	43,968,801	43,971,601	2,800
del	HAB	H 6367	15	43,988,801	43,992,601	3,800
del	LAB	L 5710	15	43,989,001	43,992,401	3,400
del	HAB	H 6368	15	44,300,401	44,308,201	7,800
del	LAB	L 5711	15	44,301,001	44,308,001	7,000
del	HAB	H 6369	15	44,485,401	44,490,601	5,200
del	LAB	L 5712	15	44,485,801	44,490,601	4,800
del	LAB	L 5713	15	44,805,601	44,819,801	14,200
del	HAB	H 6370	15	44,809,401	44,819,801	10,400
del	HAB	H 6371	15	44,838,001	44,841,601	3,600
del	LAB	L 5714	15	44,838,401	44,842,401	4,000
del	HAB	H 6372	15	45,025,601	45,028,601	3,000
del	LAB	L 5715	15	45,025,801	45,028,601	2,800
del	HAB	H 6373	15	45,409,801	45,422,401	12,600
del	LAB	L 5716	15	45,410,401	45,421,801	11,400
del	HAB	H 6374	15	45,716,601	45,727,401	10,800
del	LAB	L 5717	15	45,716,601	45,728,001	11,400
del	HAB	H 6375	15	45,760,801	45,764,401	3,600
del	LAB	L 5718	15	45,760,801	45,764,001	3,200
del	HAB	H 6376	15	46,024,401	46,051,001	26,600
del	LAB	L 5719	15	46,025,001	46,050,201	25,200
del	LAB	L 5720	15	46,187,801	46,202,601	14,800
del	HAB	H 6377	15	46,333,801	46,338,201	4,400
del	LAB	L 5721	15	46,390,401	46,398,201	7,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6378	15	46,390,801	46,398,401	7,600
del	HAB	H 6379	15	46,700,001	46,709,001	9,000
del	LAB	L 5722	15	46,700,001	46,708,801	8,800
del	HAB	H 6380	15	46,719,801	46,734,001	14,200
del	LAB	L 5723	15	46,720,001	46,734,001	14,000
del	LAB	L 5724	15	46,954,001	46,962,001	8,000
del	HAB	H 6381	15	46,954,401	46,962,201	7,800
del	HAB	H 6382	15	47,011,801	47,022,601	10,800
del	LAB	L 5725	15	47,012,401	47,022,801	10,400
del	HAB	H 6383	15	47,081,201	47,090,601	9,400
del	LAB	L 5726	15	47,081,201	47,088,201	7,000
del	HAB	H 6384	15	47,188,001	47,195,801	7,800
del	LAB	L 5727	15	47,188,201	47,208,201	20,000
del	LAB	L 5728	15	47,374,401	47,403,201	28,800
del	HAB	H 6385	15	47,376,201	47,402,401	26,200
del	HAB	H 6386	15	48,927,801	48,939,201	11,400
del	HAB	H 6387	15	49,120,201	49,134,801	14,600
del	LAB	L 5729	15	49,120,401	49,134,401	14,000
del	HAB	H 6388	15	49,199,001	49,204,401	5,400
del	LAB	L 5730	15	49,199,601	49,203,801	4,200
del	HAB	H 6389	15	49,346,201	49,353,601	7,400
del	HAB	H 6390	15	49,358,001	49,362,201	4,200
del	HAB	H 6391	15	49,565,001	49,569,401	4,400
del	HAB	H 6392	15	49,783,401	49,791,801	8,400
del	LAB	L 5731	15	49,783,801	49,791,801	8,000
del	HAB	H 6393	15	49,960,601	49,967,601	7,000
del	HAB	H 6394	15	50,423,001	50,435,801	12,800
del	HAB	H 6395	15	50,458,801	50,476,601	17,800
del	LAB	L 5732	15	50,458,801	50,469,201	10,400
del	HAB	H 6396	15	51,440,401	51,449,001	8,600
del	LAB	L 5733	15	51,444,001	51,448,601	4,600
del	LAB	L 5734	15	51,848,201	51,856,401	8,200
del	HAB	H 6397	15	51,848,401	51,856,401	8,000
del	HAB	H 6398	15	52,097,001	52,105,001	8,000
del	LAB	L 5735	15	52,097,401	52,105,001	7,600
del	HAB	H 6399	15	52,486,601	52,491,401	4,800
del	LAB	L 5736	15	52,486,801	52,491,001	4,200
del	HAB	H 6400	15	52,605,401	52,625,401	20,000
del	LAB	L 5737	15	52,605,401	52,625,801	20,400
del	LAB	L 5738	15	53,698,801	53,702,601	3,800
del	HAB	H 6401	15	53,969,001	53,975,401	6,400
del	LAB	L 5739	15	53,969,601	53,975,601	6,000
del	LAB	L 5740	15	54,275,801	54,282,401	6,600
del	HAB	H 6402	15	54,378,601	54,387,801	9,200
del	LAB	L 5741	15	54,378,801	54,388,201	9,400
del	LAB	L 5742	15	54,466,601	54,473,401	6,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5743	15	54,497,001	54,513,401	16,400
del	HAB	H 6403	15	55,227,401	55,235,001	7,600
del	LAB	L 5744	15	55,227,801	55,234,601	6,800
del	HAB	H 6404	15	55,503,601	55,513,601	10,000
del	LAB	L 5745	15	55,503,601	55,513,601	10,000
del	LAB	L 5746	15	55,703,201	55,708,601	5,400
del	HAB	H 6405	15	55,918,401	55,927,401	9,000
del	LAB	L 5747	15	55,918,601	55,927,201	8,600
del	HAB	H 6406	15	55,957,201	55,966,001	8,800
del	LAB	L 5748	15	55,957,201	55,965,801	8,600
del	HAB	H 6407	15	56,419,001	56,427,201	8,200
del	LAB	L 5749	15	56,419,401	56,427,401	8,000
del	LAB	L 5750	15	56,634,601	56,637,201	2,600
del	LAB	L 5751	15	56,705,401	56,724,601	19,200
del	LAB	L 5752	15	56,733,601	56,746,801	13,200
del	HAB	H 6408	15	56,738,601	56,746,201	7,600
del	LAB	L 5753	15	56,766,201	56,780,401	14,200
del	HAB	H 6409	15	56,767,001	56,773,201	6,200
del	LAB	L 5754	15	56,813,601	56,830,601	17,000
del	HAB	H 6410	15	56,816,001	56,831,201	15,200
del	HAB	H 6411	15	57,117,601	57,123,201	5,600
del	LAB	L 5755	15	57,117,601	57,123,201	5,600
del	LAB	L 5756	15	57,141,201	57,146,201	5,000
del	LAB	L 5757	15	57,244,001	57,264,001	20,000
del	HAB	H 6412	15	57,245,601	57,263,201	17,600
del	HAB	H 6413	15	58,741,401	58,745,201	3,800
del	LAB	L 5758	15	58,993,601	58,998,801	5,200
del	HAB	H 6414	15	59,263,201	59,266,801	3,600
del	LAB	L 5759	15	59,263,201	59,266,601	3,400
del	HAB	H 6415	15	59,702,201	59,706,801	4,600
del	LAB	L 5760	15	59,702,201	59,706,601	4,400
del	LAB	L 5761	15	59,879,001	59,892,601	13,600
del	HAB	H 6416	15	59,879,401	59,893,001	13,600
del	HAB	H 6417	15	59,987,401	60,015,401	28,000
del	LAB	L 5762	15	59,987,801	60,016,001	28,200
del	HAB	H 6418	15	60,178,801	60,186,001	7,200
del	LAB	L 5763	15	60,179,201	60,186,001	6,800
del	HAB	H 6419	15	60,229,401	60,247,801	18,400
del	LAB	L 5764	15	60,229,801	60,247,601	17,800
del	HAB	H 6420	15	60,268,201	60,274,801	6,600
del	LAB	L 5765	15	60,268,201	60,274,401	6,200
del	HAB	H 6421	15	60,424,001	60,426,401	2,400
del	LAB	L 5766	15	60,790,801	60,803,801	13,000
del	HAB	H 6422	15	60,791,001	60,804,401	13,400
del	HAB	H 6423	15	60,915,001	60,922,201	7,200
del	LAB	L 5767	15	60,915,201	60,921,801	6,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5768	15	61,109,801	61,118,601	8,800
del	HAB	H 6424	15	61,110,001	61,118,601	8,600
del	HAB	H 6425	15	62,347,001	62,354,201	7,200
del	LAB	L 5769	15	62,347,201	62,354,001	6,800
del	HAB	H 6426	15	62,463,001	62,467,001	4,000
del	LAB	L 5770	15	62,463,601	62,466,601	3,000
del	HAB	H 6427	15	62,518,001	62,525,401	7,400
del	LAB	L 5771	15	62,518,201	62,525,201	7,000
del	HAB	H 6428	15	62,595,201	62,603,001	7,800
del	LAB	L 5772	15	62,595,601	62,602,801	7,200
del	HAB	H 6429	15	62,853,801	62,859,401	5,600
del	LAB	L 5773	15	62,854,001	62,860,801	6,800
del	HAB	H 6430	15	62,959,001	62,966,201	7,200
del	LAB	L 5774	15	62,959,201	62,966,201	7,000
del	HAB	H 6431	15	63,254,201	63,263,801	9,600
del	LAB	L 5775	15	63,254,201	63,263,601	9,400
del	LAB	L 5776	15	63,614,001	63,634,201	20,200
del	HAB	H 6432	15	63,616,201	63,630,601	14,400
del	HAB	H 6433	15	64,504,401	64,515,401	11,000
del	LAB	L 5777	15	64,504,601	64,515,201	10,600
del	LAB	L 5778	15	64,987,201	64,994,001	6,800
del	HAB	H 6434	15	64,987,601	64,995,201	7,600
del	HAB	H 6435	15	65,101,801	65,105,601	3,800
del	LAB	L 5779	15	65,101,801	65,105,401	3,600
del	HAB	H 6436	15	65,110,401	65,116,401	6,000
del	LAB	L 5780	15	65,110,601	65,116,401	5,800
del	HAB	H 6437	15	65,193,201	65,205,001	11,800
del	LAB	L 5781	15	65,194,001	65,205,201	11,200
del	LAB	L 5782	15	65,221,801	65,234,201	12,400
del	HAB	H 6438	15	65,224,001	65,234,401	10,400
del	HAB	H 6439	15	65,434,201	65,438,601	4,400
del	LAB	L 5783	15	65,434,601	65,438,001	3,400
del	LAB	L 5784	15	65,785,001	65,792,401	7,400
del	HAB	H 6440	15	65,786,001	65,792,201	6,200
del	HAB	H 6441	15	65,877,401	65,891,601	14,200
del	LAB	L 5785	15	65,878,801	65,892,401	13,600
del	HAB	H 6442	15	66,290,601	66,298,201	7,600
del	LAB	L 5786	15	66,290,601	66,298,401	7,800
del	HAB	H 6443	15	66,881,601	66,886,401	4,800
del	LAB	L 5787	15	66,881,801	66,886,401	4,600
del	HAB	H 6444	15	67,089,401	67,106,601	17,200
del	LAB	L 5788	15	67,089,601	67,110,801	21,200
del	HAB	H 6445	15	67,137,601	67,143,601	6,000
del	LAB	L 5789	15	67,137,801	67,143,001	5,200
del	LAB	L 5790	15	67,496,601	67,500,601	4,000
del	HAB	H 6446	15	67,496,801	67,500,801	4,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6447	15	67,565,401	67,568,601	3,200
del	LAB	L 5791	15	67,565,401	67,568,401	3,000
del	HAB	H 6448	15	67,659,401	67,667,001	7,600
del	LAB	L 5792	15	67,659,601	67,666,801	7,200
del	HAB	H 6449	15	67,830,001	67,833,001	3,000
del	LAB	L 5793	15	67,830,201	67,832,601	2,400
del	HAB	H 6450	15	68,462,201	68,469,401	7,200
del	LAB	L 5794	15	68,463,001	68,468,801	5,800
del	HAB	H 6451	15	68,501,601	68,514,001	12,400
del	LAB	L 5795	15	68,502,201	68,509,001	6,800
del	HAB	H 6452	15	68,716,201	68,722,801	6,600
del	LAB	L 5796	15	68,716,401	68,722,601	6,200
del	HAB	H 6453	15	68,810,201	68,817,401	7,200
del	LAB	L 5797	15	68,810,401	68,817,001	6,600
del	HAB	H 6454	15	70,161,801	70,169,001	7,200
del	LAB	L 5798	15	70,162,401	70,169,001	6,600
del	HAB	H 6455	15	70,315,601	70,319,601	4,000
del	LAB	L 5799	15	70,316,001	70,319,201	3,200
del	HAB	H 6456	15	70,681,601	70,688,401	6,800
del	LAB	L 5800	15	70,682,001	70,690,201	8,200
del	HAB	H 6457	15	70,719,201	70,744,801	25,600
del	LAB	L 5801	15	70,720,801	70,737,201	16,400
del	LAB	L 5802	15	70,741,401	70,744,601	3,200
del	LAB	L 5803	15	71,034,801	71,043,601	8,800
del	LAB	L 5804	15	71,236,601	71,244,001	7,400
del	HAB	H 6458	15	71,236,801	71,244,201	7,400
del	HAB	H 6459	15	71,422,401	71,436,401	14,000
del	HAB	H 6460	15	71,480,401	71,492,601	12,200
del	LAB	L 5805	15	71,481,201	71,492,401	11,200
del	HAB	H 6461	15	72,077,601	72,084,801	7,200
del	LAB	L 5806	15	72,078,201	72,084,201	6,000
del	HAB	H 6462	15	72,257,001	72,265,801	8,800
del	LAB	L 5807	15	72,257,201	72,265,801	8,600
del	HAB	H 6463	15	72,911,801	72,918,601	6,800
del	LAB	L 5808	15	72,911,801	72,918,401	6,600
del	HAB	H 6464	15	73,703,401	73,711,001	7,600
del	LAB	L 5809	15	73,703,801	73,710,801	7,000
del	HAB	H 6465	15	74,191,401	74,198,001	6,600
del	LAB	L 5810	15	74,191,801	74,197,801	6,000
del	HAB	H 6466	15	74,770,001	74,777,801	7,800
del	LAB	L 5811	15	74,770,201	74,777,801	7,600
del	LAB	L 5812	15	74,833,401	74,914,801	81,400
del	HAB	H 6467	15	74,835,601	74,914,601	79,000
del	LAB	L 5813	15	74,978,401	75,010,201	31,800
del	HAB	H 6468	15	74,978,801	75,011,601	32,800
del	HAB	H 6469	15	75,035,601	75,043,401	7,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5814	15	75,035,801	75,043,401	7,600
del	HAB	H 6470	15	75,163,001	75,172,001	9,000
del	LAB	L 5815	15	75,163,201	75,171,001	7,800
del	HAB	H 6471	15	76,389,401	76,397,601	8,200
del	LAB	L 5816	15	76,390,401	76,397,401	7,000
del	HAB	H 6472	15	76,795,001	76,801,801	6,800
del	HAB	H 6473	15	77,261,001	77,268,801	7,800
del	LAB	L 5817	15	77,261,601	77,268,801	7,200
del	HAB	H 6474	15	77,328,801	77,335,401	6,600
del	LAB	L 5818	15	77,329,001	77,335,001	6,000
del	HAB	H 6475	15	77,378,601	77,386,801	8,200
del	LAB	L 5819	15	77,379,801	77,386,601	6,800
del	HAB	H 6476	15	77,725,401	77,733,201	7,800
del	LAB	L 5820	15	77,726,001	77,732,601	6,600
del	HAB	H 6477	15	79,530,001	79,536,601	6,600
del	LAB	L 5821	15	79,530,401	79,536,401	6,000
del	HAB	H 6478	15	79,699,201	79,703,401	4,200
del	LAB	L 5822	15	79,699,401	79,703,201	3,800
del	HAB	H 6479	15	80,975,601	80,982,601	7,000
del	LAB	L 5823	15	80,975,601	80,982,401	6,800
del	HAB	H 6480	15	81,322,001	81,328,001	6,000
del	LAB	L 5824	15	82,189,601	82,198,401	8,800
del	HAB	H 6481	15	82,189,801	82,198,401	8,600
del	LAB	L 5825	15	82,313,001	82,329,201	16,200
del	HAB	H 6482	15	82,313,401	82,329,001	15,600
del	HAB	H 6483	15	82,354,001	82,360,601	6,600
del	LAB	L 5826	15	82,354,401	82,360,401	6,000
del	HAB	H 6484	15	82,423,401	82,439,201	15,800
del	LAB	L 5827	15	82,423,401	82,438,601	15,200
del	LAB	L 5828	15	84,576,401	84,583,401	7,000
del	HAB	H 6485	15	84,576,801	84,583,601	6,800
del	HAB	H 6486	15	86,142,601	86,148,201	5,600
del	LAB	L 5829	15	86,142,801	86,148,001	5,200
del	LAB	L 5830	15	86,973,601	86,980,001	6,400
del	LAB	L 5831	15	87,124,401	87,131,401	7,000
del	LAB	L 5832	15	88,419,801	88,423,401	3,600
del	HAB	H 6487	15	88,866,001	88,871,401	5,400
del	LAB	L 5833	15	88,866,601	88,870,801	4,200
del	LAB	L 5834	15	89,489,801	89,496,401	6,600
del	HAB	H 6488	15	90,709,401	90,714,401	5,000
del	HAB	H 6489	15	90,910,401	90,917,601	7,200
del	LAB	L 5835	15	90,910,601	90,917,401	6,800
del	HAB	H 6490	15	90,945,401	90,953,001	7,600
del	LAB	L 5836	15	90,945,601	90,952,601	7,000
del	HAB	H 6491	15	90,958,601	90,966,401	7,800
del	LAB	L 5837	15	90,959,001	90,966,401	7,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6492	15	90,971,801	90,974,401	2,600
del	LAB	L 5838	15	90,971,801	90,974,001	2,200
del	HAB	H 6493	15	91,675,001	91,686,601	11,600
del	LAB	L 5839	15	91,675,401	91,686,201	10,800
del	HAB	H 6494	15	91,810,401	91,824,401	14,000
del	LAB	L 5840	15	91,810,601	91,824,401	13,800
del	HAB	H 6495	15	92,300,401	92,305,601	5,200
del	HAB	H 6496	15	92,444,001	92,448,801	4,800
del	HAB	H 6497	15	92,554,401	92,560,801	6,400
del	HAB	H 6498	15	92,711,201	92,713,601	2,400
del	HAB	H 6499	15	92,874,001	92,886,201	12,200
del	LAB	L 5841	15	92,874,201	92,886,201	12,000
del	LAB	L 5842	15	92,999,601	93,006,401	6,800
del	HAB	H 6500	15	92,999,801	93,006,401	6,600
del	LAB	L 5843	15	93,928,801	93,930,801	2,000
del	LAB	L 5844	15	93,981,001	93,987,201	6,200
del	LAB	L 5845	15	94,126,001	94,135,201	9,200
del	HAB	H 6501	15	94,130,001	94,135,201	5,200
del	HAB	H 6502	15	95,558,801	95,565,801	7,000
del	HAB	H 6503	15	96,721,401	96,724,601	3,200
del	LAB	L 5846	15	96,721,601	96,724,601	3,000
del	LAB	L 5847	15	97,303,401	97,315,601	12,200
del	HAB	H 6504	15	98,152,401	98,157,201	4,800
del	LAB	L 5848	15	98,152,401	98,156,801	4,400
del	HAB	H 6505	15	103,436,801	103,444,201	7,400
del	LAB	L 5849	15	103,437,401	103,443,601	6,200
del	LAB	L 5850	15	103,462,801	103,492,801	30,000
del	HAB	H 6506	15	103,464,001	103,480,401	16,400
del	HAB	H 6507	15	103,485,801	103,492,201	6,400
del	HAB	H 6508	16	3,038,401	3,051,401	13,000
del	LAB	L 5851	16	3,040,001	3,051,601	11,600
del	HAB	H 6509	16	3,073,201	3,081,401	8,200
del	LAB	L 5852	16	3,073,601	3,081,801	8,200
del	HAB	H 6510	16	3,233,401	3,241,001	7,600
del	LAB	L 5853	16	3,233,401	3,241,001	7,600
del	HAB	H 6511	16	3,383,801	3,391,001	7,200
del	LAB	L 5854	16	3,383,801	3,390,801	7,000
del	HAB	H 6512	16	3,397,201	3,400,801	3,600
del	HAB	H 6513	16	3,468,201	3,474,001	5,800
del	HAB	H 6514	16	3,511,401	3,521,401	10,000
del	HAB	H 6515	16	3,643,001	3,662,801	19,800
del	LAB	L 5855	16	3,643,201	3,662,201	19,000
del	LAB	L 5856	16	4,858,001	4,860,401	2,400
del	HAB	H 6516	16	5,634,201	5,645,801	11,600
del	LAB	L 5857	16	5,634,601	5,645,401	10,800
del	HAB	H 6517	16	7,460,801	7,463,801	3,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5858	16	7,460,801	7,463,401	2,600
del	HAB	H 6518	16	7,603,601	7,612,401	8,800
del	LAB	L 5859	16	7,603,801	7,612,001	8,200
del	HAB	H 6519	16	7,738,001	7,743,201	5,200
del	LAB	L 5860	16	7,738,201	7,743,801	5,600
del	LAB	L 5861	16	7,748,201	7,760,601	12,400
del	HAB	H 6520	16	7,749,201	7,760,601	11,400
del	LAB	L 5862	16	7,857,601	7,870,601	13,000
del	HAB	H 6521	16	7,859,201	7,870,601	11,400
del	LAB	L 5863	16	7,909,601	7,915,801	6,200
del	HAB	H 6522	16	7,910,001	7,915,801	5,800
del	HAB	H 6523	16	7,952,201	7,958,801	6,600
del	LAB	L 5864	16	7,952,401	7,958,601	6,200
del	HAB	H 6524	16	7,981,001	7,985,801	4,800
del	LAB	L 5865	16	7,981,201	7,986,401	5,200
del	HAB	H 6525	16	8,155,601	8,161,401	5,800
del	LAB	L 5866	16	8,156,001	8,162,401	6,400
del	HAB	H 6526	16	8,253,601	8,259,401	5,800
del	LAB	L 5867	16	8,254,201	8,259,001	4,800
del	LAB	L 5868	16	8,275,001	8,289,401	14,400
del	HAB	H 6527	16	8,275,201	8,289,401	14,200
del	LAB	L 5869	16	9,063,601	9,068,401	4,800
del	HAB	H 6528	16	9,064,201	9,068,401	4,200
del	HAB	H 6529	16	9,867,601	9,872,601	5,000
del	HAB	H 6530	16	12,323,201	12,352,001	28,800
del	LAB	L 5870	16	12,323,201	12,351,601	28,400
del	LAB	L 5871	16	13,087,801	13,100,201	12,400
del	HAB	H 6531	16	14,646,601	14,653,401	6,800
del	LAB	L 5872	16	14,647,001	14,654,201	7,200
del	HAB	H 6532	16	14,678,401	14,694,601	16,200
del	LAB	L 5873	16	14,678,601	14,694,201	15,600
del	LAB	L 5874	16	14,874,801	14,881,401	6,600
del	HAB	H 6533	16	14,875,001	14,881,601	6,600
del	HAB	H 6534	16	15,224,201	15,233,401	9,200
del	LAB	L 5875	16	15,224,401	15,233,401	9,000
del	HAB	H 6535	16	15,321,201	15,328,001	6,800
del	LAB	L 5876	16	15,322,001	15,328,201	6,200
del	LAB	L 5877	16	15,436,801	15,461,801	25,000
del	HAB	H 6536	16	15,437,401	15,461,801	24,400
del	HAB	H 6537	16	15,495,801	15,510,001	14,200
del	LAB	L 5878	16	15,495,801	15,509,601	13,800
del	HAB	H 6538	16	15,528,601	15,535,201	6,600
del	LAB	L 5879	16	15,528,601	15,535,001	6,400
del	LAB	L 5880	16	15,738,001	15,755,801	17,800
del	HAB	H 6539	16	15,742,601	15,756,001	13,400
del	LAB	L 5881	16	16,123,201	16,136,001	12,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6540	16	16,124,601	16,134,801	10,200
del	HAB	H 6541	16	16,174,401	16,181,601	7,200
del	LAB	L 5882	16	16,174,801	16,182,001	7,200
del	LAB	L 5883	16	16,394,801	16,410,801	16,000
del	HAB	H 6542	16	16,395,001	16,410,201	15,200
del	LAB	L 5884	16	16,646,801	16,658,201	11,400
del	HAB	H 6543	16	16,647,001	16,658,201	11,200
del	HAB	H 6544	16	16,695,001	16,704,601	9,600
del	LAB	L 5885	16	16,695,401	16,704,601	9,200
del	HAB	H 6545	16	16,712,401	16,718,001	5,600
del	LAB	L 5886	16	16,713,001	16,718,601	5,600
del	HAB	H 6546	16	16,833,401	16,843,401	10,000
del	LAB	L 5887	16	16,833,601	16,842,401	8,800
del	LAB	L 5888	16	19,071,601	19,094,801	23,200
del	HAB	H 6547	16	19,071,801	19,094,801	23,000
del	HAB	H 6548	16	19,110,401	19,119,001	8,600
del	LAB	L 5889	16	19,110,601	19,119,001	8,400
del	HAB	H 6549	16	19,131,601	19,139,601	8,000
del	LAB	L 5890	16	19,131,801	19,139,201	7,400
del	HAB	H 6550	16	19,169,601	19,187,801	18,200
del	LAB	L 5891	16	19,169,801	19,187,801	18,000
del	HAB	H 6551	16	19,293,001	19,299,401	6,400
del	HAB	H 6552	16	19,331,401	19,355,201	23,800
del	LAB	L 5892	16	19,335,801	19,355,201	19,400
del	HAB	H 6553	16	19,583,801	19,593,801	10,000
del	HAB	H 6554	16	19,636,401	19,652,601	16,200
del	LAB	L 5893	16	19,637,001	19,650,601	13,600
del	HAB	H 6555	16	19,679,401	19,692,801	13,400
del	LAB	L 5894	16	19,679,401	19,688,601	9,200
del	HAB	H 6556	16	19,739,601	19,748,001	8,400
del	HAB	H 6557	16	19,926,601	19,944,801	18,200
del	LAB	L 5895	16	19,927,001	19,940,201	13,200
del	HAB	H 6558	16	20,031,201	20,043,001	11,800
del	LAB	L 5896	16	23,745,801	23,753,401	7,600
del	HAB	H 6559	16	23,746,401	23,753,401	7,000
del	HAB	H 6560	16	25,517,801	25,523,401	5,600
del	LAB	L 5897	16	25,518,201	25,523,201	5,000
del	HAB	H 6561	16	25,647,201	25,651,401	4,200
del	LAB	L 5898	16	25,647,201	25,651,401	4,200
del	LAB	L 5899	16	26,216,801	26,223,601	6,800
del	HAB	H 6562	16	26,221,201	26,224,401	3,200
del	LAB	L 5900	16	26,864,001	26,878,601	14,600
del	HAB	H 6563	16	26,864,801	26,878,601	13,800
del	LAB	L 5901	16	27,067,801	27,085,001	17,200
del	HAB	H 6564	16	27,070,201	27,085,001	14,800
del	LAB	L 5902	16	27,597,201	27,602,001	4,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6565	16	27,598,001	27,602,201	4,200
del	LAB	L 5903	16	27,648,401	27,654,001	5,600
del	HAB	H 6566	16	27,660,001	27,665,801	5,800
del	LAB	L 5904	16	27,660,201	27,666,001	5,800
del	HAB	H 6567	16	27,736,801	27,749,401	12,600
del	LAB	L 5905	16	27,738,001	27,750,401	12,400
del	HAB	H 6568	16	28,499,601	28,507,401	7,800
del	LAB	L 5906	16	28,499,801	28,507,201	7,400
del	HAB	H 6569	16	28,854,201	28,858,201	4,000
del	LAB	L 5907	16	28,854,401	28,858,201	3,800
del	HAB	H 6570	16	29,267,601	29,274,401	6,800
del	LAB	L 5908	16	29,267,601	29,274,201	6,600
del	HAB	H 6571	16	29,284,801	29,289,201	4,400
del	LAB	L 5909	16	29,285,401	29,288,801	3,400
del	HAB	H 6572	16	29,423,801	29,431,601	7,800
del	LAB	L 5910	16	29,424,201	29,430,401	6,200
del	HAB	H 6573	16	31,085,401	31,090,401	5,000
del	LAB	L 5911	16	31,085,601	31,090,001	4,400
del	LAB	L 5912	16	31,375,601	31,392,401	16,800
del	HAB	H 6574	16	31,376,001	31,392,401	16,400
del	HAB	H 6575	16	31,594,201	31,597,201	3,000
del	LAB	L 5913	16	31,594,601	31,597,201	2,600
del	HAB	H 6576	16	32,148,001	32,153,801	5,800
del	LAB	L 5914	16	32,148,401	32,153,601	5,200
del	HAB	H 6577	16	32,195,401	32,202,201	6,800
del	LAB	L 5915	16	32,195,801	32,201,001	5,200
del	HAB	H 6578	16	32,579,001	32,587,001	8,000
del	LAB	L 5916	16	32,579,401	32,586,601	7,200
del	HAB	H 6579	16	34,583,201	34,589,401	6,200
del	LAB	L 5917	16	34,583,201	34,589,401	6,200
del	HAB	H 6580	16	36,243,401	36,331,801	88,400
del	LAB	L 5918	16	36,244,201	36,331,801	87,600
del	HAB	H 6581	16	36,765,001	36,770,601	5,600
del	LAB	L 5919	16	36,765,201	36,770,201	5,000
del	HAB	H 6582	16	37,307,201	37,315,201	8,000
del	LAB	L 5920	16	37,307,401	37,315,001	7,600
del	LAB	L 5921	16	37,796,801	37,799,601	2,800
del	HAB	H 6583	16	38,714,401	38,722,001	7,600
del	LAB	L 5922	16	38,714,401	38,721,601	7,200
del	HAB	H 6584	16	38,831,201	38,845,201	14,000
del	LAB	L 5923	16	38,831,201	38,845,001	13,800
del	HAB	H 6585	16	38,867,201	38,878,201	11,000
del	LAB	L 5924	16	38,867,201	38,878,001	10,800
del	HAB	H 6586	16	39,084,401	39,091,601	7,200
del	LAB	L 5925	16	39,084,601	39,091,601	7,000
del	HAB	H 6587	16	39,288,801	39,292,801	4,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 5926	16	39,289,001	39,292,601	3,600
del	LAB	L 5927	16	39,434,601	39,441,401	6,800
del	HAB	H 6588	16	39,434,801	39,441,601	6,800
del	HAB	H 6589	16	39,535,601	39,539,201	3,600
del	LAB	L 5928	16	39,535,601	39,538,801	3,200
del	LAB	L 5929	16	39,559,401	39,572,401	13,000
del	HAB	H 6590	16	39,560,201	39,572,201	12,000
del	LAB	L 5930	16	39,780,801	39,787,801	7,000
del	HAB	H 6591	16	39,781,601	39,787,601	6,000
del	HAB	H 6592	16	40,659,801	40,667,201	7,400
del	HAB	H 6593	16	40,716,601	40,727,401	10,800
del	LAB	L 5931	16	40,716,801	40,727,201	10,400
del	HAB	H 6594	16	40,814,201	40,819,601	5,400
del	LAB	L 5932	16	40,814,201	40,819,801	5,600
del	HAB	H 6595	16	41,195,801	41,202,001	6,200
del	HAB	H 6596	16	41,352,201	41,357,401	5,200
del	LAB	L 5933	16	41,352,601	41,357,001	4,400
del	LAB	L 5934	16	41,490,801	41,495,201	4,400
del	HAB	H 6597	16	41,491,001	41,495,401	4,400
del	HAB	H 6598	16	41,575,201	41,582,401	7,200
del	LAB	L 5935	16	41,575,401	41,582,201	6,800
del	LAB	L 5936	16	41,616,801	41,622,801	6,000
del	LAB	L 5937	16	42,817,601	42,823,401	5,800
del	HAB	H 6599	16	42,836,401	42,853,801	17,400
del	LAB	L 5938	16	42,836,401	42,853,801	17,400
del	HAB	H 6600	16	43,086,201	43,089,001	2,800
del	LAB	L 5939	16	43,143,401	43,149,001	5,600
del	HAB	H 6601	16	43,143,601	43,149,001	5,400
del	LAB	L 5940	16	43,198,601	43,203,801	5,200
del	HAB	H 6602	16	43,198,801	43,204,401	5,600
del	HAB	H 6603	16	44,709,801	44,716,601	6,800
del	LAB	L 5941	16	44,709,801	44,716,401	6,600
del	HAB	H 6604	16	44,802,601	44,908,201	105,600
del	LAB	L 5942	16	44,811,601	44,908,201	96,600
del	HAB	H 6605	16	44,927,801	44,948,801	21,000
del	LAB	L 5943	16	44,927,801	44,948,601	20,800
del	HAB	H 6606	16	45,050,201	45,069,001	18,800
del	LAB	L 5944	16	45,050,401	45,068,801	18,400
del	HAB	H 6607	16	45,462,001	45,476,801	14,800
del	LAB	L 5945	16	45,462,201	45,476,801	14,600
del	HAB	H 6608	16	45,512,201	45,520,201	8,000
del	LAB	L 5946	16	45,512,201	45,519,401	7,200
del	HAB	H 6609	16	45,564,801	45,571,601	6,800
del	LAB	L 5947	16	45,565,001	45,571,601	6,600
del	HAB	H 6610	16	46,275,201	46,281,001	5,800
del	LAB	L 5948	16	46,275,601	46,280,801	5,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6611	16	46,317,801	46,324,401	6,600
del	LAB	L 5949	16	46,318,001	46,324,801	6,800
del	HAB	H 6612	16	46,595,001	46,598,201	3,200
del	LAB	L 5950	16	46,595,401	46,597,801	2,400
del	HAB	H 6613	16	46,642,801	46,650,601	7,800
del	LAB	L 5951	16	46,643,001	46,650,601	7,600
del	HAB	H 6614	16	46,744,201	46,766,601	22,400
del	LAB	L 5952	16	46,744,201	46,767,801	23,600
del	HAB	H 6615	16	47,136,601	47,145,001	8,400
del	LAB	L 5953	16	47,137,201	47,144,201	7,000
del	HAB	H 6616	16	47,298,401	47,318,801	20,400
del	LAB	L 5954	16	47,298,601	47,319,201	20,600
del	HAB	H 6617	16	47,373,001	47,386,001	13,000
del	LAB	L 5955	16	47,375,601	47,386,001	10,400
del	HAB	H 6618	16	47,554,401	47,564,201	9,800
del	LAB	L 5956	16	47,554,601	47,564,001	9,400
del	HAB	H 6619	16	47,741,201	47,754,401	13,200
del	LAB	L 5957	16	47,743,601	47,754,201	10,600
del	HAB	H 6620	16	47,820,401	47,830,801	10,400
del	LAB	L 5958	16	47,820,401	47,829,801	9,400
del	LAB	L 5959	16	47,901,201	47,913,801	12,600
del	HAB	H 6621	16	47,901,401	47,914,201	12,800
del	HAB	H 6622	16	47,985,601	47,994,201	8,600
del	LAB	L 5960	16	47,985,601	47,994,801	9,200
del	HAB	H 6623	16	48,029,401	48,043,601	14,200
del	LAB	L 5961	16	48,029,601	48,043,401	13,800
del	HAB	H 6624	16	48,105,001	48,115,801	10,800
del	LAB	L 5962	16	48,107,401	48,116,601	9,200
del	HAB	H 6625	16	48,138,401	48,147,001	8,600
del	LAB	L 5963	16	48,138,401	48,147,201	8,800
del	LAB	L 5964	16	48,487,401	48,492,201	4,800
del	HAB	H 6626	16	48,487,601	48,492,401	4,800
del	HAB	H 6627	16	48,538,601	48,543,801	5,200
del	LAB	L 5965	16	48,540,201	48,543,401	3,200
del	HAB	H 6628	16	48,855,201	48,862,601	7,400
del	HAB	H 6629	16	48,879,201	48,888,001	8,800
del	LAB	L 5966	16	48,879,201	48,891,601	12,400
del	HAB	H 6630	16	48,968,801	48,975,001	6,200
del	LAB	L 5967	16	48,968,801	48,975,001	6,200
del	HAB	H 6631	16	49,619,601	49,624,401	4,800
del	LAB	L 5968	16	49,620,201	49,624,201	4,000
del	HAB	H 6632	16	50,085,001	50,089,601	4,600
del	HAB	H 6633	16	50,288,801	50,291,801	3,000
del	HAB	H 6634	16	50,334,401	50,337,201	2,800
del	HAB	H 6635	16	51,087,201	51,097,801	10,600
del	LAB	L 5969	16	51,087,201	51,097,801	10,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6636	16	51,123,601	51,136,401	12,800
del	LAB	L 5970	16	51,125,201	51,136,201	11,000
del	HAB	H 6637	16	51,177,801	51,191,601	13,800
del	LAB	L 5971	16	51,177,801	51,191,401	13,600
del	HAB	H 6638	16	51,503,201	51,512,401	9,200
del	LAB	L 5972	16	51,503,601	51,512,401	8,800
del	LAB	L 5973	16	51,968,401	51,980,401	12,000
del	HAB	H 6639	16	51,970,801	51,980,201	9,400
del	LAB	L 5974	16	52,512,801	52,526,201	13,400
del	HAB	H 6640	16	52,517,201	52,526,201	9,000
del	LAB	L 5975	16	52,554,001	52,577,001	23,000
del	HAB	H 6641	16	52,554,201	52,577,201	23,000
del	LAB	L 5976	16	53,013,601	53,019,401	5,800
del	HAB	H 6642	16	53,352,201	53,357,801	5,600
del	LAB	L 5977	16	53,352,601	53,357,601	5,000
del	HAB	H 6643	16	53,415,201	53,422,201	7,000
del	LAB	L 5978	16	53,415,201	53,421,801	6,600
del	HAB	H 6644	16	53,530,001	53,537,001	7,000
del	HAB	H 6645	16	53,571,401	53,595,801	24,400
del	LAB	L 5979	16	53,577,001	53,594,201	17,200
del	HAB	H 6646	16	53,646,601	53,654,601	8,000
del	HAB	H 6647	16	53,714,201	53,718,201	4,000
del	LAB	L 5980	16	53,714,401	53,717,601	3,200
del	LAB	L 5981	16	53,751,601	53,761,201	9,600
del	HAB	H 6648	16	53,752,001	53,761,401	9,400
del	HAB	H 6649	16	53,825,401	53,835,601	10,200
del	HAB	H 6650	16	54,009,001	54,011,801	2,800
del	HAB	H 6651	16	54,201,201	54,211,601	10,400
del	HAB	H 6652	16	54,298,201	54,305,201	7,000
del	LAB	L 5982	16	54,298,601	54,305,201	6,600
del	HAB	H 6653	16	54,423,201	54,434,601	11,400
del	LAB	L 5983	16	54,423,801	54,434,401	10,600
del	HAB	H 6654	16	54,464,801	54,472,201	7,400
del	HAB	H 6655	16	54,517,801	54,527,401	9,600
del	HAB	H 6656	16	54,559,601	54,566,801	7,200
del	HAB	H 6657	16	55,121,601	55,127,201	5,600
del	LAB	L 5984	16	55,121,801	55,126,801	5,000
del	HAB	H 6658	16	55,646,401	55,659,401	13,000
del	LAB	L 5985	16	55,647,601	55,661,601	14,000
del	HAB	H 6659	16	56,042,201	56,049,001	6,800
del	LAB	L 5986	16	56,042,201	56,048,801	6,600
del	HAB	H 6660	16	56,995,001	57,002,201	7,200
del	HAB	H 6661	16	57,054,601	57,061,001	6,400
del	LAB	L 5987	16	57,054,601	57,060,001	5,400
del	HAB	H 6662	16	57,083,601	57,095,601	12,000
del	LAB	L 5988	16	57,083,601	57,095,601	12,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6663	16	57,201,001	57,207,801	6,800
del	LAB	L 5989	16	57,201,201	57,207,601	6,400
del	LAB	L 5990	16	57,961,801	57,974,401	12,600
del	HAB	H 6664	16	57,962,001	57,973,801	11,800
del	HAB	H 6665	16	57,994,401	58,005,601	11,200
del	LAB	L 5991	16	57,994,601	58,005,401	10,800
del	HAB	H 6666	16	58,137,801	58,140,401	2,600
del	LAB	L 5992	16	58,138,001	58,140,201	2,200
del	HAB	H 6667	16	58,207,601	58,214,001	6,400
del	LAB	L 5993	16	58,208,001	58,213,801	5,800
del	HAB	H 6668	16	58,239,201	58,260,801	21,600
del	LAB	L 5994	16	58,239,401	58,261,801	22,400
del	HAB	H 6669	16	58,313,601	58,320,001	6,400
del	LAB	L 5995	16	58,314,201	58,319,601	5,400
del	LAB	L 5996	16	58,335,601	58,343,001	7,400
del	HAB	H 6670	16	58,335,801	58,343,201	7,400
del	HAB	H 6671	16	58,363,001	58,376,201	13,200
del	LAB	L 5997	16	58,363,401	58,376,201	12,800
del	LAB	L 5998	16	58,634,801	58,655,201	20,400
del	HAB	H 6672	16	58,641,401	58,655,401	14,000
del	HAB	H 6673	16	58,764,201	58,786,001	21,800
del	LAB	L 5999	16	58,764,801	58,780,401	15,600
del	HAB	H 6674	16	58,852,801	58,869,001	16,200
del	LAB	L 6000	16	58,858,401	58,868,801	10,400
del	HAB	H 6675	16	58,967,801	58,979,801	12,000
del	LAB	L 6001	16	58,967,801	58,979,801	12,000
del	HAB	H 6676	16	59,121,401	59,129,401	8,000
del	LAB	L 6002	16	59,121,801	59,129,001	7,200
del	HAB	H 6677	16	59,171,201	59,178,601	7,400
del	LAB	L 6003	16	59,171,601	59,178,401	6,800
del	HAB	H 6678	16	59,352,001	59,387,001	35,000
del	LAB	L 6004	16	59,352,201	59,387,001	34,800
del	HAB	H 6679	16	59,457,401	59,460,601	3,200
del	LAB	L 6005	16	59,457,601	59,460,401	2,800
del	HAB	H 6680	16	59,698,001	59,704,801	6,800
del	LAB	L 6006	16	59,698,001	59,704,601	6,600
del	HAB	H 6681	16	59,894,001	59,902,801	8,800
del	LAB	L 6007	16	59,894,001	59,902,801	8,800
del	HAB	H 6682	16	60,432,401	60,448,401	16,000
del	LAB	L 6008	16	60,432,401	60,447,801	15,400
del	HAB	H 6683	16	60,557,801	60,564,001	6,200
del	LAB	L 6009	16	60,558,401	60,563,801	5,400
del	HAB	H 6684	16	60,724,001	60,748,601	24,600
del	LAB	L 6010	16	60,724,001	60,748,401	24,400
del	HAB	H 6685	16	60,920,801	60,939,601	18,800
del	LAB	L 6011	16	60,923,001	60,951,201	28,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6686	16	61,112,401	61,119,801	7,400
del	LAB	L 6012	16	61,112,401	61,119,601	7,200
del	LAB	L 6013	16	61,309,201	61,338,001	28,800
del	HAB	H 6687	16	61,311,801	61,338,001	26,200
del	HAB	H 6688	16	62,390,801	62,400,401	9,600
del	LAB	L 6014	16	62,391,801	62,400,401	8,600
del	LAB	L 6015	16	62,570,401	62,599,201	28,800
del	HAB	H 6689	16	62,570,601	62,598,601	28,000
del	HAB	H 6690	16	62,702,401	62,711,201	8,800
del	LAB	L 6016	16	62,703,001	62,711,201	8,200
del	HAB	H 6691	16	64,007,401	64,012,401	5,000
del	LAB	L 6017	16	64,007,601	64,012,201	4,600
del	HAB	H 6692	16	64,190,801	64,194,401	3,600
del	LAB	L 6018	16	64,191,201	64,195,001	3,800
del	HAB	H 6693	16	64,415,401	64,421,801	6,400
del	LAB	L 6019	16	64,416,001	64,422,001	6,000
del	LAB	L 6020	16	64,578,201	64,580,601	2,400
del	HAB	H 6694	16	64,966,001	64,992,201	26,200
del	HAB	H 6695	16	65,221,801	65,237,601	15,800
del	LAB	L 6021	16	65,222,001	65,237,401	15,400
del	HAB	H 6696	16	65,751,601	65,758,001	6,400
del	LAB	L 6022	16	65,752,001	65,758,201	6,200
del	HAB	H 6697	16	65,772,601	65,788,201	15,600
del	LAB	L 6023	16	65,930,801	65,942,401	11,600
del	HAB	H 6698	16	65,932,801	65,938,601	5,800
del	HAB	H 6699	16	66,139,801	66,143,001	3,200
del	HAB	H 6700	16	66,229,201	66,247,801	18,600
del	HAB	H 6701	16	66,312,001	66,319,801	7,800
del	HAB	H 6702	16	66,329,201	66,332,001	2,800
del	HAB	H 6703	16	66,754,401	66,761,001	6,600
del	LAB	L 6024	16	67,192,801	67,196,001	3,200
del	HAB	H 6704	16	67,328,401	67,335,201	6,800
del	HAB	H 6705	16	67,385,201	67,392,201	7,000
del	HAB	H 6706	16	67,630,001	67,637,401	7,400
del	LAB	L 6025	16	67,630,201	67,637,401	7,200
del	LAB	L 6026	16	67,929,401	67,944,201	14,800
del	HAB	H 6707	16	67,930,601	67,944,401	13,800
del	HAB	H 6708	16	68,094,801	68,101,001	6,200
del	HAB	H 6709	16	68,622,401	68,627,201	4,800
del	LAB	L 6027	16	68,622,801	68,627,201	4,400
del	HAB	H 6710	16	68,738,801	68,748,201	9,400
del	LAB	L 6028	16	69,002,601	69,022,001	19,400
del	HAB	H 6711	16	69,016,201	69,021,801	5,600
del	HAB	H 6712	16	69,324,001	69,333,401	9,400
del	LAB	L 6029	16	69,324,201	69,333,401	9,200
del	HAB	H 6713	16	69,386,801	69,394,801	8,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6030	16	69,403,401	69,415,801	12,400
del	HAB	H 6714	16	69,408,401	69,415,601	7,200
del	HAB	H 6715	16	69,893,001	69,900,601	7,600
del	LAB	L 6031	16	69,893,201	69,900,201	7,000
del	HAB	H 6716	16	69,962,001	69,966,401	4,400
del	LAB	L 6032	16	69,962,001	69,966,401	4,400
del	HAB	H 6717	16	70,269,601	70,278,401	8,800
del	LAB	L 6033	16	70,269,801	70,278,601	8,800
del	HAB	H 6718	16	70,369,801	70,384,801	15,000
del	LAB	L 6034	16	70,370,001	70,384,801	14,800
del	HAB	H 6719	16	70,542,601	70,559,401	16,800
del	LAB	L 6035	16	70,543,001	70,559,401	16,400
del	HAB	H 6720	16	70,634,401	70,640,001	5,600
del	LAB	L 6036	16	70,634,601	70,639,801	5,200
del	HAB	H 6721	16	70,781,801	70,785,401	3,600
del	LAB	L 6037	16	70,782,201	70,785,401	3,200
del	LAB	L 6038	16	70,812,401	70,824,601	12,200
del	HAB	H 6722	16	70,817,201	70,824,801	7,600
del	HAB	H 6723	16	70,976,801	70,984,001	7,200
del	LAB	L 6039	16	70,977,201	70,983,601	6,400
del	HAB	H 6724	16	71,147,801	71,160,801	13,000
del	LAB	L 6040	16	71,148,001	71,160,801	12,800
del	LAB	L 6041	16	71,165,001	71,189,201	24,200
del	HAB	H 6725	16	71,167,201	71,189,201	22,000
del	HAB	H 6726	16	71,276,401	71,283,801	7,400
del	LAB	L 6042	16	71,276,601	71,286,401	9,800
del	HAB	H 6727	16	71,476,601	71,482,801	6,200
del	LAB	L 6043	16	71,476,801	71,482,801	6,000
del	HAB	H 6728	16	71,687,201	71,691,801	4,600
del	LAB	L 6044	16	71,687,401	71,691,401	4,000
del	HAB	H 6729	16	72,016,801	72,024,201	7,400
del	LAB	L 6045	16	72,016,801	72,023,801	7,000
del	HAB	H 6730	16	72,591,001	72,596,801	5,800
del	LAB	L 6046	16	72,591,201	72,596,801	5,600
del	HAB	H 6731	16	72,623,801	72,631,201	7,400
del	LAB	L 6047	16	72,623,801	72,630,801	7,000
del	HAB	H 6732	16	73,730,401	73,737,401	7,000
del	LAB	L 6048	16	73,730,601	73,737,201	6,600
del	HAB	H 6733	16	73,992,201	73,999,001	6,800
del	LAB	L 6049	16	73,992,401	73,998,801	6,400
del	HAB	H 6734	16	74,205,801	74,212,801	7,000
del	LAB	L 6050	16	74,206,201	74,212,401	6,200
del	HAB	H 6735	16	74,772,001	74,779,601	7,600
del	LAB	L 6051	16	74,772,401	74,779,201	6,800
del	HAB	H 6736	16	75,634,801	75,642,201	7,400
del	LAB	L 6052	16	75,634,801	75,641,801	7,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6737	16	75,728,001	75,743,601	15,600
del	LAB	L 6053	16	75,728,001	75,743,401	15,400
del	HAB	H 6738	16	76,057,201	76,065,201	8,000
del	LAB	L 6054	16	76,057,401	76,065,001	7,600
del	HAB	H 6739	16	76,135,201	76,144,201	9,000
del	LAB	L 6055	16	76,489,601	76,494,001	4,400
del	HAB	H 6740	16	76,513,201	76,520,001	6,800
del	HAB	H 6741	16	76,794,801	76,801,001	6,200
del	LAB	L 6056	16	76,794,801	76,801,201	6,400
del	HAB	H 6742	16	76,876,401	76,878,601	2,200
del	HAB	H 6743	16	77,117,001	77,122,201	5,200
del	HAB	H 6744	16	77,155,401	77,162,201	6,800
del	HAB	H 6745	16	77,186,801	77,194,201	7,400
del	HAB	H 6746	16	77,918,201	77,926,201	8,000
del	LAB	L 6057	16	77,926,201	77,943,001	16,800
del	HAB	H 6747	16	77,931,401	77,942,601	11,200
del	LAB	L 6058	16	78,350,601	78,357,601	7,000
del	LAB	L 6059	16	78,445,201	78,450,001	4,800
del	HAB	H 6748	16	78,565,601	78,572,601	7,000
del	LAB	L 6060	16	78,565,601	78,572,201	6,600
del	HAB	H 6749	16	78,607,401	78,615,201	7,800
del	LAB	L 6061	16	78,607,601	78,615,001	7,400
del	HAB	H 6750	16	78,814,201	78,820,001	5,800
del	LAB	L 6062	16	78,814,401	78,819,801	5,400
del	HAB	H 6751	16	78,887,201	78,897,001	9,800
del	LAB	L 6063	16	78,887,401	78,897,401	10,000
del	HAB	H 6752	16	79,043,601	79,051,001	7,400
del	LAB	L 6064	16	79,043,801	79,051,401	7,600
del	LAB	L 6065	16	79,195,201	79,198,201	3,000
del	LAB	L 6066	16	79,280,201	79,286,201	6,000
del	LAB	L 6067	16	79,369,001	79,380,801	11,800
del	LAB	L 6068	16	79,498,001	79,501,401	3,400
del	HAB	H 6753	16	79,667,001	79,670,401	3,400
del	LAB	L 6069	16	79,667,201	79,670,201	3,000
del	LAB	L 6070	16	79,728,801	79,735,401	6,600
del	LAB	L 6071	16	79,943,601	79,949,001	5,400
del	LAB	L 6072	16	79,996,201	80,008,001	11,800
del	HAB	H 6754	16	79,999,801	80,008,401	8,600
del	LAB	L 6073	16	80,095,801	80,115,001	19,200
del	HAB	H 6755	16	80,102,201	80,114,801	12,600
del	LAB	L 6074	16	80,288,201	80,295,001	6,800
del	LAB	L 6075	16	80,304,801	80,309,601	4,800
del	LAB	L 6076	16	80,713,001	80,718,801	5,800
del	HAB	H 6756	16	80,751,601	80,760,201	8,600
del	LAB	L 6077	16	80,752,401	80,766,801	14,400
del	LAB	L 6078	16	81,000,601	81,007,201	6,600



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6757	16	81,000,801	81,007,001	6,200
del	HAB	H 6758	16	81,015,601	81,042,001	26,400
del	LAB	L 6079	16	81,015,801	81,042,201	26,400
del	HAB	H 6759	16	82,081,201	82,099,801	18,600
del	LAB	L 6080	16	82,081,401	82,102,001	20,600
del	HAB	H 6760	16	82,237,801	82,243,601	5,800
del	LAB	L 6081	16	82,584,001	82,590,801	6,800
del	LAB	L 6082	16	82,634,201	82,640,801	6,600
del	HAB	H 6761	16	82,635,401	82,640,801	5,400
del	HAB	H 6762	16	82,827,201	82,833,601	6,400
del	HAB	H 6763	16	82,879,601	82,891,201	11,600
del	LAB	L 6083	16	82,879,801	82,890,801	11,000
del	HAB	H 6764	16	83,073,201	83,077,201	4,000
del	HAB	H 6765	16	83,360,601	83,368,201	7,600
del	HAB	H 6766	16	83,493,801	83,501,001	7,200
del	LAB	L 6084	16	83,495,001	83,500,601	5,600
del	LAB	L 6085	16	83,509,801	83,519,801	10,000
del	HAB	H 6767	16	83,748,801	83,751,601	2,800
del	HAB	H 6768	16	83,806,801	83,817,201	10,400
del	HAB	H 6769	16	83,872,401	83,878,201	5,800
del	HAB	H 6770	16	83,950,201	83,957,401	7,200
del	LAB	L 6086	16	83,950,401	83,955,601	5,200
del	HAB	H 6771	16	84,380,601	84,387,201	6,600
del	HAB	H 6772	16	84,435,401	84,451,001	15,600
del	LAB	L 6087	16	84,435,401	84,450,401	15,000
del	HAB	H 6773	16	84,574,201	84,578,401	4,200
del	LAB	L 6088	16	84,930,001	84,937,601	7,600
del	HAB	H 6774	16	84,930,601	84,943,601	13,000
del	LAB	L 6089	16	85,230,201	85,252,601	22,400
del	HAB	H 6775	16	85,230,601	85,252,601	22,000
del	HAB	H 6776	16	85,449,801	85,454,401	4,600
del	LAB	L 6090	16	85,450,601	85,454,401	3,800
del	LAB	L 6091	16	86,858,401	86,862,601	4,200
del	HAB	H 6777	16	86,958,401	86,963,201	4,800
del	HAB	H 6778	16	87,288,201	87,297,201	9,000
del	HAB	H 6779	16	87,372,001	87,376,001	4,000
del	LAB	L 6092	16	87,372,401	87,374,801	2,400
del	HAB	H 6780	16	88,869,801	88,877,001	7,200
del	LAB	L 6093	16	88,870,001	88,878,201	8,200
del	HAB	H 6781	16	89,184,001	89,201,401	17,400
del	LAB	L 6094	16	89,184,201	89,200,601	16,400
del	HAB	H 6782	16	89,239,401	89,277,001	37,600
del	LAB	L 6095	16	89,266,001	89,276,601	10,600
del	HAB	H 6783	16	89,324,001	89,330,401	6,400
del	LAB	L 6096	16	89,324,401	89,330,201	5,800
del	HAB	H 6784	16	90,056,601	90,063,801	7,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6097	16	90,056,801	90,063,601	6,800
del	HAB	H 6785	16	90,293,401	90,297,801	4,400
del	LAB	L 6098	16	90,294,001	90,297,601	3,600
del	HAB	H 6786	16	90,342,001	90,349,801	7,800
del	HAB	H 6787	16	90,572,201	90,576,801	4,600
del	LAB	L 6099	16	90,572,601	90,576,601	4,000
del	HAB	H 6788	16	91,248,401	91,256,001	7,600
del	LAB	L 6100	16	91,248,601	91,256,001	7,400
del	LAB	L 6101	16	93,625,401	93,640,801	15,400
del	HAB	H 6789	16	93,625,801	93,641,001	15,200
del	HAB	H 6790	16	93,698,401	93,706,001	7,600
del	LAB	L 6102	16	93,698,601	93,705,601	7,000
del	HAB	H 6791	16	95,232,401	95,239,201	6,800
del	LAB	L 6103	16	95,232,801	95,239,201	6,400
del	HAB	H 6792	16	95,303,601	95,310,601	7,000
del	LAB	L 6104	16	95,303,801	95,310,201	6,400
del	HAB	H 6793	16	96,224,801	96,233,201	8,400
del	LAB	L 6105	16	96,225,201	96,233,201	8,000
del	HAB	H 6794	16	97,943,201	97,945,201	2,000
del	HAB	H 6795	16	97,992,001	98,000,001	8,000
del	LAB	L 6106	16	97,992,401	98,004,401	12,000
del	HAB	H 6796	17	3,006,601	3,034,201	27,600
del	LAB	L 6107	17	3,006,601	3,036,201	29,600
del	HAB	H 6797	17	3,822,401	3,829,201	6,800
del	LAB	L 6108	17	3,822,801	3,829,201	6,400
del	HAB	H 6798	17	4,082,201	4,088,201	6,000
del	LAB	L 6109	17	4,082,201	4,088,201	6,000
del	HAB	H 6799	17	4,342,201	4,348,801	6,600
del	LAB	L 6110	17	4,342,601	4,348,401	5,800
del	HAB	H 6800	17	5,879,201	5,885,001	5,800
del	LAB	L 6111	17	5,879,401	5,884,801	5,400
del	HAB	H 6801	17	6,344,801	6,350,001	5,200
del	LAB	L 6112	17	6,345,001	6,349,801	4,800
del	HAB	H 6802	17	6,575,001	6,580,801	5,800
del	LAB	L 6113	17	6,575,001	6,580,601	5,600
del	HAB	H 6803	17	6,781,001	6,787,001	6,000
del	LAB	L 6114	17	6,781,201	6,786,801	5,600
del	HAB	H 6804	17	7,136,201	7,142,401	6,200
del	LAB	L 6115	17	7,136,601	7,142,401	5,800
del	HAB	H 6805	17	7,920,401	7,923,201	2,800
del	LAB	L 6116	17	7,920,601	7,923,201	2,600
del	HAB	H 6806	17	8,099,801	8,106,001	6,200
del	LAB	L 6117	17	8,099,801	8,106,201	6,400
del	HAB	H 6807	17	8,130,401	8,134,201	3,800
del	LAB	L 6118	17	8,130,601	8,134,401	3,800
del	HAB	H 6808	17	8,182,801	8,186,601	3,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6119	17	8,182,801	8,186,401	3,600
del	HAB	H 6809	17	8,408,801	8,416,001	7,200
del	LAB	L 6120	17	8,408,801	8,416,001	7,200
del	HAB	H 6810	17	8,524,201	8,530,601	6,400
del	LAB	L 6121	17	8,524,401	8,530,401	6,000
del	HAB	H 6811	17	8,753,201	8,760,201	7,000
del	LAB	L 6122	17	8,753,601	8,760,201	6,600
del	LAB	L 6123	17	8,885,201	8,889,801	4,600
del	HAB	H 6812	17	8,885,401	8,890,001	4,600
del	HAB	H 6813	17	9,973,201	9,980,601	7,400
del	LAB	L 6124	17	9,973,601	9,980,401	6,800
del	HAB	H 6814	17	9,997,801	10,005,001	7,200
del	LAB	L 6125	17	9,998,001	10,004,801	6,800
del	HAB	H 6815	17	11,154,401	11,167,601	13,200
del	LAB	L 6126	17	11,154,601	11,167,401	12,800
del	HAB	H 6816	17	11,180,601	11,191,601	11,000
del	LAB	L 6127	17	11,181,001	11,191,201	10,200
del	HAB	H 6817	17	11,290,801	11,297,801	7,000
del	LAB	L 6128	17	11,290,801	11,297,601	6,800
del	LAB	L 6129	17	12,209,201	12,215,201	6,000
del	HAB	H 6818	17	13,271,601	13,283,801	12,200
del	LAB	L 6130	17	13,275,601	13,283,601	8,000
del	HAB	H 6819	17	13,345,401	13,361,601	16,200
del	LAB	L 6131	17	13,346,201	13,361,601	15,400
del	HAB	H 6820	17	13,435,001	13,442,401	7,400
del	LAB	L 6132	17	13,435,401	13,442,201	6,800
del	LAB	L 6133	17	13,605,601	13,624,601	19,000
del	HAB	H 6821	17	13,605,801	13,625,001	19,200
del	HAB	H 6822	17	13,673,801	13,678,201	4,400
del	HAB	H 6823	17	14,209,601	14,237,201	27,600
del	HAB	H 6824	17	14,717,401	14,723,801	6,400
del	HAB	H 6825	17	15,440,401	15,444,001	3,600
del	LAB	L 6134	17	15,441,001	15,443,801	2,800
del	HAB	H 6826	17	15,623,401	15,626,201	2,800
del	LAB	L 6135	17	15,623,601	15,626,201	2,600
del	LAB	L 6136	17	15,740,001	15,749,201	9,200
del	HAB	H 6827	17	15,741,001	15,745,001	4,000
del	HAB	H 6828	17	16,164,801	16,183,601	18,800
del	LAB	L 6137	17	16,167,801	16,184,401	16,600
del	HAB	H 6829	17	16,250,601	16,273,401	22,800
del	LAB	L 6138	17	16,250,601	16,273,201	22,600
del	HAB	H 6830	17	16,403,201	16,409,601	6,400
del	HAB	H 6831	17	16,525,201	16,548,201	23,000
del	HAB	H 6832	17	17,134,801	17,157,401	22,600
del	HAB	H 6833	17	17,234,601	17,243,201	8,600
del	HAB	H 6834	17	17,250,401	17,263,001	12,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6835	17	17,291,801	17,299,801	8,000
del	HAB	H 6836	17	17,382,601	17,392,601	10,000
del	HAB	H 6837	17	17,412,601	17,434,601	22,000
del	LAB	L 6139	17	17,418,601	17,423,201	4,600
del	HAB	H 6838	17	17,609,801	17,616,001	6,200
del	HAB	H 6839	17	17,690,801	17,698,401	7,600
del	HAB	H 6840	17	18,250,401	18,266,601	16,200
del	LAB	L 6140	17	18,250,401	18,263,201	12,800
del	HAB	H 6841	17	18,330,001	18,335,601	5,600
del	LAB	L 6141	17	18,330,001	18,335,601	5,600
del	HAB	H 6842	17	18,683,001	18,687,401	4,400
del	HAB	H 6843	17	18,738,001	18,745,201	7,200
del	HAB	H 6844	17	18,870,801	18,881,401	10,600
del	HAB	H 6845	17	18,979,001	18,989,201	10,200
del	LAB	L 6142	17	18,981,801	18,987,001	5,200
del	HAB	H 6846	17	19,034,001	19,039,801	5,800
del	LAB	L 6143	17	19,034,401	19,039,401	5,000
del	HAB	H 6847	17	19,130,401	19,135,401	5,000
del	HAB	H 6848	17	19,240,601	19,253,401	12,800
del	LAB	L 6144	17	19,246,001	19,270,001	24,000
del	HAB	H 6849	17	19,729,601	19,736,401	6,800
del	HAB	H 6850	17	20,027,201	20,034,401	7,200
del	LAB	L 6145	17	20,027,401	20,032,001	4,600
del	HAB	H 6851	17	20,150,801	20,163,001	12,200
del	LAB	L 6146	17	20,151,001	20,162,801	11,800
del	HAB	H 6852	17	20,523,201	20,531,801	8,600
del	LAB	L 6147	17	20,523,201	20,531,201	8,000
del	LAB	L 6148	17	20,770,801	20,777,401	6,600
del	HAB	H 6853	17	20,771,001	20,782,801	11,800
del	HAB	H 6854	17	20,839,601	20,856,601	17,000
del	LAB	L 6149	17	20,845,401	20,856,601	11,200
del	HAB	H 6855	17	21,392,401	21,418,001	25,600
del	HAB	H 6856	17	21,475,401	21,493,401	18,000
del	LAB	L 6150	17	21,476,001	21,483,401	7,400
del	HAB	H 6857	17	21,679,801	21,689,401	9,600
del	HAB	H 6858	17	21,735,001	21,746,201	11,200
del	HAB	H 6859	17	22,051,801	22,059,201	7,400
del	LAB	L 6151	17	22,052,201	22,058,801	6,600
del	HAB	H 6860	17	22,192,601	22,195,801	3,200
del	HAB	H 6861	17	22,248,201	22,276,001	27,800
del	LAB	L 6152	17	22,249,401	22,274,801	25,400
del	HAB	H 6862	17	22,341,201	22,360,801	19,600
del	HAB	H 6863	17	22,367,201	22,403,801	36,600
del	HAB	H 6864	17	22,600,201	22,619,001	18,800
del	LAB	L 6153	17	22,600,201	22,615,401	15,200
del	HAB	H 6865	17	22,624,401	22,632,001	7,600

type	mouse line	no.	chr	start	end	size
del	HAB	H 6866	17	22,666,401	22,683,401	17,000
del	HAB	H 6867	17	22,768,201	22,792,401	24,200
del	HAB	H 6868	17	22,839,601	22,847,001	7,400
del	HAB	H 6869	17	22,961,201	22,975,801	14,600
del	LAB	L 6154	17	22,961,201	22,975,601	14,400
del	HAB	H 6870	17	23,036,601	23,048,001	11,400
del	LAB	L 6155	17	23,036,801	23,048,201	11,400
del	LAB	L 6156	17	23,095,801	23,099,201	3,400
del	HAB	H 6871	17	23,098,801	23,122,801	24,000
del	LAB	L 6157	17	23,214,401	23,218,201	3,800
del	HAB	H 6872	17	23,255,801	23,273,201	17,400
del	HAB	H 6873	17	23,381,601	23,401,201	19,600
del	LAB	L 6158	17	23,386,601	23,400,801	14,200
del	HAB	H 6874	17	23,453,401	23,471,401	18,000
del	LAB	L 6159	17	23,454,601	23,467,201	12,600
del	HAB	H 6875	17	23,505,001	23,515,401	10,400
del	HAB	H 6876	17	23,601,001	23,611,201	10,200
del	LAB	L 6160	17	23,601,001	23,611,001	10,000
del	HAB	H 6877	17	23,631,801	23,648,401	16,600
del	LAB	L 6161	17	23,635,001	23,647,801	12,800
del	HAB	H 6878	17	23,823,001	23,829,401	6,400
del	LAB	L 6162	17	23,823,201	23,829,001	5,800
del	HAB	H 6879	17	24,018,401	24,058,001	39,600
del	LAB	L 6163	17	24,021,401	24,058,801	37,400
del	HAB	H 6880	17	24,396,601	24,399,601	3,000
del	LAB	L 6164	17	24,397,001	24,399,401	2,400
del	HAB	H 6881	17	29,238,001	29,246,001	8,000
del	LAB	L 6165	17	29,238,001	29,245,601	7,600
del	HAB	H 6882	17	30,175,801	30,178,801	3,000
del	LAB	L 6166	17	30,760,601	30,765,801	5,200
del	HAB	H 6883	17	30,760,801	30,765,401	4,600
del	LAB	L 6167	17	31,936,001	31,938,601	2,600
del	HAB	H 6884	17	32,506,401	32,513,601	7,200
del	LAB	L 6168	17	32,506,401	32,513,201	6,800
del	HAB	H 6885	17	32,690,601	32,717,201	26,600
del	HAB	H 6886	17	32,732,001	32,735,201	3,200
del	HAB	H 6887	17	33,188,201	33,195,401	7,200
del	LAB	L 6169	17	33,190,401	33,195,001	4,600
del	HAB	H 6888	17	33,415,401	33,422,601	7,200
del	LAB	L 6170	17	33,415,401	33,422,401	7,000
del	LAB	L 6171	17	33,545,601	33,564,801	19,200
del	HAB	H 6889	17	33,545,801	33,563,801	18,000
del	HAB	H 6890	17	33,754,801	33,762,601	7,800
del	LAB	L 6172	17	33,755,001	33,762,201	7,200
del	HAB	H 6891	17	33,869,801	33,877,801	8,000
del	LAB	L 6173	17	33,874,401	33,877,801	3,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6892	17	34,003,801	34,013,001	9,200
del	LAB	L 6174	17	34,004,001	34,013,001	9,000
del	LAB	L 6175	17	34,283,401	34,294,801	11,400
del	HAB	H 6893	17	34,283,601	34,294,001	10,400
del	HAB	H 6894	17	34,356,401	34,370,201	13,800
del	LAB	L 6176	17	34,356,401	34,369,601	13,200
del	HAB	H 6895	17	34,611,801	34,683,601	71,800
del	LAB	L 6177	17	34,612,401	34,683,601	71,200
del	HAB	H 6896	17	35,405,601	35,536,201	130,600
del	LAB	L 6178	17	35,406,401	35,517,801	111,400
del	HAB	H 6897	17	35,615,001	35,620,601	5,600
del	LAB	L 6179	17	35,615,201	35,620,401	5,200
del	LAB	L 6180	17	36,144,401	36,151,001	6,600
del	LAB	L 6181	17	36,172,601	36,344,401	171,800
del	HAB	H 6898	17	36,186,601	36,192,601	6,000
del	LAB	L 6182	17	36,429,201	36,490,401	61,200
del	LAB	L 6183	17	36,611,201	36,626,801	15,600
del	LAB	L 6184	17	36,657,401	36,664,201	6,800
del	HAB	H 6899	17	36,742,201	36,748,201	6,000
del	LAB	L 6185	17	36,742,201	36,764,401	22,200
del	LAB	L 6186	17	36,844,601	36,856,001	11,400
del	HAB	H 6900	17	36,848,001	36,855,801	7,800
del	LAB	L 6187	17	36,879,001	36,900,001	21,000
del	HAB	H 6901	17	36,879,401	36,885,601	6,200
del	HAB	H 6902	17	37,425,201	37,430,001	4,800
del	HAB	H 6903	17	37,481,601	37,490,001	8,400
del	LAB	L 6188	17	37,481,601	37,490,001	8,400
del	LAB	L 6189	17	37,555,801	37,582,201	26,400
del	HAB	H 6904	17	37,556,001	37,583,001	27,000
del	HAB	H 6905	17	37,816,801	37,824,201	7,400
del	LAB	L 6190	17	37,817,201	37,824,001	6,800
del	HAB	H 6906	17	38,358,801	38,403,601	44,800
del	LAB	L 6191	17	38,359,201	38,395,201	36,000
del	LAB	L 6192	17	38,424,801	38,434,001	9,200
del	HAB	H 6907	17	38,425,201	38,433,601	8,400
del	LAB	L 6193	17	38,671,001	38,677,001	6,000
del	HAB	H 6908	17	39,014,601	39,048,201	33,600
del	LAB	L 6194	17	39,024,201	39,047,201	23,000
del	HAB	H 6909	17	39,273,401	39,283,201	9,800
del	LAB	L 6195	17	39,273,801	39,282,401	8,600
del	HAB	H 6910	17	39,585,801	39,608,001	22,200
del	LAB	L 6196	17	39,585,801	39,608,401	22,600
del	LAB	L 6197	17	39,686,801	39,692,801	6,000
del	HAB	H 6911	17	39,687,001	39,693,401	6,400
del	HAB	H 6912	17	39,791,801	39,797,801	6,000
del	LAB	L 6198	17	39,791,801	39,798,001	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6913	17	39,812,601	39,818,801	6,200
del	LAB	L 6199	17	39,812,601	39,818,801	6,200
del	HAB	H 6914	17	40,293,601	40,307,401	13,800
del	LAB	L 6200	17	40,293,601	40,308,601	15,000
del	HAB	H 6915	17	40,315,001	40,321,001	6,000
del	LAB	L 6201	17	40,315,601	40,321,001	5,400
del	LAB	L 6202	17	40,506,401	40,521,401	15,000
del	HAB	H 6916	17	40,506,801	40,522,201	15,400
del	LAB	L 6203	17	40,746,401	40,755,801	9,400
del	HAB	H 6917	17	40,747,001	40,760,201	13,200
del	HAB	H 6918	17	40,781,601	40,785,001	3,400
del	LAB	L 6204	17	40,781,801	40,783,801	2,000
del	HAB	H 6919	17	40,811,601	40,843,201	31,600
del	LAB	L 6205	17	40,811,601	40,843,601	32,000
del	HAB	H 6920	17	40,883,601	40,895,801	12,200
del	LAB	L 6206	17	40,883,601	40,895,801	12,200
del	HAB	H 6921	17	41,108,601	41,116,601	8,000
del	LAB	L 6207	17	41,108,601	41,115,201	6,600
del	LAB	L 6208	17	41,177,401	41,191,601	14,200
del	HAB	H 6922	17	41,180,801	41,192,201	11,400
del	HAB	H 6923	17	41,442,401	41,457,401	15,000
del	LAB	L 6209	17	41,442,401	41,449,001	6,600
del	LAB	L 6210	17	41,524,201	41,533,001	8,800
del	HAB	H 6924	17	41,524,601	41,532,401	7,800
del	HAB	H 6925	17	41,710,801	41,715,801	5,000
del	LAB	L 6211	17	41,711,601	41,715,201	3,600
del	HAB	H 6926	17	41,725,601	41,729,401	3,800
del	LAB	L 6212	17	41,725,601	41,734,601	9,000
del	LAB	L 6213	17	41,791,001	41,801,001	10,000
del	HAB	H 6927	17	41,791,201	41,801,201	10,000
del	HAB	H 6928	17	41,843,001	41,860,401	17,400
del	LAB	L 6214	17	41,847,001	41,860,601	13,600
del	HAB	H 6929	17	41,907,601	41,919,801	12,200
del	LAB	L 6215	17	41,907,801	41,915,601	7,800
del	HAB	H 6930	17	41,989,001	42,000,601	11,600
del	LAB	L 6216	17	41,989,001	42,000,601	11,600
del	LAB	L 6217	17	42,007,801	42,017,801	10,000
del	HAB	H 6931	17	42,057,401	42,062,801	5,400
del	LAB	L 6218	17	42,118,001	42,124,401	6,400
del	HAB	H 6932	17	42,135,401	42,158,201	22,800
del	LAB	L 6219	17	42,136,201	42,157,801	21,600
del	HAB	H 6933	17	42,209,001	42,220,601	11,600
del	LAB	L 6220	17	42,310,801	42,316,601	5,800
del	HAB	H 6934	17	42,311,001	42,316,801	5,800
del	LAB	L 6221	17	42,737,201	42,739,401	2,200
del	HAB	H 6935	17	42,895,401	42,912,201	16,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6222	17	42,895,601	42,911,801	16,200
del	HAB	H 6936	17	43,026,801	43,032,801	6,000
del	LAB	L 6223	17	43,027,001	43,032,401	5,400
del	HAB	H 6937	17	43,317,801	43,325,001	7,200
del	LAB	L 6224	17	43,318,001	43,325,001	7,000
del	LAB	L 6225	17	43,599,401	43,602,401	3,000
del	LAB	L 6226	17	44,075,801	44,081,801	6,000
del	HAB	H 6938	17	44,246,001	44,252,201	6,200
del	LAB	L 6227	17	44,246,401	44,251,801	5,400
del	LAB	L 6228	17	44,272,401	44,280,401	8,000
del	HAB	H 6939	17	44,989,801	44,993,201	3,400
del	LAB	L 6229	17	45,153,801	45,163,201	9,400
del	HAB	H 6940	17	45,158,001	45,163,201	5,200
del	HAB	H 6941	17	45,240,801	45,248,001	7,200
del	LAB	L 6230	17	45,240,801	45,247,801	7,000
del	HAB	H 6942	17	45,333,801	45,342,001	8,200
del	LAB	L 6231	17	45,334,001	45,342,001	8,000
del	HAB	H 6943	17	45,781,201	45,787,201	6,000
del	LAB	L 6232	17	45,781,801	45,786,801	5,000
del	LAB	L 6233	17	46,454,001	46,457,001	3,000
del	HAB	H 6944	17	47,215,001	47,222,001	7,000
del	LAB	L 6234	17	47,215,401	47,222,001	6,600
del	HAB	H 6945	17	48,209,001	48,216,601	7,600
del	LAB	L 6235	17	48,209,001	48,216,401	7,400
del	HAB	H 6946	17	48,252,001	48,262,601	10,600
del	HAB	H 6947	17	48,272,401	48,305,401	33,000
del	LAB	L 6236	17	48,272,601	48,306,201	33,600
del	HAB	H 6948	17	48,311,001	48,318,001	7,000
del	LAB	L 6237	17	48,311,001	48,318,001	7,000
del	LAB	L 6238	17	48,331,201	48,339,401	8,200
del	HAB	H 6949	17	48,331,601	48,339,601	8,000
del	LAB	L 6239	17	48,344,201	48,349,201	5,000
del	HAB	H 6950	17	48,344,401	48,348,601	4,200
del	HAB	H 6951	17	48,355,601	48,368,401	12,800
del	LAB	L 6240	17	48,355,601	48,359,401	3,800
del	HAB	H 6952	17	49,580,401	49,588,201	7,800
del	LAB	L 6241	17	49,580,401	49,588,201	7,800
del	LAB	L 6242	17	50,056,601	50,060,401	3,800
del	HAB	H 6953	17	50,213,801	50,218,401	4,600
del	LAB	L 6243	17	50,214,201	50,218,001	3,800
del	LAB	L 6244	17	50,799,601	50,804,401	4,800
del	HAB	H 6954	17	50,799,801	50,805,001	5,200
del	HAB	H 6955	17	51,072,001	51,079,201	7,200
del	LAB	L 6245	17	51,072,201	51,080,201	8,000
del	HAB	H 6956	17	52,003,601	52,011,001	7,400
del	LAB	L 6246	17	52,003,801	52,010,801	7,000



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 6957	17	52,228,601	52,236,001	7,400
del	LAB	L 6247	17	52,229,001	52,235,401	6,400
del	HAB	H 6958	17	52,510,201	52,520,801	10,600
del	LAB	L 6248	17	52,511,401	52,521,201	9,800
del	HAB	H 6959	17	52,611,401	52,620,801	9,400
del	LAB	L 6249	17	52,611,601	52,618,201	6,600
del	HAB	H 6960	17	53,063,201	53,068,401	5,200
del	LAB	L 6250	17	53,063,401	53,068,401	5,000
del	HAB	H 6961	17	53,081,801	53,087,001	5,200
del	LAB	L 6251	17	53,081,801	53,087,001	5,200
del	HAB	H 6962	17	53,146,001	53,156,201	10,200
del	LAB	L 6252	17	53,146,001	53,155,801	9,800
del	HAB	H 6963	17	53,247,001	53,260,201	13,200
del	LAB	L 6253	17	53,247,201	53,259,201	12,000
del	LAB	L 6254	17	53,290,001	53,296,201	6,200
del	HAB	H 6964	17	53,290,601	53,296,201	5,600
del	HAB	H 6965	17	53,413,201	53,421,401	8,200
del	LAB	L 6255	17	53,413,801	53,420,001	6,200
del	HAB	H 6966	17	53,506,401	53,511,601	5,200
del	LAB	L 6256	17	53,506,801	53,511,601	4,800
del	HAB	H 6967	17	53,741,601	53,750,001	8,400
del	LAB	L 6257	17	53,741,801	53,750,001	8,200
del	HAB	H 6968	17	53,874,801	53,893,801	19,000
del	LAB	L 6258	17	53,874,801	53,897,201	22,400
del	HAB	H 6969	17	53,949,601	53,963,201	13,600
del	LAB	L 6259	17	53,949,801	53,963,001	13,200
del	HAB	H 6970	17	53,990,001	53,996,401	6,400
del	LAB	L 6260	17	53,990,601	53,996,601	6,000
del	LAB	L 6261	17	54,037,401	54,047,001	9,600
del	LAB	L 6262	17	54,068,801	54,076,401	7,600
del	HAB	H 6971	17	54,071,401	54,076,201	4,800
del	HAB	H 6972	17	54,121,601	54,124,801	3,200
del	LAB	L 6263	17	54,122,001	54,124,601	2,600
del	HAB	H 6973	17	54,230,201	54,273,601	43,400
del	LAB	L 6264	17	54,230,601	54,273,801	43,200
del	HAB	H 6974	17	54,371,401	54,377,801	6,400
del	LAB	L 6265	17	54,371,401	54,377,801	6,400
del	HAB	H 6975	17	54,396,601	54,403,401	6,800
del	LAB	L 6266	17	54,396,801	54,403,601	6,800
del	HAB	H 6976	17	54,532,801	54,535,401	2,600
del	HAB	H 6977	17	54,564,201	54,567,001	2,800
del	LAB	L 6267	17	54,564,201	54,566,601	2,400
del	HAB	H 6978	17	54,643,401	54,646,401	3,000
del	LAB	L 6268	17	54,643,601	54,647,401	3,800
del	HAB	H 6979	17	54,670,201	54,675,801	5,600
del	LAB	L 6269	17	54,670,201	54,675,601	5,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6270	17	54,708,001	54,718,801	10,800
del	HAB	H 6980	17	54,711,201	54,718,801	7,600
del	HAB	H 6981	17	54,898,801	54,901,801	3,000
del	LAB	L 6271	17	54,899,001	54,901,801	2,800
del	HAB	H 6982	17	55,132,801	55,139,201	6,400
del	LAB	L 6272	17	55,132,801	55,139,001	6,200
del	HAB	H 6983	17	55,303,801	55,327,401	23,600
del	LAB	L 6273	17	55,305,201	55,329,001	23,800
del	HAB	H 6984	17	55,439,001	55,449,201	10,200
del	LAB	L 6274	17	55,439,401	55,448,801	9,400
del	LAB	L 6275	17	55,482,401	55,490,001	7,600
del	HAB	H 6985	17	55,483,601	55,490,401	6,800
del	HAB	H 6986	17	55,516,601	55,538,601	22,000
del	LAB	L 6276	17	55,523,401	55,538,601	15,200
del	LAB	L 6277	17	55,676,801	55,697,601	20,800
del	HAB	H 6987	17	55,677,001	55,697,601	20,600
del	HAB	H 6988	17	55,711,401	55,723,601	12,200
del	LAB	L 6278	17	55,711,401	55,723,201	11,800
del	HAB	H 6989	17	55,769,201	55,776,601	7,400
del	LAB	L 6279	17	55,769,601	55,776,201	6,600
del	HAB	H 6990	17	55,816,001	55,819,801	3,800
del	LAB	L 6280	17	55,816,201	55,819,601	3,400
del	HAB	H 6991	17	55,968,601	55,977,401	8,800
del	LAB	L 6281	17	55,969,001	55,976,801	7,800
del	HAB	H 6992	17	57,504,001	57,537,401	33,400
del	LAB	L 6282	17	57,504,201	57,537,601	33,400
del	HAB	H 6993	17	57,564,201	57,575,001	10,800
del	LAB	L 6283	17	57,564,401	57,575,001	10,600
del	LAB	L 6284	17	57,629,801	57,635,201	5,400
del	HAB	H 6994	17	57,630,001	57,634,601	4,600
del	HAB	H 6995	17	57,755,801	57,762,601	6,800
del	LAB	L 6285	17	57,755,801	57,762,601	6,800
del	LAB	L 6286	17	57,787,201	57,802,001	14,800
del	HAB	H 6996	17	57,787,401	57,802,201	14,800
del	HAB	H 6997	17	57,833,201	57,851,601	18,400
del	LAB	L 6287	17	57,833,401	57,851,401	18,000
del	HAB	H 6998	17	57,866,201	57,878,801	12,600
del	LAB	L 6288	17	57,866,201	57,878,801	12,600
del	HAB	H 6999	17	58,455,601	58,459,601	4,000
del	LAB	L 6289	17	58,456,401	58,459,401	3,000
del	HAB	H 7000	17	58,652,801	58,664,001	11,200
del	LAB	L 6290	17	58,652,801	58,691,801	39,000
del	HAB	H 7001	17	58,674,801	58,692,001	17,200
del	HAB	H 7002	17	58,863,001	58,868,801	5,800
del	LAB	L 6291	17	58,863,001	58,868,601	5,600
del	LAB	L 6292	17	59,354,801	59,357,801	3,000

type	mouse line	no.	chr	start	end	size
del	LAB	L 6293	17	59,716,401	59,722,601	6,200
del	HAB	H 7003	17	60,004,201	60,009,001	4,800
del	LAB	L 6294	17	60,004,201	60,009,401	5,200
del	LAB	L 6295	17	60,168,801	60,173,001	4,200
del	LAB	L 6296	17	60,409,001	60,438,001	29,000
del	LAB	L 6297	17	60,444,001	60,450,801	6,800
del	LAB	L 6298	17	60,526,801	60,531,201	4,400
del	HAB	H 7004	17	60,527,001	60,531,601	4,600
del	LAB	L 6299	17	60,920,601	60,936,801	16,200
del	HAB	H 7005	17	60,921,001	60,936,001	15,000
del	LAB	L 6300	17	60,970,401	60,980,801	10,400
del	LAB	L 6301	17	61,153,401	61,164,601	11,200
del	HAB	H 7006	17	61,153,601	61,164,601	11,000
del	HAB	H 7007	17	61,514,401	61,527,401	13,000
del	LAB	L 6302	17	61,514,601	61,528,001	13,400
del	LAB	L 6303	17	61,639,801	61,643,801	4,000
del	LAB	L 6304	17	61,854,601	61,862,001	7,400
del	HAB	H 7008	17	61,856,201	61,862,001	5,800
del	HAB	H 7009	17	62,085,001	62,091,201	6,200
del	HAB	H 7010	17	62,738,601	62,748,801	10,200
del	LAB	L 6305	17	62,738,801	62,748,601	9,800
del	HAB	H 7011	17	64,693,401	64,698,001	4,600
del	LAB	L 6306	17	64,693,401	64,698,201	4,800
del	HAB	H 7012	17	65,503,801	65,511,201	7,400
del	LAB	L 6307	17	65,504,001	65,511,401	7,400
del	HAB	H 7013	17	65,680,401	65,688,801	8,400
del	LAB	L 6308	17	65,680,801	65,692,801	12,000
del	HAB	H 7014	17	65,803,601	65,822,001	18,400
del	LAB	L 6309	17	65,803,801	65,822,201	18,400
del	HAB	H 7015	17	66,364,601	66,369,801	5,200
del	HAB	H 7016	17	66,652,401	66,660,601	8,200
del	LAB	L 6310	17	66,652,401	66,663,001	10,600
del	HAB	H 7017	17	68,177,601	68,184,801	7,200
del	LAB	L 6311	17	68,178,001	68,184,201	6,200
del	LAB	L 6312	17	69,291,201	69,298,201	7,000
del	HAB	H 7018	17	69,291,401	69,297,801	6,400
del	HAB	H 7019	17	69,678,201	69,686,401	8,200
del	LAB	L 6313	17	69,679,201	69,687,001	7,800
del	HAB	H 7020	17	69,875,401	69,897,201	21,800
del	LAB	L 6314	17	69,884,601	69,905,001	20,400
del	HAB	H 7021	17	70,498,001	70,506,401	8,400
del	LAB	L 6315	17	70,498,801	70,504,001	5,200
del	HAB	H 7022	17	70,573,001	70,592,401	19,400
del	LAB	L 6316	17	70,576,801	70,592,001	15,200
del	HAB	H 7023	17	70,673,001	70,679,401	6,400
del	HAB	H 7024	17	72,924,401	72,929,001	4,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7025	17	72,964,801	72,969,001	4,200
del	HAB	H 7026	17	72,977,201	72,990,201	13,000
del	LAB	L 6317	17	72,984,401	72,990,201	5,800
del	HAB	H 7027	17	74,205,201	74,212,601	7,400
del	LAB	L 6318	17	74,205,401	74,212,601	7,200
del	HAB	H 7028	17	74,235,801	74,239,201	3,400
del	LAB	L 6319	17	74,236,201	74,239,001	2,800
del	HAB	H 7029	17	74,521,801	74,571,201	49,400
del	LAB	L 6320	17	74,522,001	74,570,801	48,800
del	HAB	H 7030	17	75,124,001	75,127,401	3,400
del	HAB	H 7031	17	75,158,401	75,165,801	7,400
del	LAB	L 6321	17	75,158,401	75,165,401	7,000
del	HAB	H 7032	17	75,291,601	75,312,201	20,600
del	LAB	L 6322	17	75,291,601	75,311,801	20,200
del	LAB	L 6323	17	75,799,201	75,805,201	6,000
del	HAB	H 7033	17	75,823,401	75,830,201	6,800
del	HAB	H 7034	17	76,296,401	76,302,201	5,800
del	HAB	H 7035	17	76,337,001	76,343,401	6,400
del	HAB	H 7036	17	76,437,401	76,449,801	12,400
del	LAB	L 6324	17	76,600,801	76,617,801	17,000
del	HAB	H 7037	17	76,601,401	76,618,401	17,000
del	LAB	L 6325	17	77,066,801	77,073,201	6,400
del	HAB	H 7038	17	78,231,201	78,240,401	9,200
del	LAB	L 6326	17	78,231,601	78,240,401	8,800
del	HAB	H 7039	17	78,869,801	78,876,001	6,200
del	LAB	L 6327	17	78,870,201	78,876,001	5,800
del	HAB	H 7040	17	79,179,601	79,187,601	8,000
del	LAB	L 6328	17	79,179,601	79,187,601	8,000
del	HAB	H 7041	17	79,443,601	79,449,801	6,200
del	LAB	L 6329	17	79,443,601	79,449,801	6,200
del	LAB	L 6330	17	79,617,801	79,622,601	4,800
del	LAB	L 6331	17	79,796,601	79,809,801	13,200
del	HAB	H 7042	17	79,800,601	79,810,201	9,600
del	LAB	L 6332	17	79,916,801	79,919,201	2,400
del	LAB	L 6333	17	81,253,401	81,260,201	6,800
del	HAB	H 7043	17	81,555,401	81,563,201	7,800
del	LAB	L 6334	17	81,555,801	81,563,001	7,200
del	HAB	H 7044	17	81,631,001	81,645,401	14,400
del	LAB	L 6335	17	81,631,401	81,645,601	14,200
del	HAB	H 7045	17	81,746,601	81,753,801	7,200
del	LAB	L 6336	17	81,747,001	81,753,401	6,400
del	HAB	H 7046	17	82,088,201	82,092,801	4,600
del	LAB	L 6337	17	82,088,401	82,092,401	4,000
del	HAB	H 7047	17	83,077,001	83,093,001	16,000
del	LAB	L 6338	17	83,078,001	83,093,801	15,800
del	HAB	H 7048	17	83,148,801	83,152,201	3,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7049	17	83,381,601	83,391,201	9,600
del	LAB	L 6339	17	83,381,801	83,390,801	9,000
del	HAB	H 7050	17	83,539,601	83,548,601	9,000
del	LAB	L 6340	17	83,539,601	83,551,601	12,000
del	HAB	H 7051	17	83,655,401	83,660,001	4,600
del	LAB	L 6341	17	83,655,801	83,660,001	4,200
del	HAB	H 7052	17	84,858,601	84,863,601	5,000
del	LAB	L 6342	17	84,858,601	84,863,401	4,800
del	HAB	H 7053	17	85,282,201	85,287,401	5,200
del	LAB	L 6343	17	85,282,401	85,287,201	4,800
del	HAB	H 7054	17	88,148,001	88,153,401	5,400
del	LAB	L 6344	17	88,148,201	88,153,401	5,200
del	LAB	L 6345	17	88,791,801	88,794,601	2,800
del	HAB	H 7055	17	88,900,201	88,904,001	3,800
del	LAB	L 6346	17	88,900,201	88,903,401	3,200
del	HAB	H 7056	17	89,012,001	89,020,201	8,200
del	LAB	L 6347	17	89,016,601	89,019,801	3,200
del	HAB	H 7057	17	89,121,601	89,130,801	9,200
del	LAB	L 6348	17	89,122,001	89,131,001	9,000
del	HAB	H 7058	17	89,879,201	89,887,001	7,800
del	LAB	L 6349	17	89,879,401	89,890,001	10,600
del	HAB	H 7059	17	90,192,001	90,196,601	4,600
del	LAB	L 6350	17	90,192,601	90,196,601	4,000
del	HAB	H 7060	17	90,210,801	90,222,601	11,800
del	LAB	L 6351	17	90,211,001	90,222,401	11,400
del	HAB	H 7061	17	90,233,201	90,243,801	10,600
del	LAB	L 6352	17	90,233,201	90,247,401	14,200
del	HAB	H 7062	17	90,334,601	90,343,001	8,400
del	LAB	L 6353	17	90,334,801	90,342,401	7,600
del	HAB	H 7063	17	90,420,401	90,429,001	8,600
del	LAB	L 6354	17	90,421,001	90,429,001	8,000
del	LAB	L 6355	17	90,502,201	90,508,201	6,000
del	HAB	H 7064	17	90,503,801	90,507,201	3,400
del	LAB	L 6356	17	91,880,801	91,888,801	8,000
del	LAB	L 6357	17	91,924,201	91,933,001	8,800
del	HAB	H 7065	17	91,946,601	91,952,601	6,000
del	LAB	L 6358	17	91,946,601	91,957,601	11,000
del	LAB	L 6359	17	92,124,201	92,130,601	6,400
del	HAB	H 7066	17	92,229,201	92,236,601	7,400
del	LAB	L 6360	17	92,229,401	92,236,401	7,000
del	HAB	H 7067	17	92,354,001	92,358,001	4,000
del	HAB	H 7068	17	92,437,801	92,440,801	3,000
del	HAB	H 7069	17	92,479,801	92,483,601	3,800
del	HAB	H 7070	17	92,577,601	92,593,601	16,000
del	LAB	L 6361	17	92,578,001	92,593,601	15,600
del	HAB	H 7071	17	92,640,001	92,663,801	23,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6362	17	92,640,001	92,663,601	23,600
del	LAB	L 6363	17	92,693,601	92,701,601	8,000
del	LAB	L 6364	17	92,717,801	92,724,001	6,200
del	HAB	H 7072	17	92,718,001	92,724,001	6,000
del	LAB	L 6365	17	92,821,201	92,837,801	16,600
del	LAB	L 6366	17	92,851,401	92,858,201	6,800
del	LAB	L 6367	17	92,867,201	92,877,001	9,800
del	LAB	L 6368	17	92,911,401	92,922,801	11,400
del	HAB	H 7073	17	92,911,601	92,917,801	6,200
del	LAB	L 6369	17	93,093,201	93,101,801	8,600
del	LAB	L 6370	17	93,378,201	93,391,401	13,200
del	HAB	H 7074	17	93,416,601	93,426,201	9,600
del	LAB	L 6371	17	93,416,601	93,423,801	7,200
del	LAB	L 6372	17	93,441,201	93,445,001	3,800
del	LAB	L 6373	17	93,548,001	93,551,201	3,200
del	HAB	H 7075	17	93,895,201	93,903,201	8,000
del	LAB	L 6374	17	93,895,201	93,902,601	7,400
del	HAB	H 7076	17	94,150,001	94,155,601	5,600
del	LAB	L 6375	17	94,150,001	94,155,401	5,400
del	HAB	H 7077	17	94,695,601	94,710,401	14,800
del	LAB	L 6376	17	94,696,201	94,710,201	14,000
del	LAB	L 6377	17	94,853,201	94,858,801	5,600
del	HAB	H 7078	17	94,853,401	94,859,001	5,600
del	LAB	L 6378	17	94,901,401	94,910,601	9,200
del	HAB	H 7079	17	94,901,601	94,911,001	9,400
del	HAB	H 7080	17	95,030,401	95,042,401	12,000
del	LAB	L 6379	17	95,030,601	95,043,001	12,400
del	HAB	H 7081	18	3,022,401	3,041,401	19,000
del	LAB	L 6380	18	3,022,601	3,060,401	37,800
del	HAB	H 7082	18	3,047,401	3,059,801	12,400
del	HAB	H 7083	18	3,089,401	3,098,601	9,200
del	LAB	L 6381	18	3,089,401	3,098,401	9,000
del	LAB	L 6382	18	3,113,601	3,120,401	6,800
del	HAB	H 7084	18	3,113,801	3,120,601	6,800
del	LAB	L 6383	18	3,185,401	3,196,001	10,600
del	HAB	H 7085	18	3,185,801	3,195,801	10,000
del	HAB	H 7086	18	3,645,201	3,650,401	5,200
del	HAB	H 7087	18	3,700,201	3,716,401	16,200
del	LAB	L 6384	18	3,700,201	3,716,201	16,000
del	HAB	H 7088	18	3,814,601	3,819,201	4,600
del	HAB	H 7089	18	4,449,201	4,456,001	6,800
del	LAB	L 6385	18	4,449,801	4,456,601	6,800
del	LAB	L 6386	18	5,793,601	5,798,601	5,000
del	HAB	H 7090	18	5,793,801	5,798,401	4,600
del	HAB	H 7091	18	6,257,001	6,261,201	4,200
del	HAB	H 7092	18	6,545,601	6,551,801	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6387	18	6,545,801	6,551,601	5,800
del	HAB	H 7093	18	6,853,401	6,863,401	10,000
del	LAB	L 6388	18	6,853,601	6,863,601	10,000
del	HAB	H 7094	18	7,241,001	7,248,601	7,600
del	LAB	L 6389	18	7,241,001	7,249,001	8,000
del	HAB	H 7095	18	8,241,201	8,249,401	8,200
del	LAB	L 6390	18	8,241,201	8,249,201	8,000
del	HAB	H 7096	18	8,722,201	8,731,401	9,200
del	LAB	L 6391	18	8,722,401	8,731,401	9,000
del	LAB	L 6392	18	8,844,801	8,855,801	11,000
del	HAB	H 7097	18	8,846,601	8,856,201	9,600
del	HAB	H 7098	18	9,173,001	9,182,401	9,400
del	LAB	L 6393	18	9,174,201	9,182,801	8,600
del	LAB	L 6394	18	9,466,201	9,482,201	16,000
del	HAB	H 7099	18	9,592,201	9,609,001	16,800
del	LAB	L 6395	18	9,592,401	9,609,201	16,800
del	HAB	H 7100	18	9,640,601	9,652,001	11,400
del	LAB	L 6396	18	9,640,801	9,651,801	11,000
del	HAB	H 7101	18	9,682,401	9,690,801	8,400
del	LAB	L 6397	18	9,682,401	9,690,801	8,400
del	HAB	H 7102	18	9,930,401	9,944,601	14,200
del	LAB	L 6398	18	9,936,801	9,944,801	8,000
del	HAB	H 7103	18	11,169,201	11,189,401	20,200
del	LAB	L 6399	18	11,170,801	11,189,801	19,000
del	HAB	H 7104	18	11,277,801	11,284,201	6,400
del	LAB	L 6400	18	11,277,801	11,284,201	6,400
del	LAB	L 6401	18	11,376,801	11,386,201	9,400
del	HAB	H 7105	18	11,377,201	11,385,001	7,800
del	LAB	L 6402	18	11,447,201	11,463,001	15,800
del	HAB	H 7106	18	11,447,601	11,462,801	15,200
del	HAB	H 7107	18	12,510,001	12,516,401	6,400
del	HAB	H 7108	18	13,318,601	13,339,201	20,600
del	LAB	L 6403	18	13,318,601	13,338,401	19,800
del	HAB	H 7109	18	13,360,001	13,371,201	11,200
del	LAB	L 6404	18	13,360,401	13,366,401	6,000
del	HAB	H 7110	18	13,735,801	13,742,401	6,600
del	HAB	H 7111	18	14,891,201	14,897,801	6,600
del	LAB	L 6405	18	14,891,401	14,897,801	6,400
del	HAB	H 7112	18	15,340,201	15,348,801	8,600
del	LAB	L 6406	18	15,340,201	15,348,801	8,600
del	HAB	H 7113	18	15,531,001	15,540,801	9,800
del	LAB	L 6407	18	15,531,401	15,540,601	9,200
del	HAB	H 7114	18	15,641,601	15,648,801	7,200
del	LAB	L 6408	18	15,641,801	15,648,401	6,600
del	LAB	L 6409	18	15,679,801	15,687,201	7,400
del	HAB	H 7115	18	15,680,201	15,688,001	7,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7116	18	15,851,201	15,866,801	15,600
del	LAB	L 6410	18	15,858,401	15,867,001	8,600
del	HAB	H 7117	18	16,099,001	16,122,801	23,800
del	LAB	L 6411	18	16,099,401	16,122,601	23,200
del	HAB	H 7118	18	16,139,401	16,147,201	7,800
del	LAB	L 6412	18	16,139,601	16,147,001	7,400
del	HAB	H 7119	18	16,441,401	16,448,001	6,600
del	LAB	L 6413	18	16,441,601	16,447,801	6,200
del	HAB	H 7120	18	16,561,001	16,563,201	2,200
del	HAB	H 7121	18	17,008,801	17,013,801	5,000
del	LAB	L 6414	18	17,008,801	17,013,401	4,600
del	HAB	H 7122	18	17,120,401	17,127,401	7,000
del	LAB	L 6415	18	17,120,801	17,127,201	6,400
del	LAB	L 6416	18	17,143,401	17,153,401	10,000
del	HAB	H 7123	18	17,143,601	17,153,801	10,200
del	HAB	H 7124	18	17,168,201	17,173,801	5,600
del	LAB	L 6417	18	17,168,401	17,173,601	5,200
del	HAB	H 7125	18	17,274,201	17,278,201	4,000
del	LAB	L 6418	18	17,274,801	17,278,201	3,400
del	HAB	H 7126	18	17,500,601	17,507,601	7,000
del	LAB	L 6419	18	17,500,801	17,507,201	6,400
del	HAB	H 7127	18	17,583,001	17,602,001	19,000
del	LAB	L 6420	18	17,583,401	17,600,401	17,000
del	HAB	H 7128	18	17,619,001	17,630,001	11,000
del	LAB	L 6421	18	17,619,001	17,630,401	11,400
del	LAB	L 6422	18	17,697,801	17,706,201	8,400
del	HAB	H 7129	18	17,699,601	17,706,601	7,000
del	LAB	L 6423	18	17,747,401	17,755,601	8,200
del	HAB	H 7130	18	17,748,201	17,755,001	6,800
del	HAB	H 7131	18	17,815,001	17,826,201	11,200
del	LAB	L 6424	18	17,815,001	17,826,001	11,000
del	HAB	H 7132	18	17,975,601	17,986,401	10,800
del	LAB	L 6425	18	17,975,601	17,986,401	10,800
del	HAB	H 7133	18	18,096,601	18,113,401	16,800
del	LAB	L 6426	18	18,096,801	18,109,401	12,600
del	LAB	L 6427	18	18,819,401	18,829,201	9,800
del	HAB	H 7134	18	18,822,001	18,829,601	7,600
del	HAB	H 7135	18	19,133,201	19,154,801	21,600
del	LAB	L 6428	18	19,135,001	19,155,001	20,000
del	LAB	L 6429	18	19,394,801	19,400,401	5,600
del	HAB	H 7136	18	19,395,001	19,400,401	5,400
del	LAB	L 6430	18	19,427,001	19,449,001	22,000
del	HAB	H 7137	18	19,431,201	19,448,801	17,600
del	HAB	H 7138	18	19,504,001	19,511,001	7,000
del	LAB	L 6431	18	19,504,001	19,510,801	6,800
del	LAB	L 6432	18	19,588,201	19,593,401	5,200



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7139	18	19,588,601	19,594,001	5,400
del	HAB	H 7140	18	19,600,201	19,608,001	7,800
del	LAB	L 6433	18	19,600,601	19,607,601	7,000
del	HAB	H 7141	18	19,770,801	19,780,001	9,200
del	LAB	L 6434	18	19,771,001	19,783,201	12,200
del	HAB	H 7142	18	19,970,401	19,978,801	8,400
del	LAB	L 6435	18	19,970,601	19,979,601	9,000
del	HAB	H 7143	18	20,020,201	20,031,201	11,000
del	LAB	L 6436	18	20,020,601	20,031,201	10,600
del	HAB	H 7144	18	20,325,001	20,329,201	4,200
del	HAB	H 7145	18	20,519,001	20,530,801	11,800
del	LAB	L 6437	18	20,519,601	20,530,001	10,400
del	HAB	H 7146	18	20,773,601	20,788,201	14,600
del	LAB	L 6438	18	20,773,601	20,787,601	14,000
del	HAB	H 7147	18	21,061,201	21,068,801	7,600
del	LAB	L 6439	18	21,061,201	21,068,601	7,400
del	HAB	H 7148	18	21,420,001	21,427,601	7,600
del	LAB	L 6440	18	21,420,801	21,427,201	6,400
del	LAB	L 6441	18	21,657,601	21,667,001	9,400
del	HAB	H 7149	18	21,658,001	21,667,201	9,200
del	LAB	L 6442	18	21,943,601	21,957,201	13,600
del	HAB	H 7150	18	21,944,001	21,960,401	16,400
del	HAB	H 7151	18	22,461,201	22,466,201	5,000
del	LAB	L 6443	18	22,461,201	22,465,401	4,200
del	LAB	L 6444	18	22,597,601	22,605,001	7,400
del	HAB	H 7152	18	22,597,801	22,605,001	7,200
del	LAB	L 6445	18	22,718,201	22,737,601	19,400
del	HAB	H 7153	18	22,718,401	22,733,401	15,000
del	HAB	H 7154	18	23,037,401	23,043,401	6,000
del	LAB	L 6446	18	23,037,601	23,043,201	5,600
del	HAB	H 7155	18	23,398,201	23,409,401	11,200
del	LAB	L 6447	18	23,398,201	23,409,601	11,400
del	HAB	H 7156	18	23,419,001	23,431,801	12,800
del	HAB	H 7157	18	23,946,601	23,954,201	7,600
del	LAB	L 6448	18	23,946,601	23,954,001	7,400
del	HAB	H 7158	18	24,727,601	24,735,601	8,000
del	HAB	H 7159	18	25,369,001	25,380,801	11,800
del	LAB	L 6449	18	25,370,201	25,380,201	10,000
del	LAB	L 6450	18	25,408,601	25,415,401	6,800
del	HAB	H 7160	18	25,408,801	25,416,801	8,000
del	HAB	H 7161	18	25,939,201	25,950,801	11,600
del	LAB	L 6451	18	25,939,601	25,950,801	11,200
del	HAB	H 7162	18	26,161,401	26,167,001	5,600
del	LAB	L 6452	18	26,161,601	26,166,601	5,000
del	HAB	H 7163	18	26,307,801	26,312,201	4,400
del	LAB	L 6453	18	26,307,801	26,312,001	4,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7164	18	26,539,001	26,545,001	6,000
del	HAB	H 7165	18	26,692,801	26,695,401	2,600
del	LAB	L 6454	18	26,692,801	26,695,401	2,600
del	HAB	H 7166	18	26,747,001	26,750,601	3,600
del	HAB	H 7167	18	27,156,601	27,164,001	7,400
del	HAB	H 7168	18	27,391,801	27,403,001	11,200
del	LAB	L 6455	18	27,395,001	27,403,201	8,200
del	HAB	H 7169	18	27,610,801	27,630,201	19,400
del	HAB	H 7170	18	27,759,201	27,764,601	5,400
del	LAB	L 6456	18	27,759,801	27,764,401	4,600
del	HAB	H 7171	18	28,501,201	28,513,401	12,200
del	LAB	L 6457	18	28,502,001	28,508,601	6,600
del	HAB	H 7172	18	28,600,201	28,605,201	5,000
del	HAB	H 7173	18	28,687,201	28,692,001	4,800
del	HAB	H 7174	18	28,745,601	28,761,401	15,800
del	HAB	H 7175	18	28,767,601	28,789,001	21,400
del	HAB	H 7176	18	28,904,001	28,912,401	8,400
del	HAB	H 7177	18	28,954,601	28,957,401	2,800
del	HAB	H 7178	18	29,118,601	29,124,401	5,800
del	HAB	H 7179	18	29,173,401	29,180,601	7,200
del	HAB	H 7180	18	29,354,201	29,361,801	7,600
del	LAB	L 6458	18	29,354,601	29,361,601	7,000
del	HAB	H 7181	18	30,171,201	30,179,401	8,200
del	HAB	H 7182	18	30,426,401	30,431,801	5,400
del	HAB	H 7183	18	30,886,201	30,890,401	4,200
del	HAB	H 7184	18	31,445,801	31,451,801	6,000
del	LAB	L 6459	18	31,445,801	31,451,801	6,000
del	LAB	L 6460	18	31,514,201	31,523,601	9,400
del	HAB	H 7185	18	31,517,401	31,523,601	6,200
del	LAB	L 6461	18	31,875,801	31,897,801	22,000
del	HAB	H 7186	18	32,840,401	32,848,801	8,400
del	LAB	L 6462	18	32,840,601	32,848,601	8,000
del	HAB	H 7187	18	33,171,001	33,210,401	39,400
del	LAB	L 6463	18	33,171,001	33,202,601	31,600
del	LAB	L 6464	18	33,436,401	33,445,601	9,200
del	HAB	H 7188	18	33,437,201	33,445,601	8,400
del	LAB	L 6465	18	33,551,401	33,561,001	9,600
del	HAB	H 7189	18	33,551,801	33,561,401	9,600
del	LAB	L 6466	18	33,790,001	33,805,601	15,600
del	HAB	H 7190	18	33,794,201	33,805,601	11,400
del	HAB	H 7191	18	33,856,801	33,863,601	6,800
del	LAB	L 6467	18	33,857,201	33,863,601	6,400
del	HAB	H 7192	18	34,689,001	34,691,001	2,000
del	HAB	H 7193	18	36,990,201	36,997,001	6,800
del	LAB	L 6468	18	36,990,601	36,996,801	6,200
del	LAB	L 6469	18	37,185,001	37,213,401	28,400

type	mouse line	no.	chr	start	end	size
del	HAB	H 7194	18	37,185,401	37,212,801	27,400
del	HAB	H 7195	18	37,218,601	37,231,001	12,400
del	LAB	L 6470	18	37,220,001	37,229,201	9,200
del	LAB	L 6471	18	37,541,801	37,556,601	14,800
del	HAB	H 7196	18	37,542,601	37,556,401	13,800
del	HAB	H 7197	18	37,741,601	37,748,201	6,600
del	LAB	L 6472	18	37,741,601	37,748,201	6,600
del	LAB	L 6473	18	37,753,801	37,760,801	7,000
del	HAB	H 7198	18	37,789,601	37,797,201	7,600
del	LAB	L 6474	18	37,790,001	37,796,601	6,600
del	HAB	H 7199	18	39,300,601	39,303,201	2,600
del	LAB	L 6475	18	39,300,801	39,302,801	2,000
del	HAB	H 7200	18	40,764,001	40,774,201	10,200
del	LAB	L 6476	18	40,764,001	40,774,201	10,200
del	LAB	L 6477	18	41,494,001	41,498,201	4,200
del	HAB	H 7201	18	41,494,201	41,498,201	4,000
del	HAB	H 7202	18	41,623,001	41,637,801	14,800
del	LAB	L 6478	18	41,623,001	41,637,601	14,600
del	LAB	L 6479	18	41,710,201	41,718,601	8,400
del	HAB	H 7203	18	41,710,401	41,718,601	8,200
del	HAB	H 7204	18	42,119,201	42,125,801	6,600
del	LAB	L 6480	18	42,119,201	42,125,801	6,600
del	HAB	H 7205	18	42,342,801	42,345,601	2,800
del	LAB	L 6481	18	42,343,001	42,345,601	2,600
del	HAB	H 7206	18	43,156,201	43,163,601	7,400
del	LAB	L 6482	18	43,156,401	43,163,601	7,200
del	HAB	H 7207	18	43,632,201	43,637,601	5,400
del	LAB	L 6483	18	43,632,401	43,637,201	4,800
del	LAB	L 6484	18	43,866,201	43,879,001	12,800
del	HAB	H 7208	18	43,869,601	43,878,801	9,200
del	HAB	H 7209	18	44,049,401	44,059,401	10,000
del	LAB	L 6485	18	44,049,401	44,059,401	10,000
del	HAB	H 7210	18	44,192,201	44,195,601	3,400
del	LAB	L 6486	18	44,192,401	44,195,401	3,000
del	HAB	H 7211	18	44,332,601	44,345,001	12,400
del	HAB	H 7212	18	44,420,001	44,423,201	3,200
del	LAB	L 6487	18	44,420,001	44,423,201	3,200
del	HAB	H 7213	18	45,140,201	45,146,801	6,600
del	LAB	L 6488	18	45,140,601	45,146,401	5,800
del	HAB	H 7214	18	45,176,201	45,193,001	16,800
del	LAB	L 6489	18	45,176,801	45,192,401	15,600
del	HAB	H 7215	18	45,451,801	45,456,001	4,200
del	LAB	L 6490	18	45,451,801	45,455,601	3,800
del	HAB	H 7216	18	46,022,601	46,034,401	11,800
del	LAB	L 6491	18	46,022,601	46,034,801	12,200
del	HAB	H 7217	18	46,160,401	46,164,601	4,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7218	18	46,183,801	46,196,601	12,800
del	LAB	L 6492	18	46,184,601	46,197,201	12,600
del	HAB	H 7219	18	46,598,601	46,603,601	5,000
del	LAB	L 6493	18	46,598,801	46,603,601	4,800
del	HAB	H 7220	18	47,340,801	47,350,001	9,200
del	LAB	L 6494	18	47,340,801	47,349,201	8,400
del	HAB	H 7221	18	47,808,201	47,813,601	5,400
del	LAB	L 6495	18	47,808,401	47,813,401	5,000
del	HAB	H 7222	18	47,896,601	47,908,401	11,800
del	LAB	L 6496	18	47,897,001	47,906,601	9,600
del	HAB	H 7223	18	47,929,601	47,940,601	11,000
del	LAB	L 6497	18	47,929,801	47,940,401	10,600
del	HAB	H 7224	18	48,253,201	48,257,201	4,000
del	LAB	L 6498	18	48,253,201	48,256,801	3,600
del	HAB	H 7225	18	48,366,601	48,379,201	12,600
del	LAB	L 6499	18	48,367,201	48,378,801	11,600
del	HAB	H 7226	18	48,689,601	48,699,201	9,600
del	LAB	L 6500	18	48,690,401	48,699,201	8,800
del	HAB	H 7227	18	49,335,001	49,338,801	3,800
del	LAB	L 6501	18	49,335,201	49,338,601	3,400
del	HAB	H 7228	18	49,549,401	49,557,601	8,200
del	LAB	L 6502	18	49,549,601	49,555,601	6,000
del	HAB	H 7229	18	50,413,801	50,423,601	9,800
del	LAB	L 6503	18	50,413,801	50,427,801	14,000
del	HAB	H 7230	18	50,812,001	50,818,201	6,200
del	LAB	L 6504	18	50,812,201	50,818,201	6,000
del	HAB	H 7231	18	50,937,601	50,942,601	5,000
del	LAB	L 6505	18	50,937,801	50,942,201	4,400
del	LAB	L 6506	18	50,948,801	50,953,601	4,800
del	HAB	H 7232	18	51,125,401	51,160,801	35,400
del	LAB	L 6507	18	51,125,401	51,160,801	35,400
del	HAB	H 7233	18	51,557,001	51,563,201	6,200
del	LAB	L 6508	18	52,104,401	52,110,201	5,800
del	HAB	H 7234	18	52,421,401	52,426,401	5,000
del	LAB	L 6509	18	52,421,401	52,426,401	5,000
del	LAB	L 6510	18	52,541,001	52,554,401	13,400
del	HAB	H 7235	18	52,541,201	52,554,001	12,800
del	LAB	L 6511	18	52,575,801	52,583,001	7,200
del	HAB	H 7236	18	52,576,001	52,582,601	6,600
del	HAB	H 7237	18	52,599,001	52,612,201	13,200
del	LAB	L 6512	18	52,599,001	52,612,001	13,000
del	HAB	H 7238	18	53,990,201	53,999,801	9,600
del	LAB	L 6513	18	53,991,001	53,999,401	8,400
del	HAB	H 7239	18	54,029,001	54,036,401	7,400
del	LAB	L 6514	18	54,029,401	54,036,001	6,600
del	HAB	H 7240	18	54,486,201	54,493,801	7,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6515	18	54,486,201	54,493,601	7,400
del	HAB	H 7241	18	55,471,001	55,480,801	9,800
del	LAB	L 6516	18	55,471,001	55,480,801	9,800
del	HAB	H 7242	18	55,589,401	55,595,601	6,200
del	LAB	L 6517	18	56,378,601	56,393,801	15,200
del	HAB	H 7243	18	56,378,801	56,394,401	15,600
del	HAB	H 7244	18	56,986,601	56,990,001	3,400
del	LAB	L 6518	18	56,986,801	56,990,001	3,200
del	HAB	H 7245	18	57,167,201	57,174,201	7,000
del	LAB	L 6519	18	57,167,401	57,174,201	6,800
del	HAB	H 7246	18	57,820,001	57,899,001	79,000
del	LAB	L 6520	18	57,820,001	57,899,001	79,000
del	HAB	H 7247	18	57,952,201	57,960,401	8,200
del	LAB	L 6521	18	57,952,401	57,960,401	8,000
del	HAB	H 7248	18	58,444,201	58,448,001	3,800
del	LAB	L 6522	18	58,444,201	58,448,201	4,000
del	HAB	H 7249	18	58,472,801	58,487,801	15,000
del	LAB	L 6523	18	58,477,601	58,487,001	9,400
del	HAB	H 7250	18	59,018,401	59,024,001	5,600
del	LAB	L 6524	18	59,018,601	59,024,001	5,400
del	HAB	H 7251	18	59,152,401	59,159,201	6,800
del	LAB	L 6525	18	59,275,601	59,281,601	6,000
del	HAB	H 7252	18	59,275,801	59,282,001	6,200
del	HAB	H 7253	18	59,424,601	59,428,001	3,400
del	LAB	L 6526	18	59,425,001	59,427,601	2,600
del	HAB	H 7254	18	59,658,401	59,667,201	8,800
del	LAB	L 6527	18	59,658,401	59,666,401	8,000
del	HAB	H 7255	18	59,889,601	59,897,601	8,000
del	LAB	L 6528	18	59,889,801	59,897,201	7,400
del	LAB	L 6529	18	60,490,201	60,505,801	15,600
del	HAB	H 7256	18	60,490,601	60,505,801	15,200
del	HAB	H 7257	18	60,557,201	60,576,201	19,000
del	LAB	L 6530	18	60,557,401	60,576,601	19,200
del	HAB	H 7258	18	60,687,801	60,693,601	5,800
del	LAB	L 6531	18	60,688,201	60,693,601	5,400
del	HAB	H 7259	18	62,398,401	62,407,001	8,600
del	LAB	L 6532	18	62,398,401	62,407,201	8,800
del	HAB	H 7260	18	62,434,001	62,453,001	19,000
del	LAB	L 6533	18	62,434,201	62,453,001	18,800
del	HAB	H 7261	18	62,776,401	62,787,801	11,400
del	LAB	L 6534	18	62,776,601	62,787,801	11,200
del	HAB	H 7262	18	63,602,001	63,609,601	7,600
del	LAB	L 6535	18	63,602,801	63,609,401	6,600
del	HAB	H 7263	18	63,692,001	63,701,601	9,600
del	HAB	H 7264	18	65,559,801	65,564,801	5,000
del	LAB	L 6536	18	65,560,201	65,564,601	4,400

type	mouse line	no.	chr	start	end	size
del	HAB	H 7265	18	65,875,801	65,879,201	3,400
del	LAB	L 6537	18	65,876,201	65,879,001	2,800
del	LAB	L 6538	18	66,851,001	66,859,001	8,000
del	HAB	H 7266	18	66,851,401	66,859,401	8,000
del	HAB	H 7267	18	66,909,401	66,915,201	5,800
del	LAB	L 6539	18	66,910,201	66,915,001	4,800
del	LAB	L 6540	18	67,043,201	67,049,401	6,200
del	HAB	H 7268	18	67,043,401	67,049,401	6,000
del	HAB	H 7269	18	67,104,801	67,112,001	7,200
del	LAB	L 6541	18	67,104,801	67,112,201	7,400
del	HAB	H 7270	18	67,236,801	67,239,201	2,400
del	LAB	L 6542	18	67,237,201	67,238,801	1,600
del	HAB	H 7271	18	68,571,801	68,583,401	11,600
del	LAB	L 6543	18	68,572,001	68,583,001	11,000
del	HAB	H 7272	18	68,635,001	68,646,001	11,000
del	HAB	H 7273	18	70,866,401	70,882,001	15,600
del	LAB	L 6544	18	70,866,801	70,881,801	15,000
del	HAB	H 7274	18	70,899,401	70,905,601	6,200
del	LAB	L 6545	18	70,899,401	70,905,401	6,000
del	HAB	H 7275	18	70,932,601	70,947,801	15,200
del	LAB	L 6546	18	70,932,601	70,947,801	15,200
del	LAB	L 6547	18	71,191,001	71,198,601	7,600
del	HAB	H 7276	18	71,192,001	71,198,601	6,600
del	LAB	L 6548	18	71,368,001	71,370,801	2,800
del	LAB	L 6549	18	71,427,001	71,432,801	5,800
del	HAB	H 7277	18	72,226,801	72,230,201	3,400
del	HAB	H 7278	18	72,589,001	72,597,201	8,200
del	LAB	L 6550	18	72,589,401	72,597,201	7,800
del	HAB	H 7279	18	72,616,401	72,625,201	8,800
del	LAB	L 6551	18	72,616,801	72,626,201	9,400
del	HAB	H 7280	18	72,653,001	72,681,001	28,000
del	LAB	L 6552	18	72,653,001	72,681,801	28,800
del	LAB	L 6553	18	72,736,601	72,743,401	6,800
del	LAB	L 6554	18	72,781,601	72,787,201	5,600
del	LAB	L 6555	18	72,814,401	72,818,201	3,800
del	LAB	L 6556	18	72,913,601	72,919,401	5,800
del	LAB	L 6557	18	72,948,801	72,954,601	5,800
del	HAB	H 7281	18	73,093,601	73,107,601	14,000
del	LAB	L 6558	18	73,093,801	73,107,401	13,600
del	LAB	L 6559	18	73,268,001	73,276,201	8,200
del	HAB	H 7282	18	73,270,001	73,276,401	6,400
del	LAB	L 6560	18	73,361,601	73,364,201	2,600
del	HAB	H 7283	18	73,419,201	73,423,801	4,600
del	LAB	L 6561	18	73,419,401	73,423,601	4,200
del	LAB	L 6562	18	73,487,201	73,509,201	22,000
del	HAB	H 7284	18	73,489,401	73,502,601	13,200

type	mouse line	no.	chr	start	end	size
del	HAB	H 7285	18	73,841,001	73,853,001	12,000
del	LAB	L 6563	18	73,841,201	73,853,001	11,800
del	HAB	H 7286	18	74,593,601	74,596,001	2,400
del	LAB	L 6564	18	74,594,001	74,595,801	1,800
del	HAB	H 7287	18	74,715,201	74,721,601	6,400
del	LAB	L 6565	18	74,715,201	74,721,601	6,400
del	HAB	H 7288	18	74,905,601	74,916,801	11,200
del	LAB	L 6566	18	74,905,601	74,915,801	10,200
del	HAB	H 7289	18	75,805,001	75,807,001	2,000
del	HAB	H 7290	18	76,043,601	76,050,401	6,800
del	HAB	H 7291	18	76,337,401	76,343,801	6,400
del	HAB	H 7292	18	78,606,601	78,624,601	18,000
del	LAB	L 6567	18	78,606,801	78,619,801	13,000
del	LAB	L 6568	18	79,941,801	79,945,601	3,800
del	LAB	L 6569	18	80,007,401	80,018,601	11,200
del	HAB	H 7293	18	80,007,601	80,018,601	11,000
del	LAB	L 6570	18	80,208,601	80,226,801	18,200
del	HAB	H 7294	18	80,209,001	80,226,801	17,800
del	HAB	H 7295	18	80,702,401	80,715,001	12,600
del	LAB	L 6571	18	80,706,201	80,714,201	8,000
del	HAB	H 7296	18	81,076,801	81,084,001	7,200
del	LAB	L 6572	18	81,077,001	81,083,601	6,600
del	HAB	H 7297	18	83,431,601	83,441,001	9,400
del	LAB	L 6573	18	83,431,601	83,440,601	9,000
del	LAB	L 6574	18	84,773,201	84,780,001	6,800
del	HAB	H 7298	18	85,198,001	85,224,801	26,800
del	LAB	L 6575	18	85,198,201	85,224,801	26,600
del	LAB	L 6576	18	85,243,601	85,250,001	6,400
del	LAB	L 6577	18	85,269,601	85,296,401	26,800
del	HAB	H 7299	18	85,274,401	85,282,401	8,000
del	LAB	L 6578	18	85,547,201	85,556,201	9,000
del	LAB	L 6579	18	85,774,001	85,794,201	20,200
del	HAB	H 7300	18	85,774,401	85,793,201	18,800
del	LAB	L 6580	18	86,050,401	86,095,601	45,200
del	HAB	H 7301	18	86,051,001	86,095,801	44,800
del	HAB	H 7302	18	86,211,801	86,220,801	9,000
del	LAB	L 6581	18	86,211,801	86,220,201	8,400
del	HAB	H 7303	18	86,729,601	86,737,001	7,400
del	LAB	L 6582	18	86,729,801	86,737,001	7,200
del	HAB	H 7304	18	86,752,401	86,755,401	3,000
del	LAB	L 6583	18	86,752,801	86,755,401	2,600
del	HAB	H 7305	18	87,317,001	87,333,801	16,800
del	LAB	L 6584	18	87,317,601	87,334,201	16,600
del	HAB	H 7306	18	88,050,401	88,064,201	13,800
del	LAB	L 6585	18	88,050,401	88,064,001	13,600
del	HAB	H 7307	18	88,102,201	88,124,201	22,000

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7308	18	88,462,601	88,478,201	15,600
del	LAB	L 6586	18	88,464,001	88,484,601	20,600
del	LAB	L 6587	18	88,787,201	88,797,401	10,200
del	HAB	H 7309	18	88,787,601	88,797,401	9,800
del	HAB	H 7310	18	89,104,201	89,110,201	6,000
del	LAB	L 6588	18	89,104,601	89,115,401	10,800
del	LAB	L 6589	18	89,481,801	89,485,401	3,600
del	HAB	H 7311	18	89,531,401	89,540,201	8,800
del	LAB	L 6590	18	89,531,401	89,547,001	15,600
del	LAB	L 6591	18	89,558,401	89,576,201	17,800
del	LAB	L 6592	18	89,785,001	89,793,801	8,800
del	LAB	L 6593	18	89,845,801	89,858,801	13,000
del	LAB	L 6594	18	89,916,601	89,919,201	2,600
del	HAB	H 7312	18	89,916,801	89,919,401	2,600
del	LAB	L 6595	18	90,005,001	90,010,001	5,000
del	HAB	H 7313	18	90,077,201	90,100,601	23,400
del	LAB	L 6596	18	90,077,601	90,101,601	24,000
del	LAB	L 6597	18	90,152,201	90,159,201	7,000
del	LAB	L 6598	18	90,241,401	90,266,201	24,800
del	HAB	H 7314	18	90,248,801	90,265,601	16,800
del	HAB	H 7315	18	90,282,601	90,295,601	13,000
del	LAB	L 6599	18	90,282,601	90,295,401	12,800
del	LAB	L 6600	18	90,329,601	90,371,401	41,800
del	HAB	H 7316	18	90,349,001	90,369,601	20,600
del	HAB	H 7317	18	90,439,001	90,454,801	15,800
del	LAB	L 6601	18	90,439,801	90,454,201	14,400
del	LAB	L 6602	18	90,471,801	90,485,001	13,200
del	HAB	H 7318	18	90,477,001	90,494,801	17,800
del	HAB	H 7319	18	90,533,601	90,543,401	9,800
del	HAB	H 7320	18	90,565,001	90,608,801	43,800
del	LAB	L 6603	18	90,567,201	90,608,801	41,600
del	LAB	L 6604	18	90,636,401	90,654,401	18,000
del	HAB	H 7321	18	90,637,601	90,651,601	14,000
del	LAB	L 6605	18	90,662,401	90,675,401	13,000
del	HAB	H 7322	18	90,663,201	90,668,801	5,600
del	HAB	H 7323	19	3,002,601	3,006,401	3,800
del	LAB	L 6606	19	3,003,001	3,006,201	3,200
del	HAB	H 7324	19	3,024,801	3,042,401	17,600
del	LAB	L 6607	19	3,028,801	3,041,801	13,000
del	HAB	H 7325	19	3,082,801	3,087,801	5,000
del	LAB	L 6608	19	3,082,801	3,087,801	5,000
del	HAB	H 7326	19	3,161,201	3,174,801	13,600
del	LAB	L 6609	19	3,161,601	3,174,201	12,600
del	HAB	H 7327	19	3,223,601	3,229,401	5,800
del	LAB	L 6610	19	3,223,601	3,229,401	5,800
del	HAB	H 7328	19	4,035,201	4,042,001	6,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6611	19	4,035,201	4,041,801	6,600
del	HAB	H 7329	19	5,268,601	5,272,001	3,400
del	LAB	L 6612	19	5,269,001	5,271,801	2,800
del	HAB	H 7330	19	7,787,801	7,794,201	6,400
del	LAB	L 6613	19	7,787,801	7,794,201	6,400
del	HAB	H 7331	19	7,808,401	7,850,601	42,200
del	LAB	L 6614	19	7,808,801	7,850,401	41,600
del	HAB	H 7332	19	7,882,001	7,897,801	15,800
del	LAB	L 6615	19	7,882,801	7,898,401	15,600
del	HAB	H 7333	19	7,983,801	7,996,801	13,000
del	HAB	H 7334	19	8,008,401	8,019,801	11,400
del	HAB	H 7335	19	8,162,001	8,170,601	8,600
del	LAB	L 6616	19	8,162,001	8,170,401	8,400
del	LAB	L 6617	19	8,596,201	8,613,201	17,000
del	HAB	H 7336	19	8,597,001	8,615,601	18,600
del	HAB	H 7337	19	9,079,401	9,089,601	10,200
del	LAB	L 6618	19	9,079,801	9,089,601	9,800
del	HAB	H 7338	19	9,223,401	9,235,801	12,400
del	LAB	L 6619	19	9,223,401	9,236,201	12,800
del	HAB	H 7339	19	9,247,001	9,326,001	79,000
del	LAB	L 6620	19	9,247,601	9,323,601	76,000
del	HAB	H 7340	19	9,397,601	9,411,201	13,600
del	LAB	L 6621	19	9,399,001	9,411,001	12,000
del	HAB	H 7341	19	9,478,001	9,486,201	8,200
del	LAB	L 6622	19	9,478,801	9,487,001	8,200
del	HAB	H 7342	19	9,518,201	9,591,401	73,200
del	LAB	L 6623	19	9,519,001	9,584,401	65,400
del	HAB	H 7343	19	9,760,801	9,771,001	10,200
del	LAB	L 6624	19	9,761,001	9,770,001	9,000
del	LAB	L 6625	19	9,823,001	9,830,401	7,400
del	HAB	H 7344	19	9,823,201	9,838,601	15,400
del	LAB	L 6626	19	9,844,001	9,875,401	31,400
del	HAB	H 7345	19	9,848,001	9,875,601	27,600
del	LAB	L 6627	19	9,890,401	9,901,801	11,400
del	HAB	H 7346	19	9,890,601	9,903,001	12,400
del	LAB	L 6628	19	11,291,401	11,298,401	7,000
del	LAB	L 6629	19	11,364,401	11,370,801	6,400
del	HAB	H 7347	19	11,364,601	11,370,801	6,200
del	HAB	H 7348	19	11,431,801	11,438,801	7,000
del	LAB	L 6630	19	11,432,401	11,439,001	6,600
del	LAB	L 6631	19	11,666,601	11,674,001	7,400
del	HAB	H 7349	19	12,226,801	12,233,601	6,800
del	LAB	L 6632	19	12,227,001	12,233,601	6,600
del	HAB	H 7350	19	12,417,801	12,452,001	34,200
del	LAB	L 6633	19	12,417,801	12,451,601	33,800
del	HAB	H 7351	19	12,521,601	12,529,201	7,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6634	19	12,522,201	12,529,001	6,800
del	HAB	H 7352	19	12,577,201	12,584,001	6,800
del	HAB	H 7353	19	12,653,801	12,657,401	3,600
del	LAB	L 6635	19	12,654,001	12,657,001	3,000
del	HAB	H 7354	19	13,191,801	13,204,201	12,400
del	LAB	L 6636	19	13,191,801	13,204,001	12,200
del	LAB	L 6637	19	13,278,601	13,286,401	7,800
del	HAB	H 7355	19	13,279,201	13,286,001	6,800
del	HAB	H 7356	19	13,612,001	13,621,401	9,400
del	LAB	L 6638	19	13,612,201	13,621,601	9,400
del	HAB	H 7357	19	13,759,001	13,769,601	10,600
del	LAB	L 6639	19	13,759,801	13,769,001	9,200
del	HAB	H 7358	19	13,837,801	13,851,801	14,000
del	LAB	L 6640	19	13,838,601	13,851,401	12,800
del	HAB	H 7359	19	13,970,401	13,981,401	11,000
del	LAB	L 6641	19	13,970,401	13,980,801	10,400
del	LAB	L 6642	19	14,073,201	14,085,601	12,400
del	HAB	H 7360	19	14,075,201	14,085,601	10,400
del	HAB	H 7361	19	14,095,401	14,097,401	2,000
del	HAB	H 7362	19	14,221,001	14,223,601	2,600
del	HAB	H 7363	19	14,303,001	14,308,601	5,600
del	LAB	L 6643	19	14,336,201	14,342,401	6,200
del	HAB	H 7364	19	15,330,601	15,337,801	7,200
del	HAB	H 7365	19	15,505,401	15,510,201	4,800
del	LAB	L 6644	19	15,505,401	15,511,201	5,800
del	HAB	H 7366	19	15,913,801	15,921,201	7,400
del	HAB	H 7367	19	16,424,201	16,428,201	4,000
del	HAB	H 7368	19	16,745,001	16,748,001	3,000
del	HAB	H 7369	19	17,092,201	17,095,001	2,800
del	LAB	L 6645	19	17,092,401	17,095,001	2,600
del	HAB	H 7370	19	17,376,601	17,384,401	7,800
del	LAB	L 6646	19	17,377,001	17,388,401	11,400
del	LAB	L 6647	19	18,271,601	18,276,601	5,000
del	HAB	H 7371	19	18,299,001	18,307,601	8,600
del	LAB	L 6648	19	18,318,201	18,324,201	6,000
del	HAB	H 7372	19	18,360,401	18,374,601	14,200
del	LAB	L 6649	19	18,360,601	18,374,201	13,600
del	LAB	L 6650	19	18,432,001	18,438,801	6,800
del	HAB	H 7373	19	18,558,201	18,566,401	8,200
del	LAB	L 6651	19	18,606,801	18,610,001	3,200
del	HAB	H 7374	19	18,993,201	18,999,001	5,800
del	LAB	L 6652	19	18,993,201	18,998,801	5,600
del	HAB	H 7375	19	19,356,401	19,364,601	8,200
del	LAB	L 6653	19	19,356,601	19,364,601	8,000
del	HAB	H 7376	19	19,890,801	19,896,801	6,000
del	LAB	L 6654	19	19,890,801	19,896,601	5,800

type	mouse line	no.	chr	start	end	size
del	HAB	H 7377	19	20,214,401	20,221,601	7,200
del	LAB	L 6655	19	20,214,601	20,222,001	7,400
del	HAB	H 7378	19	20,530,601	20,535,001	4,400
del	HAB	H 7379	19	20,549,201	20,557,401	8,200
del	LAB	L 6656	19	20,549,401	20,559,601	10,200
del	HAB	H 7380	19	20,641,601	20,650,601	9,000
del	LAB	L 6657	19	20,642,001	20,650,601	8,600
del	LAB	L 6658	19	20,846,001	20,849,401	3,400
del	LAB	L 6659	19	21,997,201	22,008,601	11,400
del	HAB	H 7381	19	21,997,801	22,008,401	10,600
del	HAB	H 7382	19	22,024,601	22,028,201	3,600
del	LAB	L 6660	19	22,025,201	22,028,201	3,000
del	LAB	L 6661	19	22,034,201	22,056,801	22,600
del	HAB	H 7383	19	22,035,401	22,057,201	21,800
del	HAB	H 7384	19	22,480,401	22,484,201	3,800
del	LAB	L 6662	19	22,480,601	22,484,201	3,600
del	HAB	H 7385	19	22,515,401	22,518,201	2,800
del	LAB	L 6663	19	22,515,401	22,518,001	2,600
del	HAB	H 7386	19	22,718,601	22,726,201	7,600
del	LAB	L 6664	19	22,796,801	22,802,601	5,800
del	HAB	H 7387	19	23,818,201	23,828,601	10,400
del	LAB	L 6665	19	23,818,401	23,828,401	10,000
del	LAB	L 6666	19	24,901,401	24,907,601	6,200
del	HAB	H 7388	19	24,986,601	24,994,001	7,400
del	LAB	L 6667	19	24,986,801	24,993,801	7,000
del	HAB	H 7389	19	25,817,201	25,841,401	24,200
del	LAB	L 6668	19	25,818,401	25,841,401	23,000
del	LAB	L 6669	19	25,896,801	25,905,201	8,400
del	HAB	H 7390	19	25,897,001	25,904,801	7,800
del	HAB	H 7391	19	26,306,401	26,312,201	5,800
del	LAB	L 6670	19	26,306,401	26,312,201	5,800
del	LAB	L 6671	19	26,467,401	26,470,201	2,800
del	LAB	L 6672	19	27,567,401	27,572,001	4,600
del	HAB	H 7392	19	31,795,401	31,810,001	14,600
del	LAB	L 6673	19	31,795,401	31,809,601	14,200
del	HAB	H 7393	19	32,277,601	32,284,401	6,800
del	LAB	L 6674	19	32,277,801	32,284,201	6,400
del	LAB	L 6675	19	33,609,801	33,616,601	6,800
del	HAB	H 7394	19	33,610,001	33,616,401	6,400
del	HAB	H 7395	19	33,636,201	33,648,801	12,600
del	LAB	L 6676	19	33,639,801	33,649,001	9,200
del	HAB	H 7396	19	33,665,401	33,682,401	17,000
del	LAB	L 6677	19	33,665,601	33,680,801	15,200
del	HAB	H 7397	19	33,776,001	33,813,201	37,200
del	LAB	L 6678	19	33,777,001	33,814,801	37,800
del	HAB	H 7398	19	33,827,601	33,843,001	15,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6679	19	33,830,401	33,842,801	12,400
del	HAB	H 7399	19	33,883,801	33,891,401	7,600
del	LAB	L 6680	19	33,883,801	33,891,201	7,400
del	HAB	H 7400	19	34,020,601	34,032,401	11,800
del	LAB	L 6681	19	34,020,601	34,031,801	11,200
del	HAB	H 7401	19	34,557,201	34,564,201	7,000
del	LAB	L 6682	19	34,557,401	34,565,601	8,200
del	HAB	H 7402	19	34,673,201	34,679,001	5,800
del	LAB	L 6683	19	34,673,601	34,678,801	5,200
del	HAB	H 7403	19	35,150,601	35,154,601	4,000
del	LAB	L 6684	19	35,150,801	35,154,401	3,600
del	HAB	H 7404	19	35,297,001	35,300,401	3,400
del	HAB	H 7405	19	35,308,601	35,315,801	7,200
del	HAB	H 7406	19	35,405,001	35,416,401	11,400
del	LAB	L 6685	19	35,409,601	35,416,201	6,600
del	HAB	H 7407	19	35,658,801	35,666,401	7,600
del	HAB	H 7408	19	35,671,201	35,676,601	5,400
del	HAB	H 7409	19	35,721,001	35,753,401	32,400
del	LAB	L 6686	19	35,731,801	35,753,001	21,200
del	HAB	H 7410	19	35,976,601	35,985,801	9,200
del	HAB	H 7411	19	36,009,401	36,014,801	5,400
del	LAB	L 6687	19	36,009,601	36,014,601	5,000
del	HAB	H 7412	19	37,691,801	37,699,401	7,600
del	LAB	L 6688	19	37,692,201	37,699,001	6,800
del	HAB	H 7413	19	38,449,201	38,456,801	7,600
del	LAB	L 6689	19	38,449,601	38,456,401	6,800
del	HAB	H 7414	19	39,120,201	39,129,201	9,000
del	HAB	H 7415	19	39,184,201	39,210,401	26,200
del	LAB	L 6690	19	39,184,201	39,210,001	25,800
del	LAB	L 6691	19	39,219,201	39,236,401	17,200
del	HAB	H 7416	19	39,219,801	39,237,601	17,800
del	HAB	H 7417	19	39,272,401	39,279,401	7,000
del	LAB	L 6692	19	39,272,601	39,280,401	7,800
del	LAB	L 6693	19	39,310,401	39,316,801	6,400
del	HAB	H 7418	19	39,310,801	39,316,801	6,000
del	LAB	L 6694	19	39,323,801	39,345,601	21,800
del	HAB	H 7419	19	39,324,401	39,345,801	21,400
del	HAB	H 7420	19	39,408,201	39,433,601	25,400
del	LAB	L 6695	19	39,408,801	39,421,201	12,400
del	LAB	L 6696	19	39,426,601	39,443,401	16,800
del	HAB	H 7421	19	39,455,201	39,473,001	17,800
del	LAB	L 6697	19	39,455,201	39,472,801	17,600
del	LAB	L 6698	19	39,486,601	39,502,801	16,200
del	HAB	H 7422	19	39,487,001	39,502,801	15,800
del	HAB	H 7423	19	39,591,601	39,602,601	11,000
del	LAB	L 6699	19	39,592,001	39,602,801	10,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7424	19	39,674,201	39,681,601	7,400
del	LAB	L 6700	19	39,674,601	39,681,401	6,800
del	LAB	L 6701	19	39,749,801	39,770,201	20,400
del	HAB	H 7425	19	39,751,401	39,770,001	18,600
del	HAB	H 7426	19	40,036,801	40,045,201	8,400
del	HAB	H 7427	19	40,088,801	40,105,001	16,200
del	LAB	L 6702	19	40,089,001	40,101,401	12,400
del	HAB	H 7428	19	40,220,601	40,222,601	2,000
del	LAB	L 6703	19	40,220,601	40,222,601	2,000
del	HAB	H 7429	19	40,633,201	40,636,201	3,000
del	LAB	L 6704	19	40,633,601	40,636,001	2,400
del	HAB	H 7430	19	40,696,201	40,699,401	3,200
del	LAB	L 6705	19	40,696,401	40,699,001	2,600
del	LAB	L 6706	19	41,498,801	41,509,201	10,400
del	HAB	H 7431	19	41,499,001	41,509,401	10,400
del	HAB	H 7432	19	41,542,801	41,547,601	4,800
del	LAB	L 6707	19	41,542,801	41,547,201	4,400
del	LAB	L 6708	19	42,420,601	42,425,001	4,400
del	HAB	H 7433	19	42,629,801	42,633,401	3,600
del	LAB	L 6709	19	42,629,801	42,633,401	3,600
del	HAB	H 7434	19	43,072,801	43,080,401	7,600
del	LAB	L 6710	19	43,073,201	43,080,401	7,200
del	HAB	H 7435	19	43,149,601	43,156,401	6,800
del	LAB	L 6711	19	43,149,801	43,156,201	6,400
del	HAB	H 7436	19	44,239,801	44,246,201	6,400
del	LAB	L 6712	19	44,240,001	44,246,401	6,400
del	LAB	L 6713	19	44,293,001	44,299,401	6,400
del	HAB	H 7437	19	45,164,201	45,171,201	7,000
del	LAB	L 6714	19	45,164,601	45,171,201	6,600
del	LAB	L 6715	19	45,256,001	45,267,001	11,000
del	HAB	H 7438	19	45,258,801	45,265,201	6,400
del	LAB	L 6716	19	45,773,601	45,785,001	11,400
del	HAB	H 7439	19	47,664,801	47,677,401	12,600
del	LAB	L 6717	19	47,664,801	47,677,001	12,200
del	HAB	H 7440	19	48,300,201	48,307,201	7,000
del	LAB	L 6718	19	48,300,601	48,306,801	6,200
del	LAB	L 6719	19	49,411,401	49,420,801	9,400
del	HAB	H 7441	19	49,411,601	49,420,801	9,200
del	HAB	H 7442	19	49,531,801	49,546,601	14,800
del	LAB	L 6720	19	49,539,201	49,546,601	7,400
del	LAB	L 6721	19	50,182,601	50,188,801	6,200
del	HAB	H 7443	19	50,625,201	50,632,601	7,400
del	LAB	L 6722	19	50,625,401	50,632,401	7,000
del	LAB	L 6723	19	50,672,201	50,676,401	4,200
del	HAB	H 7444	19	50,672,601	50,676,801	4,200
del	LAB	L 6724	19	50,898,801	50,911,601	12,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7445	19	50,899,001	50,911,601	12,600
del	HAB	H 7446	19	51,512,801	51,519,201	6,400
del	LAB	L 6725	19	51,513,001	51,519,001	6,000
del	HAB	H 7447	19	51,539,801	51,546,001	6,200
del	LAB	L 6726	19	51,540,601	51,546,401	5,800
del	LAB	L 6727	19	51,618,001	51,627,001	9,000
del	HAB	H 7448	19	51,620,201	51,626,001	5,800
del	LAB	L 6728	19	52,227,401	52,231,001	3,600
del	LAB	L 6729	19	52,377,601	52,384,001	6,400
del	HAB	H 7449	19	52,850,601	52,855,801	5,200
del	LAB	L 6730	19	52,852,001	52,855,601	3,600
del	LAB	L 6731	19	53,042,401	53,045,601	3,200
del	LAB	L 6732	19	53,060,201	53,065,201	5,000
del	HAB	H 7450	19	53,597,401	53,600,801	3,400
del	LAB	L 6733	19	53,597,401	53,601,001	3,600
del	HAB	H 7451	19	53,767,401	53,771,401	4,000
del	LAB	L 6734	19	55,069,401	55,076,001	6,600
del	HAB	H 7452	19	57,588,601	57,595,401	6,800
del	LAB	L 6735	19	57,588,801	57,595,001	6,200
del	HAB	H 7453	19	57,901,401	57,907,201	5,800
del	LAB	L 6736	19	57,901,601	57,907,001	5,400
del	HAB	H 7454	19	59,296,401	59,299,201	2,800
del	LAB	L 6737	19	59,296,401	59,299,201	2,800
del	HAB	H 7455	19	59,678,801	59,686,601	7,800
del	LAB	L 6738	19	59,679,201	59,686,201	7,000
del	HAB	H 7456	19	59,738,201	59,740,801	2,600
del	LAB	L 6739	19	59,738,401	59,740,801	2,400
del	HAB	H 7457	19	59,889,801	59,896,401	6,600
del	LAB	L 6740	19	59,890,001	59,896,201	6,200
del	HAB	H 7458	19	59,947,801	59,951,001	3,200
del	LAB	L 6741	19	59,948,201	59,950,801	2,600
del	HAB	H 7459	19	60,094,601	60,101,601	7,000
del	LAB	L 6742	19	60,094,601	60,101,201	6,600
del	HAB	H 7460	19	60,157,401	60,168,401	11,000
del	LAB	L 6743	19	60,157,401	60,168,001	10,600
del	LAB	L 6744	19	60,421,001	60,430,601	9,600
del	HAB	H 7461	19	60,422,401	60,431,001	8,600
del	HAB	H 7462	19	60,714,401	60,726,401	12,000
del	LAB	L 6745	19	60,714,801	60,728,201	13,400
del	HAB	H 7463	19	61,001,401	61,009,801	8,400
del	HAB	H 7464	19	61,233,801	61,257,801	24,000
del	LAB	L 6746	19	61,235,201	61,256,001	20,800
del	LAB	L 6747	X	3,141,201	3,147,401	6,200
del	HAB	H 7465	X	3,252,401	3,276,001	23,600
del	LAB	L 6748	X	3,255,401	3,275,801	20,400
del	HAB	H 7466	X	3,414,601	3,420,001	5,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6749	X	3,415,001	3,419,801	4,800
del	HAB	H 7467	X	3,475,201	3,483,801	8,600
del	LAB	L 6750	X	3,475,401	3,483,801	8,400
del	LAB	L 6751	X	3,490,001	3,503,001	13,000
del	HAB	H 7468	X	3,490,201	3,503,001	12,800
del	HAB	H 7469	X	4,007,401	4,015,601	8,200
del	HAB	H 7470	X	4,148,401	4,151,601	3,200
del	LAB	L 6752	X	4,148,601	4,151,201	2,600
del	HAB	H 7471	X	4,163,001	4,171,601	8,600
del	LAB	L 6753	X	4,163,401	4,168,001	4,600
del	HAB	H 7472	X	4,426,801	4,435,001	8,200
del	LAB	L 6754	X	4,426,801	4,435,001	8,200
del	HAB	H 7473	X	4,705,601	4,716,001	10,400
del	HAB	H 7474	X	4,737,801	4,743,601	5,800
del	LAB	L 6755	X	4,737,801	4,743,401	5,600
del	HAB	H 7475	X	4,773,201	4,780,201	7,000
del	LAB	L 6756	X	4,773,401	4,780,001	6,600
del	HAB	H 7476	X	4,902,001	4,910,601	8,600
del	LAB	L 6757	X	4,902,401	4,910,601	8,200
del	HAB	H 7477	X	4,943,601	4,948,601	5,000
del	HAB	H 7478	X	4,970,601	4,976,201	5,600
del	LAB	L 6758	X	4,970,601	4,976,001	5,400
del	HAB	H 7479	X	5,124,401	5,149,401	25,000
del	LAB	L 6759	X	5,125,201	5,133,601	8,400
del	LAB	L 6760	X	5,138,801	5,145,201	6,400
del	HAB	H 7480	X	5,217,201	5,238,001	20,800
del	LAB	L 6761	X	5,218,001	5,238,001	20,000
del	HAB	H 7481	X	5,362,801	5,368,801	6,000
del	LAB	L 6762	X	5,363,201	5,368,801	5,600
del	HAB	H 7482	X	7,958,201	7,981,201	23,000
del	LAB	L 6763	X	7,958,201	7,981,201	23,000
del	HAB	H 7483	X	8,005,001	8,018,801	13,800
del	LAB	L 6764	X	8,005,001	8,018,801	13,800
del	LAB	L 6765	X	8,050,201	8,076,201	26,000
del	HAB	H 7484	X	8,050,401	8,076,401	26,000
del	HAB	H 7485	X	8,286,401	8,292,601	6,200
del	LAB	L 6766	X	8,286,801	8,292,601	5,800
del	HAB	H 7486	X	8,959,201	8,972,801	13,600
del	LAB	L 6767	X	8,959,401	8,972,001	12,600
del	HAB	H 7487	X	9,204,001	9,207,001	3,000
del	HAB	H 7488	X	9,283,801	9,296,001	12,200
del	LAB	L 6768	X	9,283,801	9,295,401	11,600
del	HAB	H 7489	X	10,875,801	10,904,801	29,000
del	LAB	L 6769	X	10,876,001	10,904,401	28,400
del	HAB	H 7490	X	13,522,001	13,529,201	7,200
del	HAB	H 7491	X	13,978,601	13,995,401	16,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6770	X	13,979,001	13,995,401	16,400
del	HAB	H 7492	X	14,141,201	14,149,001	7,800
del	LAB	L 6771	X	14,141,401	14,148,801	7,400
del	HAB	H 7493	X	14,156,601	14,162,001	5,400
del	LAB	L 6772	X	14,156,601	14,161,801	5,200
del	LAB	L 6773	X	14,281,401	14,287,001	5,600
del	HAB	H 7494	X	14,392,601	14,399,801	7,200
del	LAB	L 6774	X	14,394,201	14,399,201	5,000
del	HAB	H 7495	X	14,599,801	14,607,001	7,200
del	LAB	L 6775	X	14,600,001	14,606,801	6,800
del	HAB	H 7496	X	14,695,801	14,702,601	6,800
del	LAB	L 6776	X	14,696,001	14,702,601	6,600
del	HAB	H 7497	X	14,965,001	14,970,601	5,600
del	LAB	L 6777	X	14,966,801	14,970,201	3,400
del	HAB	H 7498	X	15,311,401	15,327,001	15,600
del	LAB	L 6778	X	15,311,401	15,327,001	15,600
del	HAB	H 7499	X	15,373,601	15,378,001	4,400
del	HAB	H 7500	X	15,439,001	15,447,001	8,000
del	LAB	L 6779	X	15,439,201	15,447,201	8,000
del	HAB	H 7501	X	15,529,201	15,533,601	4,400
del	HAB	H 7502	X	15,792,801	15,796,801	4,000
del	LAB	L 6780	X	15,793,001	15,797,001	4,000
del	LAB	L 6781	X	15,874,801	15,888,801	14,000
del	HAB	H 7503	X	15,876,001	15,889,801	13,800
del	HAB	H 7504	X	15,975,801	15,982,601	6,800
del	LAB	L 6782	X	15,976,201	15,982,801	6,600
del	HAB	H 7505	X	16,055,001	16,076,801	21,800
del	LAB	L 6783	X	16,056,001	16,076,801	20,800
del	HAB	H 7506	X	16,443,001	16,454,201	11,200
del	HAB	H 7507	X	16,620,601	16,633,601	13,000
del	LAB	L 6784	X	16,621,401	16,633,401	12,000
del	HAB	H 7508	X	17,022,001	17,027,001	5,000
del	HAB	H 7509	X	17,073,401	17,082,001	8,600
del	LAB	L 6785	X	17,073,601	17,081,601	8,000
del	HAB	H 7510	X	17,223,001	17,229,201	6,200
del	LAB	L 6786	X	17,223,401	17,229,201	5,800
del	HAB	H 7511	X	17,870,601	17,880,601	10,000
del	LAB	L 6787	X	17,870,601	17,880,401	9,800
del	HAB	H 7512	X	18,381,601	18,392,001	10,400
del	HAB	H 7513	X	18,473,001	18,480,001	7,000
del	LAB	L 6788	X	18,473,201	18,480,001	6,800
del	HAB	H 7514	X	19,091,001	19,094,801	3,800
del	HAB	H 7515	X	19,142,801	19,148,201	5,400
del	LAB	L 6789	X	19,216,201	19,238,001	21,800
del	HAB	H 7516	X	19,216,801	19,238,801	22,000
del	HAB	H 7517	X	19,354,001	19,363,001	9,000



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6790	X	19,354,001	19,363,001	9,000
del	LAB	L 6791	X	19,405,001	19,418,601	13,600
del	HAB	H 7518	X	19,405,201	19,419,601	14,400
del	HAB	H 7519	X	19,501,801	19,515,601	13,800
del	LAB	L 6792	X	19,502,001	19,516,001	14,000
del	HAB	H 7520	X	19,791,801	19,795,001	3,200
del	HAB	H 7521	X	20,177,401	20,181,801	4,400
del	HAB	H 7522	X	21,420,601	21,428,201	7,600
del	LAB	L 6793	X	21,420,801	21,428,401	7,600
del	HAB	H 7523	X	21,449,201	21,455,801	6,600
del	LAB	L 6794	X	21,449,601	21,455,601	6,000
del	LAB	L 6795	X	21,555,401	21,567,401	12,000
del	HAB	H 7524	X	21,556,401	21,567,201	10,800
del	HAB	H 7525	X	21,602,801	21,612,601	9,800
del	HAB	H 7526	X	22,084,201	22,090,001	5,800
del	LAB	L 6796	X	22,084,401	22,089,601	5,200
del	HAB	H 7527	X	22,097,201	22,116,801	19,600
del	LAB	L 6797	X	22,097,401	22,106,801	9,400
del	HAB	H 7528	X	22,148,201	22,151,401	3,200
del	LAB	L 6798	X	22,344,601	22,352,401	7,800
del	HAB	H 7529	X	22,344,801	22,352,201	7,400
del	HAB	H 7530	X	22,453,401	22,467,801	14,400
del	LAB	L 6799	X	22,453,401	22,470,601	17,200
del	HAB	H 7531	X	22,555,801	22,560,401	4,600
del	HAB	H 7532	X	22,679,401	22,684,201	4,800
del	LAB	L 6800	X	22,679,401	22,683,401	4,000
del	HAB	H 7533	X	23,116,001	23,122,001	6,000
del	LAB	L 6801	X	23,116,401	23,121,801	5,400
del	HAB	H 7534	X	23,677,201	23,682,801	5,600
del	LAB	L 6802	X	23,677,201	23,682,601	5,400
del	HAB	H 7535	X	24,098,801	24,109,001	10,200
del	LAB	L 6803	X	24,099,001	24,109,001	10,000
del	HAB	H 7536	X	24,154,801	24,161,001	6,200
del	HAB	H 7537	X	24,273,401	24,283,601	10,200
del	LAB	L 6804	X	24,274,001	24,283,601	9,600
del	LAB	L 6805	X	24,535,801	24,543,601	7,800
del	HAB	H 7538	X	24,921,401	24,931,201	9,800
del	LAB	L 6806	X	24,922,001	24,931,001	9,000
del	HAB	H 7539	X	25,188,601	25,198,401	9,800
del	LAB	L 6807	X	25,190,801	25,198,601	7,800
del	HAB	H 7540	X	25,565,201	25,575,601	10,400
del	LAB	L 6808	X	25,568,201	25,575,201	7,000
del	HAB	H 7541	X	25,625,401	25,640,801	15,400
del	LAB	L 6809	X	25,626,201	25,639,601	13,400
del	HAB	H 7542	X	26,005,001	26,011,001	6,000
del	HAB	H 7543	X	26,097,001	26,107,801	10,800

type	mouse line	no.	chr	start	end	size
del	HAB	H 7544	X	26,580,201	26,587,001	6,800
del	LAB	L 6810	X	26,580,201	26,586,401	6,200
del	LAB	L 6811	X	26,982,801	26,988,601	5,800
del	HAB	H 7545	X	26,983,001	26,988,601	5,600
del	HAB	H 7546	X	27,327,801	27,343,401	15,600
del	HAB	H 7547	X	27,501,801	27,509,801	8,000
del	LAB	L 6812	X	27,502,001	27,509,601	7,600
del	LAB	L 6813	X	27,990,601	27,997,601	7,000
del	HAB	H 7548	X	27,990,801	27,998,001	7,200
del	HAB	H 7549	X	28,337,201	28,342,801	5,600
del	HAB	H 7550	X	28,501,801	28,510,001	8,200
del	LAB	L 6814	X	28,502,201	28,509,801	7,600
del	HAB	H 7551	X	28,913,201	28,916,401	3,200
del	HAB	H 7552	X	29,004,401	29,007,201	2,800
del	HAB	H 7553	X	29,042,801	29,049,801	7,000
del	LAB	L 6815	X	29,042,801	29,050,001	7,200
del	HAB	H 7554	X	29,167,201	29,172,201	5,000
del	HAB	H 7555	X	29,381,401	29,389,201	7,800
del	LAB	L 6816	X	29,383,001	29,389,201	6,200
del	HAB	H 7556	X	29,698,601	29,704,801	6,200
del	LAB	L 6817	X	29,698,801	29,704,801	6,000
del	HAB	H 7557	X	30,042,401	30,048,801	6,400
del	LAB	L 6818	X	30,042,401	30,048,201	5,800
del	HAB	H 7558	X	30,305,001	30,313,001	8,000
del	HAB	H 7559	X	30,460,601	30,467,801	7,200
del	LAB	L 6819	X	30,460,801	30,467,201	6,400
del	HAB	H 7560	X	30,543,801	30,549,201	5,400
del	LAB	L 6820	X	30,544,001	30,549,001	5,000
del	HAB	H 7561	X	30,639,001	30,642,201	3,200
del	LAB	L 6821	X	30,639,201	30,642,201	3,000
del	HAB	H 7562	X	30,789,601	30,797,401	7,800
del	LAB	L 6822	X	30,789,601	30,797,001	7,400
del	HAB	H 7563	X	30,830,801	30,841,201	10,400
del	LAB	L 6823	X	30,830,801	30,841,401	10,600
del	HAB	H 7564	X	30,958,001	30,966,001	8,000
del	HAB	H 7565	X	31,306,801	31,310,401	3,600
del	LAB	L 6824	X	31,307,001	31,310,201	3,200
del	HAB	H 7566	X	31,335,401	31,339,601	4,200
del	HAB	H 7567	X	31,362,601	31,371,001	8,400
del	LAB	L 6825	X	31,363,001	31,371,001	8,000
del	HAB	H 7568	X	31,407,201	31,421,601	14,400
del	LAB	L 6826	X	31,407,201	31,421,201	14,000
del	HAB	H 7569	X	31,449,601	31,455,201	5,600
del	LAB	L 6827	X	31,450,201	31,454,801	4,600
del	HAB	H 7570	X	31,669,401	31,684,201	14,800
del	LAB	L 6828	X	31,669,601	31,676,401	6,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 6829	X	31,681,201	31,683,801	2,600
del	HAB	H 7571	X	31,729,601	31,736,001	6,400
del	LAB	L 6830	X	31,729,801	31,735,601	5,800
del	HAB	H 7572	X	31,812,601	31,820,801	8,200
del	HAB	H 7573	X	32,016,601	32,031,201	14,600
del	LAB	L 6831	X	32,017,001	32,030,801	13,800
del	HAB	H 7574	X	32,116,601	32,121,201	4,600
del	LAB	L 6832	X	32,116,801	32,120,801	4,000
del	HAB	H 7575	X	32,140,001	32,150,201	10,200
del	LAB	L 6833	X	32,141,401	32,149,801	8,400
del	LAB	L 6834	X	32,521,601	32,528,201	6,600
del	HAB	H 7576	X	32,841,801	32,849,601	7,800
del	LAB	L 6835	X	32,842,801	32,849,801	7,000
del	HAB	H 7577	X	33,038,401	33,052,201	13,800
del	LAB	L 6836	X	33,038,601	33,052,001	13,400
del	HAB	H 7578	X	33,187,001	33,197,201	10,200
del	HAB	H 7579	X	33,369,001	33,375,401	6,400
del	LAB	L 6837	X	33,369,601	33,375,401	5,800
del	LAB	L 6838	X	33,982,201	34,015,601	33,400
del	HAB	H 7580	X	33,982,601	34,015,201	32,600
del	HAB	H 7581	X	34,946,001	34,953,201	7,200
del	HAB	H 7582	X	36,189,601	36,196,001	6,400
del	LAB	L 6839	X	36,189,801	36,195,801	6,000
del	HAB	H 7583	X	36,200,801	36,206,201	5,400
del	LAB	L 6840	X	36,479,201	36,501,601	22,400
del	HAB	H 7584	X	36,479,801	36,501,601	21,800
del	HAB	H 7585	X	36,681,401	36,685,601	4,200
del	HAB	H 7586	X	36,710,001	36,727,401	17,400
del	LAB	L 6841	X	36,710,201	36,727,801	17,600
del	HAB	H 7587	X	36,945,001	36,948,801	3,800
del	LAB	L 6842	X	36,945,001	36,961,001	16,000
del	HAB	H 7588	X	36,973,601	36,988,201	14,600
del	HAB	H 7589	X	37,372,601	37,376,801	4,200
del	LAB	L 6843	X	37,372,601	37,376,401	3,800
del	HAB	H 7590	X	37,656,001	37,670,001	14,000
del	LAB	L 6844	X	37,658,001	37,670,001	12,000
del	LAB	L 6845	X	37,826,001	37,831,801	5,800
del	HAB	H 7591	X	37,826,201	37,832,201	6,000
del	HAB	H 7592	X	38,184,001	38,187,801	3,800
del	HAB	H 7593	X	38,296,801	38,308,601	11,800
del	LAB	L 6846	X	38,296,801	38,308,401	11,600
del	HAB	H 7594	X	38,453,401	38,459,401	6,000
del	HAB	H 7595	X	38,530,401	38,545,601	15,200
del	LAB	L 6847	X	38,530,801	38,546,001	15,200
del	HAB	H 7596	X	39,130,001	39,134,201	4,200
del	LAB	L 6848	X	39,130,201	39,133,601	3,400

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7597	X	39,342,001	39,353,601	11,600
del	HAB	H 7598	X	41,236,201	41,240,801	4,600
del	LAB	L 6849	X	41,236,601	41,240,001	3,400
del	HAB	H 7599	X	41,365,601	41,376,201	10,600
del	LAB	L 6850	X	41,365,801	41,376,401	10,600
del	HAB	H 7600	X	41,463,001	41,468,001	5,000
del	LAB	L 6851	X	41,463,401	41,467,401	4,000
del	HAB	H 7601	X	41,596,401	41,618,201	21,800
del	LAB	L 6852	X	41,597,001	41,618,001	21,000
del	HAB	H 7602	X	41,637,401	41,644,801	7,400
del	HAB	H 7603	X	41,916,801	41,924,601	7,800
del	LAB	L 6853	X	41,916,801	41,924,601	7,800
del	LAB	L 6854	X	41,993,801	42,008,201	14,400
del	HAB	H 7604	X	41,995,401	42,008,801	13,400
del	HAB	H 7605	X	42,361,801	42,368,201	6,400
del	LAB	L 6855	X	42,361,801	42,367,601	5,800
del	HAB	H 7606	X	42,539,201	42,559,001	19,800
del	LAB	L 6856	X	42,539,201	42,566,601	27,400
del	HAB	H 7607	X	42,728,801	42,735,001	6,200
del	LAB	L 6857	X	42,729,401	42,735,201	5,800
del	HAB	H 7608	X	43,570,601	43,577,201	6,600
del	LAB	L 6858	X	43,570,601	43,577,001	6,400
del	HAB	H 7609	X	43,607,001	43,616,201	9,200
del	HAB	H 7610	X	43,806,801	43,819,401	12,600
del	LAB	L 6859	X	43,813,401	43,819,601	6,200
del	LAB	L 6860	X	44,705,001	44,708,801	3,800
del	HAB	H 7611	X	44,796,201	44,802,001	5,800
del	LAB	L 6861	X	44,796,601	44,803,001	6,400
del	HAB	H 7612	X	45,029,001	45,038,001	9,000
del	LAB	L 6862	X	45,031,401	45,038,001	6,600
del	LAB	L 6863	X	45,217,401	45,226,801	9,400
del	HAB	H 7613	X	45,217,601	45,226,801	9,200
del	HAB	H 7614	X	46,648,801	46,656,601	7,800
del	LAB	L 6864	X	46,649,001	46,656,401	7,400
del	HAB	H 7615	X	46,705,201	46,718,001	12,800
del	LAB	L 6865	X	46,705,401	46,718,001	12,600
del	LAB	L 6866	X	46,770,201	46,779,401	9,200
del	HAB	H 7616	X	46,770,601	46,780,201	9,600
del	HAB	H 7617	X	46,910,001	46,920,801	10,800
del	HAB	H 7618	X	46,958,401	46,967,401	9,000
del	LAB	L 6867	X	46,959,601	46,967,201	7,600
del	HAB	H 7619	X	47,055,401	47,072,801	17,400
del	LAB	L 6868	X	47,063,401	47,072,601	9,200
del	HAB	H 7620	X	47,202,601	47,207,601	5,000
del	LAB	L 6869	X	47,517,401	47,532,401	15,000
del	HAB	H 7621	X	47,518,001	47,544,201	26,200

type	mouse line	no.	chr	start	end	size
del	LAB	L 6870	X	47,537,201	47,543,601	6,400
del	HAB	H 7622	X	47,702,401	47,713,201	10,800
del	LAB	L 6871	X	47,702,401	47,713,201	10,800
del	HAB	H 7623	X	47,735,801	47,754,601	18,800
del	LAB	L 6872	X	47,736,201	47,745,201	9,000
del	HAB	H 7624	X	47,863,401	47,890,201	26,800
del	LAB	L 6873	X	47,863,601	47,887,001	23,400
del	LAB	L 6874	X	47,930,801	47,936,401	5,600
del	HAB	H 7625	X	47,931,001	47,936,801	5,800
del	HAB	H 7626	X	47,950,601	47,967,201	16,600
del	HAB	H 7627	X	48,615,001	48,624,201	9,200
del	LAB	L 6875	X	48,615,201	48,633,001	17,800
del	HAB	H 7628	X	49,272,201	49,284,001	11,800
del	LAB	L 6876	X	49,272,601	49,283,601	11,000
del	HAB	H 7629	X	51,106,001	51,117,201	11,200
del	LAB	L 6877	X	51,106,201	51,116,601	10,400
del	LAB	L 6878	X	51,416,401	51,422,401	6,000
del	HAB	H 7630	X	51,416,601	51,422,601	6,000
del	HAB	H 7631	X	52,718,201	52,725,201	7,000
del	LAB	L 6879	X	52,936,401	52,946,401	10,000
del	HAB	H 7632	X	52,936,601	52,944,201	7,600
del	LAB	L 6880	X	53,228,601	53,235,001	6,400
del	HAB	H 7633	X	53,229,001	53,237,201	8,200
del	HAB	H 7634	X	53,363,401	53,378,201	14,800
del	LAB	L 6881	X	53,363,401	53,378,201	14,800
del	LAB	L 6882	X	54,819,001	54,831,001	12,000
del	HAB	H 7635	X	54,819,201	54,830,201	11,000
del	HAB	H 7636	X	54,847,001	54,851,401	4,400
del	LAB	L 6883	X	55,458,401	55,468,601	10,200
del	HAB	H 7637	X	55,459,401	55,473,001	13,600
del	HAB	H 7638	X	55,587,001	55,592,201	5,200
del	LAB	L 6884	X	55,587,001	55,592,201	5,200
del	HAB	H 7639	X	56,043,801	56,058,601	14,800
del	LAB	L 6885	X	56,043,801	56,058,401	14,600
del	HAB	H 7640	X	56,885,801	56,905,401	19,600
del	LAB	L 6886	X	56,886,001	56,905,001	19,000
del	HAB	H 7641	X	56,913,801	56,926,401	12,600
del	LAB	L 6887	X	56,914,401	56,927,001	12,600
del	HAB	H 7642	X	57,097,001	57,113,401	16,400
del	LAB	L 6888	X	57,108,401	57,112,801	4,400
del	HAB	H 7643	X	57,187,801	57,193,001	5,200
del	LAB	L 6889	X	57,187,801	57,192,401	4,600
del	HAB	H 7644	X	57,451,201	57,459,401	8,200
del	LAB	L 6890	X	57,451,601	57,459,401	7,800
del	LAB	L 6891	X	58,507,201	58,514,001	6,800
del	HAB	H 7645	X	58,508,401	58,514,201	5,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7646	X	58,588,401	58,603,601	15,200
del	LAB	L 6892	X	58,588,401	58,592,601	4,200
del	LAB	L 6893	X	58,598,601	58,603,601	5,000
del	HAB	H 7647	X	58,812,401	58,815,801	3,400
del	LAB	L 6894	X	58,812,801	58,815,801	3,000
del	LAB	L 6895	X	59,115,801	59,123,201	7,400
del	HAB	H 7648	X	59,116,001	59,123,401	7,400
del	LAB	L 6896	X	59,210,401	59,216,601	6,200
del	HAB	H 7649	X	59,210,601	59,226,201	15,600
del	HAB	H 7650	X	59,447,801	59,455,401	7,600
del	LAB	L 6897	X	59,447,801	59,455,201	7,400
del	LAB	L 6898	X	59,773,801	59,807,401	33,600
del	HAB	H 7651	X	59,774,601	59,807,201	32,600
del	HAB	H 7652	X	59,877,001	59,884,001	7,000
del	LAB	L 6899	X	59,877,201	59,884,201	7,000
del	HAB	H 7653	X	59,956,001	59,966,401	10,400
del	LAB	L 6900	X	59,956,001	59,966,001	10,000
del	LAB	L 6901	X	60,142,801	60,167,201	24,400
del	HAB	H 7654	X	60,143,201	60,167,401	24,200
del	HAB	H 7655	X	60,192,801	60,206,001	13,200
del	LAB	L 6902	X	60,193,201	60,205,401	12,200
del	HAB	H 7656	X	61,089,201	61,105,201	16,000
del	LAB	L 6903	X	61,091,201	61,104,801	13,600
del	LAB	L 6904	X	61,134,001	61,140,001	6,000
del	HAB	H 7657	X	61,134,801	61,142,201	7,400
del	LAB	L 6905	X	61,288,401	61,292,601	4,200
del	HAB	H 7658	X	61,288,601	61,292,601	4,000
del	HAB	H 7659	X	62,007,801	62,012,601	4,800
del	LAB	L 6906	X	62,007,801	62,012,201	4,400
del	HAB	H 7660	X	62,141,401	62,147,601	6,200
del	LAB	L 6907	X	62,141,801	62,147,401	5,600
del	LAB	L 6908	X	62,337,201	62,340,801	3,600
del	HAB	H 7661	X	62,405,601	62,424,201	18,600
del	LAB	L 6909	X	62,405,801	62,417,201	11,400
del	HAB	H 7662	X	62,789,601	62,793,201	3,600
del	HAB	H 7663	X	62,921,401	62,932,001	10,600
del	LAB	L 6910	X	62,924,601	62,932,001	7,400
del	HAB	H 7664	X	63,235,201	63,252,401	17,200
del	LAB	L 6911	X	63,235,401	63,254,801	19,400
del	HAB	H 7665	X	63,582,401	63,600,401	18,000
del	LAB	L 6912	X	63,583,001	63,598,401	15,400
del	HAB	H 7666	X	63,792,201	63,794,401	2,200
del	HAB	H 7667	X	64,076,201	64,092,401	16,200
del	LAB	L 6913	X	64,076,201	64,091,401	15,200
del	HAB	H 7668	X	64,269,401	64,288,401	19,000
del	LAB	L 6914	X	64,269,401	64,288,201	18,800

type	mouse line	no.	chr	start	end	size
del	LAB	L 6915	X	64,699,801	64,707,201	7,400
del	HAB	H 7669	X	64,701,401	64,707,001	5,600
del	LAB	L 6916	X	64,788,201	64,800,601	12,400
del	HAB	H 7670	X	64,790,201	64,802,001	11,800
del	HAB	H 7671	X	65,151,201	65,163,401	12,200
del	LAB	L 6917	X	65,151,401	65,163,601	12,200
del	HAB	H 7672	X	65,416,401	65,429,201	12,800
del	LAB	L 6918	X	65,416,801	65,429,001	12,200
del	HAB	H 7673	X	65,593,001	65,599,601	6,600
del	HAB	H 7674	X	65,607,001	65,611,201	4,200
del	HAB	H 7675	X	65,618,201	65,629,001	10,800
del	LAB	L 6919	X	65,621,401	65,629,001	7,600
del	HAB	H 7676	X	65,774,001	65,780,001	6,000
del	LAB	L 6920	X	65,774,201	65,780,201	6,000
del	HAB	H 7677	X	66,074,601	66,078,201	3,600
del	HAB	H 7678	X	66,222,001	66,225,401	3,400
del	HAB	H 7679	X	66,260,801	66,278,001	17,200
del	LAB	L 6921	X	66,261,201	66,277,201	16,000
del	HAB	H 7680	X	67,189,201	67,195,001	5,800
del	LAB	L 6922	X	67,189,201	67,193,601	4,400
del	HAB	H 7681	X	67,315,601	67,326,201	10,600
del	LAB	L 6923	X	67,315,601	67,325,801	10,200
del	HAB	H 7682	X	67,502,001	67,532,401	30,400
del	LAB	L 6924	X	67,502,001	67,532,601	30,600
del	LAB	L 6925	X	67,662,401	67,666,001	3,600
del	HAB	H 7683	X	67,662,601	67,666,201	3,600
del	LAB	L 6926	X	67,908,201	67,913,401	5,200
del	HAB	H 7684	X	67,909,801	67,913,401	3,600
del	HAB	H 7685	X	67,990,001	67,996,401	6,400
del	LAB	L 6927	X	67,990,001	67,996,201	6,200
del	HAB	H 7686	X	68,109,601	68,114,801	5,200
del	LAB	L 6928	X	68,110,401	68,115,001	4,600
del	HAB	H 7687	X	69,346,201	69,353,001	6,800
del	HAB	H 7688	X	69,368,201	69,374,201	6,000
del	LAB	L 6929	X	69,423,801	69,433,801	10,000
del	HAB	H 7689	X	69,424,201	69,429,001	4,800
del	HAB	H 7690	X	69,546,001	69,554,001	8,000
del	LAB	L 6930	X	69,546,001	69,553,401	7,400
del	HAB	H 7691	X	69,818,601	69,837,401	18,800
del	LAB	L 6931	X	69,818,601	69,837,601	19,000
del	HAB	H 7692	X	69,858,201	69,869,201	11,000
del	LAB	L 6932	X	69,858,601	69,868,801	10,200
del	HAB	H 7693	X	70,182,401	70,193,801	11,400
del	LAB	L 6933	X	70,183,201	70,187,201	4,000
del	HAB	H 7694	X	70,413,801	70,420,401	6,600
del	LAB	L 6934	X	70,414,001	70,420,201	6,200

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7695	X	71,777,601	71,794,801	17,200
del	LAB	L 6935	X	71,778,601	71,782,401	3,800
del	HAB	H 7696	X	71,951,401	71,955,801	4,400
del	LAB	L 6936	X	72,595,401	72,606,601	11,200
del	HAB	H 7697	X	72,595,601	72,607,001	11,400
del	HAB	H 7698	X	72,827,601	72,843,201	15,600
del	LAB	L 6937	X	72,827,801	72,843,001	15,200
del	HAB	H 7699	X	72,855,001	72,884,401	29,400
del	LAB	L 6938	X	72,855,401	72,871,201	15,800
del	HAB	H 7700	X	72,974,401	73,006,801	32,400
del	LAB	L 6939	X	72,974,601	73,006,401	31,800
del	HAB	H 7701	X	73,182,801	73,195,401	12,600
del	LAB	L 6940	X	73,183,001	73,195,401	12,400
del	LAB	L 6941	X	73,286,601	73,306,401	19,800
del	HAB	H 7702	X	73,482,201	73,494,601	12,400
del	HAB	H 7703	X	73,591,001	73,594,601	3,600
del	LAB	L 6942	X	73,591,401	73,594,601	3,200
del	LAB	L 6943	X	73,794,201	73,809,601	15,400
del	HAB	H 7704	X	73,794,401	73,811,001	16,600
del	HAB	H 7705	X	73,834,001	73,839,801	5,800
del	LAB	L 6944	X	73,834,001	73,840,001	6,000
del	HAB	H 7706	X	73,981,001	73,990,001	9,000
del	LAB	L 6945	X	73,983,401	73,990,001	6,600
del	HAB	H 7707	X	74,004,201	74,014,001	9,800
del	LAB	L 6946	X	74,074,201	74,092,601	18,400
del	HAB	H 7708	X	74,074,401	74,092,401	18,000
del	LAB	L 6947	X	74,377,801	74,389,601	11,800
del	HAB	H 7709	X	74,380,601	74,389,601	9,000
del	HAB	H 7710	X	74,494,801	74,520,401	25,600
del	LAB	L 6948	X	74,495,001	74,519,801	24,800
del	HAB	H 7711	X	74,583,601	74,590,401	6,800
del	LAB	L 6949	X	74,583,601	74,590,801	7,200
del	HAB	H 7712	X	75,126,601	75,151,401	24,800
del	LAB	L 6950	X	75,133,401	75,150,601	17,200
del	LAB	L 6951	X	75,181,401	75,201,401	20,000
del	HAB	H 7713	X	75,182,001	75,201,401	19,400
del	HAB	H 7714	X	75,404,401	75,414,201	9,800
del	LAB	L 6952	X	75,404,601	75,413,201	8,600
del	HAB	H 7715	X	75,534,401	75,542,401	8,000
del	LAB	L 6953	X	75,534,401	75,544,401	10,000
del	HAB	H 7716	X	75,574,601	75,598,601	24,000
del	LAB	L 6954	X	75,574,601	75,598,001	23,400
del	HAB	H 7717	X	75,882,601	75,890,401	7,800
del	LAB	L 6955	X	75,882,801	75,890,601	7,800
del	LAB	L 6956	X	76,054,201	76,063,001	8,800
del	HAB	H 7718	X	76,054,601	76,063,801	9,200



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 6957	X	76,940,201	76,957,601	17,400
del	HAB	H 7719	X	76,949,801	76,958,001	8,200
del	HAB	H 7720	X	77,060,001	77,064,801	4,800
del	LAB	L 6958	X	77,060,001	77,064,401	4,400
del	HAB	H 7721	X	77,339,601	77,349,801	10,200
del	LAB	L 6959	X	77,339,801	77,349,401	9,600
del	HAB	H 7722	X	77,627,401	77,635,801	8,400
del	LAB	L 6960	X	77,627,801	77,635,601	7,800
del	HAB	H 7723	X	77,985,601	77,992,601	7,000
del	LAB	L 6961	X	77,986,001	77,992,601	6,600
del	HAB	H 7724	X	78,200,401	78,227,801	27,400
del	LAB	L 6962	X	78,200,401	78,217,201	16,800
del	LAB	L 6963	X	78,223,201	78,227,601	4,400
del	HAB	H 7725	X	78,438,201	78,456,201	18,000
del	LAB	L 6964	X	78,443,001	78,456,001	13,000
del	HAB	H 7726	X	78,808,801	78,821,201	12,400
del	LAB	L 6965	X	78,808,801	78,820,801	12,000
del	HAB	H 7727	X	78,876,401	78,890,801	14,400
del	LAB	L 6966	X	78,876,801	78,885,801	9,000
del	HAB	H 7728	X	79,114,201	79,118,601	4,400
del	LAB	L 6967	X	79,114,201	79,118,401	4,200
del	HAB	H 7729	X	79,282,401	79,292,801	10,400
del	LAB	L 6968	X	79,282,601	79,291,401	8,800
del	HAB	H 7730	X	79,454,601	79,466,601	12,000
del	LAB	L 6969	X	79,897,801	79,910,801	13,000
del	HAB	H 7731	X	79,898,001	79,914,601	16,600
del	HAB	H 7732	X	80,744,001	80,760,801	16,800
del	LAB	L 6970	X	80,744,401	80,760,601	16,200
del	HAB	H 7733	X	80,786,401	80,798,001	11,600
del	LAB	L 6971	X	80,786,401	80,797,601	11,200
del	LAB	L 6972	X	83,468,201	83,471,801	3,600
del	HAB	H 7734	X	83,468,401	83,471,801	3,400
del	HAB	H 7735	X	83,818,801	83,833,201	14,400
del	LAB	L 6973	X	83,818,801	83,841,001	22,200
del	HAB	H 7736	X	84,705,401	84,712,401	7,000
del	HAB	H 7737	X	84,913,801	84,915,601	1,800
del	HAB	H 7738	X	85,598,001	85,601,801	3,800
del	LAB	L 6974	X	85,598,001	85,602,201	4,200
del	HAB	H 7739	X	85,923,401	85,927,201	3,800
del	HAB	H 7740	X	86,128,801	86,139,201	10,400
del	LAB	L 6975	X	86,129,001	86,139,201	10,200
del	HAB	H 7741	X	86,234,201	86,239,201	5,000
del	LAB	L 6976	X	86,234,401	86,238,801	4,400
del	HAB	H 7742	X	86,304,401	86,324,001	19,600
del	LAB	L 6977	X	86,304,401	86,324,201	19,800
del	LAB	L 6978	X	86,439,201	86,457,001	17,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7743	X	86,439,801	86,457,201	17,400
del	HAB	H 7744	X	86,551,801	86,557,201	5,400
del	LAB	L 6979	X	86,552,201	86,569,801	17,600
del	HAB	H 7745	X	86,734,801	86,744,601	9,800
del	LAB	L 6980	X	86,735,001	86,745,001	10,000
del	HAB	H 7746	X	87,387,801	87,395,201	7,400
del	LAB	L 6981	X	87,388,001	87,395,001	7,000
del	HAB	H 7747	X	87,420,601	87,424,801	4,200
del	HAB	H 7748	X	87,895,401	87,900,201	4,800
del	LAB	L 6982	X	87,895,601	87,899,401	3,800
del	HAB	H 7749	X	88,370,601	88,374,601	4,000
del	LAB	L 6983	X	88,371,001	88,374,601	3,600
del	HAB	H 7750	X	88,541,001	88,548,401	7,400
del	LAB	L 6984	X	88,541,801	88,548,201	6,400
del	HAB	H 7751	X	88,558,801	88,573,001	14,200
del	LAB	L 6985	X	88,559,001	88,573,201	14,200
del	HAB	H 7752	X	88,829,801	88,844,801	15,000
del	LAB	L 6986	X	88,829,801	88,844,801	15,000
del	HAB	H 7753	X	89,043,001	89,048,201	5,200
del	LAB	L 6987	X	89,043,001	89,048,001	5,000
del	HAB	H 7754	X	89,062,201	89,069,401	7,200
del	HAB	H 7755	X	89,086,601	89,090,201	3,600
del	LAB	L 6988	X	89,086,601	89,089,401	2,800
del	LAB	L 6989	X	89,265,001	89,284,601	19,600
del	HAB	H 7756	X	89,265,401	89,284,001	18,600
del	LAB	L 6990	X	89,455,201	89,467,801	12,600
del	HAB	H 7757	X	89,455,601	89,468,801	13,200
del	HAB	H 7758	X	89,543,201	89,548,001	4,800
del	LAB	L 6991	X	89,543,201	89,547,801	4,600
del	LAB	L 6992	X	89,814,401	89,821,801	7,400
del	HAB	H 7759	X	89,814,601	89,821,801	7,200
del	HAB	H 7760	X	89,854,601	89,872,801	18,200
del	LAB	L 6993	X	89,861,601	89,869,201	7,600
del	HAB	H 7761	X	89,954,801	89,958,001	3,200
del	LAB	L 6994	X	89,954,801	89,957,601	2,800
del	HAB	H 7762	X	90,150,401	90,166,801	16,400
del	LAB	L 6995	X	90,150,401	90,166,801	16,400
del	HAB	H 7763	X	92,118,201	92,177,001	58,800
del	LAB	L 6996	X	92,119,001	92,176,401	57,400
del	HAB	H 7764	X	92,466,801	92,480,401	13,600
del	LAB	L 6997	X	92,468,001	92,480,401	12,400
del	LAB	L 6998	X	92,884,401	92,894,401	10,000
del	HAB	H 7765	X	92,884,801	92,895,801	11,000
del	HAB	H 7766	X	92,945,801	92,956,401	10,600
del	LAB	L 6999	X	92,946,001	92,950,201	4,200
del	HAB	H 7767	X	93,450,001	93,466,801	16,800

type	mouse line	no.	chr	start	end	size
del	HAB	H 7768	X	93,582,201	93,607,601	25,400
del	LAB	L 7000	X	93,582,401	93,607,601	25,200
del	HAB	H 7769	X	93,730,801	93,738,401	7,600
del	LAB	L 7001	X	93,730,801	93,738,601	7,800
del	HAB	H 7770	X	94,501,001	94,513,001	12,000
del	LAB	L 7002	X	94,501,601	94,511,001	9,400
del	HAB	H 7771	X	94,685,201	94,696,001	10,800
del	LAB	L 7003	X	94,685,601	94,695,401	9,800
del	HAB	H 7772	X	94,781,401	94,787,601	6,200
del	LAB	L 7004	X	94,781,401	94,787,201	5,800
del	LAB	L 7005	X	95,079,201	95,102,201	23,000
del	HAB	H 7773	X	95,079,801	95,102,601	22,800
del	LAB	L 7006	X	95,154,201	95,179,201	25,000
del	HAB	H 7774	X	95,154,401	95,173,201	18,800
del	LAB	L 7007	X	95,208,601	95,231,201	22,600
del	HAB	H 7775	X	95,209,201	95,231,401	22,200
del	HAB	H 7776	X	95,298,001	95,316,401	18,400
del	LAB	L 7008	X	95,298,401	95,316,601	18,200
del	LAB	L 7009	X	95,778,801	95,789,801	11,000
del	HAB	H 7777	X	95,779,601	95,801,401	21,800
del	HAB	H 7778	X	95,936,801	95,940,801	4,000
del	LAB	L 7010	X	95,937,001	95,940,801	3,800
del	HAB	H 7779	X	97,195,801	97,207,801	12,000
del	HAB	H 7780	X	97,954,401	97,960,801	6,400
del	HAB	H 7781	X	98,218,401	98,224,601	6,200
del	LAB	L 7011	X	98,218,601	98,224,601	6,000
del	LAB	L 7012	X	99,775,201	99,778,401	3,200
del	LAB	L 7013	X	100,160,401	100,165,601	5,200
del	HAB	H 7782	X	100,321,601	100,333,601	12,000
del	LAB	L 7014	X	100,322,001	100,333,201	11,200
del	HAB	H 7783	X	101,977,801	102,004,601	26,800
del	LAB	L 7015	X	101,986,001	102,005,601	19,600
del	HAB	H 7784	X	102,064,001	102,069,201	5,200
del	LAB	L 7016	X	102,064,201	102,069,201	5,000
del	HAB	H 7785	X	102,160,801	102,164,401	3,600
del	LAB	L 7017	X	102,161,001	102,165,001	4,000
del	HAB	H 7786	X	102,221,001	102,225,001	4,000
del	LAB	L 7018	X	102,221,601	102,224,601	3,000
del	HAB	H 7787	X	102,440,401	102,460,401	20,000
del	HAB	H 7788	X	102,714,601	102,732,001	17,400
del	LAB	L 7019	X	102,714,601	102,732,001	17,400
del	LAB	L 7020	X	102,804,601	102,809,801	5,200
del	HAB	H 7789	X	102,805,601	102,810,601	5,000
del	HAB	H 7790	X	102,890,801	102,895,801	5,000
del	LAB	L 7021	X	102,890,801	102,895,801	5,000
del	HAB	H 7791	X	102,934,201	102,944,801	10,600

type	mouse line	no.	chr	start	end	size
del	LAB	L 7022	X	102,934,401	102,945,001	10,600
del	HAB	H 7792	X	103,513,601	103,527,001	13,400
del	LAB	L 7023	X	103,513,801	103,526,801	13,000
del	HAB	H 7793	X	103,582,001	103,604,201	22,200
del	LAB	L 7024	X	103,582,001	103,603,801	21,800
del	HAB	H 7794	X	103,881,401	103,890,401	9,000
del	LAB	L 7025	X	103,921,401	103,939,001	17,600
del	HAB	H 7795	X	103,921,801	103,935,601	13,800
del	HAB	H 7796	X	104,243,401	104,259,401	16,000
del	LAB	L 7026	X	104,244,001	104,257,401	13,400
del	HAB	H 7797	X	104,711,001	104,719,001	8,000
del	HAB	H 7798	X	104,789,201	104,797,401	8,200
del	HAB	H 7799	X	105,171,401	105,185,201	13,800
del	LAB	L 7027	X	105,171,401	105,185,001	13,600
del	HAB	H 7800	X	105,303,001	105,313,801	10,800
del	LAB	L 7028	X	105,303,201	105,313,401	10,200
del	HAB	H 7801	X	105,627,001	105,635,201	8,200
del	LAB	L 7029	X	105,627,001	105,634,801	7,800
del	HAB	H 7802	X	105,769,801	105,777,001	7,200
del	LAB	L 7030	X	105,770,001	105,776,801	6,800
del	LAB	L 7031	X	105,879,001	105,884,601	5,600
del	HAB	H 7803	X	105,879,201	105,885,201	6,000
del	HAB	H 7804	X	106,113,801	106,118,001	4,200
del	LAB	L 7032	X	106,114,201	106,117,801	3,600
del	HAB	H 7805	X	106,408,001	106,420,401	12,400
del	LAB	L 7033	X	106,409,601	106,420,401	10,800
del	HAB	H 7806	X	106,467,401	106,481,201	13,800
del	LAB	L 7034	X	106,467,801	106,481,601	13,800
del	HAB	H 7807	X	106,523,001	106,530,601	7,600
del	LAB	L 7035	X	106,523,601	106,529,601	6,000
del	HAB	H 7808	X	106,569,401	106,578,001	8,600
del	LAB	L 7036	X	106,569,401	106,580,601	11,200
del	LAB	L 7037	X	106,796,401	106,801,401	5,000
del	HAB	H 7809	X	106,796,801	106,801,801	5,000
del	HAB	H 7810	X	106,900,801	106,909,001	8,200
del	LAB	L 7038	X	106,900,801	106,908,601	7,800
del	HAB	H 7811	X	107,024,801	107,031,801	7,000
del	LAB	L 7039	X	107,025,201	107,031,401	6,200
del	HAB	H 7812	X	107,232,601	107,237,201	4,600
del	HAB	H 7813	X	107,278,401	107,287,801	9,400
del	LAB	L 7040	X	107,278,601	107,288,801	10,200
del	HAB	H 7814	X	107,701,001	107,703,601	2,600
del	LAB	L 7041	X	107,701,001	107,703,401	2,400
del	HAB	H 7815	X	108,097,801	108,108,001	10,200
del	LAB	L 7042	X	108,289,201	108,297,601	8,400
del	HAB	H 7816	X	108,289,601	108,297,001	7,400

type	mouse line	no.	chr	start	end	size
del	HAB	H 7817	X	108,355,601	108,360,801	5,200
del	LAB	L 7043	X	108,356,201	108,360,401	4,200
del	HAB	H 7818	X	108,471,801	108,478,201	6,400
del	LAB	L 7044	X	108,471,801	108,478,001	6,200
del	HAB	H 7819	X	108,828,201	108,832,001	3,800
del	LAB	L 7045	X	108,828,201	108,831,801	3,600
del	LAB	L 7046	X	109,253,801	109,261,201	7,400
del	HAB	H 7820	X	109,254,001	109,262,001	8,000
del	HAB	H 7821	X	109,283,601	109,287,601	4,000
del	HAB	H 7822	X	109,538,001	109,566,201	28,200
del	LAB	L 7047	X	109,538,001	109,565,601	27,600
del	HAB	H 7823	X	109,949,601	109,966,801	17,200
del	LAB	L 7048	X	109,949,601	109,966,601	17,000
del	HAB	H 7824	X	110,234,401	110,245,601	11,200
del	LAB	L 7049	X	110,234,401	110,245,601	11,200
del	HAB	H 7825	X	110,451,201	110,465,401	14,200
del	LAB	L 7050	X	110,460,401	110,465,001	4,600
del	LAB	L 7051	X	110,758,601	110,769,201	10,600
del	HAB	H 7826	X	110,758,801	110,769,401	10,600
del	HAB	H 7827	X	111,371,401	111,374,201	2,800
del	HAB	H 7828	X	111,525,401	111,541,001	15,600
del	LAB	L 7052	X	111,525,401	111,541,001	15,600
del	HAB	H 7829	X	111,770,601	111,775,201	4,600
del	HAB	H 7830	X	111,795,401	111,798,601	3,200
del	LAB	L 7053	X	111,795,801	111,799,801	4,000
del	LAB	L 7054	X	111,863,801	111,875,201	11,400
del	HAB	H 7831	X	111,864,401	111,876,001	11,600
del	HAB	H 7832	X	112,003,801	112,008,001	4,200
del	HAB	H 7833	X	112,125,801	112,131,401	5,600
del	LAB	L 7055	X	112,126,001	112,134,201	8,200
del	HAB	H 7834	X	112,264,201	112,269,201	5,000
del	LAB	L 7056	X	112,264,201	112,269,001	4,800
del	LAB	L 7057	X	112,277,201	112,307,201	30,000
del	LAB	L 7058	X	112,358,201	112,387,401	29,200
del	HAB	H 7835	X	112,359,801	112,387,201	27,400
del	HAB	H 7836	X	112,496,001	112,504,201	8,200
del	HAB	H 7837	X	112,525,001	112,537,801	12,800
del	HAB	H 7838	X	112,670,001	112,687,401	17,400
del	LAB	L 7059	X	112,671,201	112,687,401	16,200
del	HAB	H 7839	X	113,604,601	113,611,601	7,000
del	LAB	L 7060	X	113,605,201	113,611,801	6,600
del	HAB	H 7840	X	113,643,201	113,647,001	3,800
del	HAB	H 7841	X	113,765,401	113,770,001	4,600
del	HAB	H 7842	X	114,041,001	114,049,601	8,600
del	HAB	H 7843	X	114,283,201	114,289,401	6,200
del	LAB	L 7061	X	114,284,001	114,289,001	5,000

type	mouse line	no.	chr	start	end	size
del	HAB	H 7844	X	114,966,201	114,978,601	12,400
del	LAB	L 7062	X	114,972,601	114,979,001	6,400
del	HAB	H 7845	X	115,783,601	115,793,201	9,600
del	LAB	L 7063	X	115,783,601	115,792,801	9,200
del	HAB	H 7846	X	116,014,001	116,022,201	8,200
del	LAB	L 7064	X	116,014,201	116,022,201	8,000
del	LAB	L 7065	X	116,051,601	116,056,601	5,000
del	HAB	H 7847	X	116,052,201	116,056,201	4,000
del	LAB	L 7066	X	116,110,401	116,114,801	4,400
del	HAB	H 7848	X	116,250,801	116,260,001	9,200
del	HAB	H 7849	X	117,871,201	117,874,801	3,600
del	LAB	L 7067	X	118,261,001	118,279,201	18,200
del	HAB	H 7850	X	118,265,201	118,279,201	14,000
del	HAB	H 7851	X	118,476,401	118,492,601	16,200
del	LAB	L 7068	X	118,477,001	118,493,201	16,200
del	HAB	H 7852	X	118,846,401	118,860,201	13,800
del	LAB	L 7069	X	118,846,601	118,861,801	15,200
del	HAB	H 7853	X	118,951,601	118,965,401	13,800
del	HAB	H 7854	X	119,058,601	119,076,401	17,800
del	LAB	L 7070	X	119,058,801	119,076,201	17,400
del	HAB	H 7855	X	119,170,001	119,177,201	7,200
del	LAB	L 7071	X	119,170,001	119,176,801	6,800
del	HAB	H 7856	X	119,228,601	119,232,801	4,200
del	HAB	H 7857	X	119,974,201	119,986,401	12,200
del	LAB	L 7072	X	119,975,201	119,986,601	11,400
del	HAB	H 7858	X	120,147,001	120,189,801	42,800
del	LAB	L 7073	X	120,147,001	120,189,601	42,600
del	HAB	H 7859	X	120,262,801	120,267,601	4,800
del	HAB	H 7860	X	120,338,401	120,352,601	14,200
del	LAB	L 7074	X	120,338,601	120,352,401	13,800
del	HAB	H 7861	X	120,366,401	120,378,201	11,800
del	HAB	H 7862	X	120,403,001	120,404,401	1,400
del	LAB	L 7075	X	120,403,201	120,403,801	600
del	HAB	H 7863	X	120,430,001	120,455,401	25,400
del	LAB	L 7076	X	120,511,201	120,516,801	5,600
del	HAB	H 7864	X	120,511,401	120,517,001	5,600
del	HAB	H 7865	X	120,577,601	120,589,601	12,000
del	LAB	L 7077	X	120,577,801	120,589,401	11,600
del	HAB	H 7866	X	120,602,401	120,607,801	5,400
del	LAB	L 7078	X	120,602,401	120,607,401	5,000
del	HAB	H 7867	X	120,632,201	120,634,601	2,400
del	LAB	L 7079	X	120,632,601	120,634,001	1,400
del	HAB	H 7868	X	120,792,001	120,810,801	18,800
del	LAB	L 7080	X	120,792,201	120,810,801	18,600
del	HAB	H 7869	X	120,823,001	120,829,001	6,000
del	LAB	L 7081	X	120,823,201	120,828,801	5,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 7870	X	120,853,801	120,856,001	2,200
del	LAB	L 7082	X	120,854,001	120,855,401	1,400
del	HAB	H 7871	X	120,952,801	120,958,401	5,600
del	LAB	L 7083	X	120,952,801	120,958,401	5,600
del	HAB	H 7872	X	121,019,201	121,029,801	10,600
del	LAB	L 7084	X	121,019,401	121,029,601	10,200
del	HAB	H 7873	X	121,040,201	121,050,601	10,400
del	LAB	L 7085	X	121,040,601	121,050,201	9,600
del	HAB	H 7874	X	121,075,401	121,077,201	1,800
del	HAB	H 7875	X	121,219,001	121,262,401	43,400
del	LAB	L 7086	X	121,219,201	121,262,601	43,400
del	HAB	H 7876	X	121,292,801	121,295,201	2,400
del	LAB	L 7087	X	121,293,401	121,295,201	1,800
del	HAB	H 7877	X	121,326,201	121,392,001	65,800
del	LAB	L 7088	X	121,326,801	121,391,801	65,000
del	HAB	H 7878	X	121,484,401	121,487,801	3,400
del	LAB	L 7089	X	121,484,401	121,488,601	4,200
del	HAB	H 7879	X	121,502,001	121,509,401	7,400
del	LAB	L 7090	X	121,502,201	121,509,201	7,000
del	HAB	H 7880	X	121,603,601	121,606,201	2,600
del	HAB	H 7881	X	121,622,201	121,631,401	9,200
del	LAB	L 7091	X	121,622,201	121,631,201	9,000
del	HAB	H 7882	X	121,663,001	121,669,801	6,800
del	LAB	L 7092	X	121,663,201	121,669,601	6,400
del	HAB	H 7883	X	121,732,801	121,736,401	3,600
del	HAB	H 7884	X	121,751,601	121,761,001	9,400
del	LAB	L 7093	X	121,751,801	121,760,601	8,800
del	HAB	H 7885	X	121,838,401	121,843,001	4,600
del	LAB	L 7094	X	121,838,401	121,842,601	4,200
del	HAB	H 7886	X	121,856,001	121,861,601	5,600
del	LAB	L 7095	X	121,856,201	121,861,401	5,200
del	HAB	H 7887	X	121,955,801	121,963,201	7,400
del	LAB	L 7096	X	121,956,001	121,962,801	6,800
del	HAB	H 7888	X	121,976,001	121,980,801	4,800
del	LAB	L 7097	X	121,976,401	121,980,801	4,400
del	HAB	H 7889	X	122,070,201	122,100,601	30,400
del	LAB	L 7098	X	122,070,801	122,100,401	29,600
del	HAB	H 7890	X	122,175,601	122,178,801	3,200
del	LAB	L 7099	X	122,175,601	122,178,801	3,200
del	HAB	H 7891	X	122,193,201	122,200,401	7,200
del	LAB	L 7100	X	122,193,201	122,200,401	7,200
del	HAB	H 7892	X	122,231,601	122,238,401	6,800
del	LAB	L 7101	X	122,231,801	122,238,201	6,400
del	HAB	H 7893	X	122,301,401	122,304,201	2,800
del	LAB	L 7102	X	122,301,601	122,304,001	2,400
del	HAB	H 7894	X	122,320,201	122,329,401	9,200

type	mouse line	no.	chr	start	end	size
del	LAB	L 7103	X	122,320,401	122,329,201	8,800
del	HAB	H 7895	X	122,503,001	122,512,201	9,200
del	LAB	L 7104	X	122,503,201	122,512,001	8,800
del	HAB	H 7896	X	122,543,801	122,550,801	7,000
del	LAB	L 7105	X	122,544,001	122,550,201	6,200
del	HAB	H 7897	X	122,613,401	122,619,401	6,000
del	LAB	L 7106	X	122,613,601	122,618,801	5,200
del	HAB	H 7898	X	122,632,201	122,637,201	5,000
del	LAB	L 7107	X	122,632,401	122,637,001	4,600
del	HAB	H 7899	X	122,658,601	122,663,001	4,400
del	LAB	L 7108	X	122,658,801	122,663,001	4,200
del	HAB	H 7900	X	122,707,001	122,716,801	9,800
del	LAB	L 7109	X	122,707,001	122,709,801	2,800
del	LAB	L 7110	X	122,746,801	122,749,801	3,000
del	HAB	H 7901	X	122,747,001	122,750,001	3,000
del	HAB	H 7902	X	122,861,601	122,886,601	25,000
del	LAB	L 7111	X	122,874,801	122,886,001	11,200
del	HAB	H 7903	X	122,920,801	122,933,601	12,800
del	HAB	H 7904	X	123,008,201	123,017,801	9,600
del	LAB	L 7112	X	123,009,001	123,018,001	9,000
del	LAB	L 7113	X	123,098,801	123,103,601	4,800
del	HAB	H 7905	X	123,099,001	123,103,601	4,600
del	HAB	H 7906	X	123,144,001	123,150,601	6,600
del	LAB	L 7114	X	123,144,201	123,150,201	6,000
del	HAB	H 7907	X	123,296,401	123,315,601	19,200
del	LAB	L 7115	X	123,296,401	123,314,001	17,600
del	HAB	H 7908	X	123,392,201	123,398,001	5,800
del	HAB	H 7909	X	124,257,201	124,266,001	8,800
del	HAB	H 7910	X	124,328,601	124,334,801	6,200
del	LAB	L 7116	X	124,328,601	124,334,001	5,400
del	HAB	H 7911	X	124,464,801	124,475,401	10,600
del	HAB	H 7912	X	124,678,401	124,686,201	7,800
del	LAB	L 7117	X	124,679,001	124,685,401	6,400
del	HAB	H 7913	X	124,762,001	124,767,801	5,800
del	HAB	H 7914	X	124,773,201	124,777,401	4,200
del	LAB	L 7118	X	124,773,401	124,776,801	3,400
del	LAB	L 7119	X	125,042,801	125,046,801	4,000
del	HAB	H 7915	X	125,043,001	125,047,001	4,000
del	HAB	H 7916	X	125,082,401	125,087,401	5,000
del	HAB	H 7917	X	125,129,401	125,153,001	23,600
del	LAB	L 7120	X	125,129,801	125,140,201	10,400
del	LAB	L 7121	X	125,144,801	125,153,001	8,200
del	HAB	H 7918	X	125,483,001	125,494,201	11,200
del	LAB	L 7122	X	125,848,801	125,857,201	8,400
del	HAB	H 7919	X	125,849,201	125,857,401	8,200
del	HAB	H 7920	X	125,963,801	125,978,601	14,800



<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	LAB	L 7123	X	125,964,401	125,978,801	14,400
del	HAB	H 7921	X	127,230,801	127,245,001	14,200
del	LAB	L 7124	X	127,230,801	127,245,001	14,200
del	HAB	H 7922	X	127,328,001	127,339,401	11,400
del	LAB	L 7125	X	127,329,601	127,338,601	9,000
del	HAB	H 7923	X	127,876,201	127,880,201	4,000
del	HAB	H 7924	X	128,338,601	128,342,601	4,000
del	LAB	L 7126	X	128,339,001	128,341,801	2,800
del	HAB	H 7925	X	128,807,801	128,810,201	2,400
del	LAB	L 7127	X	129,049,801	129,053,601	3,800
del	HAB	H 7926	X	129,050,001	129,053,801	3,800
del	HAB	H 7927	X	129,868,601	129,884,001	15,400
del	LAB	L 7128	X	129,868,601	129,884,001	15,400
del	HAB	H 7928	X	129,957,201	129,972,801	15,600
del	LAB	L 7129	X	129,957,601	129,973,201	15,600
del	HAB	H 7929	X	131,575,201	131,590,201	15,000
del	LAB	L 7130	X	131,575,801	131,590,201	14,400
del	LAB	L 7131	X	131,750,401	131,763,601	13,200
del	LAB	L 7132	X	133,019,201	133,032,601	13,400
del	HAB	H 7930	X	133,029,801	133,033,401	3,600
del	HAB	H 7931	X	133,642,001	133,646,201	4,200
del	LAB	L 7133	X	133,826,601	133,839,401	12,800
del	HAB	H 7932	X	133,827,001	133,839,401	12,400
del	LAB	L 7134	X	135,637,801	135,642,001	4,200
del	HAB	H 7933	X	135,638,601	135,642,001	3,400
del	HAB	H 7934	X	137,428,601	137,433,201	4,600
del	LAB	L 7135	X	137,991,801	138,006,201	14,400
del	HAB	H 7935	X	137,995,401	138,006,001	10,600
del	HAB	H 7936	X	138,262,001	138,266,001	4,000
del	LAB	L 7136	X	138,262,401	138,265,601	3,200
del	LAB	L 7137	X	138,331,401	138,337,401	6,000
del	HAB	H 7937	X	138,331,801	138,345,801	14,000
del	HAB	H 7938	X	138,575,001	138,583,201	8,200
del	LAB	L 7138	X	139,606,001	139,613,801	7,800
del	HAB	H 7939	X	139,606,201	139,614,001	7,800
del	HAB	H 7940	X	139,696,201	139,701,601	5,400
del	HAB	H 7941	X	140,388,001	140,405,601	17,600
del	LAB	L 7139	X	140,388,801	140,394,201	5,400
del	HAB	H 7942	X	140,439,601	140,458,801	19,200
del	HAB	H 7943	X	141,476,001	141,488,601	12,600
del	HAB	H 7944	X	141,673,801	141,678,801	5,000
del	HAB	H 7945	X	142,167,201	142,178,401	11,200
del	LAB	L 7140	X	142,167,201	142,178,201	11,000
del	HAB	H 7946	X	142,588,601	142,592,201	3,600
del	LAB	L 7141	X	142,588,601	142,592,201	3,600
del	LAB	L 7142	X	143,331,201	143,344,401	13,200

type	mouse line	no.	chr	start	end	size
del	HAB	H 7947	X	143,331,801	143,344,201	12,400
del	HAB	H 7948	X	143,709,401	143,724,201	14,800
del	LAB	L 7143	X	143,709,601	143,724,201	14,600
del	HAB	H 7949	X	143,729,401	143,735,201	5,800
del	LAB	L 7144	X	144,089,801	144,093,801	4,000
del	HAB	H 7950	X	144,090,001	144,094,401	4,400
del	LAB	L 7145	X	144,124,201	144,130,601	6,400
del	HAB	H 7951	X	144,124,401	144,131,001	6,600
del	HAB	H 7952	X	144,201,601	144,230,001	28,400
del	LAB	L 7146	X	144,202,201	144,230,201	28,000
del	HAB	H 7953	X	144,417,601	144,432,801	15,200
del	LAB	L 7147	X	144,417,801	144,433,401	15,600
del	HAB	H 7954	X	144,595,601	144,621,001	25,400
del	LAB	L 7148	X	144,598,401	144,620,401	22,000
del	HAB	H 7955	X	144,715,601	144,753,201	37,600
del	LAB	L 7149	X	144,716,201	144,755,401	39,200
del	HAB	H 7956	X	145,038,601	145,043,001	4,400
del	HAB	H 7957	X	145,089,001	145,102,401	13,400
del	LAB	L 7150	X	145,089,201	145,102,401	13,200
del	HAB	H 7958	X	145,281,401	145,326,801	45,400
del	LAB	L 7151	X	145,282,001	145,326,601	44,600
del	LAB	L 7152	X	145,499,001	145,538,601	39,600
del	HAB	H 7959	X	145,499,201	145,537,801	38,600
del	LAB	L 7153	X	145,865,601	145,888,601	23,000
del	HAB	H 7960	X	145,866,001	145,888,201	22,200
del	LAB	L 7154	X	146,012,601	146,033,601	21,000
del	HAB	H 7961	X	146,013,001	146,032,601	19,600
del	HAB	H 7962	X	146,206,401	146,224,601	18,200
del	LAB	L 7155	X	146,211,001	146,223,601	12,600
del	LAB	L 7156	X	146,247,001	146,250,801	3,800
del	HAB	H 7963	X	146,247,401	146,251,201	3,800
del	HAB	H 7964	X	146,358,401	146,376,001	17,600
del	LAB	L 7157	X	146,358,401	146,375,801	17,400
del	HAB	H 7965	X	146,386,201	146,389,401	3,200
del	LAB	L 7158	X	146,386,401	146,388,801	2,400
del	HAB	H 7966	X	146,442,001	146,465,401	23,400
del	LAB	L 7159	X	146,446,601	146,465,401	18,800
del	HAB	H 7967	X	146,665,401	146,670,001	4,600
del	LAB	L 7160	X	146,665,401	146,669,601	4,200
del	HAB	H 7968	X	146,758,601	146,764,001	5,400
del	LAB	L 7161	X	146,758,601	146,764,001	5,400
del	HAB	H 7969	X	146,804,801	146,816,801	12,000
del	LAB	L 7162	X	146,806,201	146,816,201	10,000
del	HAB	H 7970	X	147,048,801	147,055,401	6,600
del	HAB	H 7971	X	147,165,001	147,177,001	12,000
del	LAB	L 7163	X	147,165,001	147,177,201	12,200

type	mouse line	no.	chr	start	end	size
del	HAB	H 7972	X	147,295,801	147,302,801	7,000
del	HAB	H 7973	X	147,670,201	147,679,601	9,400
del	HAB	H 7974	X	148,012,801	148,023,801	11,000
del	HAB	H 7975	X	148,113,201	148,119,601	6,400
del	LAB	L 7164	X	148,113,201	148,119,001	5,800
del	HAB	H 7976	X	148,174,001	148,184,201	10,200
del	HAB	H 7977	X	148,958,201	148,965,601	7,400
del	HAB	H 7978	X	149,307,001	149,317,401	10,400
del	LAB	L 7165	X	149,307,601	149,311,601	4,000
del	HAB	H 7979	X	149,325,001	149,331,201	6,200
del	LAB	L 7166	X	149,325,001	149,331,001	6,000
del	HAB	H 7980	X	150,072,601	150,079,001	6,400
del	HAB	H 7981	X	150,203,801	150,209,401	5,600
del	LAB	L 7167	X	150,203,801	150,209,401	5,600
del	LAB	L 7168	X	150,426,001	150,438,401	12,400
del	HAB	H 7982	X	150,427,401	150,439,201	11,800
del	HAB	H 7983	X	150,522,401	150,528,801	6,400
del	HAB	H 7984	X	150,967,001	150,971,001	4,000
del	HAB	H 7985	X	151,444,401	151,454,401	10,000
del	LAB	L 7169	X	151,446,001	151,454,801	8,800
del	HAB	H 7986	X	151,511,401	151,518,601	7,200
del	LAB	L 7170	X	151,512,001	151,518,601	6,600
del	HAB	H 7987	X	151,656,001	151,665,801	9,800
del	LAB	L 7171	X	151,656,001	151,667,001	11,000
del	LAB	L 7172	X	151,887,401	151,893,801	6,400
del	HAB	H 7988	X	151,889,001	151,894,401	5,400
del	HAB	H 7989	X	152,305,601	152,311,201	5,600
del	LAB	L 7173	X	152,305,601	152,308,601	3,000
del	HAB	H 7990	X	152,983,601	152,989,401	5,800
del	HAB	H 7991	X	153,374,401	153,384,601	10,200
del	LAB	L 7174	X	153,374,601	153,384,201	9,600
del	HAB	H 7992	X	153,603,001	153,608,401	5,400
del	LAB	L 7175	X	153,603,001	153,608,801	5,800
del	HAB	H 7993	X	153,758,401	153,763,401	5,000
del	LAB	L 7176	X	153,758,601	153,763,201	4,600
del	HAB	H 7994	X	154,547,401	154,559,801	12,400
del	LAB	L 7177	X	154,547,401	154,559,001	11,600
del	HAB	H 7995	X	154,763,201	154,768,801	5,600
del	HAB	H 7996	X	154,996,401	155,011,801	15,400
del	LAB	L 7178	X	154,996,401	155,002,601	6,200
del	LAB	L 7179	X	155,008,201	155,011,801	3,600
del	HAB	H 7997	X	155,122,001	155,128,401	6,400
del	HAB	H 7998	X	155,333,801	155,345,201	11,400
del	LAB	L 7180	X	155,334,801	155,343,401	8,600
del	LAB	L 7181	X	155,445,801	155,451,001	5,200
del	HAB	H 7999	X	155,446,001	155,455,201	9,200

type	mouse line	no.	chr	start	end	size
del	HAB	H 8000	X	155,571,801	155,575,601	3,800
del	LAB	L 7182	X	155,572,001	155,575,201	3,200
del	HAB	H 8001	X	156,718,201	156,730,401	12,200
del	HAB	H 8002	X	157,659,801	157,669,001	9,200
del	LAB	L 7183	X	157,660,001	157,669,001	9,000
del	HAB	H 8003	X	157,981,001	157,986,401	5,400
del	LAB	L 7184	X	157,981,201	157,986,401	5,200
del	LAB	L 7185	X	158,617,401	158,623,801	6,400
del	HAB	H 8004	X	158,617,601	158,624,201	6,600
del	HAB	H 8005	X	160,906,801	160,926,801	20,000
del	LAB	L 7186	X	160,909,201	160,925,201	16,000
del	HAB	H 8006	X	161,000,001	161,007,001	7,000
del	LAB	L 7187	X	161,527,801	161,538,201	10,400
del	HAB	H 8007	X	161,528,001	161,538,001	10,000
del	HAB	H 8008	X	161,848,201	161,864,201	16,000
del	LAB	L 7188	X	161,848,201	161,864,201	16,000
del	HAB	H 8009	X	161,904,201	161,918,001	13,800
del	HAB	H 8010	X	162,136,001	162,143,401	7,400
del	HAB	H 8011	X	162,169,201	162,188,801	19,600
del	LAB	L 7189	X	162,169,401	162,185,601	16,200
del	HAB	H 8012	X	162,307,601	162,312,201	4,600
del	HAB	H 8013	X	163,690,001	163,693,601	3,600
del	LAB	L 7190	X	163,690,001	163,693,601	3,600
del	HAB	H 8014	X	164,933,801	164,939,401	5,600
del	LAB	L 7191	X	164,933,801	164,939,001	5,200
del	HAB	H 8015	X	166,424,201	166,445,201	21,000
del	LAB	L 7192	X	166,426,001	166,445,001	19,000
del	HAB	H 8016	X	166,499,401	166,514,001	14,600
del	LAB	L 7193	X	166,499,401	166,513,601	14,200
del	HAB	H 8017	X	166,579,801	166,636,801	57,000
del	LAB	L 7194	X	166,579,801	166,636,401	56,600
del	HAB	H 8018	Y	26,801	38,401	11,600
del	LAB	L 7195	Y	82,801	100,601	17,800
del	HAB	H 8019	Y	83,001	100,601	17,600
del	HAB	H 8020	Y	804,401	835,601	31,200
del	LAB	L 7196	Y	804,601	835,401	30,800
del	HAB	H 8021	Y	869,601	916,201	46,600
del	LAB	L 7197	Y	869,801	915,801	46,000
del	HAB	H 8022	Y	1,038,001	1,053,801	15,800
del	LAB	L 7198	Y	1,039,001	1,052,801	13,800
del	HAB	H 8023	Y	1,094,201	1,119,401	25,200
del	LAB	L 7199	Y	1,094,201	1,119,201	25,000
del	HAB	H 8024	Y	1,281,401	1,283,001	1,600
del	LAB	L 7200	Y	1,281,601	1,283,801	2,200
del	HAB	H 8025	Y	1,289,601	1,294,401	4,800
del	LAB	L 7201	Y	1,451,401	1,465,001	13,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
del	HAB	H 8026	Y	1,453,401	1,464,001	10,600
del	HAB	H 8027	Y	1,655,601	1,658,601	3,000
del	HAB	H 8028	Y	1,688,001	1,692,801	4,800
del	LAB	L 7202	Y	1,688,401	1,692,201	3,800
del	HAB	H 8029	Y	1,861,201	1,881,401	20,200
del	LAB	L 7203	Y	1,861,401	1,877,001	15,600
del	HAB	H 8030	Y	1,956,601	1,967,001	10,400
del	LAB	L 7204	Y	1,956,801	1,966,601	9,800
del	HAB	H 8031	Y	2,033,001	2,040,001	7,000
del	LAB	L 7205	Y	2,033,201	2,039,801	6,600
del	HAB	H 8032	Y	2,130,601	2,137,201	6,600
del	HAB	H 8033	Y	2,516,601	2,557,001	40,400
del	LAB	L 7206	Y	2,530,801	2,545,801	15,000
del	HAB	H 8034	Y	2,677,001	2,681,601	4,600
del	LAB	L 7207	Y	2,677,201	2,682,201	5,000
del	LAB	L 7208	Y	2,688,201	2,775,401	87,200
del	HAB	H 8035	Y	2,688,601	2,775,401	86,800