

Table S9: Summary of segmental copy number variation in HR vs. LR sequences. Segmental copy number variations are assorted according to their chromosomal position. The LR sequence served as reference sequence in the HR/LR comparison. Gains and losses indicated in the Table are thus gains and losses in the HR sequence relative to the LR sequence (Chr. = chromosome).

No.	Status	Chr.	Start [bp]	End [bp]	Fragment size [bp]
1	loss	1	20,549,514	20,552,454	2,941
2	gain	1	21,118,178	21,121,252	3,075
3	gain	1	33,723,902	33,723,981	80
4	loss	1	38,974,580	38,988,592	14,013
5	loss	1	72,206,441	72,210,724	4,284
6	loss	1	79,071,592	79,072,610	1,019
7	gain	1	95,748,149	95,795,140	46,992
8	gain	1	97,405,881	97,405,894	14
9	gain	1	124,789,587	124,791,141	1,555
10	gain	1	135,250,842	135,255,585	4,744
11	gain	1	191,044,063	191,066,892	22,830
12	gain	2	23,646,423	23,694,548	48,126
13	gain	2	24,048,126	24,054,617	6,492
14	gain	2	38,976,620	38,976,716	97
15	gain	2	62,524,035	62,524,468	434
16	gain	2	63,218,646	63,242,247	23,602
17	loss	2	74,336,997	74,337,193	197
18	gain	2	83,225,986	83,241,750	15,765
19	gain	2	85,222,398	85,225,455	3,058
20	gain	2	85,845,117	85,867,734	22,618
21	gain	2	86,057,004	86,103,346	46,343
22	gain	2	99,858,854	99,872,693	13,840
23	gain	2	100,684,507	100,685,297	791
24	loss	2	152,838,130	152,838,140	11
25	gain	2	157,152,820	157,153,070	251
26	loss	2	158,643,140	158,643,203	64
27	gain	2	159,276,790	159,288,427	11,638
28	gain	2	159,312,542	159,360,362	47,821
29	loss	3	19,240,564	19,249,048	8,485
30	gain	3	46,180,539	46,182,502	1,964
31	gain	3	92,782,636	92,787,763	5,128
32	gain	3	93,569,096	93,980,107	411,012
33	gain	3	110,734,020	110,807,450	73,431
34	loss	3	116,517,329	116,519,296	1,968
35	loss	3	121,708,585	121,710,997	2,413
36	gain	4	12,377,058	12,377,306	249
37	gain	4	89,041,272	89,042,826	1,555
38	gain	4	101,601,485	101,601,817	333
39	loss	4	111,745,396	112,236,356	490,961
40	loss	4	112,496,803	113,611,858	1,115,056
41	loss	4	113,807,995	113,968,233	160,239
42	gain	4	143,201,660	143,205,948	4,289
43	gain	4	143,440,640	143,444,415	3,776
44	gain	4	143,540,903	143,584,059	43,157
45	loss	4	143,746,230	143,776,297	30,068
46	gain	4	144,334,174	144,334,795	622
47	gain	4	146,941,153	147,177,831	236,679
48	gain	4	155,499,693	155,507,226	7,534
49	gain	5	9,710,187	9,710,446	260

50	gain	5	10,100,240	10,117,317	17,078
51	gain	5	10,562,250	10,611,660	49,411
52	gain	5	51,956,956	51,961,921	4,966
53	loss	5	54,043,919	54,046,325	2,407
54	loss	5	77,504,500	77,510,242	5,743
55	loss	5	77,654,536	77,658,171	3,636
56	gain	5	104,330,324	104,330,461	138
57	gain	5	105,074,327	105,246,359	172,033
58	gain	5	105,511,760	105,511,768	9
59	gain	5	108,247,920	108,250,780	2,861
60	gain	5	108,577,696	108,578,046	351
61	gain	5	112,964,873	112,965,257	385
62	loss	5	114,023,755	114,025,841	2,087
63	gain	5	118,388,158	118,388,803	646
64	loss	5	149,157,457	149,161,733	4,277
65	gain	6	24,062,606	24,063,639	1,034
66	gain	6	90,425,207	90,630,498	205,292
67	loss	6	103,383,705	103,390,323	6,619
68	gain	6	106,983,886	107,005,855	21,970
69	gain	6	107,066,975	107,080,793	13,819
70	gain	6	107,165,345	107,215,744	50,400
71	gain	6	108,513,916	108,515,505	1,590
72	gain	6	139,365,392	139,410,202	44,811
73	gain	6	139,939,182	139,950,758	11,577
74	gain	7	31,017,542	31,018,380	839
75	loss	7	32,592,721	32,664,939	72,219
76	gain	7	55,085,634	55,144,330	58,697
77	gain	7	55,530,099	55,697,115	167,017
78	gain	7	66,276,775	66,365,757	88,983
79	gain	7	66,602,567	66,662,582	60,016
80	loss	7	83,036,610	83,045,162	8,553
81	gain	8	15,914,783	15,915,336	554
82	gain	8	62,117,368	62,122,241	4,874
83	gain	8	62,394,500	62,415,746	21,247
84	gain	8	80,090,087	80,092,244	2,158
85	gain	9	107,579,484	107,579,834	351
86	loss	9	124,027,245	124,029,861	2,617
87	gain	10	15,272,668	15,312,534	39,867
88	gain	10	15,385,518	15,392,695	7,178
89	gain	10	22,055,760	22,093,887	38,128
90	loss	10	45,595,257	45,595,580	324
91	gain	11	31,063,766	31,093,596	29,831
92	gain	11	33,359,372	33,375,067	15,696
93	gain	11	33,520,397	33,533,195	12,799
94	gain	11	48,872,511	48,886,868	14,358
95	gain	11	51,897,884	51,901,279	3,396
96	gain	11	59,279,699	59,279,901	203
97	gain	11	60,139,991	60,140,876	886
98	gain	11	61,027,759	61,028,247	489
99	gain	11	61,983,060	61,987,642	4,583
100	gain	11	62,542,340	62,560,811	18,472
101	gain	11	63,568,906	63,626,723	57,818
102	gain	11	64,416,011	64,432,150	16,140
103	gain	11	99,535,111	99,556,997	21,887
104	gain	12	57,140,406	57,140,710	305
105	gain	12	68,607,741	68,610,144	2,404

106	gain	12	75,478,580	75,478,853	274
107	loss	12	93,121,761	93,131,642	9,882
108	loss	12	100,077,912	100,080,008	2,097
109	gain	12	113,806,302	113,812,930	6,629
110	loss	12	114,835,711	114,849,501	13,791
111	loss	12	115,272,059	115,379,105	107,047
112	loss	12	115,674,340	115,700,639	26,300
113	loss	12	115,795,799	115,836,215	40,417
114	loss	12	115,946,995	115,947,060	66
115	loss	12	115,984,508	116,002,850	18,343
116	gain	12	116,008,387	116,067,296	58,910
117	loss	12	116,067,623	116,152,939	85,317
118	loss	12	116,434,487	116,573,983	139,497
119	loss	12	116,897,754	116,987,621	89,868
120	loss	12	117,072,297	117,150,693	78,397
121	loss	13	25,099,130	25,099,212	83
122	gain	13	70,445,675	70,447,044	1,370
123	loss	13	110,512,099	110,531,531	19,433
124	gain	13	111,250,585	111,303,484	52,900
125	gain	14	35,539,377	35,543,834	4,458
126	gain	14	40,544,167	40,564,409	20,243
127	gain	14	74,318,558	74,331,581	13,024
128	gain	14	75,621,182	75,621,257	76
129	gain	14	95,503,000	95,503,444	445
130	gain	14	112,786,859	112,786,924	66
131	gain	15	21,160,286	21,161,985	1,700
132	gain	15	21,658,857	21,669,587	10,731
133	gain	15	42,106,846	42,112,059	5,214
134	gain	16	56,226,901	56,232,819	5,919
135	loss	17	5,413,864	5,433,454	19,591
136	gain	17	15,024,598	15,027,133	2,536
137	gain	17	32,776,807	32,785,160	8,354
138	gain	17	33,712,749	33,713,456	708
139	gain	17	53,151,598	53,160,082	8,485
140	gain	17	74,806,593	74,809,756	3,164
141	loss	17	88,725,194	88,792,207	67,014
142	loss	18	43,606,919	43,607,615	697
143	gain	18	43,609,197	43,611,237	2,041
144	loss	18	44,827,177	44,828,323	1,147
145	gain	18	71,609,676	71,611,282	1,607
146	loss	19	12,246,042	12,308,914	62,873
147	loss	19	20,020,406	20,021,069	664
148	gain	19	23,451,795	23,452,776	982
149	gain	19	34,989,784	34,990,197	414
150	gain	19	35,071,034	35,142,532	71,499
151	loss	19	35,148,473	35,148,919	447
152	gain	19	52,248,367	52,248,556	190
153	gain	19	52,346,092	52,353,968	7,877
154	loss	X	132,892,320	132,927,537	35,218