

Table S12: Association of CNVs, detected in CD-1 mice, with the behavior on the EPM. For five different parameters of the EPM test (the time animals spent on the open arm, the total distance they travelled, the full entries of animals into the open arm, and the latency to their first entry on the open arm) the nominal p-value and the p-value after Bonferroni correction are shown. The table is sorted by p-values of the percentage of time animals spent on the open arm. Statistical significance is defined as $p < 0.05$ and the respective values are highlighted in red. Values showing a trend ($p < 0.1$) are highlighted in yellow.

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
498	12	57,366,059	57,387,621	21,562	8	0.0005	0.3516	0.7511	573.8497	0.0454	34.7146	0.2527	193.0864	0.3385	258.6012
673	17	6,255,961	6,909,183	653,222	59	0.0012	0.8981	0.3976	303.7977	0.6910	527.8922	0.2082	159.0452	0.9387	717.1574
516	12	100,077,912	100,080,008	2,096	7	0.0013	1.0050	0.5048	385.6752	0.0118	9.0260	0.0031	2.3644	0.0538	41.0771
311	6	137,984,036	137,984,036	1	1	0.0024	1.8134	0.0493	37.6541	0.3300	252.1350	0.4519	345.2771	0.1385	105.8471
695	17	45,324,397	45,349,233	24,836	10	0.0026	2.0003	0.8218	627.8875	0.2448	187.0066	0.0526	40.2171	0.1388	106.0602
517	12	100,214,407	100,217,042	2,635	6	0.0034	2.5618	0.2048	156.4553	0.1084	82.8068	0.0082	6.2742	0.0038	2.9397
497	12	57,140,406	57,157,776	17,370	11	0.0039	3.0090	0.8841	675.4734	0.0605	46.2111	0.2601	198.7126	0.4703	359.2823
14	1	72,198,891	72,210,724	11,833	11	0.0048	3.6427	0.7485	571.8283	0.9226	704.8456	0.0431	32.9526	0.3934	300.5312
165	3	116,765,381	116,765,393	12	3	0.0049	3.7257	0.5194	396.8146	0.4215	322.0444	0.0582	44.4670	0.1594	121.8074
313	6	138,345,026	138,345,242	216	3	0.0056	4.2408	0.0750	57.2805	0.8564	654.3154	0.3751	286.6017	0.1130	86.3025
636	15	29,502,036	29,545,764	43,728	18	0.0072	5.5338	0.9034	690.2321	0.5443	415.8233	0.2295	175.3192	0.2044	156.1694
397	8	79,438,032	79,453,386	15,354	17	0.0088	6.6910	0.6207	474.2333	0.1531	116.9790	0.4066	310.6358	0.4150	137.0849
483	11	116,602,360	116,630,414	28,054	33	0.0089	6.8325	0.4513	344.7656	0.6047	461.9746	0.3565	272.3609	0.3713	283.6785
442	10	72,164,250	72,231,618	67,368	11	0.0093	7.1281	0.0437	33.4081	0.5593	427.3171	0.1199	91.6240	0.4366	333.5611
731	18	74,681,698	74,696,062	14,364	9	0.0098	7.5124	0.9233	705.3983	0.1085	82.9227	0.6668	509.4170	0.4643	354.7410
123	3	15,340,258	15,819,607	479,349	47	0.0109	8.3530	0.8616	658.2649	0.8862	677.0873	0.5948	454.3990	0.3686	281.5957
732	18	74,750,012	74,750,945	933	4	0.0114	8.6793	0.3612	275.9383	0.1038	79.2882	0.8343	637.4345	0.3546	270.9471
134	3	52,324,222	52,329,358	5,136	6	0.0131	9.9925	0.5238	400.1468	0.0958	73.2016	0.1518	115.9401	0.9752	745.0586
113	2	158,641,258	158,643,203	1,945	5	0.0139	10.6138	0.6690	511.1231	0.0130	9.9083	0.2234	170.6941	0.7788	595.0123
177	3	143,512,892	143,520,968	8,076	4	0.0144	10.9773	0.7407	565.8871	0.2476	189.1946	0.0829	63.3176	0.0929	70.9791
245	5	79,306,300	79,320,284	13,984	5	0.0151	11.5637	0.0277	21.1454	0.3220	246.0118	0.9932	758.8220	0.3165	241.7826
9	1	52,348,330	52,357,761	9,431	3	0.0173	13.2277	0.1814	138.6042	0.1835	140.1946	0.1025	78.3033	0.3660	279.6446
200	4	112,348,832	113,968,233	1,619,401	160	0.0203	15.5093	0.9449	721.8731	0.2895	221.2100	0.7591	579.9754	0.6047	461.9700
607	14	78,207,014	78,207,745	731	3	0.0208	15.9274	0.6630	506.4956	0.3780	288.7878	0.0157	12.0014	0.3573	273.0152
312	6	138,231,553	138,237,439	5,886	11	0.0221	16.9189	0.0867	66.2675	0.8153	622.8997	0.4357	332.8373	0.2682	204.8751
253	5	105,034,912	105,359,320	324,408	61	0.0236	18.0645	0.7670	586.0198	0.4282	327.1635	0.3721	284.2881	0.1346	102.8238
463	11	33,359,372	33,375,067	15,695	4	0.0261	19.9380	0.4561	348.4936	0.5927	452.8473	0.0925	70.6927	0.1565	119.5681
106	2	147,572,128	147,572,911	783	5	0.0265	20.2351	0.5891	755.6745	0.7789	595.0592	0.2327	177.7623	0.8544	652.7702
254	5	105,511,760	105,511,768	8	3	0.0281	21.4800	0.5491	419.5160	0.3375	257.8400	0.6869	524.8095	0.0651	49.7386
443	10	73,046,724	73,090,099	43,375	9	0.0286	21.8730	0.2707	206.8045	0.9364	715.4067	0.0233	17.7645	0.0414	31.6174
115	2	159,730,233	159,749,061	18,828	7	0.0297	22.7034	0.3067	234.3365	0.0105	8.0484	0.6132	468.4893	0.3012	230.1260
317	6	139,939,182	139,950,758	11,576	9	0.0303	23.1715	0.0343	26.2297	0.5397	412.2952	0.6426	490.9403	0.9379	716.5460
600	14	63,715,836	63,731,412	15,576	7	0.0317	24.1878	0.5837	445.9404	0.2851	217.8293	0.2508	191.6424	0.4448	339.8167
237	5	59,737,484	59,830,718	93,234	21	0.0331	25.3247	0.7187	549.0771	0.2296	175.4253	0.3247	248.0853	0.1977	151.0651
199	4	111,745,396	112,286,229	540,833	112	0.0338	25.8107	0.7299	557.6430	0.3791	289.6297	0.6247	477.2807	0.8433	644.3028
267	6	23,304,438	23,304,526	88	2	0.0351	26.8289	0.0760	58.0611	0.4595	351.0384	0.9861	753.3969	0.7614	581.7421
52	1	183,060,113	183,072,518	12,405	24	0.0351	26.8540	0.3395	259.3405	0.2830	216.2335	0.3015	230.3735	0.8613	658.0414
265	6	8,041,854	8,049,012	7,158	12	0.0359	27.4472	0.7685	587.1590	0.9620	734.9524	0.0053	4.0426	0.3540	270.4924
179	4	6,095,005	6,095,833	828	2	0.0364	27.7772	0.7155	546.6608	0.9912	757.2539	0.1468	112.1393	0.8224	628.3448
263	5	148,493,203	148,495,504	2,301	12	0.0368	28.1326	0.6280	479.8027	0.2540	194.0900	0.9745	744.5320	0.5838	466.0610
408	9	17,303,897	17,358,876	54,979	15	0.0374	28.5508	0.0341	26.0187	0.0524	40.0570	0.5410	413.3084	0.9111	696.0743
625	14	122,006,064	122,006,350	286	6	0.0375	28.6396	0.3449	263.4748	0.8606	657.5143	0.5032	384.4608	0.4554	347.9219
486	12	11,545,659	11,610,212	64,553	13	0.0391	29.8354	0.1769	135.1437	0.4320	330.0776	0.5179	395.6858	0.6850	523.3104
302	6	107,165,345	107,215,744	50,399	14	0.0401	30.6273	0.8577	655.2684	0.1065	81.3590	0.3781	288.8705	0.9320	712.0550
401	8	80,806,213	80,834,051	27,838	15	0.0414	31.6039	0.3792	289.7351	0.9180	701.3391	0.0519	39.6272	0.1466	111.9927
733	18	75,257,879	75,261,870	3,991	6	0.0426	32.5340	0.4265	325.8603	0.0902	68.8762	0.8392	641.1199	0.2194	167.6087
518	12	102,582,454	102,828,642	246,188	96	0.0440	33.5929	0.2701	206.3920	0.5945	454.1904	0.8912	680.8432	0.4594	351.0177
110	2	152,838,130	152,838,140	10	3	0.0447	34.1463	0.3971	303.4126	0.4239	323.8708	0.0907	69.3254	0.3390	259.0342
519	12	110,355,216	110,412,139	56,923	8	0.0456	34.8510	0.4866	731.7436	0.5330	407.1859	0.7813	596.8848	0.7472	570.8700
65	2	46,736,100	46,736,483	383	3	0.0457	34.9074	0.9735	743.7344	0.9873	754.2879	0.3600	275.0158	0.1525	116.4879
163	3	116,043,731	116,044,155	424	2	0.0457	34.9099	0.5338	407.8604	0.8795	671.9353	0.1045	79.8723	0.3805	290.6972
561	13	73,546,675	73,574,553	27,878	11	0.0461	35.2310	0.7433	567.8620	0.8515	650.5553	0.2641	201.7989	0.6685	510.6981
701	17	53,145,663	53,184,954	39,291	15	0.0464	35.4150	0.0448	34.2501	0.4576	349.5857	0.0070	5.3174	0.2791	213.2009
137	3	75,378,209	75,414,973	36,764	15	0.0481	36.7160	0.8080	617.3385	0.1324	101.1391	0.0160	12.1890	0.5894	450.2919
508	12	77,397,670	77,403,999	6,329	18	0.0489	37.3403	0.2353	179.8039	0.3281	250.6607	0.4543	347.0615	0.3886	296.8871
400	8	80,263,027	80,263,140	383	3	0.0503	38.4483	0.2607	199.1826	0.6020	459.9044	0.3831	292.6562	0.1701	158.1995
164	3	116,517,329	116,519,296	1,967	8	0.0509	38.9215	0.2230	170.3854	0.4332	331.0005	0.0996	76.1300	0.2055	157.0110
723	18	57,820,265	57,902,448	82,183	39	0.0525	40.1160	0.4933	376.8675	0.7145	545.9099	0.9025	689.5333	0.1812	138.4101
750	19	34,662,998	34,681,285	18,287	11	0.0534	40.7738	0.6981	533.3244	0.4260	325.4804	0.1322	100.9910	0.6131	468.3766
484	11	120,870,358	120,888,586	18,228	9	0.0536	40.9669	0.4974	380.0351	0.5878	449.0802	0.8961	684.6264	0.9465	723.1290
264	6	7,932,634	7,938,483	5,849	11	0.0553	42.2115	0.5118	391.0476	0.4177	319.1368	0.0062	4.7511	0.1671	127.6711
112	2	158,150,954	158,151,984	1,030	7	0.0562	42.9680	0.4226	322.8672	0.0815	62.2369	0.2478	189.3512	0.7269	555.3139
580	14	9,476,924	9,491,919	14,995	7	0.0563	43.0350	0.5222	398.9466	0.6407	489.4984	0.8148	622.5209	0.1363	104.1659
30	1	135,250,842	135,255,585	4,743	16	0.0616	47.0978	0.3047	232.7896	0.2871	219.3545	0.7804	596.2320	0.5463	417.3594
450	10	115,399,439	115,404,360	4,921	6	0.0623	47.6115	0.9033	690.0977	0.3064	234.0991	0.2			

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
715	18	8,199,910	8,205,008	5,098	4	0.1068	81.6217	0.2998	229.0531	0.3508	268.0469	0.1606	122.6894	0.4193	320.3739
139	3	75,701,773	75,712,088	10,315	27	0.1099	83.9858	0.4056	309.8542	0.1951	149.0263	0.0651	49.7095	0.7273	555.6752
122	3	10,385,565	10,390,978	5,413	14	0.1101	84.1121	0.7522	574.6551	0.4682	357.7234	0.0977	74.6642	0.9245	706.3003
243	5	77,492,850	77,510,553	17,703	9	0.1115	85.2122	0.5738	438.4092	0.1596	121.9678	0.9938	759.2580	0.5517	421.4611
13	1	71,734,705	71,741,575	6,870	8	0.1117	85.3394	0.4900	374.3971	0.6764	516.7842	0.2651	202.5491	0.6864	524.3784
554	13	52,271,399	52,275,352	3,953	6	0.1134	86.6153	0.5734	438.0953	0.0089	6.7817	0.5766	440.5299	0.9628	756.5658
19	1	97,254,323	97,293,244	38,921	6	0.1150	87.8957	0.5278	403.2153	0.3970	303.3303	0.6220	475.1814	0.3040	232.2311
220	5	10,562,250	10,612,072	49,822	9	0.1156	88.3542	0.8481	647.9799	0.2904	221.8302	0.3938	300.8735	0.3870	295.6401
259	5	116,694,063	116,703,656	9,593	6	0.1242	94.8653	0.2678	204.5704	0.4582	350.0738	0.2013	153.7981	0.5823	444.8751
223	5	24,721,251	24,722,132	881	2	0.1271	97.1253	0.2911	222.4059	0.2187	167.0991	0.2230	170.3655	0.1746	133.4250
186	4	56,211,617	56,212,288	671	6	0.1279	97.7188	0.0428	32.6981	0.7971	608.9466	0.7248	553.7238	0.4722	360.7381
103	2	142,748,719	142,766,622	17,903	6	0.1315	100.4331	0.6284	480.0754	0.2592	198.0036	0.5679	433.8983	0.5595	427.4583
4	1	31,776,449	31,799,110	22,661	4	0.1324	101.1219	0.5834	445.6985	0.3329	254.2979	0.1397	106.7025	0.8374	639.7412
284	6	70,686,052	70,700,249	14,197	8	0.1331	101.6735	0.2792	213.3364	0.8321	635.7598	0.9884	755.1725	0.7828	598.0519
182	4	19,295,055	19,299,440	4,385	4	0.1343	102.6143	0.5116	390.8818	0.6320	482.8832	0.7264	554.9539	0.9904	756.6597
379	7	126,590,644	126,592,641	1,997	7	0.1348	103.0026	0.8301	634.2343	0.1541	117.7641	0.6316	482.5211	0.5002	382.1737
755	19	44,222,802	44,223,055	253	4	0.1363	104.1556	0.5060	386.6196	0.4373	334.0719	0.2866	218.9917	0.2636	201.3995
565	13	101,131,358	101,185,606	54,248	42	0.1400	106.9312	0.5349	408.6569	0.8196	626.1592	0.2109	161.1114	0.0452	34.5535
307	6	128,595,431	128,596,253	822	3	0.1420	108.4713	0.3882	296.6209	0.5617	429.1522	0.2699	206.2105	0.9637	736.2625
621	14	110,191,067	110,226,475	35,408	15	0.1425	108.8363	0.6471	494.3508	0.6707	512.4424	0.2533	193.5084	0.2112	161.3918
677	17	21,378,620	21,419,945	41,325	23	0.1432	109.4037	0.0855	65.3253	0.1195	91.2620	0.4588	350.5421	0.5637	430.6499
416	9	49,959,080	49,978,944	19,864	10	0.1445	110.3750	0.6908	527.7577	0.9516	727.0025	0.6695	511.4847	0.0746	57.0204
138	3	75,623,409	75,627,481	4,072	7	0.1448	110.6408	0.6938	530.0262	0.1946	148.6779	0.0965	73.7211	0.9306	710.9635
642	15	47,894,162	47,942,137	47,975	12	0.1470	112.2953	0.7056	539.0810	0.7294	557.2694	0.3730	284.9937	0.9032	690.0268
482	11	112,741,985	112,742,345	360	2	0.1473	112.5003	0.9947	759.9558	0.2523	192.7953	0.1431	109.3075	0.6956	531.4292
704	17	70,419,780	70,420,015	235	4	0.1486	113.5512	0.2794	213.4354	0.0819	62.6066	0.4343	331.7995	0.9495	725.4497
266	6	15,857,424	15,864,027	6,603	8	0.1504	114.8783	0.9811	749.5923	0.3198	244.3362	0.7797	595.6955	0.2331	178.0917
292	6	82,601,443	82,602,661	1,218	9	0.1508	115.1830	0.0284	21.6650	0.4851	370.6315	0.9363	715.3349	0.2513	191.9967
685	17	34,521,273	34,521,839	566	4	0.1515	115.7815	0.4980	380.4837	0.7078	540.7724	0.5209	397.9788	0.0662	50.5824
716	18	11,268,641	11,308,509	39,868	13	0.1536	117.3585	0.8700	664.7068	0.1034	78.9826	0.6301	481.4131	0.6800	519.5475
445	10	99,340,365	99,364,548	24,183	8	0.1549	118.3620	0.9759	745.6111	0.2132	162.8569	0.0056	42.8880	0.8170	624.2163
696	17	47,888,395	47,889,838	1,443	5	0.1584	120.9957	0.6892	526.5132	0.6935	529.8228	0.7574	578.6571	0.8032	613.6633
612	14	84,464,875	84,610,363	145,488	25	0.1585	121.1274	0.5255	401.4618	0.6407	489.5107	0.1892	144.5462	0.9895	756.0123
562	13	74,876,460	74,877,016	556	4	0.1589	121.4005	0.1344	102.7094	0.8187	625.4999	0.6131	468.4461	0.2153	164.4535
653	15	66,051,348	66,054,407	3,059	8	0.1611	123.0889	0.0738	56.3983	0.7801	595.9750	0.9535	728.5003	0.3472	265.2288
295	6	98,496,702	98,523,715	27,013	7	0.1627	124.2703	0.2741	209.4441	0.1252	95.6484	0.2154	164.5542	0.5438	415.4488
502	12	66,669,557	66,671,717	2,160	5	0.1633	124.7700	0.0103	7.8755	0.0499	38.0902	0.9760	745.6791	0.1114	85.1400
756	19	50,825,237	50,868,798	43,561	17	0.1656	126.5141	0.3486	266.3000	0.5507	420.7530	0.7820	597.4679	0.1295	98.9471
428	10	15,385,518	15,432,971	47,453	8	0.1662	126.9397	0.1288	98.3753	0.6207	474.2502	0.7505	573.3626	0.7316	558.9271
764	X	166,341,476	166,428,718	87,242	74	0.1664	127.1214	0.4155	317.4485	0.3975	303.6681	0.9608	690.5379	0.4859	371.1995
187	4	57,769,227	57,769,969	742	10	0.1671	127.6945	0.8154	622.9650	0.5332	407.3841	0.3246	248.0062	0.9023	689.3735
553	13	51,435,014	51,439,412	4,398	4	0.1697	129.6667	0.7255	554.2540	0.9859	753.2232	0.4181	319.4062	0.8731	667.0412
281	6	70,210,441	70,265,090	54,649	19	0.1716	131.0805	0.5325	406.8062	0.7885	602.4355	0.9888	755.4678	0.8007	611.7376
378	7	126,424,614	126,433,784	9,170	7	0.1723	131.6206	0.8420	643.2602	0.1222	93.3506	0.5598	427.6629	0.8854	676.4619
609	14	81,762,359	82,272,046	509,687	95	0.1764	134.7685	0.1671	127.6786	0.2327	177.7494	0.8863	677.1406	0.9156	699.5300
664	16	45,375,511	45,390,941	15,430	5	0.1773	135.4387	0.0546	41.6793	0.2771	211.6904	0.2392	182.7545	0.0046	3.4839
760	19	60,848,615	60,849,582	967	6	0.1781	136.0907	0.0782	59.7391	0.6016	459.6529	0.3991	304.9505	0.6876	525.3608
208	5	3,499,602	3,519,482	19,880	13	0.1799	137.4526	0.0994	75.9414	0.3004	229.4830	0.1849	141.2543	0.9001	687.6864
367	7	113,403,102	113,539,296	136,194	13	0.1811	138.3448	0.4304	328.8107	0.1200	91.6704	0.6065	463.3417	0.2698	206.1160
549	13	25,099,130	25,099,212	82	3	0.1815	138.6721	0.3795	289.9153	0.0378	28.8502	0.6233	476.1661	0.8197	626.2637
219	5	10,100,240	10,117,317	17,077	11	0.1845	140.9254	0.8617	658.3303	0.5143	392.9613	0.1900	145.1515	0.6899	527.0891
162	3	114,246,547	114,456,005	209,458	37	0.1864	142.4456	0.6737	514.7182	0.0274	20.9205	0.4696	358.7826	0.3735	285.3240
660	16	32,184,109	32,184,127	18	3	0.1871	142.9218	0.0077	5.9000	0.0083	6.3317	0.8148	622.5276	0.5302	405.1092
632	15	22,146,459	22,192,021	45,562	7	0.1889	144.3478	0.0189	14.4140	0.1934	147.7517	0.0767	58.6270	0.4463	340.9364
746	19	22,260,383	22,278,255	17,872	8	0.1890	144.4010	0.3747	286.2403	0.0248	18.9604	0.2171	165.8285	0.2331	178.1236
151	3	82,811,832	82,812,650	818	12	0.1901	145.2526	0.4417	337.4798	0.0593	45.3353	0.1061	81.0605	0.2422	185.0243
481	11	99,948,025	99,948,032	7	3	0.1909	145.8619	0.4297	328.2749	0.7037	537.6372	0.5112	390.5644	0.8582	655.6792
471	11	48,851,297	48,886,868	35,571	11	0.1910	145.8897	0.1633	124.7479	0.5037	384.8323	0.3913	298.9165	0.9263	707.6612
619	14	108,869,805	109,052,336	182,531	21	0.1911	145.9834	0.6581	502.7848	0.5251	401.1845	0.2558	195.4541	0.4444	339.5349
213	5	5,584,666	5,584,972	306	7	0.1914	146.2607	0.0320	24.4604	0.1508	115.2355	0.2511	191.8361	0.4144	316.6217
569	13	109,177,164	109,203,852	26,688	19	0.1931	147.5468	0.1329	101.5269	0.0780	59.5591	0.7258	554.5095	0.0887	67.7562
555	13	65,478,774	66,413,713	1,434,939	36	0.1941	148.3263	0.6325	483.2306	0.7947	607.1594	0.3524	269.1991	0.8685	663.5084
120	3	7,421,882	7,421,985	103	2	0.1974	150.7837	0.2256	172.3407	0.1220	93.2338	0.7580	579.1428	0.7409	566.0602
71	2	65,188,132	65,192,936	4,804	7	0.1986	151.7612	0.4405	336.5567	0.8318	635.4979	0.4907	374.8910	0.9062	692.3736
102	2	141,299,494	141,324,822	25,328	10	0.2000	152.8422	0.9396	717.8821	0.2039	155.7891	0.9910	757.0934	0	

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
613	14	85,098,924	85,109,651	10,727	4	0.2349	179.4399	0.8281	632.6648	0.5523	421.9441	0.5022	383.6473	0.7039	537.7506
373	7	115,566,346	115,604,872	38,526	12	0.2360	180.3282	0.0482	36.8001	0.1446	110.4711	0.8653	661.0754	0.2260	172.6653
620	14	110,067,383	110,117,892	50,509	23	0.2376	181.5129	0.5357	409.2817	0.5542	423.4438	0.2291	175.0532	0.2829	216.1398
345	7	54,813,251	54,974,058	160,807	21	0.2399	183.2780	0.4710	359.8263	0.4525	345.6803	0.0067	5.0815	0.2104	160.7412
77	2	83,693,539	83,697,762	4,223	8	0.2422	185.0231	0.7677	586.5235	0.7283	556.4456	0.0099	7.5491	0.1888	144.2268
573	13	111,250,585	111,303,484	52,899	9	0.2424	185.1848	0.8419	643.2048	0.0891	68.0404	0.6209	474.3740	0.1713	589.2939
591	14	37,935,152	37,946,976	11,824	22	0.2435	186.0155	0.2098	160.2728	0.5996	458.0997	0.0693	52.9673	0.2315	176.8420
659	15	100,148,252	100,195,778	47,526	23	0.2455	187.9562	0.8281	632.6775	0.1595	121.8539	0.8540	652.4754	0.9473	723.7213
225	5	37,404,544	37,441,150	36,606	12	0.2475	189.0669	0.0739	56.4572	0.8629	659.2938	0.9191	702.1653	0.4055	309.8353
270	6	34,205,393	34,221,475	16,082	8	0.2485	189.8489	0.2396	183.0279	0.9321	712.1360	0.1235	94.3268	0.8786	671.2295
630	15	21,134,231	21,172,655	38,424	11	0.2541	194.1112	0.0206	15.7175	0.8927	682.0421	0.0267	20.3916	0.7630	582.9254
570	13	110,143,424	110,148,369	4,945	4	0.2549	194.7431	0.4201	320.9867	0.1211	92.4858	0.1299	99.2110	0.4650	355.2529
759	19	58,755,311	58,769,822	14,511	9	0.2564	195.9274	0.1966	150.1654	0.0273	20.8715	0.5443	415.8480	0.0407	31.1282
761	X	132,892,320	132,962,355	70,035	9	0.2565	195.9730	0.7120	543.9723	0.6773	517.4351	0.2961	226.2127	0.6449	492.6838
56	2	10,026,781	10,026,809	28	3	0.2571	196.4239	0.7588	579.7574	0.0560	42.8121	0.4532	346.2633	0.0714	54.5254
740	19	13,926,464	13,952,598	26,134	18	0.2573	196.5785	0.7502	573.1237	0.6793	518.9769	0.2042	156.0202	0.9941	759.5086
375	7	116,229,414	116,230,142	728	2	0.2582	197.2624	0.0340	25.9387	0.0683	52.2118	0.4873	372.3048	0.2971	226.9525
688	17	35,565,259	35,576,419	11,160	9	0.2599	198.5365	0.3132	239.3157	0.0401	30.6518	0.1836	140.2565	0.0256	19.5686
472	11	59,279,699	59,279,901	202	2	0.2614	199.6973	0.3406	260.2070	0.1393	106.4272	0.2442	186.5391	0.0208	15.8701
355	7	109,754,987	109,760,894	5,907	3	0.2620	200.1356	0.3093	236.2945	0.0049	3.7116	0.6422	490.6722	0.6165	470.9960
522	12	114,835,711	114,963,919	128,208	50	0.2623	200.3887	0.3853	294.4074	0.2068	157.9730	0.8497	649.1627	0.3890	297.2121
687	17	35,482,411	35,482,653	242	6	0.2625	200.5476	0.2146	163.9792	0.0170	12.9760	0.6881	525.7196	0.0123	9.4086
130	3	36,939,970	36,945,279	5,309	13	0.2653	202.6890	0.7725	590.1933	0.9198	702.6993	0.9811	749.5465	0.1999	152.7506
215	5	6,935,526	6,993,918	58,392	8	0.2661	203.3005	0.0318	24.3269	0.1337	102.1172	0.1862	142.2647	0.7278	556.0336
368	7	115,004,586	115,041,563	36,977	9	0.2673	204.2089	0.0621	47.4668	0.0498	38.0692	0.7959	608.0379	0.3326	254.1349
626	15	18,654,064	18,701,020	46,956	15	0.2674	204.2966	0.9218	704.2514	0.7401	565.4133	0.2304	176.0042	0.1605	122.6333
231	5	56,305,332	56,639,679	334,347	64	0.2720	207.7987	0.2474	189.0082	0.2980	227.6832	0.3852	294.2612	0.9312	711.4220
86	2	90,687,682	90,704,935	17,253	30	0.2725	208.1566	0.4591	350.7446	0.6533	499.1228	0.2027	154.8504	0.0940	71.8158
22	1	116,260,504	116,348,067	87,563	21	0.2738	209.2044	0.1859	142.0614	0.4429	338.3989	0.8436	644.5179	0.8695	664.2606
361	7	111,067,015	111,077,749	10,734	10	0.2781	212.4595	0.2715	207.4346	0.0097	7.3829	0.8963	684.8067	0.9683	739.7964
571	13	110,285,017	110,360,210	75,193	25	0.2788	213.0382	0.2598	198.4915	0.0085	6.4715	0.1668	127.4586	0.5901	450.8405
395	8	62,393,103	62,420,070	26,967	13	0.2803	214.1302	0.9252	706.8677	0.8871	677.7319	0.3823	292.0444	0.4129	315.4514
23	1	117,256,807	117,267,404	10,597	4	0.2807	214.4432	0.2883	220.2502	0.6147	469.6052	0.8245	629.9406	0.8982	686.2244
193	4	89,324,010	89,327,913	3,903	9	0.2831	216.3017	0.0012	0.9010	0.0473	36.1192	0.4818	368.0687	0.4685	357.9530
551	13	26,062,769	26,097,780	35,011	6	0.2835	216.5684	0.5580	426.3395	0.1385	105.8246	0.3837	293.1338	0.4515	344.9557
294	6	97,429,680	97,475,425	45,745	19	0.2868	219.1454	0.0855	65.2893	0.3101	236.9337	0.4952	378.3680	0.3831	292.6658
90	2	97,990,327	98,098,900	108,573	16	0.2877	219.7666	0.1708	130.4792	0.2373	181.2933	0.7296	557.3837	0.9242	706.0790
492	12	32,849,195	32,849,548	353	2	0.2878	219.8688	0.0533	40.7294	0.0098	7.5013	0.3582	273.6458	0.3748	286.3385
316	6	139,864,605	139,882,163	17,558	9	0.2921	223.1281	0.6687	510.8582	0.5134	392.2225	0.1594	121.7665	0.2297	175.4595
616	14	95,445,940	95,528,057	82,117	17	0.2924	223.3703	0.1040	79.4691	0.2275	173.7779	0.9029	689.8330	0.8689	663.8572
606	14	75,621,182	75,623,938	2,756	8	0.2935	224.1966	0.9877	754.5736	0.1054	80.5590	0.2163	165.2608	0.8699	664.6365
64	2	38,974,768	38,976,716	1,948	5	0.2943	224.8502	0.3274	250.1669	0.2378	181.6607	0.7827	597.9665	0.3780	288.8301
268	6	24,062,606	24,063,639	1,033	6	0.2954	225.6496	0.5542	423.4406	0.5648	431.4785	0.3857	294.6408	0.6026	460.4179
721	18	44,715,384	44,733,855	18,471	4	0.2962	226.2843	0.0637	48.6293	0.6303	481.5465	0.0096	7.3112	0.3565	272.3291
126	3	19,248,566	19,249,465	899	4	0.2970	226.9237	0.9321	712.1224	0.5940	453.8116	0.5904	451.0931	0.5600	427.8093
700	17	52,525,043	52,562,891	37,848	12	0.2976	227.3473	0.4077	311.4549	0.6147	469.6632	0.1053	80.4855	0.1841	140.6423
752	19	35,148,473	35,148,919	446	5	0.2980	227.6371	0.9374	716.1764	0.6789	518.6867	0.6498	496.4508	0.4408	336.7687
564	13	95,862,954	95,864,309	1,355	4	0.3000	229.2003	0.4758	363.5248	0.2994	228.7052	0.3629	277.2277	0.0537	41.0542
648	15	57,340,168	57,347,478	7,310	10	0.3007	229.7283	0.8645	660.4798	0.5295	404.5326	0.5669	433.1380	0.1665	127.1709
275	6	67,876,359	68,253,141	376,782	109	0.3008	229.7956	0.0185	14.1632	0.4990	381.2381	0.3941	301.0771	0.4297	328.2928
611	14	84,107,263	84,127,489	20,226	7	0.3021	230.8346	0.3596	274.7650	0.8345	637.5941	0.1680	128.3173	0.8964	684.8341
507	12	77,072,190	77,074,593	2,403	3	0.3032	231.6419	0.4898	374.1922	0.0770	58.8411	0.1771	135.3378	0.9148	698.8761
357	7	109,855,744	109,858,484	2,740	7	0.3044	232.5314	0.1851	141.3783	0.0049	3.7357	0.8866	677.3901	0.7526	574.9861
490	12	29,152,942	29,155,139	2,197	3	0.3044	232.5566	0.6144	469.3754	0.8151	622.7119	0.8300	634.1065	0.0721	55.0851
514	12	96,196,196	96,223,173	26,977	11	0.3102	236.9691	0.7793	595.3831	0.7494	572.5177	0.4137	316.0677	0.0465	35.5244
282	6	70,355,698	70,358,974	1,276	7	0.3108	237.4327	0.0765	58.4451	0.5766	440.4895	0.7096	542.1684	0.4640	354.4969
528	12	116,056,336	116,152,952	96,616	27	0.3109	237.5385	0.8441	644.9176	0.2332	178.1940	0.3427	261.8153	0.5215	398.4274
386	8	29,493,904	29,531,641	37,737	6	0.3117	238.1136	0.0517	39.5304	0.8116	620.0698	0.4892	373.7122	0.1094	83.6178
242	5	73,849,774	73,880,229	30,455	12	0.3128	238.9817	0.9235	705.5592	0.6359	256.6430	0.6355	485.5410	0.8167	623.9705
8	1	42,233,858	42,246,588	12,730	4	0.3139	239.8012	0.3566	272.4740	0.9993	763.4304	0.7146	545.9545	0.3216	245.6810
128	3	24,116,353	24,157,241	40,888	9	0.3182	243.1355	0.5543	423.4904	0.9344	713.8821	0.2259	172.6027	0.2229	170.2846
679	17	27,427,669	27,585,674	158,005	67	0.3208	245.0662	0.6255	477.8952	0.8391	641.1056	0.4153	317.2734	0.8175	624.5352
377	7	117,633,683	117,650,114	16,431	5	0.3225	246.3713	0.0100	7.6598	0.0366	27.9897	0.4455	340.3569	0.0828	63.2245
172	3	138,263,100	138,275,710	12,610	5	0.3229	246.6959	0.7472	570.8532	0.0485	37.0785	0.5066	387.0311	0.7592	580.0580
546	13	19,273,334	19,275,613	2,279</											

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
25	1	124,786,026	124,822,324	36,298	17	0.3575	273.1447	0.1041	79.5355	0.6009	459.1242	0.6636	507.0226	0.3323	253.8802
745	19	20,020,406	20,021,069	663	4	0.3582	273.6529	0.8732	667.1070	0.0343	26.1880	0.1369	104.5733	0.4670	356.8243
362	7	111,120,174	111,154,197	34,023	18	0.3634	277.6489	0.3855	294.5532	0.0063	4.8214	0.9035	690.2632	0.8891	679.2630
739	19	12,220,912	12,308,914	88,002	18	0.3722	284.3279	0.9673	739.0069	0.7703	588.4759	0.3341	255.2202	0.1032	78.8492
240	5	65,457,666	65,458,442	776	4	0.3726	284.6798	0.0119	9.0708	0.8403	641.9647	0.3503	267.5949	0.8551	653.2612
370	7	115,300,845	115,399,384	98,539	22	0.3730	284.9497	0.0881	67.3216	0.0336	25.6619	0.8706	665.1434	0.2523	192.7456
575	13	114,694,855	114,724,317	29,462	12	0.3753	286.7371	0.5733	437.9862	0.3198	244.3550	0.1796	137.1808	0.9134	697.8593
170	3	137,032,543	137,036,277	3,734	6	0.3782	288.9146	0.7939	606.5230	0.1052	80.3360	0.7420	566.8511	0.3610	275.8285
227	5	54,011,829	54,052,518	40,689	9	0.3798	290.1824	0.1641	125.3591	0.4867	371.8175	0.5079	388.0186	0.3880	296.4079
47	1	175,732,220	175,912,848	180,628	66	0.3800	290.3200	0.4921	375.9352	0.2901	221.6406	0.1653	126.3234	0.4524	345.6602
67	2	51,610,260	51,614,420	4,160	4	0.3844	293.7052	0.3466	264.7986	0.3083	235.5529	0.0406	31.0449	0.0053	4.0794
114	2	159,276,790	159,289,145	12,355	7	0.3862	295.0619	0.1822	139.2076	0.1429	109.1860	0.6121	467.6494	0.7449	569.0941
160	3	111,559,680	111,562,943	3,263	4	0.3887	296.9886	0.8001	611.3066	0.0729	55.7019	0.8107	619.3708	0.2501	191.0890
424	10	7,534,475	7,534,653	178	4	0.3897	297.7203	0.4054	309.6925	0.4531	346.1499	0.2920	223.0862	0.3529	269.6435
419	9	103,355,461	103,358,235	2,774	4	0.3919	299.4083	0.5218	398.6569	0.9256	707.1426	0.7980	609.6918	0.1417	108.2346
210	5	4,844,004	4,869,796	25,792	9	0.3928	300.1052	0.0418	31.9491	0.1970	150.4880	0.4584	350.2195	0.9361	715.1470
333	7	16,481,510	16,489,413	7,903	14	0.3982	304.2381	0.8888	679.0261	0.4434	338.7440	0.1922	146.8400	0.6918	528.5381
404	8	99,022,008	99,032,230	10,222	9	0.4002	305.7534	0.5909	451.4098	0.9549	729.5496	0.0980	74.9052	0.3361	256.7762
590	14	36,600,804	36,600,995	191	3	0.4002	305.7744	0.5407	413.0979	0.3909	298.6184	0.5188	396.3319	0.7507	573.5442
399	8	80,089,624	80,092,244	2,620	6	0.4004	305.8911	0.7047	538.3731	0.7214	551.1541	0.9026	689.5819	0.1948	148.8217
33	1	145,624,593	145,649,348	24,755	33	0.4010	306.3776	0.3984	304.3920	0.0109	8.3460	0.8216	627.7018	0.5272	402.7763
603	14	72,957,542	72,959,141	1,599	7	0.4022	307.3097	0.5170	394.9516	0.1087	83.0772	0.1682	128.5089	0.2069	158.0418
439	10	65,108,691	65,113,379	4,688	7	0.4041	308.7279	0.0488	37.3157	0.4378	334.4595	0.4224	322.6892	0.6459	493.4453
426	10	12,334,301	12,334,411	110	3	0.4048	309.2888	0.8595	656.6796	0.9249	706.6140	0.5528	422.3726	0.8756	668.9802
93	2	100,669,661	100,698,052	28,391	7	0.4061	310.2935	0.1599	122.1713	0.3724	284.5227	0.7024	536.6500	0.4733	361.6168
366	7	112,352,842	112,433,900	81,058	21	0.4066	310.6390	0.6925	529.0524	0.1136	86.7953	0.7895	603.2132	0.6598	504.0620
174	3	141,728,366	141,728,691	325	4	0.4073	311.1746	0.0013	1.0010	0.4402	336.2809	0.4242	324.0972	0.7527	575.0880
360	7	110,370,159	110,419,407	121,248	30	0.4081	311.7582	0.2349	179.4675	0.0085	6.5216	0.8586	656.0038	0.9051	691.5326
180	4	8,414,927	8,415,380	453	3	0.4084	312.0007	0.5582	426.4813	0.6945	530.6180	0.9127	697.2964	0.8675	662.7564
1	1	16,147,549	16,166,507	18,958	8	0.4100	313.2759	0.0929	70.9640	0.2174	166.1218	0.2228	170.1857	0.0369	28.1912
712	17	87,411,269	87,421,277	10,008	11	0.4107	313.7978	0.4635	354.1488	0.9958	760.8267	0.8421	643.3412	0.2081	159.0221
645	15	55,025,921	55,026,265	344	3	0.4109	313.8960	0.9998	763.8396	0.3298	251.9745	0.0910	69.5476	0.5904	451.0410
17	1	79,034,685	79,074,361	39,676	13	0.4114	314.3010	0.0718	54.8462	0.5338	407.8277	0.7695	587.9260	0.1593	121.7101
667	16	72,099,380	72,103,464	4,084	5	0.4129	315.4196	0.8004	611.5244	0.9000	687.5620	0.3972	303.4929	0.0751	57.3999
159	3	110,734,020	110,807,739	73,719	12	0.4131	315.5874	0.9578	731.7870	0.7755	592.4837	0.2612	199.5800	0.4208	321.5020
221	5	10,785,521	11,246,794	461,273	17	0.4137	316.0355	0.4242	324.0862	0.7425	567.2959	0.2974	227.2348	0.9197	702.6193
73	2	71,656,510	71,687,549	31,039	67	0.4138	316.1205	0.3343	255.4020	0.9794	748.2489	0.9646	736.9364	0.7220	551.6439
572	13	110,512,099	110,531,531	19,432	16	0.4138	316.1627	0.1898	145.0263	0.0898	68.5744	0.2970	226.8816	0.5260	401.8500
364	7	111,485,184	111,501,846	16,662	20	0.4139	316.2062	0.3457	264.1060	0.0044	3.3815	0.9230	705.1518	0.8627	659.0962
280	6	69,452,717	69,650,773	198,056	45	0.4141	316.3844	0.0262	20.0375	0.4255	325.0948	0.2688	205.3432	0.2202	168.2628
81	2	88,639,234	88,671,005	31,771	13	0.4152	317.1837	0.6279	479.6957	0.1720	131.4324	0.0553	42.2800	0.3110	237.6325
466	11	40,938,197	40,942,448	4,251	3	0.4170	318.5638	0.6030	460.6550	0.3497	267.1356	0.7751	592.1902	0.6091	465.3691
257	5	112,964,873	112,965,257	384	3	0.4181	319.4215	0.9686	740.0372	0.2953	225.5888	0.8027	613.2927	0.3417	261.0678
405	8	99,036,252	99,037,492	1,240	6	0.4192	320.2825	0.4767	364.2004	0.6902	527.3100	0.2848	217.5817	0.1670	127.5652
246	5	84,551,530	84,563,500	11,970	10	0.4214	321.9309	0.5761	440.1781	0.2327	177.7705	0.9739	744.0388	0.2573	196.5990
459	11	29,035,527	29,037,126	1,599	5	0.4240	323.9441	0.5579	426.2672	0.7106	542.8687	0.8341	637.2234	0.1281	97.8362
680	17	30,582,926	31,058,945	476,019	439	0.4246	324.3797	0.0206	15.7346	0.2007	153.3545	0.5798	443.0017	0.1263	96.4920
296	6	101,279,285	101,286,899	7,614	6	0.4259	325.3955	0.3268	249.6854	0.9315	711.6990	0.5980	456.8369	0.3942	301.2041
5	1	35,232,073	35,235,862	3,789	4	0.4272	326.6141	0.4460	340.7147	0.5246	400.7699	0.6764	516.7703	0.6356	485.6256
104	2	145,449,366	145,461,121	11,755	12	0.4275	326.6004	0.2365	180.6491	0.1347	102.8818	0.9073	693.1612	0.5986	457.2939
79	2	85,832,974	85,867,734	34,760	11	0.4281	327.0649	0.5273	402.8726	0.8560	653.9662	0.0432	32.9713	0.4571	349.2008
540	13	16,433,591	16,468,016	34,425	6	0.4283	327.2338	0.1776	135.6521	0.6856	523.8069	0.8213	627.5025	0.5253	401.2987
493	12	33,508,991	33,511,756	2,765	8	0.4285	327.3648	0.0508	38.8060	0.0574	43.8374	0.4224	322.6786	0.4220	322.4312
544	13	17,574,927	17,603,308	28,381	9	0.4294	328.0897	0.2480	189.4806	0.2007	153.3213	0.9808	749.3350	0.1034	78.9996
578	13	118,327,963	118,338,845	10,882	6	0.4304	328.8515	0.8899	679.8582	0.1405	107.3721	0.7455	569.5627	0.6640	507.2973
76	2	77,675,871	77,873,766	197,895	90	0.4334	331.1324	0.5353	408.9548	0.9031	689.9474	0.0160	12.2489	0.7803	596.1837
201	4	121,651,872	122,237,050	585,178	26	0.4349	332.2784	0.3486	266.3595	0.1829	139.7659	0.8788	671.3925	0.0228	17.3847
747	19	26,846,010	26,846,087	77	3	0.4350	332.3456	0.0818	62.4977	0.4959	378.8992	0.7319	559.2000	0.6652	508.1836
272	6	45,499,299	45,520,306	21,007	9	0.4351	332.4470	0.0321	24.4866	0.1853	141.5368	0.0257	19.6343	0.1855	141.6950
132	3	46,180,539	46,182,502	1,963	3	0.4358	332.9265	0.9417	719.4797	0.6718	513.2827	0.1486	113.5580	0.6790	518.7736
438	10	64,959,612	64,965,464	5,852	4	0.4361	333.1907	0.2755	210.4870	0.2570	196.3469	0.9775	746.8472	0.6898	526.9736
530	12	116,359,895	116,583,730	223,835	83	0.4373	334.0948	0.8044	614.5624	0.5776	441.2888	0.2289	174.8698	0.7238	552.9654
383	8	28,519,836	28,531,880	12,044	14	0.4377	334.3899	0.6598	504.0490	0.8874	677.9702	0.0930	71.0181	0.3320	253.6177
523	12	115,034,479	115,040,077	5,598	8	0.4391	335.5032	0.0799	61.0495	0.2271	173.4762	0.7844	599.2977	0.8051	615.0800
714	17	92,827,951	92,829,001	95,050	18	0.4433	338.6836	0.9248	706.5352	0.3256	6				

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
396	8	76,812,850	76,823,496	10,646	6	0.4815	367.8404	0.7674	586.3243	0.8972	685.4532	0.3995	305.2469	0.3457	264.0916
131	3	38,148,460	38,176,970	28,510	6	0.4817	368.0511	0.1632	124.6491	0.8129	621.0422	0.9588	732.5026	0.1524	116.4195
448	10	109,341,525	109,363,075	21,550	12	0.4828	368.8822	0.9378	716.4457	0.7542	576.1964	0.8591	656.3405	0.4172	318.7337
96	2	107,456,118	107,456,210	92	3	0.4843	369.9712	0.5645	431.3054	0.3449	263.5418	0.6344	484.7174	0.0319	24.3462
643	15	48,458,300	48,477,647	19,347	3	0.4848	370.3872	0.6707	512.4467	0.1297	99.1151	0.7163	547.2561	0.8404	642.0873
543	13	17,390,746	17,391,604	858	3	0.4886	373.2751	0.5106	390.1012	0.9432	720.5952	0.4070	310.9610	0.6911	528.0293
78	2	85,646,753	85,648,776	2,023	5	0.4897	374.1654	0.5525	422.1270	0.6938	530.0992	0.0398	30.4066	0.8588	656.1256
42	1	159,719,419	160,644,184	924,765	434	0.4910	375.1026	0.6219	475.0988	0.9197	702.6619	0.1523	116.3214	0.4245	324.2962
347	7	55,012,164	55,036,726	24,562	3	0.4914	375.4005	0.4810	367.4681	0.6683	510.5766	0.0233	17.7959	0.4537	346.6258
391	8	52,394,663	52,466,264	71,601	14	0.4930	376.6262	0.6719	513.3013	0.5856	447.3962	0.0641	48.9857	0.0550	42.0430
582	14	13,703,652	13,703,878	226	2	0.4936	377.0779	0.6837	522.3482	0.6360	485.8912	0.3946	301.4704	0.3888	297.0136
247	5	85,651,181	85,653,617	2,436	3	0.4988	381.0782	0.6490	495.8287	0.1626	124.2614	0.9396	717.8396	0.3054	233.3046
460	11	29,170,076	29,217,510	47,434	9	0.5011	382.8671	0.0564	43.1107	0.7999	611.1553	0.5074	387.6611	0.0390	29.8299
252	5	94,161,655	96,262,456	2,100,801	10	0.5013	383.0241	0.7911	604.3893	0.3903	298.2155	0.3286	251.0763	0.4017	306.8621
155	3	93,569,096	94,040,272	471,176	40	0.5014	383.0654	0.2187	167.1103	0.4047	309.2180	0.3732	285.0876	0.1924	146.9990
566	13	101,744,103	101,745,478	1,375	4	0.5061	386.6293	0.1413	107.9760	0.2391	182.6598	0.9126	697.2610	0.5293	404.3525
37	1	151,114,382	151,189,461	75,079	19	0.5075	387.6968	0.1850	141.3389	0.8773	670.2474	0.4355	332.7160	0.6987	533.7901
713	17	88,952,743	88,963,711	10,968	20	0.5075	387.7101	0.8720	666.2412	0.9445	721.6193	0.8571	654.8452	0.7811	596.7916
98	2	119,435,715	119,443,644	7,929	14	0.5083	388.3306	0.0784	59.9296	0.3736	285.4025	0.5610	428.6268	0.6380	487.4314
475	11	64,416,011	64,432,150	16,139	6	0.5088	388.7338	0.3856	294.5880	0.5694	435.0340	0.6435	491.6342	0.3907	298.5070
655	15	68,444,814	68,498,293	53,479	9	0.5088	388.7420	0.3371	257.5081	0.0804	61.4289	0.9196	702.6121	0.1208	92.2784
410	9	35,652,844	35,699,172	76,328	71	0.5093	389.0748	0.2245	171.5073	0.1474	112.6276	0.2087	159.4526	0.4100	313.2567
527	12	115,869,496	115,975,158	105,662	31	0.5097	389.4440	0.7825	597.8008	0.5110	390.4413	0.2256	172.3477	0.6089	465.2266
581	14	11,851,066	11,874,015	22,949	9	0.5120	391.1480	0.7638	583.5543	0.8640	660.0803	0.4104	313.5563	0.8711	665.5549
167	3	122,728,997	122,729,137	140	3	0.5146	393.1728	0.1460	11.5585	0.5159	394.1479	0.1317	100.6103	0.1110	84.7996
44	1	170,514,272	170,514,364	92	3	0.5148	393.2888	0.9084	693.9956	0.3963	302.7474	0.1557	118.9460	0.0605	46.2272
672	17	4,743,771	4,743,805	34	2	0.5163	394.9122	0.0446	34.0471	0.7360	562.3298	0.7005	535.1445	0.3315	253.2983
388	8	34,256,748	34,305,880	49,132	12	0.5179	395.7129	0.4637	354.2312	0.8246	629.9993	0.7490	572.2221	0.2936	224.3341
604	14	73,243,966	73,249,111	5,145	6	0.5187	396.2809	0.2915	222.6990	0.0078	5.9775	0.3443	263.0433	0.4646	354.9672
175	3	142,632,626	142,644,531	11,905	6	0.5201	397.3282	0.0427	32.6510	0.6655	508.4100	0.7889	602.7072	0.0601	45.9146
101	2	131,988,279	131,995,341	7,062	4	0.5241	400.4112	0.1120	85.6040	0.1465	111.9073	0.1109	84.7121	0.2779	212.3433
188	4	71,762,125	71,768,691	6,566	4	0.5243	400.5450	0.0008	0.5738	0.8144	622.1766	0.0320	24.4474	0.1001	76.4969
196	4	101,601,485	101,601,817	332	3	0.5254	401.3968	0.4253	324.9480	0.9701	741.1890	0.9750	744.8843	0.6351	485.1795
279	6	69,017,899	69,193,441	175,542	21	0.5264	402.1595	0.0344	26.2455	0.4593	350.8809	0.3065	234.1329	0.2307	176.2605
57	2	13,664,146	13,664,834	688	3	0.5279	403.2963	0.1144	87.3676	0.1326	101.3308	0.8085	617.6719	0.0443	33.8646
479	11	91,182,491	91,224,527	42,036	10	0.5283	403.5892	0.4276	326.6959	0.1239	94.6867	0.3265	249.4089	0.6694	511.4575
319	6	142,719,701	142,721,973	2,272	9	0.5288	404.0079	0.5462	417.2835	0.4224	322.7269	0.8614	658.1044	0.2266	173.0938
149	3	80,664,095	80,665,695	1,600	7	0.5300	404.9249	0.3866	295.3892	0.5858	447.5228	0.1489	113.7384	0.4580	349.8759
26	1	125,564,862	125,583,245	18,383	5	0.5306	405.3765	0.1204	91.9786	0.3829	292.5176	0.8434	644.3286	0.5848	446.7613
228	5	54,883,390	54,937,412	54,022	16	0.5315	406.0956	0.4274	326.5128	0.6962	531.8724	0.4527	345.8777	0.5301	404.9655
141	3	76,770,745	76,819,643	48,898	10	0.5316	406.1281	0.0638	48.7743	0.2416	184.5973	0.3661	279.6878	0.5428	414.6735
34	1	150,529,441	150,543,605	14,164	3	0.5326	406.8867	0.0658	50.3039	0.7077	540.6688	0.5771	440.9074	0.3857	294.6704
387	8	30,463,842	30,483,664	19,822	4	0.5332	407.3932	0.0549	41.9412	0.7231	552.4262	0.5713	436.4870	0.1160	88.6449
328	7	9,155,987	10,622,466	1,466,479	32	0.5336	407.7021	0.1151	87.9025	0.1262	96.4308	0.7456	569.6575	0.3346	255.6041
487	12	15,689,452	15,691,335	1,883	4	0.5351	408.7993	0.0524	40.4039	0.1310	100.0886	0.2287	174.7522	0.2662	203.3601
293	6	93,784,886	93,785,383	497	3	0.5351	408.8271	0.8733	667.1971	0.8035	613.8667	0.4543	347.0918	0.2577	196.8671
598	14	52,484,180	52,492,450	8,270	8	0.5356	409.2049	0.2699	206.1805	0.6200	473.6473	0.5863	447.9014	0.3928	300.1343
650	15	59,688,211	59,688,516	305	3	0.5393	412.0100	0.7515	574.1331	0.9248	706.5307	0.1921	146.7635	0.8310	634.9159
637	15	33,880,442	33,900,991	20,549	7	0.5406	413.0541	0.4758	363.5243	0.4837	369.5211	0.7435	568.0415	0.4654	355.5663
45	1	173,168,430	173,168,911	481	10	0.5408	413.1655	0.0023	1.7722	0.3602	275.1620	0.5153	393.6943	0.7972	609.0231
239	5	63,315,493	63,315,979	486	3	0.5422	414.2698	0.3471	265.2180	0.0856	65.4138	0.6394	488.5036	0.5988	457.4553
83	2	89,760,829	89,783,357	22,528	18	0.5436	415.3289	0.0018	1.3512	0.1290	98.5911	0.9506	726.2231	0.9203	703.0969
10	1	55,456,409	55,456,847	438	4	0.5445	416.0103	0.7917	604.8297	0.7130	544.7613	0.9420	719.6748	0.2560	195.5851
344	7	54,636,276	54,680,897	44,621	11	0.5471	418.0216	0.9080	693.6966	0.9663	738.2186	0.0265	20.2597	0.3145	240.2920
631	15	21,563,129	21,834,345	271,706	50	0.5473	418.1368	0.5038	384.8739	0.5250	401.0877	0.9385	717.0130	0.4512	344.7410
690	17	36,167,127	36,248,347	81,220	71	0.5474	418.1945	0.7073	540.3804	0.1703	130.0818	0.8979	686.0228	0.0402	30.7248
309	6	130,065,363	130,316,515	251,152	113	0.5477	418.4355	0.1351	103.2375	0.2366	180.7997	0.8915	681.0705	0.5057	386.3858
586	14	34,491,963	34,505,348	13,385	5	0.5477	418.4506	0.3937	300.7765	0.9499	725.7157	0.2712	207.2120	0.7960	608.1062
157	3	103,421,855	103,422,775	920	8	0.5496	419.8660	0.2036	155.5179	0.2497	190.7851	0.9246	706.3743	0.6056	462.6746
457	11	21,397,151	21,398,878	1,727	6	0.5512	421.0838	0.6061	463.0237	0.3189	243.6306	0.3576	273.1775	0.5594	427.3589
547	13	22,180,406	22,247,428	67,022	20	0.5517	421.5035	0.2903	221.7805	0.8608	657.6273	0.6229	475.8989	0.2717	207.5447
298	6	103,383,705	103,460,909	77,204	19	0.5522	421.8463	0.6107	466.5782	0.4119	314.6898	0.7585	579.4881	0.8133	621.3910
51	1	177,998,116	178,000,769	2,653	5	0.5523	421.9850	0.3521	269.0090	0.6141	469.2004	0.5105	390.0002	0.3664	279.9165
622	14	111,421,090	111,489,633	68,543	8	0.5539	423.1920	0.9479	724.1899	0.7227	552.1080	0.4884	373.1682	0.5681	434.0266
349	7	55,454,535	55,702,761	248,226	4										

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
341	7	39,096,069	46,665,068	7,568,999	70	0.5924	452.6187	0.5860	447.7275	0.2650	202.4337	0.4003	305.8617	0.9708	741.6758
205	4	145,452,418	146,034,593	582,175	33	0.5931	453.1534	0.6747	515.4509	0.4747	362.7084	0.3376	257.9120	0.9541	728.9289
734	18	85,052,526	85,055,530	3,004	4	0.5940	453.8253	0.9861	753.4018	0.9213	703.8859	0.2582	197.2564	0.7135	545.1160
105	2	147,347,705	147,361,349	13,644	7	0.5948	454.4647	0.3962	302.7349	0.1971	150.6010	0.6014	459.4770	0.3432	262.2043
50	1	177,725,275	177,729,816	4,541	7	0.5978	456.7411	0.6676	510.0540	0.5557	424.5368	0.7223	551.8624	0.1763	134.6819
69	2	62,524,035	62,524,468	433	6	0.5987	457.4247	0.7340	560.8134	0.1695	129.5244	0.7199	549.9995	0.2903	221.8194
763	X	154,298,124	154,298,522	398	5	0.6023	460.1301	0.9007	688.1159	0.8949	683.6882	0.2394	182.8824	0.1163	88.8511
737	19	9,210,938	9,398,238	187,300	34	0.6051	462.2750	0.8595	656.6297	0.9711	741.9245	0.1547	118.1719	0.2139	163.4519
708	17	76,673,848	76,684,159	10,311	8	0.6052	462.3553	0.8261	631.1693	0.5423	414.2886	0.7938	606.4998	0.6425	490.8338
218	5	7,989,617	8,014,367	24,750	6	0.6057	462.7900	0.3378	258.1166	0.2211	168.9432	0.3528	269.5195	0.8766	669.7042
753	19	38,127,355	38,132,440	5,085	12	0.6063	463.1950	0.5690	434.7515	0.6485	495.4891	0.6528	498.7547	0.8939	682.9497
504	12	69,722,650	69,722,675	25	2	0.6072	463.8639	0.2192	167.4578	0.5296	404.6413	0.9828	750.8568	0.1915	146.2957
505	12	75,478,580	75,484,124	5,544	6	0.6081	464.5640	0.2151	164.3611	0.8046	614.7295	0.4883	373.0286	0.2913	222.5405
35	1	150,754,214	150,777,417	23,203	9	0.6119	467.4796	0.0524	40.0713	0.5200	397.2638	0.5596	427.5499	0.3988	304.7073
322	6	143,508,240	143,525,815	17,575	8	0.6119	467.4995	0.3800	290.3021	0.2737	209.0799	0.9280	709.0290	0.3396	259.4307
422	9	114,814,094	114,815,852	1,758	8	0.6119	467.5020	0.3642	278.2655	0.3686	281.6194	0.8364	638.9802	0.9245	706.2828
509	12	85,202,936	85,230,001	27,065	4	0.6120	467.5917	0.7707	588.8313	0.2488	190.1081	0.1607	122.7550	0.7259	554.5510
532	12	117,059,447	117,200,447	140,600	41	0.6155	470.2593	0.4178	319.2028	0.9363	715.3131	0.3943	301.2292	0.9376	716.3609
315	6	139,788,838	139,789,925	1,087	7	0.6158	470.4890	0.0366	27.9497	0.8947	683.5251	0.7589	579.7781	0.8342	637.3288
269	6	33,119,386	33,120,432	1,046	3	0.6165	470.9838	0.6295	480.9035	0.8801	672.4060	0.7541	576.1023	0.3500	267.3716
521	12	112,776,324	112,778,081	1,757	12	0.6166	471.1087	0.2346	179.2654	0.0112	8.5264	0.5004	382.3090	0.6686	510.8162
92	2	99,858,667	99,872,693	14,026	6	0.6181	472.2481	0.3684	281.4244	0.5382	411.1870	0.6704	512.1917	0.4107	313.7852
668	16	82,784,724	82,800,887	16,163	7	0.6194	473.2207	0.2964	226.4267	0.0605	46.2414	0.5729	437.6797	0.2300	175.7190
743	19	18,618,198	18,644,452	26,254	8	0.6213	474.6610	0.2647	202.2325	0.3326	254.0926	0.1605	122.6253	0.1565	119.5744
195	4	99,656,586	99,659,910	3,324	8	0.6216	474.9343	0.0336	25.6880	0.1132	86.4637	0.5137	392.4379	0.3285	250.9855
585	14	31,420,361	31,420,623	262	6	0.6222	475.3726	0.5279	403.3305	0.3810	291.1110	0.1521	116.1710	0.1967	150.2905
365	7	111,647,983	111,683,670	35,687	15	0.6251	477.5763	0.3576	273.2267	0.0043	3.2632	0.7893	603.0367	0.8161	623.5062
614	14	90,380,187	90,380,247	60	2	0.6253	477.7122	0.0160	12.1935	0.0118	9.0459	0.3237	247.3256	0.1987	151.7918
229	5	55,418,075	55,483,118	65,043	10	0.6267	478.7613	0.1263	96.5051	0.9774	746.7697	0.3416	260.9771	0.9290	709.7800
95	2	104,754,730	104,755,713	983	6	0.6276	479.4698	0.8848	675.9975	0.6920	528.6632	0.2971	227.0065	0.1020	77.9477
446	10	103,379,190	103,397,024	17,834	12	0.6282	479.9524	0.0210	16.0347	0.7067	539.9125	0.7573	538.5982	0.7370	563.0742
31	1	141,633,508	141,686,866	53,358	21	0.6287	480.2935	0.9034	690.2244	0.7458	569.8060	0.6814	520.5623	0.4356	332.8127
212	5	5,538,674	5,547,973	9,299	10	0.6305	481.6935	0.3436	262.4935	0.6080	464.4925	0.2918	222.9177	0.9969	761.6509
682	17	32,776,807	32,785,160	8,353	9	0.6318	482.6799	0.1026	78.4067	0.3496	267.1165	0.9175	700.9722	0.2375	181.4867
545	13	18,383,273	18,417,107	33,834	17	0.6321	482.9132	0.5636	430.5778	0.6441	492.0651	0.7519	574.4838	0.0961	73.3998
28	1	130,723,207	130,733,460	10,253	10	0.6350	485.1379	0.1594	121.7765	0.8050	615.0479	0.0222	16.9262	0.6651	508.1089
250	5	91,008,627	91,008,703	76	3	0.6354	485.4262	0.3331	254.4538	0.0437	33.3754	0.5612	428.7467	0.5079	388.0000
84	2	89,902,828	89,923,597	20,769	7	0.6371	486.7436	0.0001	0.0518	0.0382	29.1635	0.1735	132.5726	0.3168	242.0692
352	7	79,385,029	79,385,270	241	3	0.6379	487.3421	0.5435	415.2598	0.8231	628.8558	0.4925	376.2840	0.4208	321.4851
531	12	116,745,882	117,040,993	295,111	41	0.6397	488.7265	0.8371	639.5605	0.1923	146.9131	0.1333	101.8059	0.6654	508.3622
499	12	60,477,871	60,593,624	115,753	26	0.6399	488.8500	0.7174	548.1185	0.7186	549.0126	0.1762	134.6342	0.1521	116.2119
669	16	83,059,531	83,101,057	41,526	8	0.6407	489.4872	0.3203	244.7358	0.0511	39.0385	0.4936	377.0788	0.4202	321.0664
61	2	23,575,240	23,694,548	119,308	14	0.6407	489.5304	0.0901	68.8478	0.6516	497.8079	0.9397	717.9220	0.6732	514.3297
140	3	75,822,052	75,927,523	105,471	32	0.6419	490.4204	0.3161	241.5062	0.1875	143.2119	0.3709	283.3576	0.2421	184.9868
477	11	73,070,371	73,074,216	3,845	3	0.6423	490.6836	0.2857	218.2836	0.4680	357.5661	0.9133	697.7989	0.8266	631.5471
63	2	24,535,423	24,654,597	119,174	107	0.6426	490.9389	0.6503	496.8286	0.2657	202.9817	0.1832	139.9432	0.5738	438.4099
261	5	139,004,112	139,005,838	1,726	8	0.6430	491.2702	0.2627	200.7352	0.2730	208.6045	0.2635	201.2952	0.0843	64.3873
303	6	110,118,673	110,222,644	103,971	35	0.6431	491.3091	0.1202	91.8334	0.1962	149.8804	0.2276	173.8585	0.1116	85.2322
178	4	3,458,919	3,479,026	20,107	8	0.6435	491.6232	0.0012	0.9280	0.2752	210.2789	0.0850	64.9395	0.1918	146.5194
722	18	44,814,127	44,831,000	16,873	8	0.6437	491.7822	0.3514	268.4979	0.3494	266.9129	0.0450	34.3798	0.4525	345.7006
53	1	186,078,558	186,110,754	32,196	11	0.6468	494.1272	0.7550	576.8331	0.6013	459.3956	0.1905	145.5796	0.3653	279.0788
330	7	12,198,129	12,258,765	60,636	14	0.6503	496.8040	0.1723	131.6375	0.3357	256.4378	0.2441	186.4936	0.4165	318.1944
458	11	22,235,060	22,255,061	18,901	8	0.6510	497.4004	0.6854	523.6838	0.6109	466.7326	0.6578	502.5855	0.0257	19.6262
557	13	70,109,094	70,129,981	20,887	9	0.6523	498.3236	0.4524	345.6342	0.3004	229.5253	0.8081	617.4023	0.2226	170.0624
129	3	27,091,227	27,091,625	398	2	0.6524	498.4415	0.7693	587.7537	0.9871	754.1337	0.8552	653.3453	0.6803	519.7547
550	13	25,542,964	25,545,689	2,725	3	0.6527	498.6279	0.5836	445.8837	0.0381	29.0934	0.5784	441.9214	0.8840	675.3886
656	15	91,559,592	91,567,072	7,480	11	0.6530	498.8683	0.2097	160.2452	0.4457	340.4902	0.9533	728.2894	0.8012	612.1459
194	4	98,039,179	98,039,527	348	2	0.6557	500.9361	0.4162	317.9694	0.9257	707.2118	0.3092	236.2550	0.7731	590.6754
635	15	26,971,755	26,975,305	3,550	3	0.6560	501.1641	0.7957	607.9384	0.3910	298.6909	0.8765	669.6730	0.3748	286.3178
291	6	79,445,527	79,447,101	1,574	5	0.6570	501.9184	0.0357	27.2368	0.5553	424.2406	0.0523	39.9769	0.3607	275.5643
343	7	50,914,593	50,919,381	4,788	12	0.6594	503.7816	0.4023	307.3494	0.7158	546.8629	0.2410	184.0976	0.1087	83.0658
327	7	6,274,816	6,275,328	512	4	0.6594	503.8183	0.0024	1.8193	0.5552	424.2106	0.0045	3.4381	0.0507	38.7152
204	4	144,334,174	144,334,795	621	4	0.6597	503.9982	0.9290	709.7443	0.5858	447.5616	0.8070	616.5214	0.1144	87.4294
144	3	77,485,805	77,554,692	68,887	15	0.6613	505.2368	0.1151	87.9070	0.4853	370.7638	0.2319	177.1792	0.8978	685.9453
577	13	118,198,423	118,226,410	27,987	14	0.6621	505.8158	0.1310	100.1216	0.6394	488.5158				

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
55	2	8,079,421	8,097,887	18,466	3	0.6986	533.7046	0.6822	521.1754	0.3268	249.6799	0.9356	714.7744	0.7501	573.0424
74	2	74,336,997	74,349,334	12,337	4	0.6994	534.3698	0.0835	63.8316	0.8845	675.7641	0.3838	293.1866	0.7884	602.3266
230	5	56,051,344	56,105,526	54,182	22	0.6996	534.5012	0.2752	210.2523	0.4662	356.1635	0.2333	178.2333	0.9985	762.8525
693	17	43,655,463	43,661,943	6,480	9	0.6998	534.6226	0.4475	341.8926	0.3574	273.0341	0.8980	686.0947	0.3977	303.8559
124	3	16,902,891	16,932,841	29,950	7	0.7003	535.0510	0.8572	654.8715	0.4484	342.5503	0.5562	424.9365	0.3074	234.8215
440	10	65,208,081	65,240,478	32,397	5	0.7008	535.3894	0.2904	221.8492	0.3617	276.3281	0.7260	554.6726	0.7648	584.2768
629	15	20,002,200	20,069,823	67,623	20	0.7014	535.8489	0.3405	260.1623	0.3298	251.9786	0.0817	62.3964	0.5315	406.0364
595	14	41,640,656	41,648,076	7,420	5	0.7030	537.0839	0.1043	79.7020	0.4169	318.4990	0.7064	539.6829	0.6570	501.9643
597	14	44,396,801	45,349,904	953,103	75	0.7034	537.3718	0.7859	600.4026	0.3578	273.3658	0.6725	513.7949	0.8834	674.9204
748	19	33,386,117	33,438,568	52,451	10	0.7056	539.0622	0.7439	568.3708	0.7123	544.1797	0.2319	177.1339	0.8445	645.1991
437	10	61,300,867	61,301,038	171	3	0.7057	539.1841	0.4801	366.7919	0.7300	557.7064	0.3965	302.9598	0.0403	30.7721
278	6	68,860,428	68,900,983	40,555	15	0.7060	539.3635	0.0226	17.2861	0.2293	175.1940	0.4353	332.5956	0.2461	188.0033
728	18	72,536,401	72,559,030	22,629	10	0.7066	539.8193	0.7175	548.1943	0.4071	311.0117	0.6035	461.0771	0.7750	592.1195
289	6	75,438,396	75,448,628	10,232	6	0.7070	540.1464	0.1362	104.0605	0.6859	524.0654	0.2222	169.7266	0.6417	490.2257
192	4	89,041,272	89,044,023	2,751	11	0.7094	541.9668	0.8276	632.2915	0.2040	155.8661	0.8210	627.2462	0.1477	112.8561
241	5	72,864,953	72,887,910	22,957	4	0.7142	545.6265	0.0679	51.9136	0.7511	573.8128	0.1628	124.3609	0.3900	297.9288
171	3	137,487,798	137,529,819	42,021	14	0.7194	549.6407	0.8177	624.7465	0.0089	6.8031	0.9345	713.9796	0.1206	92.1749
89	2	95,601,049	95,660,090	59,041	14	0.7197	549.8326	0.7347	561.2937	0.0885	67.5794	0.5310	405.7149	0.8226	628.4310
358	7	110,073,824	110,096,332	22,508	20	0.7203	550.2861	0.2605	199.0501	0.0076	5.7739	0.6779	517.8793	0.5000	381.9886
710	17	82,353,226	82,354,184	958	3	0.7212	551.0299	0.4744	362.4335	0.3105	237.1991	0.0439	33.5535	0.6496	496.2924
469	11	46,482,581	46,488,864	6,283	4	0.7284	556.4846	0.6701	511.9694	0.6722	513.5556	0.7272	555.5457	0.7523	574.7777
411	9	37,086,445	37,086,843	398	5	0.7289	556.8544	0.0016	1.2494	0.1882	143.8049	0.5302	405.0727	0.7746	591.7719
27	1	129,051,041	129,076,535	25,494	4	0.7305	558.0858	0.2860	218.5122	0.7942	606.8008	0.5166	394.7006	0.4976	380.1379
719	18	32,594,220	32,604,842	10,622	20	0.7326	559.7418	0.2885	220.4386	0.3407	260.2603	0.0339	25.9218	0.1241	94.8101
283	6	70,471,117	70,538,758	67,641	9	0.7384	564.1069	0.1017	77.7120	0.3257	248.8433	0.5629	430.0686	0.1854	141.6656
409	9	24,281,885	24,282,276	391	5	0.7388	564.4148	0.0162	12.3975	0.7800	595.9443	0.0621	47.4686	0.0286	21.8722
548	13	23,653,701	23,668,319	14,618	21	0.7388	564.4504	0.6188	472.7801	0.0491	37.5284	0.0843	64.4401	0.0982	75.0322
87	2	95,223,572	95,293,225	69,653	17	0.7391	564.6458	0.7504	573.3088	0.2067	157.9168	0.5698	435.2891	0.2711	207.1551
552	13	47,103,645	47,106,624	2,979	8	0.7397	565.1085	0.2293	175.1634	0.8225	628.3872	0.6734	514.4878	0.6258	478.1216
99	2	125,053,391	125,067,750	14,359	7	0.7410	566.1546	0.3916	299.2020	0.3095	236.4524	0.2690	205.5288	0.1341	102.4679
173	3	141,381,217	141,384,341	3,124	8	0.7414	566.4221	0.3333	254.6551	0.6029	460.6232	0.2680	204.7497	0.5174	395.2921
529	12	116,193,887	116,195,061	1,174	6	0.7430	567.6857	0.3577	273.2934	0.8988	686.6801	0.2045	156.2036	0.8410	642.4899
324	6	145,108,944	145,120,036	11,092	15	0.7441	568.5061	0.4023	307.3905	0.3921	299.5829	0.8927	682.0385	0.2995	228.7885
68	2	55,558,622	55,579,024	20,402	6	0.7478	571.3215	0.8674	662.7096	0.8270	631.8371	0.2762	211.0433	0.6180	472.1793
423	9	118,476,311	118,491,621	15,310	19	0.7479	571.3822	0.1838	140.3851	0.2949	225.3137	0.0901	68.8023	0.3508	268.0279
271	6	41,994,493	42,018,238	23,745	6	0.7482	571.6546	0.5298	404.7792	0.7830	598.2242	0.0903	69.0122	0.4974	380.0517
652	15	59,995,445	60,044,261	48,816	12	0.7489	572.1714	0.6730	514.1606	0.7464	570.2331	0.0945	72.2127	0.5002	382.1764
127	3	19,908,299	19,908,553	254	3	0.7490	572.2049	0.4682	357.7271	0.5918	452.1129	0.8738	667.6204	0.9904	756.6310
683	17	33,066,096	33,073,239	7,143	22	0.7497	572.7472	0.3064	234.1027	0.6695	511.5207	0.2670	203.9991	0.3542	270.5876
500	12	63,970,065	63,970,552	487	4	0.7497	572.7678	0.5410	413.2946	0.2594	198.2008	0.8481	647.9656	0.0038	2.8800
150	3	81,739,495	81,746,183	6,688	6	0.7501	573.0777	0.3775	288.3746	0.0429	32.7509	0.6095	465.6774	0.2790	213.1368
189	4	77,028,168	77,043,306	15,138	5	0.7520	574.5296	0.5110	390.3916	0.2726	208.2813	0.6069	463.6653	0.1953	149.2136
224	5	24,735,376	24,752,262	16,886	8	0.7534	575.5914	0.7382	563.9983	0.8221	628.0716	0.1894	144.6868	0.2182	166.7383
602	14	72,880,516	72,895,559	15,043	6	0.7543	576.2725	0.5473	418.1315	0.0563	42.9850	0.5382	411.1755	0.6364	486.1882
88	2	95,432,355	95,501,943	69,588	14	0.7551	576.8917	0.5685	434.3443	0.1228	93.8400	0.7850	599.7682	0.5681	434.0063
320	6	142,768,112	142,806,140	38,028	29	0.7551	576.9030	0.4190	320.0876	0.3109	237.5023	0.8960	684.5337	0.0980	74.9070
39	1	152,327,228	152,327,348	120	2	0.7554	577.0977	0.0661	50.5264	0.6369	486.6104	0.3880	296.4317	0.3164	241.7241
617	14	97,780,779	97,832,155	51,376	11	0.7564	577.9229	0.5955	454.9782	0.0076	5.7833	0.2232	170.5267	0.7297	557.5143
380	7	130,213,756	130,215,357	1,601	3	0.7570	578.3570	0.7975	748.3623	0.0479	36.5819	0.3881	296.5227	0.2852	172.8661
661	16	36,257,364	36,253,363	76,999	28	0.7587	579.6234	0.1346	102.8611	0.3389	258.9402	0.7647	584.2404	0.8949	683.7204
258	5	114,023,755	114,025,841	2,086	5	0.7612	581.5515	0.6791	518.8365	0.2985	228.0592	0.8775	670.3789	0.9993	763.4907
681	17	31,987,684	31,988,529	845	12	0.7629	582.8280	0.0294	22.4335	0.0308	23.5678	0.8986	686.5275	0.1847	141.1320
421	9	114,756,414	114,766,671	10,257	11	0.7642	583.8251	0.1036	79.1283	0.0561	42.8517	0.9784	747.4773	0.8800	748.7545
274	6	67,506,071	67,662,275	156,204	15	0.7662	585.3811	0.5757	439.8209	0.9416	719.3475	0.6982	533.3950	0.7884	602.3213
191	4	81,900,655	81,923,439	22,784	7	0.7672	586.1028	0.1631	124.5829	0.0340	25.9485	0.2328	177.8754	0.7085	541.2999
628	15	19,835,128	19,869,085	33,957	5	0.7675	586.3768	0.0787	60.0965	0.6922	528.8661	0.4465	341.1118	0.4689	358.2213
524	12	115,186,599	115,379,105	192,506	64	0.7687	587.2966	0.6999	534.7498	0.7275	555.8314	0.2461	188.0462	0.9074	693.2256
146	3	79,517,672	79,541,183	23,511	15	0.7687	587.3067	0.0006	0.4448	0.5134	392.2073	0.0592	45.2470	0.1799	137.4105
251	5	93,157,395	93,174,537	17,142	3	0.7689	587.4268	0.7433	567.9007	0.3868	295.5011	0.3363	256.9497	0.0251	19.1968
340	7	38,961,668	38,997,301	35,633	20	0.7696	587.9535	0.0315	24.0526	0.0193	14.7392	0.8682	663.3219	0.0281	21.4619
142	3	76,953,923	76,971,769	17,846	6	0.7718	589.6760	0.2374	181.3386	0.2857	218.2996	0.3204	244.8097	0.5568	425.4330
533	12	117,219,726	117,240,329	20,603	9	0.7736	591.0425	0.7256	554.3287	0.1773	135.4564	0.1981	151.3384	0.8449	645.5075
80	2	86,532,638	86,532,761	123	2	0.7788	594.9806	0.3416	261.0167	0.4868	371.9429	0.2242	171.3263	0.3370	257.4711
709	17	80,443,846	80,449,220	5,374	17	0.7794	595.4352	0.4898	374.2451	0.4714	360.1614	0.5406	413.0065	0.7021	536.3675
244	5	77,654,536	77,670,776	16,240	4</										

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
288	6	75,345,457	75,345,955	498	7	0.8053	615.2151	0.1599	122.1877	0.0601	45.9494	0.5120	391.1508	0.7295	557.3098
185	4	30,266,433	30,312,363	45,930	5	0.8055	615.3908	0.5385	411.3773	0.4539	346.8140	0.2294	175.2809	0.4401	336.2612
670	16	90,821,219	90,821,219	1	1	0.8058	615.6228	0.9541	728.9160	0.9639	736.4327	0.2362	180.4469	0.6209	474.3473
429	10	20,924,226	20,938,033	13,807	10	0.8068	616.4140	0.0025	1.9117	0.7753	592.3475	0.3110	237.5779	0.0488	37.3147
634	15	25,938,508	25,938,536	28	2	0.8075	616.9229	0.9216	704.1051	0.4710	359.8685	0.8976	685.7883	0.4898	374.1928
7	1	39,032,035	39,038,959	6,924	11	0.8075	616.9449	0.9060	692.2220	0.6132	468.4624	0.5167	394.7821	0.1918	146.5586
615	14	91,461,859	91,492,733	30,874	4	0.8105	619.2297	0.2575	196.7296	0.0295	22.5021	0.9612	734.3747	0.5542	423.4419
593	14	40,716,609	40,737,506	20,897	5	0.8115	619.9865	0.0304	23.2473	0.9766	746.1482	0.7499	572.9215	0.6856	523.7717
662	16	39,667,623	39,667,660	37	2	0.8133	621.3943	0.1512	115.5462	0.4292	327.8985	0.0662	50.6027	0.3458	264.1716
730	18	74,314,441	74,314,504	63	3	0.8139	621.8501	0.2507	191.5264	0.9390	717.4229	0.8561	654.0742	0.8297	633.9254
384	8	28,608,199	28,691,596	83,397	34	0.8149	622.5916	0.8950	683.7750	0.2699	206.1825	0.3074	234.8605	0.1048	80.0656
235	5	58,053,095	58,082,352	29,257	10	0.8162	623.5977	0.0797	60.8787	0.6018	459.7657	0.1131	86.4254	0.8392	641.1174
58	2	14,998,525	15,246,657	248,132	47	0.8164	623.7487	0.1367	104.4690	0.0749	57.2529	0.7016	536.0144	0.7061	539.4731
371	7	115,400,336	115,401,546	1,210	6	0.8173	624.3979	0.0760	58.0562	0.0054	4.1069	0.4711	359.9545	0.1344	102.7144
6	1	36,837,694	36,838,290	596	10	0.8179	624.8625	0.1272	97.2181	0.8670	662.4173	0.7505	573.4133	0.0352	26.9207
181	4	12,377,058	12,377,306	248	3	0.8183	625.1948	0.9902	756.5222	0.6030	460.6782	0.5062	386.7469	0.9944	759.7140
741	19	14,845,431	14,846,370	939	5	0.8185	625.3102	0.2194	167.6520	0.3283	250.8414	0.0394	30.1313	0.6900	527.1759
525	12	115,674,340	115,700,639	26,299	6	0.8186	625.4036	0.7009	535.5012	0.4081	311.7692	0.1521	116.2123	0.6765	516.8263
236	5	58,311,716	58,332,254	20,538	11	0.8198	626.3169	0.3776	288.5097	0.3356	256.3948	0.1650	126.0882	0.7745	591.7329
100	2	128,720,236	128,721,154	918	8	0.8205	626.8555	0.2118	161.8031	0.5330	407.1985	0.0853	65.1441	0.3032	231.6586
304	6	116,198,049	116,199,740	1,691	2	0.8224	628.3160	0.8221	628.0783	0.8129	621.0581	0.8039	614.1921	0.4797	366.4629
286	6	74,899,205	74,898,745	99,540	16	0.8229	628.7227	0.4150	317.0278	0.3157	241.1639	0.4379	334.5879	0.8557	653.7418
321	6	143,197,769	143,206,183	8,414	12	0.8261	631.1287	0.4076	311.4202	0.8814	673.4063	0.4010	306.3524	0.3545	270.8100
36	1	150,869,357	151,048,926	179,569	45	0.8325	636.0272	0.1361	103.9926	0.8770	670.0503	0.7252	554.0206	0.5453	416.6221
20	1	97,405,881	97,405,894	13	2	0.8327	636.2019	0.8146	622.3217	0.9490	725.0645	0.0227	17.3440	0.2524	192.8328
729	18	72,714,633	72,727,773	13,140	6	0.8340	637.1681	0.7911	604.4011	0.9776	746.8667	0.3123	238.5651	0.8358	638.5329
415	9	48,364,375	48,368,373	3,998	5	0.8375	639.8181	0.4523	345.5946	0.7703	588.4766	0.1339	102.3150	0.0953	72.8117
156	3	102,697,496	102,739,985	42,489	54	0.8404	642.0436	0.8283	632.8596	0.7171	547.8556	0.5001	382.0992	0.7788	594.9737
62	2	24,048,126	24,054,617	6,491	5	0.8417	643.0881	0.0023	1.7940	0.6429	491.1547	0.2545	194.4738	0.3770	288.0121
699	17	50,703,622	50,708,249	4,627	6	0.8426	643.7612	0.2249	171.8127	0.4028	307.7676	0.5247	400.8851	0.9229	705.0886
337	7	32,532,002	32,694,597	162,595	16	0.8432	644.1700	0.8434	293.6623	0.3632	277.4815	0.9594	732.9968	0.2358	180.1133
441	10	70,494,361	70,494,548	187	4	0.8477	647.6719	0.9824	750.5593	0.4965	379.3359	0.0668	51.0173	0.1337	102.1639
592	14	40,544,167	40,564,409	20,242	9	0.8484	648.2089	0.8159	623.3366	0.6918	528.5370	0.6990	534.0178	0.0433	33.0992
511	12	93,121,761	93,132,845	11,084	12	0.8515	650.5690	0.3821	291.9112	0.9144	698.5855	0.0666	50.8784	0.0312	23.8709
238	5	61,916,323	61,982,272	65,949	12	0.8550	653.2262	0.4395	335.7842	0.0697	53.2729	0.8507	649.9232	0.9583	732.1120
290	6	75,938,517	76,017,583	79,066	26	0.8551	653.2922	0.0425	32.4744	0.3405	260.1419	0.0852	65.0675	0.9996	763.7206
308	6	128,729,176	128,769,001	39,825	28	0.8569	654.6802	0.0578	44.1682	0.2800	213.9351	0.9591	732.7745	0.5582	426.4330
468	11	45,592,572	45,593,461	889	3	0.8582	655.6720	0.3129	239.0840	0.3249	248.2574	0.6643	507.5447	0.7582	579.2557
350	7	60,618,457	60,731,880	113,423	23	0.8632	659.5151	0.4495	343.3928	0.3799	290.2735	0.8497	649.1697	0.6704	512.2128
32	1	142,515,175	142,625,802	110,627	19	0.8648	660.6929	0.7285	556.5949	0.2687	205.2744	0.6653	508.3103	0.5475	418.3092
703	17	69,208,113	69,208,347	234	3	0.8669	662.3395	0.4840	369.7611	0.7398	565.2346	0.1493	114.0682	0.2761	210.9600
526	12	115,795,799	115,842,787	46,988	18	0.8674	662.6720	0.5141	392.8057	0.8350	637.9130	0.1794	137.0915	0.9026	689.5813
107	2	148,755,144	148,927,143	171,999	37	0.8679	663.0938	0.4901	374.4445	0.0069	5.2583	0.8685	663.5400	0.3462	264.4815
717	18	12,384,760	12,387,394	2,634	7	0.8681	663.2449	0.7855	600.1322	0.3541	270.5307	0.1840	140.5795	0.6129	468.2522
310	6	130,707,413	130,787,067	79,654	17	0.8747	668.3039	0.2925	223.4462	0.4779	365.1190	0.9930	758.6443	0.7523	574.7884
658	15	97,858,331	97,859,240	909	5	0.8773	670.2608	0.8159	623.3580	0.1542	117.8172	0.6792	518.9192	0.0994	75.9174
724	18	59,506,767	59,507,938	1,171	3	0.8835	675.0158	0.3316	253.3578	0.1472	112.4632	0.8589	656.1735	0.9942	759.5993
136	3	73,914,056	74,346,968	432,912	73	0.8837	675.1640	0.2966	226.6176	0.2739	209.2830	0.6603	504.4593	0.5879	449.1933
467	11	41,644,605	41,644,707	102	2	0.8844	675.6955	0.0209	15.9917	0.6749	515.6552	0.3268	249.7061	0.1408	107.5848
623	14	112,786,859	112,786,924	65	2	0.8866	677.3980	0.6530	498.8712	0.1351	103.2479	0.2078	158.7334	0.4316	329.7347
587	14	34,935,044	34,947,005	11,961	4	0.8909	680.6747	0.8201	626.5792	0.5328	407.0390	0.1500	114.5770	0.8112	619.7568
711	17	85,125,658	85,126,027	369	8	0.8935	682.6635	0.0228	17.3994	0.1650	126.0441	0.9051	691.4943	0.6791	518.8387
558	13	70,444,536	70,451,412	6,876	16	0.8976	685.7491	0.6305	481.6806	0.7021	536.4355	0.9923	758.1110	0.6699	511.8159
148	3	80,082,499	80,104,957	22,458	7	0.8987	686.6021	0.7614	581.6907	0.2956	225.8671	0.5516	421.4173	0.9397	717.9116
506	12	75,965,852	75,973,713	7,861	4	0.8999	687.5145	0.2369	181.0109	0.4854	370.8574	0.3174	242.4646	0.6017	459.6690
651	15	59,826,344	59,837,575	11,231	5	0.9002	687.7910	0.5520	421.7544	0.7033	537.2948	0.1329	101.5252	0.4309	329.2284
161	3	112,470,201	112,489,449	19,248	15	0.9017	688.9291	0.6595	503.8602	0.1065	81.3886	0.2495	190.6093	0.0639	48.8354
538	13	13,972,917	13,987,506	14,589	8	0.9021	689.1849	0.5695	453.0805	0.6012	459.3300	0.0161	12.2750	0.5242	400.4845
495	12	49,411,350	49,474,614	63,264	14	0.9050	691.3945	0.1493	114.0365	0.5152	393.6358	0.9119	696.6849	0.4456	340.4712
742	19	15,223,352	15,236,075	12,723	12	0.9050	691.3981	0.7163	547.2181	0.5972	456.2633	0.5595	427.4228	0.5158	394.0880
335	7	27,627,143	27,736,250	109,107	13	0.9051	691.5311	0.6528	498.7523	0.5428	414.7087	0.3018	230.5687	0.7317	558.9907
332	7	12,712,933	12,770,476	57,543	23	0.9064	692.5140	0.5923	452.5229	0.9120	696.7454	0.9326	712.5259	0.9346	714.0130
287	6	75,304,536	75,338,698	34,162	33	0.9081	693.7745	0.0756	57.7544	0.1418	108.3035	0.0143	10.8940	0.7165	547.4404
190	4	77,228,417	77,255,056	26,639	11	0.9083	693.9216	0.9338	713.3998	0.1321	100.9602	0.7878	601.8707	0.3744	286.0096
727	18	71,609,676	71,611,282	1,606	4	0.9107	695.7885	0.6129	468.2756	0.4472	341.6831	0			

RegNo	Chr	Start	End	Size	No. probes in CNV	perc. time open arm		total dist. travelled		time immobile		entries full open arm		laency first entry op. arm	
						nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected	nominal p-value	p-value corrected
654	15	67,155,975	67,185,571	29,596	8	0.9561	730.4499	0.3723	284.4602	0.6684	510.6323	0.8368	639.2828	0.7367	562.8455
413	9	38,480,102	38,488,311	8,209	9	0.9565	730.7989	0.9972	761.8704	0.6521	498.2369	0.7676	586.4397	0.4613	352.4595
390	8	52,224,120	52,273,067	48,947	10	0.9582	732.0840	0.6777	517.7445	0.2815	215.0776	0.8665	662.0381	0.1353	103.3407
334	7	20,658,198	24,083,399	3,425,201	25	0.9590	732.6537	0.9181	701.3910	0.2650	202.4443	0.1625	124.1502	0.9685	739.9527
346	7	54,976,185	55,008,187	32,002	13	0.9635	736.1466	0.8931	682.3384	0.8796	671.9861	0.0816	62.3474	0.3904	298.2526
539	13	15,251,117	15,261,775	10,658	7	0.9640	736.5306	0.6145	469.5054	0.5007	382.5465	0.4359	333.0220	0.9305	710.8688
60	2	19,097,545	19,120,990	23,445	8	0.9647	737.0509	0.0078	5.9514	0.2151	164.3528	0.8740	667.7204	0.0185	14.1679
465	11	35,243,687	35,260,436	16,749	9	0.9652	737.3945	0.1007	76.9266	0.2499	190.9534	0.2422	185.0382	0.1784	136.2728
152	3	90,910,494	91,030,404	119,910	12	0.9659	737.9495	0.7582	579.2614	0.7784	594.6663	0.3693	282.1614	0.9999	763.9211
153	3	91,831,940	91,835,321	3,381	7	0.9687	740.0865	0.8044	614.5363	0.7906	604.0106	0.3184	243.2484	0.9921	757.9631
329	7	10,962,599	10,978,345	15,746	36	0.9693	740.5164	0.1702	130.0109	0.9053	691.6448	0.5018	383.4043	0.4863	371.5250
166	3	121,705,472	121,715,079	9,607	33	0.9716	742.2678	0.2487	190.0178	0.0620	47.3609	0.7735	590.9720	0.9261	707.5147
389	8	50,456,466	50,456,470	4	3	0.9731	743.4617	0.5814	444.1635	0.9771	746.4963	0.1015	77.5218	0.3006	229.6562
451	10	117,614,479	117,746,451	131,972	25	0.9737	743.9014	0.8508	649.9959	0.1484	113.4022	0.8115	620.0089	0.0787	60.1382
647	15	57,135,310	57,181,123	45,813	11	0.9744	744.4592	0.5719	436.9204	0.4511	344.6040	0.5096	389.3250	0.1865	142.5107
537	13	13,804,037	13,805,108	1,071	5	0.9780	747.2031	0.6825	521.4368	0.5961	455.3847	0.0530	40.4573	0.6339	484.3186
49	1	175,956,768	175,956,788	20	3	0.9825	750.6341	0.9510	726.5788	0.9368	715.7471	0.6928	529.2768	0.1928	147.2904
674	17	7,098,601	7,157,189	58,588	18	0.9831	751.0941	0.8949	683.7221	0.6988	533.9052	0.3904	298.2838	0.0512	39.1427
418	9	88,476,937	88,499,227	22,290	15	0.9837	751.5785	0.1251	95.5962	0.4573	349.4054	0.0922	70.4071	0.4547	347.3550
147	3	79,891,997	79,907,423	15,426	4	0.9838	751.5892	0.9580	731.9012	0.2745	209.7507	0.6275	479.4104	0.7248	553.7251
718	18	28,685,988	28,686,474	486	9	0.9869	754.0068	0.8264	631.3470	0.8173	624.4472	0.6438	491.8256	0.2465	188.3391
431	10	24,369,091	24,369,167	76	3	0.9877	754.6086	0.0489	37.3724	0.2023	154.5212	0.2362	180.4596	0.5179	395.6765
16	1	78,229,021	78,245,671	16,650	10	0.9910	757.1542	0.3115	237.9744	0.9192	702.2752	0.5195	396.8839	0.5196	396.9994
273	6	67,402,363	67,416,752	14,389	10	0.9920	757.8813	0.0928	70.9051	0.5336	407.6915	0.3650	278.8813	0.5041	385.1114
11	1	55,818,726	55,848,831	30,105	9	0.9932	758.7688	0.4553	347.8143	0.7447	568.9426	0.6586	503.2020	0.1598	122.0777
216	5	7,031,786	7,048,239	16,453	7	0.9946	759.8505	0.7269	555.3680	0.1563	119.4262	0.2146	163.9819	0.5012	382.9128
432	10	27,471,662	27,497,089	25,427	11	0.9949	760.0843	0.0008	0.5826	0.3961	302.6326	0.1142	87.2535	0.7529	575.2375
453	10	126,303,572	126,304,575	1,003	4	0.9969	761.6447	0.9729	743.3174	0.1530	116.8867	0.2054	156.9149	0.2917	222.8307