

**Table S6: Insertions detected by NGS.** All insertions detected by NGS either in HAB or LAB mice are listed including information on their genomic position. Depending on the occurrence in HAB or in LAB, the insertions are numbered in ascending order by their genomic position (e.g. H1 for the first insertion in HAB).

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
ins	HAB	H 23	1	9,131,201	9,133,201	2,000
ins	HAB	H 24	1	14,597,401	14,601,201	3,800
ins	HAB	H 25	1	26,742,801	26,745,201	2,400
ins	LAB	L 12	1	26,742,801	26,745,401	2,600
ins	HAB	H 26	1	81,501,601	81,505,001	3,400
ins	HAB	H 27	1	115,421,401	115,424,601	3,200
ins	HAB	H 28	1	119,068,601	119,071,201	2,600
ins	HAB	H 29	1	173,455,001	173,456,401	1,400
ins	HAB	H 30	1	173,497,801	173,500,201	2,400
ins	LAB	L 13	1	173,498,201	173,499,801	1,600
ins	HAB	H 31	2	50,856,201	50,858,401	2,200
ins	HAB	H 32	2	76,444,201	76,447,201	3,000
ins	HAB	H 33	2	77,707,601	77,709,601	2,000
ins	LAB	L 14	2	77,707,601	77,709,601	2,000
ins	HAB	H 34	2	77,752,801	77,756,401	3,600
ins	LAB	L 15	2	77,752,801	77,756,401	3,600
ins	HAB	H 35	2	77,756,601	77,759,001	2,400
ins	LAB	L 16	2	77,757,001	77,759,001	2,000
ins	HAB	H 36	2	77,788,201	77,790,001	1,800
ins	LAB	L 17	2	77,788,201	77,790,001	1,800
ins	HAB	H 37	2	77,799,801	77,802,001	2,200
ins	LAB	L 18	2	77,800,401	77,802,001	1,600
ins	HAB	H 38	2	77,842,001	77,844,201	2,200
ins	LAB	L 19	2	77,842,001	77,844,001	2,000
ins	HAB	H 39	2	77,857,801	77,859,801	2,000
ins	LAB	L 20	2	77,857,801	77,859,801	2,000
ins	HAB	H 40	2	77,864,001	77,865,201	1,200
ins	HAB	H 41	2	122,507,001	122,508,201	1,200
ins	HAB	H 42	3	8,245,201	8,246,601	1,400
ins	HAB	H 43	3	20,943,601	20,948,401	4,800
ins	LAB	L 21	3	20,944,201	20,947,601	3,400
ins	HAB	H 44	3	48,244,801	48,248,601	3,800
ins	HAB	H 45	3	97,213,001	97,215,401	2,400
ins	LAB	L 22	3	97,213,401	97,215,601	2,200
ins	HAB	H 46	3	135,498,201	135,500,601	2,400
ins	HAB	H 47	3	156,084,801	156,087,401	2,600
ins	HAB	H 48	4	3,016,601	3,018,601	2,000
ins	LAB	L 23	4	3,016,601	3,018,601	2,000
ins	HAB	H 49	4	146,892,801	146,894,801	2,000
ins	LAB	L 24	4	155,628,401	155,630,001	1,600
ins	HAB	H 50	5	6,706,401	6,709,801	3,400
ins	LAB	L 25	5	6,707,401	6,710,001	2,600

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
ins	HAB	H 51	5	105,356,401	105,357,601	1,200
ins	LAB	L 26	5	105,356,401	105,357,601	1,200
ins	HAB	H 52	5	113,949,401	113,987,001	37,600
ins	HAB	H 53	5	128,868,201	128,878,401	10,200
ins	HAB	H 54	6	30,753,201	30,754,601	1,400
ins	LAB	L 27	6	139,609,601	139,611,401	1,800
ins	HAB	H 55	7	35,567,201	35,569,601	2,400
ins	HAB	H 56	7	38,968,001	38,970,001	2,000
ins	HAB	H 57	7	38,972,801	38,975,801	3,000
ins	HAB	H 58	7	38,981,001	38,983,601	2,600
ins	HAB	H 59	7	49,692,401	49,695,601	3,200
ins	HAB	H 60	7	112,446,401	112,448,801	2,400
ins	HAB	H 61	8	22,150,601	22,152,601	2,000
ins	HAB	H 62	8	22,157,601	22,159,401	1,800
ins	HAB	H 63	9	41,017,401	41,020,201	2,800
ins	HAB	H 64	9	65,694,001	65,696,201	2,200
ins	LAB	L 28	9	65,694,001	65,696,201	2,200
ins	HAB	H 65	9	71,566,201	71,567,801	1,600
ins	HAB	H 66	9	80,205,001	80,207,801	2,800
ins	HAB	H 67	9	123,832,601	123,834,601	2,000
ins	LAB	L 1	10	21,874,401	21,877,801	3,400
ins	HAB	H 1	10	26,984,001	26,985,201	1,200
ins	HAB	H 2	10	121,373,201	121,375,601	2,400
ins	HAB	H 3	11	3,003,601	3,004,801	1,200
ins	HAB	H 4	11	3,098,801	3,100,001	1,200
ins	LAB	L 2	11	3,098,801	3,100,001	1,200
ins	HAB	H 5	11	27,879,001	27,881,601	2,600
ins	HAB	H 6	11	103,988,001	104,043,601	55,600
ins	LAB	L 3	11	103,990,601	103,993,801	3,200
ins	LAB	L 4	11	103,994,001	103,999,001	5,000
ins	LAB	L 5	11	103,999,201	104,006,201	7,000
ins	LAB	L 6	11	104,007,201	104,009,401	2,200
ins	LAB	L 7	11	104,021,401	104,043,001	21,600
ins	HAB	H 7	12	86,680,801	86,683,001	2,200
ins	HAB	H 8	12	98,197,801	98,199,601	1,800
ins	HAB	H 9	12	110,358,801	110,361,201	2,400
ins	HAB	H 10	13	61,685,401	61,686,801	1,400
ins	HAB	H 11	14	93,056,001	93,057,801	1,800
ins	HAB	H 12	14	97,530,001	97,532,601	2,600
ins	HAB	H 13	14	112,010,401	112,012,201	1,800
ins	HAB	H 14	15	22,329,401	22,330,801	1,400
ins	HAB	H 15	15	38,662,401	38,715,201	52,800

<b>type</b>	<b>mouse line</b>	<b>no.</b>	<b>chr</b>	<b>start</b>	<b>end</b>	<b>size</b>
ins	HAB	H 16	15	74,915,801	74,917,601	1,800
ins	LAB	L 8	15	74,915,801	74,917,601	1,800
ins	HAB	H 17	15	103,493,001	103,494,601	1,600
ins	LAB	L 9	16	71,243,801	71,245,401	1,600
ins	HAB	H 18	16	93,655,801	93,658,001	2,200
ins	HAB	H 19	17	39,979,801	39,981,801	2,000
ins	LAB	L 10	17	39,979,801	39,981,801	2,000
ins	HAB	H 20	17	39,984,401	39,985,801	1,400
ins	LAB	L 11	17	39,984,401	39,985,801	1,400
ins	HAB	H 21	17	45,237,801	45,240,201	2,400
ins	HAB	H 22	17	75,168,001	75,171,401	3,400
ins	HAB	H 68	M	201	3,601	3,400
ins	LAB	L 29	M	201	2,001	1,800
ins	LAB	L 30	M	14,201	15,601	1,400
ins	HAB	H 69	M	14,401	15,601	1,200
ins	HAB	H 70	X	104,651,801	104,653,201	1,400
ins	HAB	H 71	X	121,233,401	121,234,601	1,200
ins	HAB	H 72	X	166,407,601	166,412,001	4,400
ins	HAB	H 73	Y	1,267,401	1,268,601	1,200
ins	HAB	H 74	Y	1,587,801	1,589,001	1,200
ins	HAB	H 75	Y	1,787,801	1,791,401	3,600
ins	LAB	L 31	Y	1,787,801	1,791,201	3,400
ins	HAB	H 76	Y	2,481,401	2,483,001	1,600
ins	LAB	L 32	Y	2,481,401	2,484,001	2,600
ins	HAB	H 77	Y	2,795,001	2,797,401	2,400
ins	LAB	L 33	Y	2,795,001	2,849,201	54,200
ins	HAB	H 78	Y	2,847,401	2,849,401	2,000
ins	HAB	H 79	Y	2,849,601	2,853,001	3,400
ins	LAB	L 34	Y	2,849,601	2,853,001	3,400
ins	HAB	H 80	Y	2,875,801	2,877,201	1,400
ins	LAB	L 35	Y	2,875,801	2,877,201	1,400
ins	HAB	H 81	Y	2,888,401	2,892,601	4,200
ins	LAB	L 36	Y	2,888,401	2,891,601	3,200