

Table S15: Association of CNVs, detected in CD-1 mice, with behavior in the OF. For seven different parameters of the OF (total distance animals travelled, the distance they travelled in inner and outer zone, the time they spent in the inner zone, the entries into inner and outer zone and the time animals were immobile) the nominal p-value and the p-value after Bonferroni correction are shown. The table is sorted by p-values of the time animals spent floating. 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	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
743	19	18,618,198	18,644,452	26,254	8	0.00231916	1.77183821	0.87723348	670.20638	0.01197395	9.14809593	0.01340737	10.2432297	0.01439777	10.9998996	0.00725346	5.54164396	0.9620273	734.988859
636	15	29,502,036	29,545,764	43,728	18	0.00713893	5.45413932	0.54510495	416.460181	0.81595608	623.390445	0.27053282	363.933557	0.81635618	623.696122	0.00490422	3.74682757	0.39351322	300.644098
465	11	35,243,687	35,260,436	16,749	9	0.00735053	5.61580873	0.92482733	706.155524	0.12837503	98.078526	0.40080127	152.862094	0.11250796	85.9560809	0.00924089	7.06003996	0.92615524	707.582604
568	13	104,734,657	104,736,352	1,695	4	0.00851286	6.50382248	0.82447213	629.896708	0.02146558	16.3997032	0.01419537	10.8452589	0.02025365	15.4737872	0.02402977	18.3587434	0.70014836	534.913351
740	19	13,926,464	13,952,598	26,134	18	0.00885074	6.76196711	0.35482961	271.089824	0.00359116	2.74364426	0.00517048	3.95024337	0.00522196	3.98957418	0.03380002	25.823216	0.53167139	406.196945
721	18	44,715,384	44,733,855	18,471	4	0.01157093	8.84018688	0.48330341	369.243804	0.02261941	17.2812258	0.08019274	61.2672548	0.0146139	11.1650159	0.02210106	16.8852105	0.8163611	623.699878
608	14	79,921,672	79,935,942	14,270	5	0.01202626	9.18806181	0.38411371	293.462871	0.37934397	289.818791	0.54187232	41.3.99045	0.3791249	289.651424	0.00808541	6.17724959	0.41692632	318.531711
505	12	75,478,580	75,484,124	5,544	6	0.01418986	10.8410567	0.5263556	402.135677	0.01042174	7.96221291	0.02672299	20.416368	0.00762118	5.82258393	0.03549978	27.1218292	0.53713085	410.367967
127	3	19,908,299	19,908,553	254	3	0.0150564	11.5030882	0.34998237	267.386531	0.86074447	657.608777	0.9140709	698.350166	0.86042021	657.361039	0.00719212	5.49478033	0.35004714	297.436018
188	4	71,762,125	71,768,691	6,566	4	0.01680197	12.8367037	0.98884384	755.476693	0.25783054	196.982533	0.22060956	168.545701	0.23636442	180.582417	0.02043507	15.6123922	0.38433554	263.632353
473	11	60,139,991	60,140,876	885	2	0.01718142	13.1266039	0.54560227	416.840137	0.66590261	508.749596	0.79930025	610.66539	0.59701089	456.116318	0.00921168	7.0377265	0.68124159	520.468573
739	19	12,220,912	12,308,914	88,002	18	0.01808149	13.8142596	0.93606766	715.155691	0.06817913	52.088853	0.0500165	38.2126089	0.08043524	61.4525203	0.03894377	29.753043	0.61187836	467.475069
694	17	43,822,177	43,822,413	236	4	0.01977797	15.1116903	0.03715854	28.3891261	0.31480923	240.514256	0.18162004	138.757714	0.34145259	260.869787	0.00272941	2.08526731	0.2086535	159.411275
710	17	82,353,226	82,354,184	958	3	0.01994494	15.2379306	0.68896086	526.366096	0.15992431	122.182171	0.26131626	199.646525	0.14266738	93.7178801	0.02565025	15.967945	0.31102761	273.625091
272	6	45,499,299	45,520,306	21,007	9	0.02284429	17.4530358	0.93892461	717.338404	0.39761461	303.777562	0.08222742	62.8217489	0.39107911	298.784437	0.0405679	30.9938759	0.06369879	48.6658758
609	14	81,762,359	82,272,046	509,687	95	0.02389137	18.253009	0.54776705	418.494029	0.4871515	372.183742	0.7559884	577.575141	0.43626522	333.306626	0.01499378	11.4552484	0.7345778	561.217442
517	12	100,214,407	100,217,042	2,635	6	0.02521295	19.2626911	0.9310178	711.297601	0.04642712	35.4703201	0.05223246	39.9056013	0.04848773	37.044625	0.05019703	38.3505291	0.00449719	3.43585049
489	12	28,320,295	28,349,039	28,744	15	0.02606889	19.9166299	0.77889869	595.076596	0.08826014	67.4307495	0.05510382	42.9993154	0.08684832	66.3521172	0.05085561	38.853688	0.59333254	453.305876
27	1	129,051,041	129,076,535	25,494	4	0.03052211	23.3188944	0.18505001	141.378208	0.69409233	530.28654	0.58631762	447.946663	0.60128915	459.384908	0.02605715	19.9076595	0.34207377	261.34436
738	19	11,666,254	11,674,336	8,082	7	0.03054744	23.338247	0.43792887	334.577658	0.68610178	524.181757	0.74744323	571.04663	0.66352217	506.930941	0.02030854	15.5157276	0.62567287	478.01407
178	4	3,458,919	3,479,026	20,107	8	0.03069516	23.4511001	0.30188603	230.640929	0.02611312	19.9504237	0.06350628	4.8188003	0.02416235	18.4600389	0.05452311	41.6556586	0.97690521	746.355583
84	2	89,902,828	89,923,597	20,769	7	0.03125693	23.8802975	0.3223257	704.656839	0.37096587	983.417928	0.44487647	339.858621	0.3360119	256.713092	0.03105488	23.7259289	0.61876376	472.735512
492	12	32,849,195	32,849,548	353	2	0.03342072	25.5334326	0.97557803	745.341615	0.24437255	186.700626	0.22893903	174.909417	0.24245192	185.233267	0.04395921	33.5848356	0.43581415	332.962011
610	14	83,692,252	83,699,784	7,532	4	0.03380642	25.828105	0.08057946	61.5627092	0.62638184	478.555723	0.48254411	368.663701	0.60005896	458.445045	0.01031394	7.78985379	0.71259175	544.420096
474	11	62,217,314	62,234,630	17,316	19	0.03402188	25.9927197	0.48870695	373.372109	0.05055669	38.6254688	0.20529538	156.845688	0.04978587	38.036403	0.04316889	32.9810352	0.86611894	661.714869
660	16	32,184,109	32,184,127	18	3	0.03518613	26.8822003	0.07503035	57.3231904	0.92588481	707.375994	0.56750611	433.57467	0.98049588	749.098852	0.01186073	9.06159814	0.28626034	218.702901
431	10	24,369,091	24,369,167	76	3	0.03686435	28.164367	0.68286568	521.709377	0.97211008	742.692103	0.88411101	675.460812	0.86293071	659.279064	0.01880639	14.3680842	0.60852568	464.913617
539	13	15,251,117	15,261,775	10,658	7	0.03705927	28.3132807	0.60746648	464.104387	0.18985034	145.045662	0.23606178	179.587203	0.18011846	137.6105	0.04639203	35.4435132	0.45863136	350.394363
49	1	175,956,768	175,956,788	20	3	0.04051694	30.9549443	0.78181196	597.304339	0.45738796	349.4444	0.16856265	128.829231	0.48917793	373.73194	0.06049597	46.2189224	0.91471234	698.840296
614	14	90,380,187	90,380,247	60	2	0.04228751	32.3076565	0.74738776	571.004251	0.63580196	485.752699	0.88169822	673.617441	0.60632037	463.228761	0.02405803	18.3803358	0.2181377	166.657206
704	17	70,419,780	70,420,015	235	4	0.04393731	33.5679441	0.69258767	529.136981	0.0346312	26.4582369	0.12980331	99.1697271	0.03550489	27.1257385	0.06904284	52.7487298	0.70190087	536.252264
736	19	8,566,372	8,598,321	31,949	6	0.04637467	35.4302485	0.23130633	176.718035	0.5555523	424.441953	0.7445794	568.858661	0.51157141	390.84056	0.03467471	26.4914752	0.32273702	246.571081
306	6	128,202,481	128,204,309	1,828	5	0.04716098	36.0309911	0.84846615	648.228142	0.30542592	233.345401	0.37423921	133.118758	0.3093536	236.346153	0.06479967	49.6569494	0.60025248	458.745698
81	2	88,639,234	88,671,005	31,771	13	0.0481222	36.7653589	0.7475147	571.101234	0.13177414	100.675441	0.10945859	83.6263659	0.12484146	95.3788783	0.07616534	58.1903176	0.76906669	587.566952
48	1	175,929,891	175,942,012	12,121	4	0.04940999	37.7492297	0.77417382	591.468798	0.63238265	483.140348	0.27861212	212.859663	0.68775914	525.447984	0.06070912	46.3817689	0.57005631	435.523017
493	12	33,508,991	33,511,756	2,765	8	0.05288886	40.4070859	0.91259814	697.224979	0.26010242	198.718245	0.30657135	234.220509	0.25926662	198.0797	0.06372888	48.6888662	0.49091555	375.059477
631	15	21,563,129	21,834,835	271,706	50	0.05546945	42.3786604	0.56648934	432.797854	0.94033782	718.418095	0.77255773	590.234107	0.96171361	734.749196	0.0391316	29.8965456	0.59343933	453.387645
54	1	191,042,126	191,079,146	37,020	18	0.0576087	44.0130468	0.70883117	541.547011	0.08295688	63.3790562	0.18853286	144.039107	0.06616192	50.5477047	0.08757353	66.9061774	0.45268113	345.848384
226	5	52,175,933	52,192,752	16,819	9	0.05803455	44.3383979	0.07983218	60.9917871	0.71108909	543.272063	0.59299491	453.048109	0.68872895	526.188917	0.02413863	18.4419135	0.32513016	248.399441
68	2	55,558,622	55,579,024	20,402	6	0.05893219	45.0241958	0.55178003	452.559945	0.83288944	636.327534	0.9149332	590.100895	0.78154796	597.10264	0.05245012	40.0718927	0.48546448	378.894864
123	3	15,340,258	15,819,607	479,349	47	0.05950165	45.4592572	0.28847694	220.396381	0.35284055	269.570178	0.36050456	275.42548	0.37553058	286.905367	0.06392082	48.8355043	0.63279771	636.257447
80	2	86,532,638	86,532,761	123	2	0.06215194	47.4840811	0.60073615	458.962422	0.02360035	18.0306682	0.01302592	9.95180497	0.02167206	16.5574542	0.16173449	123.565148	0.86456183	660.525239
397	8	79,438,032	79,453,386	15,354	17	0.06300287	48.134193	0.16315228	124.648344	0.62326236	476.172441	0.93351745	713.207335	0.58017563	443.254184	0.04007679	30.6186695	0.12793065	97.7390165
515	12	96,623,312	96,623,586	274															

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
516	12	100,077,912	100,080,008	2,096	7	0.08225872	62.8456589	0.66610614	508.905094	0.46512174	355.353011	0.91475289	698.87121	0.43051381	328.912547	0.05304469	40.526143	0.60854656	464.929569
661	16	36,257,364	36,334,363	76,999	28	0.08498659	64.9297585	0.46476503	355.080495	0.82607034	631.117741	0.7048859	576.648822	0.75477595	576.648822	0.06714404	51.2980432	0.66480368	597.91001
642	15	47,894,162	47,942,137	47,975	12	0.08556492	65.3715973	0.52809021	403.460919	0.0492634	37.6372394	0.050441605	38.5178638	0.03637655	27.7916862	0.16603745	126.852614	0.38431569	203.671191
419	9	103,355,461	103,358,235	2,774	4	0.09380742	71.668866	0.677987	517.982068	0.1550128	118.429777	0.13422229	102.545826	0.16501636	126.072497	0.15166475	115.871871	0.64898271	495.822787
9	1	52,348,330	52,357,761	9,431	3	0.09404653	71.8515508	0.38790262	296.357599	0.1550255	118.439485	0.2716182	207.516306	0.15850201	121.095533	0.11665792	89.1266534	0.5720476	437.044363
679	17	27,427,669	27,585,674	158,005	67	0.09748069	74.4752461	0.12675205	96.8385659	0.16615733	126.944204	0.50830257	388.341362	0.15947289	121.837288	0.04400364	93.6187841	0.53262618	406.926402
696	17	47,888,395	47,889,838	1,443	5	0.10002819	76.4215344	0.39086322	298.619497	0.17891605	136.691864	0.19372781	148.008043	0.14965921	114.339633	0.14241196	108.802735	0.13871513	105.978357
112	2	158,150,954	158,151,984	1,030	7	0.10160815	77.6286273	0.02675347	20.4396521	0.60762685	464.226913	0.61659036	471.075031	0.7002343	534.979005	0.04974511	38.0052604	0.0533537	40.7622246
399	8	80,089,624	80,092,244	2,620	6	0.10162895	77.6445177	0.4586135	350.380715	0.00407546	3.1136543	0.01844144	14.0892572	0.00364484	2.7846585	0.23802324	181.849752	0.24985241	190.887244
571	13	110,285,017	110,360,210	75,193	25	0.10317593	78.826408	0.10317593	78.826408	0.43878239	335.229746	0.43878239	678.387973	0.37571964	287.904803	0.065081	49.7218875	0.58610497	447.784195
18	1	95,748,149	95,795,140	46,991	8	0.10402651	79.4762526	0.74870723	572.012322	0.72519758	554.050953	0.67195409	513.372926	0.71296683	544.706657	0.05430497	41.4889937	0.98564584	753.033425
447	10	103,726,788	103,890,930	164,142	35	0.1042775	79.6680073	0.4368934	333.786561	0.02008685	15.3463522	0.07328335	55.9884791	0.02309999	17.6483899	0.18638756	142.400098	0.30361678	231.96322
157	3	103,421,855	103,422,775	920	8	0.10509389	80.291713	0.88769802	678.201289	0.67745482	517.575482	0.47369972	361.906586	0.64677057	494.132717	0.10922609	83.448729	0.27709061	132.322938
240	5	65,457,666	65,458,442	776	4	0.10511921	80.3110752	0.93212524	705.267686	0.09407837	71.8758779	0.067406057	51.498622	0.10399449	79.4517875	0.19100835	145.930377	0.64403321	492.041373
169	3	135,520,542	135,537,289	16,747	22	0.10668615	81.5082204	0.22998752	175.710466	0.93149867	711.664982	0.58103605	443.911544	0.93243463	712.380058	0.05434721	41.5212711	0.32028355	244.696634
222	5	12,178,347	12,178,906	559	4	0.1110314	84.8279889	0.79800654	609.676996	0.35061927	267.873121	0.45408378	346.92001	0.32971803	251.904572	0.12238704	93.503695	0.80390093	614.180308
198	4	108,610,948	108,611,085	137	3	0.1111087	84.887046	0.30431502	232.496674	0.95491351	729.553921	0.68587672	524.009812	0.98829835	755.059939	0.06001679	45.852831	0.21614471	165.134562
510	12	89,139,185	89,415,572	276,387	30	0.1112552	84.9989729	0.41693802	412.169305	0.4003871	305.895746	0.5378252	410.898455	0.3120011	238.368841	0.11121278	84.9703971	0.93090127	705.806572
686	17	34,644,200	34,650,995	6,795	8	0.11220444	85.7241904	0.77705282	593.668358	0.51151166	390.794906	0.29941287	228.751429	0.50823037	388.288005	0.13758436	105.11445	0.66882272	510.980561
570	13	110,143,424	110,148,369	4,945	4	0.1151415	87.9681085	0.10826726	82.716184	0.94115222	719.040296	0.48370094	369.547521	0.8328816	636.321539	0.05275929	40.3080998	0.8919097	681.419014
182	4	19,295,055	19,299,440	4,385	4	0.11668325	89.1460068	0.82730985	632.064723	0.38413764	293.481153	0.85124866	650.35398	0.37271342	284.753052	0.08460009	64.6344661	0.40129497	306.589355
615	14	91,461,859	91,492,733	30,874	4	0.11714335	89.497521	0.86583323	662.06959	0.52088675	397.957477	0.83132735	633.34095	0.50719897	387.50001	0.08315559	63.5311792	0.53034681	401.84962
253	5	105,034,912	105,359,320	324,408	61	0.11739515	89.6898924	0.66190486	505.695315	0.11655376	89.0470695	0.51717628	395.122679	0.08954671	68.4136843	0.12085473	92.3330128	0.34350839	262.440413
366	7	112,352,842	112,433,900	81,058	21	0.11829025	90.373753	0.35702884	272.77003	0.18127214	138.491915	0.21747269	166.149133	0.19151016	146.313764	0.1644698	125.654928	0.39992637	305.54375
439	10	65,108,691	65,113,379	4,688	7	0.11934328	91.1782653	0.32708195	249.890608	0.02799739	21.3900075	0.03551531	27.1336936	0.02702347	20.6459334	0.252671	193.040642	0.91144558	696.344422
470	11	47,002,461	47,007,067	4,606	6	0.12404246	94.7684375	0.56708186	433.250542	0.15212409	116.222802	0.1264127	96.5793029	0.16293892	124.485333	0.19476838	148.80304	0.72357136	552.80852
220	5	10,562,250	10,612,072	49,822	9	0.12705716	97.0716691	0.66221072	505.928994	0.24140437	184.432936	0.18279391	139.654548	0.2477273	189.263654	0.1830304	139.835224	0.31482277	240.524598
108	2	149,137,132	149,146,946	9,814	3	0.13339717	101.915437	0.02739333	20.9285014	0.25307	193.345481	0.2950708	225.434092	0.27540072	210.406154	0.05072947	38.7573177	0.03979093	40.4002673
312	6	138,231,553	138,237,439	5,886	11	0.13468449	102.898948	0.4856463	371.033771	0.87154215	665.858204	0.87164215	634.7049	0.75313051	575.391713	0.08530919	65.1762218	0.59246269	352.641495
5	1	35,232,073	35,235,862	3,789	4	0.13481347	102.997494	0.71712674	547.884827	0.71698731	547.778304	0.99044764	756.701998	0.73350093	560.394708	0.09680889	73.9619921	0.09059586	69.21524
402	8	86,886,841	86,904,371	17,530	11	0.13612437	103.99015	0.59278403	452.886997	0.90603969	692.214325	0.90326619	690.095368	0.87415638	667.855473	0.10016247	76.5241262	0.39556497	302.211634
735	19	7,348,368	7,349,675	1,307	7	0.13852729	105.834853	0.51716969	242.317645	0.58330785	445.647195	0.56471757	431.444224	0.63267442	483.363258	0.13621234	104.067038	0.84685743	646.99908
227	5	54,011,829	54,052,518	40,689	9	0.14246998	108.847065	0.3127395	391.72954	0.53597119	409.481989	0.62740474	479.372718	0.49344205	454.137305	0.13162056	100.58108	0.26184424	200.488997
653	15	66,051,348	66,054,407	3,059	8	0.14271295	109.032692	0.64125844	489.92145	0.20879525	159.519571	0.14188409	108.399442	0.24096326	184.095928	0.21614889	165.137751	0.43765304	334.366925
35	1	150,754,214	150,777,417	23,203	9	0.14404617	110.051272	0.80067724	611.71741	0.90305042	689.930518	0.75754714	578.766015	0.90583132	692.055127	0.12425949	94.9342532	0.51315252	392.048528
668	16	82,784,724	82,800,887	16,163	7	0.14570249	111.316704	0.82593424	631.013758	0.62406997	476.789454	0.28268236	215.969325	0.5550564	424.06309	0.19121415	146.087608	0.34307867	262.12102
563	13	87,580,492	87,732,309	151,817	19	0.14851165	113.462899	0.58026304	443.320962	0.32249316	246.384775	0.11106311	84.8522156	0.35177172	268.753591	0.237157	181.187951	0.38671288	295.448639
692	17	41,139,041	41,176,614	37,573	8	0.14986534	114.497117	0.12905579	98.5986207	0.12460001	95.1944065	0.35277215	269.517926	0.12916344	98.680871	0.06078518	46.4398788	0.6642339	507.474698
593	14	40,716,609	40,737,506	20,897	5	0.15048303	114.969033	0.96499971	737.259775	0.16642572	127.149252	0.28003136	213.943962	0.15308559	116.957387	0.1941083	148.298741	0.49859587	380.927243
595	14	41,640,656	41,648,076	7,420	5	0.15243132	116.457527	0.59678364	455.942703	0.37999109	290.313194	0.75772978	738.905549	0.35842643	273.837789	0.13181164	100.70409	0.57531895	439.543682
254	5	105,511,760	105,511,768	8	3	0.15367125	117.404834	0.98492387	752.481836	0.16902219	129.132951	0.31275468	238.944574	0.144094	110.087814	0.19362559	147.929953	0.86134658	658.068784
327	7	6,274,816	6,275,328	512	4	0.15641803	119.503372	0.40316447	308.017654	0.96698587	738.777207	0.86944089	664.252841	0.99176843	757.711083	0.12762302	97.5039865	0.5088761	388.781343
107	2	148,755,144	148,927,143	171,999	37	0.15687084	119.849321	0.13940949	106.508848	0.39458172	301.460436	0.29850156	228.05519	0.42681088	326.083515	0.06308338	48.1957014	0.3593229	274.522696
118	2	174,886,491	177,803,022	2,916,531															

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
113	2	158,641,258	158,643,203	1,945	5	0.1861425	142.212869	0.21647721	165.388588	0.90257283	689.565639	0.8484536	648.218554	0.99510778	760.262342	0.12585038	96.1496872	0.05257016	40.1636026
507	12	77,072,190	77,074,293	2,403	3	0.18629329	142.328071	0.066347883	506.897827	0.15554522	118.836545	0.68240781	215.75957	0.16072123	122.791023	0.24270109	185.423634	0.09349362	71.4291253
339	7	35,802,070	35,807,318	5,248	12	0.18684597	142.750324	0.08524906	65.1302848	0.26375561	201.509283	0.62254517	475.624512	0.25035083	191.268036	0.19001803	145.173772	0.8953606	64.0555
131	3	38,148,460	38,176,970	28,510	6	0.19045495	145.507585	0.27382112	209.199333	0.88782563	678.298778	0.82021957	626.647748	0.95946396	733.030467	0.13345225	101.957522	0.27517892	210.236696
126	3	19,248,566	19,249,465	899	4	0.19195718	146.655285	0.2456357	187.665677	0.93703206	715.892497	0.47958808	366.405294	0.93180278	711.897321	0.09900814	75.6422204	0.40544099	309.756918
100	2	128,720,236	128,721,154	918	8	0.19251341	147.080242	0.97642861	745.991458	0.40155751	306.789937	0.28707593	219.326013	0.46919521	358.465142	0.26450393	202.081	0.74749208	571.083951
477	11	73,070,371	73,074,216	3,845	3	0.19355407	147.875312	0.33756708	257.901248	0.04792252	36.6128026	0.04010769	30.6422769	0.06075032	46.4132434	0.38507494	294.197253	0.13183166	100.719385
57	2	13,664,146	13,664,834	688	3	0.1950087	148.986646	0.26930934	205.752336	0.06253977	47.7803824	0.02645846	20.2142635	0.06553873	50.0715885	0.40863697	312.198642	0.42835855	327.265931
438	10	64,959,612	64,965,464	5,852	4	0.19516526	149.106257	0.2454621	187.533041	0.09657326	73.7819741	0.06514863	49.7735518	0.09626572	73.5470083	0.35027755	267.612045	0.59437302	454.100984
34	1	150,529,441	150,543,605	14,164	3	0.19608405	149.808217	0.73585176	562.190748	0.80457649	614.696437	0.73109976	558.56022	0.6169797	0.17879265	136.597584	0.37902601	289.575875	
422	9	114,814,094	114,815,852	1,758	8	0.19875254	151.84694	0.38729835	295.895939	0.78263398	597.932361	0.76056835	581.074222	0.71977585	549.90875	0.12152039	92.8415744	0.61915265	473.032621
90	2	97,990,327	98,098,900	108,573	16	0.20533476	156.875758	0.74712065	570.80018	0.54898615	419.425418	0.86043108	657.369347	0.54899914	419.435344	0.14022163	107.129322	0.89600963	684.551354
380	7	130,213,756	130,215,357	1,601	3	0.20613705	157.488709	0.69855663	533.697264	0.67247364	513.769861	0.88140434	673.392918	0.60840183	464.818995	0.13847192	105.79255	0.69779001	533.111564
700	17	52,525,043	52,562,891	37,848	12	0.20703939	158.178096	0.8600191	567.054594	0.04941166	37.7505077	0.20755123	158.569137	0.04075072	31.1335485	0.28342146	216.533996	0.6779909	571.991308
555	13	65,478,774	66,913,713	1,434,939	36	0.2095954	160.130887	0.62493458	477.450017	0.52530639	401.334085	0.78522366	599.910873	0.50316232	384.416011	0.18576617	141.925352	0.07146947	54.6026729
70	2	63,192,560	63,242,247	49,687	4	0.21126686	161.407878	0.52305025	399.610388	0.143664	109.759297	0.35393695	270.407834	0.11232649	85.817435	0.27293179	208.51989	0.44654075	341.157135
418	9	88,476,937	88,499,227	22,290	15	0.21304949	162.769812	0.34166682	261.033453	0.16497105	126.037885	0.30886763	235.974873	0.17383556	132.81037	0.27293901	208.5254	0.97470971	744.678217
293	6	93,784,886	93,785,383	497	3	0.21412882	163.594417	0.01445549	11.0439914	0.13090854	100.014122	0.12454272	95.1506413	0.12590146	96.1887192	0.07089689	54.1652205	0.06937359	53.0014222
41	1	155,362,668	155,395,168	32,500	26	0.21620597	165.181357	0.92190744	704.337284	0.44581753	340.604592	0.51037011	389.922767	0.40735849	311.221888	0.23322975	178.187526	0.74565868	569.683231
490	12	29,152,942	29,155,139	2,197	3	0.21672729	165.579649	0.66921237	511.278249	0.03780391	28.8821898	0.18630057	142.333633	0.03731077	28.5054316	0.30671834	234.332811	0.99078575	756.960311
680	17	30,582,926	31,058,945	476,019	439	0.21745273	166.133882	0.95601424	730.394877	0.80456542	614.687982	0.6975006	532.890458	0.78683601	601.142715	0.20999891	160.439164	0.97112613	741.940363
480	11	91,549,365	91,640,179	90,814	26	0.21805937	166.597358	0.09810758	74.9541898	0.0249697	19.076847	0.05332702	26.898462	0.02088161	15.9535484	0.42798103	326.977507	0.30008088	229.261793
499	12	60,477,871	60,593,624	115,753	26	0.22029674	168.306712	0.30715534	234.66668	0.95535681	729.892602	0.85065244	649.898466	0.86306675	659.382996	0.16455473	125.719813	0.29626655	226.347645
450	10	115,399,439	115,404,360	4,921	6	0.22031198	168.318349	0.74880736	572.088821	0.77859188	594.844199	0.98318284	751.151692	0.7873047	601.500793	0.17574186	134.266781	0.98718119	754.206429
78	2	85,646,753	85,648,776	2,023	5	0.22140441	169.152973	0.83599021	638.696519	0.10177483	77.7559727	0.11187766	85.4745334	0.09277638	70.8811517	0.34680469	264.958785	0.26414864	201.809564
365	7	111,647,983	111,683,670	35,687	15	0.2218871	169.521741	0.24202123	184.90422	0.12599677	96.2615288	0.13951984	106.593154	0.12770669	97.5679139	0.3416863	261.048336	0.36523404	279.038809
163	3	116,043,731	116,044,155	424	2	0.22321621	170.537187	0.37597837	287.247474	0.33105032	252.922447	0.2902928	221.783702	0.35743057	273.076955	0.28977523	221.388279	0.86066526	657.548261
564	13	95,862,954	95,864,309	1,355	4	0.2235306	170.77738	0.59893415	457.58569	0.79469773	607.149066	0.61638673	470.919464	0.77721848	593.794921	0.21658878	165.473826	0.00146901	1.12232302
716	18	11,268,641	11,308,509	39,868	13	0.2241917	171.282457	0.14369648	109.784114	0.67537362	515.985444	0.52360011	406.964682	0.66569446	508.590565	0.2329009	177.93629	0.42967458	380.444942
648	15	57,340,168	57,347,478	7,310	10	0.22560295	172.360654	0.64819924	495.224221	0.39502357	301.798006	0.80067714	611.717332	0.3819298	291.794369	0.20180028	154.175412	0.27412463	209.431218
453	10	126,303,572	126,304,575	1,003	4	0.22591321	172.597693	0.82312112	628.864599	0.7329894	560.003905	0.30398849	232.247205	0.7955232	607.784306	0.28699874	219.267038	0.25677903	196.179175
657	15	95,128,952	95,144,563	15,611	9	0.22890687	174.884846	0.16189787	123.68997	0.11869947	90.6863942	0.10669848	81.5176381	0.14647335	111.90564	0.37613535	287.367411	0.49239905	376.192875
72	2	67,407,575	67,425,236	17,661	4	0.23200851	177.254005	0.1011897	77.3089346	0.1506096	115.065731	0.18584089	141.982439	0.15211876	116.218733	0.33121636	253.049299	0.56780802	433.80533
305	6	126,749,487	126,750,695	1,208	6	0.2380923	181.902514	0.12165213	92.942224	0.09253324	70.6953934	0.03326299	25.4129238	0.09045389	69.1067715	0.44856391	342.702826	0.10808331	82.5756511
6	1	36,837,694	36,838,290	596	10	0.23922069	182.764607	0.21576871	164.847296	0.8537095	652.234055	0.33238402	253.941393	0.89284957	682.137072	0.11211412	85.6551852	0.08879165	67.83682
330	7	12,198,129	12,258,765	60,636	14	0.23922169	182.76537	0.39129197	298.947066	0.65215724	498.248129	0.7992847	610.653508	0.66942463	511.440418	0.16499371	126.055197	0.03144388	24.0231233
59	2	15,367,870	15,368,633	763	3	0.23973402	183.15679	0.54886333	419.331582	0.04259481	32.5424316	0.03373414	25.7728864	0.04173857	31.8882681	0.46922336	358.486647	0.42462728	324.415239
204	4	144,334,174	144,334,795	621	4	0.24174861	184.69594	0.11588887	88.5390987	0.14191822	108.425517	0.38310504	292.692253	0.16311912	124.623011	0.12556984	95.9353569	0.62806958	479.845161
151	3	82,811,832	82,812,650	818	12	0.24506286	187.228029	0.20383076	155.726702	0.39131988	298.968385	0.6720429	513.440479	0.38186298	291.743314	0.23520725	179.698341	0.58369573	445.943537
255	5	108,854,265	108,854,385	120	4	0.24531681	187.422045	0.8390681	641.048032	0.39197235	299.466872	0.84292456	643.994361	0.36636204	279.900602	0.21285004	162.617428	0.78061458	596.389536
558	13	70,444,536	70,451,412	6,876	16	0.24752209	189.106874	0.13411644	102.46496	0.28929097	221.018304	0.08836811	67.5132334	0.34514831	263.693311	0.39832988	304.324025	0.72803141	556.216001
146	3	79,517,672	79,541,183	23,511	15	0.24987537	190.904784	0.66971321	511.660893	0.26252832	200.571633	0.3578758	273.417113	0.26247759	200.53288	0.30415921	232.37764	0.77163853	589.531838
359	7	110,142,788	110,201,227	58,439	14	0.25125363	191.957777	0.25721577	196.512849	0.06033868	46.0987512	0.05028773	68.9798287	0.0603587	46.1140501	0.41303699	315.560263	0.49839749	380.775685
715	18	8,199,910	8,205,008	5,098	4														

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
10	1	55,456,409	55,456,847	438	4	0.26429129	201.918548	0.41816781	319.480204	0.9443539	721.486381	0.81761027	624.654244	0.92558636	707.147982	0.19182618	146.5552	0.27654189	211.278007
638	15	42,106,513	42,112,059	5,546	4	0.26512275	202.553779	0.08503074	64.9634883	0.001178	0.89989897	0.00137702	1.0520416	0.00167013	1.27598111	0.68390865	522.506208	0.5164281	394.551067
762	X	147,048,432	147,056,301	7,869	9	0.26766049	204.492611	0.699994149	534.755298	0.59665743	455.846278	0.84638703	646.863802	0.54269519	414.619123	0.19826963	151.477996	0.71265994	544.472195
616	14	95,445,940	95,528,057	82,117	17	0.26794745	204.711851	0.3816791	291.602831	0.65509689	500.494026	0.72106513	550.893756	0.64855701	495.497558	0.24819578	189.621577	0.38102349	291.101947
125	3	18,744,219	18,777,414	33,195	5	0.26807532	204.809541	0.46446711	354.852876	0.94176254	719.50658	0.55818857	426.456065	0.93518102	714.478297	0.16144756	123.345937	0.46992945	359.026097
763	X	154,298,124	154,298,522	398	5	0.27233084	208.060758	0.1001367	76.5044902	0.03452399	26.376329	0.0120663	9.21865156	0.04080582	31.1756448	0.56993712	435.431956	0.60540901	462.532487
496	12	50,509,608	50,895,726	386,118	74	0.27369356	209.101877	0.35048056	267.767148	0.5130118	391.941016	0.14599831	111.542707	0.51386984	392.596556	0.40698517	310.936673	0.414818	316.920954
47	1	175,732,220	175,912,848	180,628	66	0.27406761	209.387657	0.55308318	422.555548	0.97327367	743.581082	0.56859906	434.409678	0.98312729	751.109249	0.2901975	221.710893	0.27801851	212.40614
301	6	107,044,360	107,080,793	36,433	6	0.27462786	209.815684	0.11472435	67.6490461	0.50882679	388.743665	0.98190915	750.17859	0.54974831	420.00771	0.22591051	172.595629	0.76717045	586.118227
388	8	34,256,748	34,305,880	49,132	12	0.2752077	210.258684	0.18144479	138.623819	0.2461388	188.050041	0.31870546	243.490973	0.23459364	179.22954	0.34199407	261.283468	0.712396011	245.455527
218	5	7,989,617	8,014,367	24,750	6	0.27585784	210.755391	0.77876891	594.979444	0.67295972	514.141228	0.95300162	728.093235	0.71408265	545.559148	0.2471161	188.796699	0.62552652	477.902262
250	5	91,008,627	91,008,703	76	3	0.27722559	211.800349	0.38156384	291.514772	0.00477201	3.6458133	0.14942997	114.164501	0.00403061	3.0793863	0.40386818	308.555291	0.75763731	578.834903
363	7	111,428,102	111,428,284	182	3	0.27749094	212.003079	0.22263646	70.1094253	0.18934902	144.662652	0.1859908	142.096972	0.19797122	151.250318	0.39922055	305.004498	0.33823406	258.479585
186	4	56,211,617	56,212,288	671	6	0.2783273	212.642055	0.77210823	589.890689	0.64800187	495.073428	0.8763218	610.918986	0.69022284	519.690253	0.26552779	202.803228	0.71216777	544.09618
244	5	77,654,536	77,670,776	16,240	4	0.28028831	214.140272	0.90269201	689.656697	0.39063749	298.447039	0.13675055	104.47742	0.39618809	302.687704	0.42000505	320.883859	0.70672133	539.935099
764	X	166,341,476	166,428,718	87,242	74	0.28357747	216.653185	0.65898631	503.465545	0.24990579	190.928025	0.18557896	141.782325	0.27441019	209.649382	0.4155323	317.466679	0.55316837	422.620637
394	8	55,050,369	55,055,813	5,444	9	0.28406092	217.022544	0.10113337	77.2658912	0.25114598	191.87553	0.15190086	116.052253	0.24548378	187.549606	0.427471	326.587841	0.80019132	611.346171
109	2	150,863,347	151,038,740	175,393	24	0.29233483	223.343807	0.07885192	60.2428681	0.30995962	236.809148	0.22313891	170.478124	0.35691327	272.681741	0.13796288	105.403643	0.0319841	244.358537
671	17	3,865,865	3,901,219	35,354	14	0.29438678	224.911503	0.45041081	344.113862	0.43753179	334.274288	0.87546392	668.854433	0.46183108	352.838943	0.22755279	173.850332	0.80865637	617.813468
23	1	117,256,807	117,267,404	10,597	4	0.29439829	224.920294	0.8087399	617.877282	0.07396854	56.5119615	0.039204	29.9518568	0.05982333	45.7050224	0.54586631	417.041859	0.91210262	696.846398
191	4	81,900,655	81,923,439	22,784	7	0.29534787	225.645776	0.67957333	519.194022	0.67446847	515.293913	0.85014087	649.507626	0.65049387	496.977291	0.2603637	198.917865	0.68946465	526.750991
333	7	16,481,510	16,489,413	7,903	14	0.29574019	225.65503	0.85140898	650.476462	0.79725038	609.099292	0.8951936	689.927908	0.83049894	634.501212	0.25577	195.408277	0.58266619	545.53688
538	13	13,972,917	13,987,506	14,589	8	0.29601131	226.152641	0.10172904	77.7209883	0.56713285	433.289495	0.30134362	230.226527	0.5850465	446.975523	0.37328972	285.193343	0.04368287	33.3737151
725	18	69,835,601	69,836,287	686	4	0.29671377	226.689317	0.73520977	561.700266	0.73809072	563.901312	0.95344506	728.432028	0.68216227	521.171976	0.24083609	183.998771	0.71899579	549.312786
528	12	116,056,336	116,152,952	96,616	27	0.29676049	226.725015	0.03004474	22.9541832	0.41262754	315.247442	0.20952795	160.079355	0.5136293	344.84128	0.1341434	102.485557	0.52916417	404.281425
684	17	33,712,337	33,713,456	1,119	7	0.29821927	227.839519	0.96198691	734.957998	0.37888939	289.471496	0.89588201	684.453858	0.39215641	299.607494	0.23615681	180.423802	0.73890357	598.902329
361	7	111,067,015	111,077,749	10,734	10	0.30191705	230.664628	0.30627083	233.990914	0.07700464	58.8315426	0.11815033	90.2668558	0.07589001	57.9799695	0.47083701	359.719478	0.45669966	348.918544
164	3	116,517,329	116,519,296	1,967	8	0.30560223	233.480103	0.59631631	455.585663	0.31206161	238.415071	0.26463014	202.177425	0.34152713	260.926724	0.39894784	304.796147	0.82894364	633.312941
192	4	89,041,272	89,044,023	2,751	11	0.30797783	235.295065	0.89819028	686.217376	0.74167508	566.640222	0.62110658	711.365427	0.27212325	559.418561	0.27215493	207.926366	0.76142274	668.363174
432	10	27,471,662	27,497,089	25,427	11	0.30847312	235.673464	0.73032047	557.96484	0.30159721	230.420266	0.411532	314.410445	0.27536181	210.376422	0.37493187	286.447951	0.94622157	722.913282
599	14	63,523,410	63,543,436	20,026	8	0.30988099	236.749075	0.40872716	312.267549	0.60791464	464.446782	0.61119772	466.95506	0.64549593	493.158892	0.32321577	246.936851	0.15087838	115.271086
429	10	20,924,226	20,938,033	13,807	10	0.31025103	237.031784	0.83943938	641.331686	0.22347708	170.736491	0.60178177	459.761271	0.17724897	135.418212	0.32713235	249.929112	0.76117158	581.535091
237	5	59,737,484	59,830,718	93,234	21	0.31079085	237.44421	0.96505211	737.299812	0.15897224	121.454795	0.16714036	133.01879	0.19055743	145.585573	0.45796425	349.884685	0.76208904	582.32603
408	9	17,303,897	17,358,876	54,979	15	0.31551701	241.054998	0.7749779	592.083119	0.1004771	76.7645078	0.23375409	178.588124	0.09683085	73.9787702	0.43922306	335.56642	0.36050493	275.42577
152	3	90,910,494	91,030,404	119,910	12	0.316579	241.866356	0.88189916	673.77096	0.47552154	363.298458	0.47534533	363.163836	0.4956246	378.657191	0.36408033	278.15737	0.23936725	182.876576
265	6	8,041,854	8,049,012	7,158	12	0.31952139	244.114345	0.23512639	179.636565	0.82143264	627.574535	0.57572245	439.851953	0.86873482	663.713402	0.33012571	252.216045	0.8649953	660.856406
22	1	116,260,504	116,348,067	87,563	21	0.32198409	245.995842	0.65034114	496.860634	0.05425292	41.4492338	0.03067699	23.437224	0.04893587	37.3870063	0.60403682	461.484128	0.86510873	660.943071
328	7	9,155,987	10,622,466	1,466,479	32	0.32279706	246.616952	0.32790813	250.521814	0.74217519	567.021847	0.92945275	710.1019	0.73064114	558.20983	0.27478672	209.937051	0.12862564	98.269989
588	14	35,539,377	35,543,834	4,457	7	0.32719289	249.975364	0.25014313	191.109353	0.19063451	145.644763	0.16376314	125.115042	0.16176956	123.591946	0.49907684	381.294703	0.8953887	684.076967
732	18	74,750,012	74,750,945	933	4	0.32744402	250.167231	0.66864222	510.842657	0.46265138	353.465656	0.62280206	475.820774	0.43109299	329.355046	0.33383321	255.048576	0.29453429	225.024191
546	13	19,273,334	19,275,613	2,279	9	0.32766276	250.334351	0.220278	168.292394	0.34399409	339.211483	0.57145058	208.152245	0.46785883	357.444143	0.42808393	327.056125	0.9144478	698.638123
717	18	12,384,760	12,387,394	2,634	7	0.3288257	251.222831	0.39493481	301.730198	0.66794533	510.310232	0.45738267	349.440361	0.65254189	498.542006	0.38264505	292.340819	0.46651366	356.416437
170	3	137,032,543	137,036,277	3,734	6	0.32966882	251.866982	0.97505383	744.941124	0.96262607	735.446319	0.82142286	627.567068	0.97574055	745.465781	0.25761275	196.816139	0.55602401	424.802341
575	13	114,694,855	114,724,317																

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
483	11	116,602,360	116,630,414	28,054	33	0.35719179	272.894531	0.71142435	543.528203	0.9040809	690.717806	0.8410896	642.592453	0.97592473	745.606495	0.29063778	222.047265	0.85260364	651.389179
677	17	21,378,620	21,419,945	41,325	23	0.36004887	275.077338	0.0286886	21.9180899	0.35274406	269.496462	0.09612384	73.4386121	0.38539812	294.444167	0.1382577	105.62888	0.39648106	302.911529
206	4	146,941,153	147,202,567	261,414	33	0.36022008	275.208141	0.65315014	49.006707	0.65817797	502.847967	0.69035628	527.432196	0.75104919	573.801581	0.37655072	684.684753	0.74413191	568.522273
7	1	39,032,035	39,038,959	6,924	11	0.36162331	276.280205	0.17734843	135.494204	0.60458664	461.904193	0.56821691	434.117719	0.63261654	483.319033	0.23866923	182.343291	0.93939846	717.700422
320	6	142,768,112	142,806,140	38,028	29	0.36248114	276.935594	0.35385955	270.348694	0.83815488	640.350325	0.97348275	743.740819	0.87773251	670.587639	0.29981019	229.054982	0.8072681	616.752832
606	14	75,621,182	75,623,938	2,756	8	0.36432566	278.344802	0.82668648	631.588471	0.07751063	59.2181201	0.30221545	230.892607	0.09280086	70.8998553	0.19970828	152.577128	0.84915285	648.752774
444	10	87,785,880	87,786,384	504	4	0.36564082	279.349589	0.7446436	568.907707	0.63972964	488.753445	0.67314825	514.285261	0.61251627	467.962432	0.37354707	285.389959	0.97637085	745.94733
257	5	112,964,873	112,965,257	384	3	0.36809734	281.226368	0.15040177	114.906953	0.15490994	118.351195	0.23437707	179.06408	0.21526712	164.46408	0.18344255	140.150105	0.91465684	698.797829
149	3	80,664,095	80,665,695	1,600	7	0.36986494	282.576815	0.96111733	734.293643	0.46349963	354.113714	0.42564906	325.195883	0.46001148	351.448769	0.42682059	326.090929	0.00275778	2.10694601
153	3	91,831,940	91,835,321	3,381	7	0.37094211	283.399769	0.967657	739.28995	0.49537996	378.470293	0.50210352	383.607089	0.51024724	389.828893	0.42365324	323.671078	0.15838662	821.007377
522	12	114,835,711	114,963,919	128,208	50	0.37253752	284.618666	0.0193978	14.8199187	0.59614893	455.457785	0.24905156	190.275389	0.67734183	517.489161	0.1916975	146.456891	0.98779313	754.673952
506	12	75,965,852	75,973,713	7,861	4	0.37367498	285.487688	0.91296189	697.502886	0.58172391	444.437064	0.81220356	620.523521	0.58065768	443.62247	0.36347366	277.693875	0.21922834	167.49045
273	6	67,402,363	67,416,712	14,389	10	0.3738479	285.619798	0.79184176	604.967104	0.64865157	495.569799	0.84243224	643.618234	0.61644077	470.960751	0.30016643	229.327151	0.22372587	170.926561
368	7	115,004,586	115,041,563	36,977	9	0.37555136	286.928898	0.16823064	128.528211	0.31440155	240.02781	0.56287837	416.592672	0.61584077	272.62635	0.4143887	316.59297	0.23071974	176.269884
687	17	35,482,411	35,482,653	242	6	0.37834696	289.057078	0.10466705	79.9656249	0.60742352	464.071573	0.48627048	371.510644	0.60859348	464.965417	0.24153433	184.532228	0.75781789	578.972865
649	15	57,941,561	57,943,509	1,948	10	0.38205905	291.893111	0.80592054	615.723294	0.44548363	340.349497	0.70935427	541.946662	0.41402274	316.313373	0.38318715	292.754981	0.19226421	146.889853
338	7	35,461,546	35,461,901	355	5	0.38298918	292.603732	0.04765454	36.408066	0.67142267	512.966919	0.90544002	691.756178	0.61436514	469.374965	0.33191061	253.579709	0.53492738	408.68452
103	2	142,748,719	142,766,622	17,903	6	0.3834182	293.931504	0.26455485	202.119905	0.42513245	324.80119	0.49712959	379.80701	0.45250904	345.716903	0.42767722	326.745393	0.1895085	824.474467
205	4	145,452,418	146,034,593	582,175	33	0.38446517	293.731391	0.65454623	500.073318	0.43942906	335.723799	0.95808381	731.976032	0.506876	387.25326	0.35290299	269.617886	0.78406213	599.023466
390	8	52,224,120	52,273,067	48,947	10	0.38541933	294.460368	0.2438735	186.319351	0.75695702	578.315164	0.84970096	649.171534	0.65490289	500.34581	0.36972214	282.467712	0.57209012	437.076851
269	6	33,119,386	33,120,432	1,046	3	0.39161431	299.193334	0.89329856	682.480098	0.8597018	656.812177	0.79912016	610.527802	0.88728817	677.888159	0.36991015	282.611357	0.70873353	541.472419
644	15	54,022,603	54,023,121	518	4	0.39169847	299.257632	0.96962879	740.796397	0.23256832	177.682198	0.290197	221.575051	0.2400624	183.407672	0.49568937	378.706677	0.84952983	649.404792
323	6	143,640,052	143,657,471	17,419	8	0.39252312	299.887663	0.17018352	130.020209	0.36912652	282.012662	0.20809854	158.987281	0.35424463	270.642899	0.54717555	418.04212	0.67640977	516.777063
572	13	110,512,099	110,531,531	19,432	16	0.39614098	302.651712	0.86551496	661.25343	0.65850681	503.099201	0.28950481	221.181673	0.61437485	469.382388	0.50448354	385.425425	0.94013669	718.264429
104	2	145,449,366	145,461,121	11,755	12	0.39647632	302.907912	0.4403188	336.403561	0.60092862	459.109469	0.31722222	242.357773	0.68184252	520.927687	0.23286387	177.907997	0.82981775	633.98076
1	1	16,147,549	16,166,507	18,958	8	0.39697001	303.285088	0.46313631	353.836142	0.70772088	540.698754	0.66697365	509.567867	0.76011165	580.725304	0.27981112	213.775693	0.72702802	555.449405
556	13	67,635,961	67,639,652	3,691	5	0.39939414	305.137123	0.13006201	99.3673737	0.41351501	315.925469	0.63130422	482.316424	0.42143714	321.977973	0.41969952	320.650435	0.29579565	225.987879
617	14	97,780,779	97,832,155	51,376	11	0.39996651	305.574417	0.74592017	569.886059	0.90569653	691.952146	0.63518309	485.279878	0.9022507	689.319534	0.4185384	319.763338	0.83986416	641.656216
382	8	28,371,247	28,479,196	107,949	43	0.40054726	306.08103	0.10439687	79.760548	0.37381687	285.59609	0.78079389	596.526498	0.3419009	262.197232	0.31178403	202.92999	0.77790686	594.32084
76	2	77,675,871	77,873,766	197,895	90	0.40101796	306.37772	0.94393328	721.165023	0.2266006	173.122855	0.21070812	160.981003	0.20784877	158.796457	0.53593866	409.457133	0.08452787	64.5792889
520	12	111,254,016	111,287,270	33,254	5	0.40155914	306.791184	0.78718617	601.410237	0.82341318	629.087671	0.32075956	245.060304	0.79984058	611.078205	0.50613783	386.689301	0.30129027	230.185769
221	5	10,785,521	11,246,794	461,273	17	0.40183122	306.999051	0.99616025	761.066434	0.34375084	262.625644	0.73431608	561.017482	0.35074982	267.972861	0.3191349	243.819065	0.47236777	360.888978
530	12	116,359,895	116,583,730	223,835	83	0.40195331	307.092329	0.05256452	40.1592919	0.52846827	403.74976	0.25485483	195.544498	0.5663872	432.71982	0.21534213	164.521387	0.6172381	471.56991
547	13	22,180,406	22,247,428	67,022	20	0.40347631	308.255904	0.05160862	39.4289894	0.39364146	300.742077	0.67225668	513.6041	0.4414775	337.288808	0.40487027	309.320884	0.66715424	509.705838
753	19	38,127,355	38,132,440	5,085	12	0.4035318	308.298298	0.81661795	623.89611	0.26455846	202.122664	0.31455008	240.316264	0.28926795	221.000716	0.53833096	411.284855	0.62163513	474.929237
202	4	143,201,660	143,205,948	4,288	12	0.40359964	308.350128	0.44689681	341.429161	0.14612552	111.639896	0.28406244	217.023703	0.15570052	118.955198	0.22231287	169.847033	0.01357868	10.3741117
106	2	147,572,128	147,572,911	783	5	0.40381445	308.514243	0.74403497	568.442714	0.65730733	502.182802	0.92848677	709.363891	0.6407971	489.568988	0.38051951	290.716905	0.37718902	257.612411
742	19	15,223,352	15,236,075	12,723	12	0.40422471	308.827681	0.67885591	518.645919	0.89550483	684.165689	0.80135261	612.233393	0.78748465	601.63827	0.31946702	244.072805	0.20045832	153.150159
315	6	139,788,838	139,789,925	1,087	7	0.4058165	310.043804	0.364534	278.503973	0.89231552	681.729056	0.60934151	465.536916	0.95240848	727.64008	0.30336335	231.769598	0.1499388	114.553246
387	8	30,463,842	30,483,664	19,822	4	0.40657869	310.626118	0.18106288	138.332044	0.03228139	24.6629847	0.10374745	79.263051	0.02501077	19.1082266	0.63075792	481.89905	0.47090562	359.771897
74	2	74,336,997	74,349,334	12,337	4	0.40754527	311.364583	0.02017063	15.410363	0.24097939	184.108252	0.21746555	166.134679	0.27510638	210.181276	0.2103938	160.740866	0.797947502	748.318917
8	1	42,233,858	42,246,588	12,730	4	0.40857809	312.15366	0.10226954	78.1339287	0.11326996	86.5382461	0.09812708	74.9690889	0.13012388	99.4146422	0.63642314	486.22728	0.03282407	25.0775879
412	9	38,126,083	38,141,452	15,369	15	0.40990563	313.167904	0.8148844	622.571685	0.89557253	684.217412	0.79764274	609.399051	0.82998553	634.108942	0.39953795	305.246992	0.10825584	82.70746
664	16																		

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
411	9	37,086,445	37,086,843	398	5	0.43014537	328.631059	0.94868963	724.798874	0.46339928	354.037053	0.82281397	628.629873	0.44264528	338.180997	0.42267885	322.926645	0.75802953	579.134562
589	14	36,416,179	36,417,134	955	4	0.43062347	328.99634	0.22347894	170.737908	0.22944569	175.29651	0.33292858	254.357437	0.18421387	140.739397	0.55934489	427.339498	0.60075165	458.974264
190	4	77,228,417	77,255,056	26,639	11	0.4334317	331.141823	0.38154261	291.498555	0.11394027	87.0503632	0.29893551	228.386729	0.1074485	82.0883594	0.56048078	428.207319	0.00563845	4.30777648
491	12	30,667,058	30,671,688	4,630	16	0.43425671	331.772126	0.71218	544.105521	0.39892573	304.779257	0.53920153	411.949972	0.38874712	297.002802	0.47353416	361.780099	0.17381546	132.79501
613	14	85,098,924	85,109,651	10,727	4	0.43447266	331.93711	0.70778986	540.751451	0.61577796	470.454362	0.75465909	576.559548	0.60236734	460.208648	0.33392359	255.117625	0.72736651	555.708017
698	17	50,132,851	50,143,591	10,740	8	0.43528368	332.55673	0.15048572	115.048556	0.43904587	335.431045	0.25015165	191.115858	0.42758376	326.674004	0.24027084	183.56692	0.66255386	506.191146
196	4	101,601,485	101,601,817	332	3	0.4355036	332.724752	0.49849775	380.852282	0.93889424	717.315202	0.4707481	359.651551	0.98890923	755.526654	0.51181538	391.026947	0.73610001	562.380404
38	1	151,948,823	151,949,622	799	8	0.43854766	335.050414	0.55902887	427.098055	0.87298717	666.962195	0.64661434	494.013358	0.86085371	657.692233	0.45298826	346.083028	0.49204805	375.924709
561	13	73,546,675	73,574,553	27,878	11	0.43919288	335.543361	0.70752929	540.55238	0.94805734	724.315809	0.74490053	569.104002	0.92882554	709.622715	0.35148636	268.535576	0.13172094	100.634797
171	3	137,487,798	137,529,819	42,021	14	0.43924454	335.582829	0.73202956	559.270586	0.35878454	274.11139	0.17774006	135.793407	0.36107172	275.858794	0.62544693	477.841455	0.28422193	217.145557
43	1	160,802,986	161,749,651	946,665	290	0.44279529	338.295598	0.65073858	497.164274	0.55205436	421.769527	0.39783877	303.948824	0.51390608	392.624244	0.54802055	418.687698	0.97337752	743.660426
11	1	55,818,726	55,848,831	30,105	9	0.44413778	339.321262	0.62215456	475.326082	0.89266457	681.995733	0.99405048	759.454569	0.85407583	652.513935	0.38900548	297.200189	0.50593818	386.536772
607	14	78,207,014	78,207,745	731	3	0.44579788	340.58958	0.19632956	149.995785	0.7319752	559.229056	0.40320999	308.052432	0.76898793	587.506777	0.27295117	208.534691	0.29319819	724.003471
427	10	15,272,668	15,281,790	9,122	3	0.44905923	343.081255	0.70131249	535.80274	0.63507763	485.19931	0.56923612	434.86396	0.485979218	435.321226	0.48531217	370.787495	0.92306116	212.094726
341	7	39,096,069	46,665,068	7,568,999	70	0.44973489	343.597459	0.24426185	186.616057	0.41807623	319.410236	0.63148912	482.457688	0.46291965	353.670611	0.47822274	365.362172	0.46262832	353.448037
452	10	123,514,580	123,514,754	174	2	0.44995877	343.7685	0.1356267	103.618795	0.53513519	408.843282	0.35538247	271.512207	0.5865974	448.160417	0.55273265	422.287744	0.72658417	555.110305
730	18	74,314,441	74,314,504	63	3	0.45017042	343.930201	0.23261129	177.715024	0.1909393	145.877622	0.44589381	340.662871	0.21125984	161.402517	0.29851208	228.063228	0.43174775	329.855283
533	12	117,219,726	117,240,329	20,603	9	0.45078178	344.397282	0.03889787	29.7179693	0.38779597	296.276121	0.21710794	165.870468	0.42269689	322.940424	0.24071773	183.908348	0.95501918	729.634657
174	3	141,728,366	141,728,691	325	4	0.45465157	347.353797	0.95784939	731.796936	0.68452245	522.975152	0.89728348	685.524575	0.66925133	511.308019	0.43423987	331.759259	0.73183403	559.121202
354	7	86,827,857	86,840,870	13,013	32	0.4552705	347.826663	0.27935361	213.426158	0.87144173	665.781484	0.6165297	471.028688	0.87343093	667.301233	0.32630014	249.293305	0.41984901	320.764644
334	7	20,658,198	24,083,399	3,425,201	25	0.45574175	348.186699	0.38267719	292.365371	0.4625378	353.378877	0.54238109	414.379152	0.43024393	328.706365	0.53127328	405.892783	0.67825634	518.187844
15	1	77,743,451	77,769,548	26,097	15	0.45634281	348.645905	0.5020294	727.350462	0.31529642	404.886468	0.45522226	347.789806	0.31164994	238.100557	0.52309641	399.645658	0.36747069	280.747606
747	19	26,846,010	26,846,087	77	3	0.46138136	352.495362	0.9869363	754.019333	0.89299387	682.247316	0.85501561	653.231926	0.91636656	700.104049	0.43479157	332.18076	0.76001415	580.650814
119	2	181,026,765	181,027,369	604	7	0.46250818	353.356248	0.42515676	324.819767	0.91667765	700.341727	0.51417508	392.829765	0.97411524	744.224042	0.32383431	247.409409	0.98343157	751.341722
518	12	102,582,454	102,828,642	246,188	96	0.46311686	353.821128	0.55304308	422.524917	0.4144543	316.643086	0.51109372	390.475599	0.43317285	330.94406	0.32023291	244.657943	0.91963955	702.604618
567	13	104,201,097	104,203,640	2,543	4	0.46527957	355.473588	0.29224722	223.276879	0.57003582	435.507363	0.20252304	154.727599	0.62041432	473.996543	0.61810258	472.230368	0.8801316	672.420541
243	5	77,492,850	77,510,553	17,703	9	0.46577058	355.848724	0.83080825	634.737506	0.60119446	459.312569	0.14065737	107.462228	0.60592126	462.92384	0.68773964	525.433085	0.88201219	673.857316
641	15	47,861,366	47,886,626	25,260	5	0.46611997	356.115658	0.6434939	491.629342	0.99172609	757.678732	0.65887335	503.379237	0.95324607	728.279996	0.34382852	262.684987	0.18389214	740.493598
682	17	32,776,807	32,785,160	8,353	9	0.46899209	358.309957	0.09354435	71.4678836	0.25095799	191.731908	0.1990814	152.098186	0.2626252	200.64565	0.25689814	196.270179	0.09230353	15.198961
713	17	88,952,743	88,963,711	10,968	20	0.46929891	358.544367	0.57245133	437.352814	0.07332794	56.022549	0.15215137	116.243644	0.07433831	56.7944713	0.67298353	514.159416	0.01754307	13.4029032
63	2	24,535,423	24,654,597	119,174	107	0.46936763	358.596869	0.2554964	195.199253	0.4403994	336.465143	0.441761	337.505403	0.42902111	327.772127	0.31353978	239.544388	0.14665641	112.045497
385	8	28,730,777	28,743,469	12,692	10	0.46963261	358.799311	0.19313324	147.553796	0.35129033	268.385811	0.73449385	561.153298	0.31414969	240.010366	0.36765587	280.889082	0.23266993	177.759826
37	1	151,114,382	151,189,461	75,079	19	0.46971746	358.864142	0.46977606	306.192912	0.88432716	675.025948	0.73493562	568.382397	0.90560261	691.880544	0.46263563	353.453625	0.47822862	349.781063
580	14	9,476,924	9,491,919	14,995	7	0.47035127	359.348372	0.04101524	31.3356403	0.23737726	181.356225	0.20860111	159.371249	0.26008881	198.707851	0.26094306	199.360496	0.62889975	480.479408
87	2	95,223,572	95,293,225	69,653	17	0.47278054	361.20433	0.05353912	40.9038907	0.19063088	145.641993	0.0793626	60.6330265	0.22313356	170.474042	0.74870411	572.009937	0.36075694	275.618306
665	16	62,626,563	62,633,214	6,651	7	0.47289762	361.293778	0.66792546	510.295049	0.3963104	302.781147	0.58896012	449.965529	0.39085015	298.609518	0.52571546	401.646615	0.75160812	574.228602
364	7	111,485,184	111,501,846	16,662	20	0.47359817	361.829003	0.29491692	225.316526	0.08491932	64.8783592	0.11807968	90.2128748	0.08876741	67.8183001	0.71229667	544.194658	0.28708948	219.336364
356	7	109,794,774	109,817,326	22,552	8	0.47367011	361.88396	0.29148517	222.694673	0.08793435	67.1818469	0.15793086	120.659175	0.08804826	67.2688673	0.68199332	521.042899	0.3321468	253.760153
316	6	139,864,605	139,882,163	17,558	9	0.47478562	362.736212	0.63717539	486.802	0.44812769	342.369558	0.17022247	130.049966	0.50204233	383.564846	0.66131959	505.248167	0.29148416	222.693897
58	2	14,998,525	15,246,657	248,132	47	0.47528025	363.114109	0.05526451	42.2220846	0.01390825	10.625902	0.00591124	4.51618731	0.01689134	12.9049804	0.94574727	722.550917	0.49020571	374.517162
300	6	106,983,886	107,033,569	49,683	20	0.47678221	364.261607	0.10488859	79.6764807	0.14885675	113.72656	0.42537043	324.983005	0.17629182	134.686952	0.32414752	247.648704	0.60982132	465.903486
258	5	114,023,755	114,025,841	2,086	5	0.47747114	364.787954	0.54324769	415.041234	0.93878558	717.232187	0.77365038	591.068888	0.95918795	732.81959	0.48661962	371.777391	0.37961267	290.02408
695	17	45,324,397	45,349,233	24,836	10	0.4786073	365.655979	0.02207636	16.8663163	0.15808778	120.779066	0.18025236	137.7128	0.1424304	108.816829	0.24224			

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
386	8	29,493,904	29,531,641	37,737	6	0.49503308	378.205271	0.44253733	338.09852	0.05307356	40.5482036	0.22170101	169.379573	0.0389632	29.7678817	0.67370194	514.708281	0.81770277	624.724918
360	7	110,370,159	110,491,407	121,248	30	0.49569929	378.714256	0.28032753	214.17023	0.10721915	81.9154269	0.17744391	135.567147	0.10719187	81.8945856	0.69564377	531.471843	0.36623351	279.802403
410	9	35,652,844	35,929,172	276,328	71	0.49656661	379.376499	0.35864595	274.005505	0.76595039	585.186101	0.67889053	518.610478	0.79341585	606.169708	0.53547939	409.106256	0.38502612	294.159956
519	12	110,355,216	110,412,139	56,923	8	0.49827896	380.685125	0.85224525	651.115372	0.57132803	436.494617	0.8336976	636.944965	0.54024324	412.745837	0.47652033	364.061533	0.89935839	687.109811
277	6	68,535,332	68,785,029	249,977	67	0.499703	381.773093	0.28032346	214.167127	0.5512953	421.189608	0.46545817	355.610044	0.58659037	448.155041	0.34183393	261.165224	0.00261003	1.9940632
317	6	139,939,182	139,950,758	11,576	9	0.50094004	382.718192	0.29123631	222.504539	0.41050455	313.625476	0.28083006	214.554169	0.54224217	414.273016	0.307155	234.666419	0.48399752	369.774104
285	6	74,552,424	74,645,435	93,011	29	0.50129995	382.993165	0.30592444	233.72627	0.73285413	559.900558	0.93671097	715.647179	0.812447	620.709505	0.45366114	346.597113	0.51786841	395.651462
585	14	31,420,361	31,420,623	262	6	0.50280055	384.13962	0.59781295	456.72909	0.99241271	758.203309	0.74319211	567.798774	0.93818695	716.774828	0.41779037	319.191844	0.03255203	24.8697511
276	6	68,387,772	68,420,548	32,776	16	0.50485309	385.707759	0.30899123	236.069303	0.80552876	615.423972	0.82268642	628.532427	0.86566851	661.370745	0.42874944	327.564574	0.95687914	731.055665
21	1	111,646,054	111,711,660	65,606	7	0.50546807	386.177608	0.97232922	742.859527	0.46215361	353.085355	0.45347808	346.457255	0.50373101	384.85049	0.6173299	471.640045	0.96807273	730.607565
395	8	62,393,103	62,420,070	26,967	13	0.50601192	386.593105	0.33396759	255.151242	0.93640353	715.412293	0.97132402	742.091552	0.97110487	741.924119	0.4609848	352.192391	0.7497351	572.797613
158	3	105,009,284	105,009,297	13	2	0.506227	386.757425	0.22739644	173.730879	0.81941358	626.031977	0.76515706	584.579994	0.82434866	629.802373	0.50785844	388.003852	0.95844943	732.255366
676	17	13,398,037	13,649,185	251,148	40	0.50837551	388.398891	0.48189807	368.170122	0.60886261	465.171032	0.81409004	621.96479	0.58431392	446.415833	0.4351357	332.443671	0.57575366	439.875797
229	5	55,418,075	55,483,118	65,043	10	0.50872856	388.686823	0.26959919	205.973781	0.1190413	90.9475495	0.15975972	122.054628	0.11976004	91.4966705	0.72266152	515.113881	0.20544343	156.958777
241	5	72,864,953	72,887,910	22,957	4	0.50955802	389.302324	0.40399544	308.652515	0.67004168	511.911843	0.89589059	684.460414	0.67859187	518.444188	0.45269922	345.862207	0.81926589	625.919141
324	6	145,108,944	145,120,036	11,092	15	0.51059971	390.098177	0.72254765	552.026404	0.78992606	603.50351	0.78029064	596.142051	0.7930052	605.85597	0.5128366	391.80716	0.11023066	84.2162208
521	12	112,776,324	112,778,081	1,757	12	0.51065505	390.140461	0.85125329	350.357512	0.74775695	571.286306	0.84756054	647.536255	0.65117053	497.494288	0.41733503	318.84396	0.47111813	359.934252
559	13	71,170,616	71,187,686	17,070	5	0.51107138	390.458536	0.87300823	666.978284	0.76003361	580.66568	0.90724314	693.13376	0.77060573	588.742778	0.49019548	374.50935	0.79725239	609.080196
217	5	7,052,180	7,171,279	119,099	18	0.51141088	390.717913	0.6264239	478.587861	0.36734944	280.654969	0.61159351	467.257439	0.41470323	316.833267	0.39066748	298.469956	0.26174922	199.976406
381	7	133,164,530	133,182,625	18,095	5	0.5117642	390.987489	0.50357228	384.729218	0.81812193	625.045153	0.99615946	761.065828	0.75561568	577.290377	0.50201951	383.542904	0.81250396	620.753024
373	7	115,566,346	115,604,872	38,526	12	0.51363847	392.419792	0.13031528	99.560877	0.36887414	281.819845	0.5655674	432.093495	0.41870237	319.889034	0.57054549	435.896758	0.22785672	174.02829
527	12	115,869,496	115,975,158	105,662	31	0.51393144	392.643619	0.04083216	31.1957679	0.47160746	360.380101	0.2468995	188.631215	0.51307762	391.991303	0.30173318	230.524146	0.59860404	450.044923
214	5	5,954,742	6,110,511	155,769	34	0.51399867	392.694985	0.7519977	574.526246	0.28700941	219.275186	0.3970605	303.354223	0.32555886	248.726966	0.34677747	264.937989	0.23560633	180.003239
565	13	101,131,358	101,185,606	54,248	42	0.51516331	393.584769	0.9531794	728.229062	0.1377356	105.229995	0.07160852	54.7089085	0.12835026	98.059597	0.82533544	630.556277	0.00327709	2.50369441
50	1	177,725,275	177,729,816	4,541	7	0.51647439	394.586436	0.69230239	528.919028	0.21542055	164.581298	0.18935682	144.66861	0.23003055	175.743343	0.74987487	572.904399	0.65514118	500.527865
94	2	101,400,951	101,406,561	5,610	7	0.51699786	394.986362	0.12590067	96.1881111	0.16689876	127.510653	0.10682534	81.6145566	0.17813388	136.094282	0.76152051	581.801667	0.92426227	706.136372
42	1	159,719,419	160,644,184	924,765	434	0.51823694	395.933021	0.21899956	167.315663	0.52889656	404.076973	0.25566844	195.330689	0.51676135	394.805671	0.69075596	527.737556	0.63686071	486.561586
216	5	7,031,786	7,048,239	16,453	7	0.52680809	402.481382	0.21369885	163.265922	0.16877587	128.944764	0.09638341	73.6396268	0.22018525	168.221528	0.24995352	190.964491	0.25704603	196.383164
93	2	100,669,661	100,698,052	28,391	7	0.52995484	404.885495	0.03912874	29.8943578	0.03156211	24.1134541	0.0095443	76.0158784	0.04975063	9.98528395	0.7526694	0.98593291	480.856184	
132	3	46,180,539	46,182,502	1,963	3	0.53091962	405.622589	0.65784159	502.590977	0.26662227	203.699415	0.9432112	720.613357	0.31691117	242.120133	0.49349212	377.027976	0.98732745	754.31817
391	8	52,394,663	52,466,264	71,601	14	0.53130704	405.918577	0.17915966	136.877977	0.94140489	719.233337	0.97504737	744.936189	0.92944877	710.098858	0.4854414	370.877233	0.70613469	539.486902
632	15	22,146,459	22,192,021	45,562	7	0.53149091	406.059056	0.74876335	572.055196	0.36972649	282.471039	0.22553716	172.310391	0.35336771	269.972857	0.73848934	564.205852	0.87219935	666.360303
646	15	56,628,058	56,711,813	83,755	18	0.53233333	406.702667	0.73142064	589.365372	0.63155999	482.511833	0.78645634	600.842952	0.6047656	462.040919	0.5392234	411.966677	0.58232584	603.640943
396	8	76,812,850	76,823,496	10,646	6	0.5326406	406.937415	0.75996527	580.613465	0.55739214	425.847593	0.82369506	629.303027	0.53828876	411.25261	0.44349771	338.832253	0.40703662	310.975979
159	3	110,734,020	110,807,739	73,719	12	0.53346668	407.568542	0.59724598	456.29593	0.53433532	408.232181	0.23356831	178.446191	0.51946688	396.872697	0.69433979	530.475597	0.40083962	306.241467
46	1	173,219,128	173,222,721	3,593	17	0.53395337	407.940375	0.14706122	112.354769	0.00995316	7.60421233	0.01171902	8.95333275	0.0130102	9.93979562	0.9829769	750.994352	0.21427892	163.709096
355	7	109,754,987	109,760,894	5,907	3	0.5341944	408.124524	0.40759169	311.400051	0.05046904	38.5583468	0.10207381	77.9843939	0.04948689	37.8079864	0.79997982	611.184584	0.507215	387.512262
199	4	111,745,396	112,286,229	540,833	112	0.53561363	409.208812	0.44155237	337.346008	0.85494006	653.174204	0.36447255	278.457032	0.91649562	700.202657	0.35593166	271.931787	0.96319348	735.87982
511	12	93,121,761	93,132,845	11,084	12	0.53751733	410.663237	0.56494287	431.616355	0.58200728	444.653564	0.76554165	584.873818	0.59183315	452.160527	0.43422506	331.747946	0.06036797	46.1211301
82	2	89,450,021	89,457,958	7,937	14	0.54236151	414.364194	0.20450743	156.243673	0.01098606	8.39334894	0.04837841	36.9611039	0.01080385	8.25414395	0.86168526	658.327537	0.98047887	749.082803
633	15	22,457,663	22,478,262	20,599	9	0.54374719	415.42285	0.93181546	711.907008	0.44034992	336.427341	0.37875651	289.369971	0.31542526	315.946515	0.69097728	531.039045	0.89428364	679.412703
727	18	71,609,676	71,611,282	1,606	4	0.5452383	416.562059	0.3688051	281.767093	0.73032603	557.969088	0.9968816	761.617545	0.74357157	568.088683	0.52952747	404.558988	0.74641962	570.264588
128	3	24,116,533	24,157,241	40,888	9	0.5452903	416.601791	0.99208397	757.952151	0.85466043	652.960566	0.36563584	355.745784	0.88954336	679.611124	0.62882882	480.425216	0.04019921	30.7121938
537	13																		

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
639	15	46,239,982	46,247,063	7,081	8	0.56850101	434.334771	0.89068359	680.482264	0.76765586	586.489079	0.86043053	657.368927	0.81500975	622.667452	0.50516555	385.946478	0.47433857	362.39467
270	6	34,205,393	34,221,475	16,082	8	0.56989702	435.401326	0.869918	664.617355	0.76210538	582.248512	0.53420794	408.134868	0.681505	602.146982	0.64210111	490.565248	0.28619472	218.652765
482	11	112,741,985	112,742,345	360	2	0.57361348	438.2407	0.572614708	475.3203751	0.72352524	552.773283	0.59518161	454.71875	0.69247379	529.049977	0.62096742	474.419106	0.83466831	637.685589
122	3	10,385,565	10,390,978	5,413	14	0.57364473	438.264572	0.45715966	349.269977	0.23474981	179.348854	0.27908824	213.223416	0.22276006	170.188687	0.36359398	277.785799	0.09529238	72.8033745
733	18	75,257,879	75,261,870	3,991	6	0.57411305	438.622371	0.85728195	654.963413	0.79522196	607.549577	0.866351	663.420167	0.37778894	563.670753	0.49213352	375.990012	0.35549987	271.601903
51	1	177,998,116	178,000,769	2,653	5	0.57565164	439.797855	0.50044294	32.2584044	0.04206634	32.1386827	0.03507545	26.7976467	0.06388722	48.8098359	0.93544165	714.677424	0.80355535	613.916285
215	5	6,935,526	6,993,918	58,392	8	0.57571011	439.842523	0.57077598	382.592847	0.23442889	179.103675	0.32473145	248.094828	0.28064208	214.410553	0.38279167	292.452839	0.38691373	295.602092
531	12	116,745,882	117,040,993	295,111	41	0.57658633	440.511959	0.03404805	26.0127088	0.35597529	271.965119	0.19105576	145.966597	0.40469896	309.190003	0.33128198	253.099432	0.93014587	710.631444
618	14	99,527,482	99,532,575	5,093	5	0.57734957	441.095072	0.96056165	733.869104	0.85140808	650.475777	0.88291463	674.546776	0.84691111	647.040091	0.48714495	372.178743	0.21422724	163.66961
32	1	142,515,175	142,625,802	110,627	19	0.5795462	442.773299	0.5795462	103.845602	0.89149226	681.100083	0.67277291	513.9985	0.96314149	735.840097	0.46405466	354.537757	0.32094418	245.201354
526	12	115,795,799	115,842,787	46,988	18	0.57989837	443.042351	0.07257746	55.4491826	0.50645074	386.928368	0.26699518	203.984321	0.51939836	396.820349	0.36370787	277.872815	0.42436292	324.213273
374	7	115,735,206	115,755,917	20,711	5	0.58156261	444.313835	0.27200325	207.810483	0.33436038	255.451334	0.70929923	541.904609	0.37125725	283.640537	0.61032856	466.291019	0.07353421	56.1801344
234	5	57,802,748	57,881,343	78,595	10	0.5825507	445.068738	0.11750444	89.7733936	0.02972578	22.7104927	0.07909096	60.4254964	0.02973973	22.721154	0.88831973	678.676275	0.31391754	239.832999
298	6	103,383,705	103,640,909	77,204	19	0.58260994	445.113994	0.53068092	405.440293	0.0682038	52.107704	0.19592999	152.440914	0.0686732	66.3711277	0.34866284	266.378407	0.06707675	53.9970388
332	7	12,712,933	12,770,476	57,543	23	0.58305489	445.45394	0.33957608	259.436125	0.68869067	526.15967	0.65444828	499.998488	0.73575832	562.119356	0.4512753	344.77433	0.09361259	71.5200198
213	5	5,584,666	5,584,972	306	7	0.58309402	445.483832	0.69543932	531.315643	0.21054128	160.853538	0.31017094	236.970595	0.24541225	187.494962	0.38200184	291.849402	0.32720808	249.986974
594	14	40,897,017	40,992,496	95,479	21	0.58343861	445.747101	0.52379219	400.177236	0.89117483	680.857568	0.99689049	761.624335	0.88569939	676.674333	0.54153074	413.729482	0.79801585	609.684109
398	8	80,087,901	80,089,033	1,132	7	0.5838549	446.065145	0.3208779	245.150714	0.02100043	16.0443257	0.03288832	25.1266796	0.02056712	15.7132819	0.97134201	742.105299	0.03369368	25.7419744
548	13	23,653,701	23,668,319	14,618	21	0.58464662	446.670015	0.70566952	539.131515	0.67080052	512.491596	0.97872459	747.745587	0.68817316	525.764296	0.53899601	411.792951	0.30105061	230.002663
101	2	131,988,279	131,995,341	7,062	4	0.58554506	447.356426	0.89464891	683.51177	0.95603281	730.409067	0.82313749	628.877046	0.95704511	731.182465	0.55667809	425.302059	0.23923267	182.773758
576	13	115,684,513	115,685,411	898	2	0.58729809	448.695739	0.97341866	743.691855	0.33425004	255.367034	0.38771522	296.214431	0.36432118	278.341854	0.73012116	557.812564	0.49117734	375.259486
601	14	68,685,551	68,694,460	8,909	3	0.5879971	449.229786	0.39949408	305.213479	0.26852729	205.154852	0.27128455	207.261397	0.35231733	192.770437	0.75471142	576.599521	0.8355792	638.382509
711	17	85,125,658	85,126,027	369	8	0.58967397	450.510917	0.83327316	636.620693	0.98701812	754.08184	0.89696083	685.278072	0.98206887	750.300616	0.53674758	410.075149	0.80619027	615.929367
28	1	130,723,207	130,733,460	10,253	10	0.59312585	453.148152	0.46101759	352.217442	0.62308509	476.037011	0.95990991	733.371169	0.65443265	499.986544	0.54805086	418.71086	0.29596352	226.116133
624	14	116,640,642	116,643,475	2,833	7	0.59474571	454.385722	0.54079263	413.165572	0.17263888	31.896103	0.16625147	127.016125	0.14592222	111.484578	0.83802774	640.253191	0.34585434	264.232715
284	6	70,686,052	70,700,249	14,197	8	0.5967405	455.909742	0.14389996	109.939572	0.15039955	114.905254	0.15348653	117.263711	0.14964061	114.325429	0.32655333	249.486747	0.90886736	694.374662
685	17	34,521,273	34,521,839	566	4	0.5968347	455.981708	0.53567151	409.253032	0.71855272	548.974275	0.75436089	576.331723	0.66172557	505.558332	0.61063352	466.524012	0.68224014	521.231471
357	7	109,855,444	109,858,484	2,740	7	0.59920738	457.79444	0.44662842	441.224115	0.10187264	77.8306992	0.16555607	126.484838	0.09968531	76.1595744	0.8345143	637.568929	0.42351282	323.563795
225	5	37,404,544	37,441,150	36,606	12	0.59933352	457.890808	0.68322012	461.62417	0.68323639	521.992660	0.93014332	686.662943	0.73135602	558.755999	0.5591442	427.186171	0.73685419	562.956598
263	5	148,493,203	148,495,504	2,301	12	0.59936975	457.918486	0.37981526	290.178857	0.56822952	434.127356	0.6425099	490.877565	0.57266944	437.519456	0.4598704	351.340986	0.74753138	571.113978
672	17	4,743,771	4,743,805	34	2	0.60079746	459.009262	0.9539634	728.828039	0.09387306	71.7190168	0.50296594	384.265979	0.07829165	59.8148197	0.70721482	540.312122	0.24894024	190.190343
393	8	53,127,775	53,284,994	157,219	33	0.6016096	459.629737	0.35033146	267.653238	0.93135843	711.557837	0.87373284	670.274652	0.82557498	630.739286	0.5386131	411.50041	0.98591965	753.242614
621	14	110,191,067	110,226,475	35,408	15	0.60643119	463.31343	0.09975197	76.2105033	0.19944437	152.375501	0.18545172	141.685113	0.19808264	151.335133	0.82462674	630.014832	0.8887456	679.00164
64	2	38,974,768	38,976,716	1,948	5	0.60837075	464.795249	0.97447863	744.501672	0.91287766	697.43853	0.96125722	734.400515	0.8981474	686.184614	0.56687011	433.088767	0.33298225	254.398436
543	13	17,390,746	17,391,604	858	3	0.6087714	465.101348	0.10345619	79.0405326	0.75616291	577.708464	0.61078151	466.637077	0.83743946	639.803744	0.66485616	507.950105	0.79960036	610.894677
744	19	19,959,182	19,972,780	13,598	11	0.61083869	466.680761	0.71205615	544.010895	0.78089074	596.600528	0.79398287	606.60291	0.7340842	560.840326	0.62836002	480.067052	0.18206484	139.097538
549	13	25,099,130	25,099,212	82	3	0.61142095	467.125609	0.49622753	379.11783	0.60367186	461.205305	0.25156205	192.193406	0.67090793	512.573658	0.80762347	617.024328	0.51188931	391.083433
235	5	58,053,095	58,082,352	29,257	10	0.61219773	467.719065	0.34733005	265.360162	0.05117606	39.098513	0.23072292	176.272315	0.04989578	38.1203793	0.81374561	621.701649	0.40499825	309.41866
759	19	58,755,311	58,769,822	14,511	9	0.61221241	467.73028	0.20056382	153.230757	0.55408661	423.322171	0.28279787	216.05757	0.55982521	427.706462	0.38358054	293.055536	0.20669143	158.118534
550	13	25,542,964	25,545,689	2,725	3	0.61301986	468.347172	0.57568154	439.820699	0.66349441	506.909727	0.24048556	383.73097	0.74400667	568.421099	0.80753385	616.955861	0.48620312	371.459187
566	13	101,744,103	101,745,478	1,375	4	0.61416339	469.220828	0.78289741	666.893625	0.4555305	348.025303	0.56086655	428.502043	0.37312357	285.066409	0.70283564	536.966428	0.40355997	308.319817
92	2	99,858,667	99,872,693	14,026	6	0.61885848	472.807879	0.0319788	24.4318063	0.01925864	14.7136038	0.00570979	4.36227867	0.02608257	19.9270872	0.86391858	660.033792	0.7544575	576.40553
476	11	70,974,623	71,017,152	42,529	41	0.62336617	476.25175	0.12962757	99.0354658	0.70858913	541.362096	0.72995892	557.688617	0.85902515	656.295216	0.50848088	388.479393	0.75815612	579.231278
417	9	83,521,018	83,																

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
66	2	49,051,169	49,070,497	19,328	7	0.64738431	494.601617	0.15452438	118.056623	0.26654693	203.641856	0.21551147	164.650765	0.28179338	215.29014	0.85041332	649.715773	0.57055122	435.901136
296	6	101,279,285	101,286,899	7,614	6	0.64910654	495.917399	0.22893787	174.908532	0.84230131	643.518197	0.71595816	546.992032	0.89240262	681.795604	0.57122566	436.416405	0.75992894	580.585714
351	7	78,961,795	78,971,649	9,854	10	0.65051582	496.994084	0.15559425	118.874008	0.25013107	191.100136	0.345424543	347.043507	0.30482662	232.887536	0.46634725	356.289299	0.11790111	90.0764482
309	6	130,065,363	130,316,515	251,152	113	0.65079375	497.206425	0.23576619	180.125368	0.40481586	309.279316	0.41151126	314.394601	0.41174279	314.57149	0.46810925	357.635465	0.07252869	55.4119198
337	7	32,532,002	32,694,597	162,595	16	0.65159016	497.814885	0.32834674	250.856911	0.54108117	413.386013	0.67232663	513.657546	0.53374313	407.779748	0.54309263	414.922769	0.3212283	245.418424
486	12	11,545,659	11,610,212	64,553	13	0.65277137	498.717324	0.91290054	697.456012	0.77843962	594.727872	0.4756312	744.618236	0.76776427	586.571901	0.63887122	488.097614	0.17249909	31.7899307
596	14	42,076,755	42,953,331	876,576	23	0.6546582	500.158866	0.31740267	242.495642	0.94538274	722.272416	0.6660461	508.859224	0.90027244	687.808141	0.54380436	415.466532	0.70968904	542.202424
442	10	72,164,250	72,231,618	67,368	11	0.65476791	500.24268	0.58422997	446.351695	0.77390187	591.261032	0.89542445	684.104282	0.83920777	641.154738	0.6404438	489.299066	0.34557034	264.015739
195	4	99,656,586	99,659,910	3,324	8	0.65709404	502.019846	0.74658358	570.389852	0.16880786	128.969202	0.09171399	70.0694866	0.20616335	157.508799	0.95791089	731.843923	0.55263985	422.216849
13	1	71,734,705	71,741,575	6,870	8	0.65852011	503.10936	0.60279944	460.538775	0.16727994	112.76121	0.20101702	153.577002	0.1883992	143.936987	0.40927211	312.683891	0.76039733	580.943558
463	11	33,359,372	33,375,067	15,695	4	0.6590566	503.51924	0.30156441	230.395207	0.65324343	499.07798	0.24593633	187.895356	0.7203739	550.365661	0.85881885	656.1376	0.44081554	336.78307
370	7	115,300,845	115,399,384	98,539	22	0.66029461	504.465085	0.20080775	153.417122	0.35463587	270.941803	0.65642142	501.505966	0.40354121	308.305482	0.71299682	544.729574	0.16208331	123.831646
138	3	75,623,409	75,627,481	4,072	7	0.66038543	504.534472	0.41253035	315.173189	0.14410659	110.097434	0.25528409	195.037043	0.13480081	102.987815	0.42851466	327.385202	0.03697837	28.251478
647	15	57,135,310	57,181,123	45,813	11	0.66235608	506.040044	0.70205674	338.136268	0.59205296	450.330598	0.70642434	539.712081	0.53660134	422.951424	0.71323585	544.925943	0.44665657	339.717623
336	7	31,017,542	31,018,654	1,112	15	0.66283335	506.404681	0.59251316	452.680056	0.58407827	446.235801	0.92546624	707.056207	0.60757195	464.184971	0.59010069	450.836928	0.50341281	384.607384
325	6	145,308,959	145,315,910	6,951	3	0.66316806	506.660398	0.76478186	584.293342	0.87329419	667.196758	0.87639019	669.562106	0.91316094	697.654959	0.66606095	508.870567	0.06517043	49.7902117
509	12	85,202,936	85,230,001	27,065	4	0.66515029	508.174822	0.44729292	341.731787	0.61717505	471.521735	0.51012999	389.739314	0.63801836	487.446027	0.51616194	394.34772	0.99926531	743.438693
405	8	99,036,252	99,037,492	1,240	6	0.66608861	508.891699	0.37936617	289.835751	0.4747525	362.710908	0.43559347	332.79341	0.51419054	392.841573	0.49138786	375.420324	0.91604096	699.855292
523	12	115,034,479	115,040,077	5,598	8	0.66737774	509.87633	0.79278553	605.688147	0.61338908	468.629257	0.54973485	419.997427	0.58159537	444.338866	0.75006578	573.050257	0.85320009	651.844867
498	12	57,366,059	57,387,621	21,562	8	0.66864602	510.841115	0.68062957	520.000989	0.6246116	477.203261	0.57721435	440.991765	0.64532866	493.031099	0.77288262	590.482323	0.43070721	329.060307
737	19	9,210,938	9,398,238	187,300	34	0.67332176	514.417828	0.72315031	552.486837	0.59991376	458.334113	0.44403147	339.240045	0.54617057	417.274315	0.78397825	598.959385	0.97777051	747.016669
249	5	89,769,116	89,769,508	392	3	0.6734966	514.51406	0.72849592	212.770881	0.1111012	84.8831192	0.73372717	258.019384	0.112944	86.289219	0.48377623	369.605036	0.14660412	111.575648
261	5	139,004,112	139,005,838	1,726	8	0.67492666	515.643966	0.19676495	150.328424	0.5010898	382.832611	0.2477574	189.286654	0.54792569	418.61523	0.44522984	340.155594	0.13486448	103.036463
745	19	20,020,406	20,021,069	663	4	0.67625219	516.656672	0.55911841	427.166462	0.56959653	435.171746	0.66451157	507.686841	0.55077807	420.794443	0.72120009	550.996869	0.23091518	176.419196
292	6	82,601,443	82,602,661	1,218	9	0.67640797	516.775689	0.81771194	624.731925	0.72758129	555.872102	0.85752968	655.152676	0.70698391	540.135706	0.61810705	472.233784	0.50500673	385.825139
340	7	38,961,668	38,997,301	35,633	20	0.6768141	517.085974	0.42122059	321.812531	0.72619717	554.814641	0.63160932	482.54952	0.71052523	542.841279	0.74648782	570.316694	0.85645495	654.331585
165	3	116,765,381	116,765,393	12	3	0.67708428	517.292389	0.37465251	286.234521	0.4575628	349.577983	0.39517919	301.916903	0.49238619	376.183047	0.81018475	618.98115	0.77320125	590.725752
536	13	12,573,915	12,574,894	979	3	0.6775949	517.682506	0.12345355	94.3185105	0.61587668	470.529784	0.84643886	646.67929	0.50862413	388.588835	0.620481	474.07482	0.01606659	12.2748741
73	2	71,656,510	71,687,549	31,039	67	0.67788976	517.907775	0.54777729	418.501851	0.41477053	316.884683	0.49089672	375.045096	0.44704285	341.540741	0.50489925	385.74303	0.05420893	41.4156209
462	11	33,113,226	33,113,486	260	5	0.67873815	518.555949	0.28600675	218.509154	0.70425056	538.047429	0.24397523	186.397076	0.78708514	601.333049	0.87834476	671.055395	0.50559701	386.276119
167	3	122,728,997	122,729,137	140	3	0.67918402	518.896594	0.31552823	241.063569	0.63240858	483.160156	0.72485475	553.789028	0.63917085	488.326528	0.57932868	442.60711	0.90023435	687.779047
274	6	67,506,071	67,662,275	156,204	15	0.67922843	518.930517	0.82114758	627.356752	0.60566204	462.725796	0.73372411	560.565221	0.58657489	448.143219	0.57751201	441.219174	0.45554434	348.035876
115	2	159,730,233	159,749,061	18,828	7	0.67942048	519.077246	0.3645042	234.128124	0.23406177	178.823194	0.31062394	237.091616	0.23010057	175.796834	0.46611374	356.110897	0.16751207	127.979218
720	18	43,568,830	43,609,197	40,367	17	0.67949556	519.134609	0.16716743	127.71592	0.98985753	756.251152	0.46023517	351.61967	0.88297449	674.592509	0.79369165	606.380417	0.67458593	515.383647
445	10	99,340,365	99,364,548	24,183	8	0.67985286	519.407586	0.75457826	576.497789	0.46321945	353.899662	0.8527358	651.490149	0.40275275	307.703099	0.69597675	531.726237	0.53711516	410.35598
326	7	5,363,956	5,499,501	135,545	21	0.68012025	519.611868	0.89630383	684.776122	0.93479511	714.183466	0.85422361	652.62684	0.94305459	720.493703	0.69169567	528.455488	0.88429829	675.603897
667	16	72,099,380	72,103,464	4,084	5	0.68070737	520.060428	0.55463751	423.743059	0.96766142	739.293327	0.66502631	508.080099	0.98498712	752.530156	0.75239208	574.827546	0.12538347	95.7929708
150	3	81,739,495	81,746,183	6,688	6	0.68253876	521.459616	0.59134342	451.786373	0.75823696	579.293034	0.71041677	542.758416	0.67799757	517.990143	0.71431321	545.735294	0.47354337	361.787136
449	10	111,372,429	111,375,473	3,044	5	0.6867139	524.64942	0.94263948	720.176566	0.66300906	506.538925	0.80245121	613.072722	0.64595567	493.51013	0.72126841	551.049066	0.86654733	662.03941
194	4	98,039,179	98,039,527	348	2	0.68703917	525.897922	0.47800589	365.196499	0.35477131	271.04528	0.50746046	387.699798	0.33567002	256.451892	0.77580985	592.718728	0.24017346	183.492525
675	17	13,259,210	13,301,725	42,515	15	0.6882698	525.838129	0.3336645	254.919681	0.63349771	483.992248	0.88875232	679.006775	0.68601093	493.552353	0.68401093	493.552353	0.94043259	752.024597
485	11	121,303,097	121,310,264	7,167	6	0.68880342	526.245811	0.89341261	682.567233	0.3804387	290.655164	0.37484093	286.37847	0.35520284	271.374972	0.51150324	390.788472	0.96017658	733.574909
458	11	22,235,060	22,253,961	18,901	8	0.6904535	527.506472	0.11517201	87.9914126	0.48789746	372.753659	0.46976478	358.900291	0.54569539	417.579011	0.5248974	401.021615	0.72397268	553.115127
728	18	72,536,401	72																

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
748	19	33,386,117	33,438,568	52,451	10	0.70503711	538.648352	0.97886594	747.853578	0.8395253	641.39733	0.59634686	455.609	0.79272934	605.645216	0.82457302	629.973786	0.82488076	630.208903
611	14	84,107,263	84,127,489	20,226	7	0.70537641	538.907578	0.767546825	586.411313	0.86746825	662.745741	0.51427812	392.90848	0.84405249	644.856103	0.55974426	427.644612	0.20540977	156.933066
378	7	126,424,614	126,433,784	9,170	7	0.70618474	539.525145	0.79718371	609.048356	0.55023484	420.379419	0.7491012	572.313315	0.5893603	450.271267	0.59495176	454.543145	0.55963067	427.55783
310	6	130,707,413	130,787,067	79,654	17	0.70704674	540.183712	0.40234139	307.388823	0.27139071	207.342506	0.47813212	365.292937	0.25535414	195.09056	0.54553239	416.78675	0.04886647	37.3339849
197	4	105,739,813	105,741,093	1,280	4	0.70772376	540.700955	0.79464552	607.109177	0.76269362	582.697924	0.92451348	706.328246	0.69891433	533.970551	0.6737969	514.780829	0.07165571	54.7464937
275	6	67,876,359	68,253,141	376,782	109	0.70794892	540.872972	0.26658359	203.669859	0.47323585	361.552186	0.43681207	333.724418	0.51831688	395.9941	0.53242913	406.75854	0.01278983	9.77143231
541	13	17,090,987	17,129,337	38,350	12	0.70858571	541.359483	0.01138224	8.69603438	0.37965298	290.054878	0.17657898	134.90634	0.43414495	331.686739	0.96076626	734.025425	0.90554671	691.83769
130	3	36,939,970	36,945,279	5,309	13	0.71093956	543.157826	0.1472715	112.515425	0.3231865	246.914484	0.47483225	362.771839	0.33852696	258.6346	0.54856326	419.102331	0.81934297	625.978026
248	5	88,583,061	88,583,112	51	4	0.71171992	543.754022	0.57164947	436.740192	0.29012084	221.652325	0.62764328	479.519469	0.27726682	211.831853	0.59596311	455.315818	0.48801878	372.846348
622	14	111,421,090	111,489,633	68,543	8	0.71626829	547.22897	0.60569138	462.748212	0.90531697	691.662168	0.93292211	712.752495	0.73791937	667.576606	0.71929369	549.540382	0.01459716	11.552234
425	10	9,122,767	9,150,853	28,086	12	0.71703774	547.816831	0.17955242	137.178047	0.70872328	541.464586	0.48909167	373.666038	0.72922337	557.126658	0.56098068	428.58924	0.63669174	486.432492
508	12	77,397,670	77,403,999	6,329	18	0.71949641	549.695257	0.20774282	158.715518	0.2768561	211.518059	0.65850774	503.099911	0.29159996	222.782372	0.60069344	458.929788	0.15413215	117.756959
230	5	56,051,344	56,105,526	54,182	22	0.72036146	550.356155	0.1672681	127.792825	0.10600142	80.9850833	0.14265527	108.988623	0.10721088	81.9091097	0.99201294	757.897888	0.13700891	104.674805
102	2	141,299,494	141,324,822	25,328	10	0.72041837	550.396937	0.22962849	175.436169	0.53861649	411.503001	0.83097761	409.649441	0.44636496	314.022824	0.80444386	614.595107	0.0234374	17.9061772
426	10	12,334,301	12,334,411	110	3	0.7213074	551.078856	0.61229312	467.79194	0.38949539	297.574478	0.90662156	692.658871	0.39882544	304.702635	0.71950932	549.705118	0.95664831	730.879309
114	2	159,276,790	159,289,145	12,355	7	0.72388221	553.046009	0.71959972	549.774189	0.43607748	333.163197	0.41034813	313.505969	0.39619669	302.694271	0.84851603	648.266247	0.22815476	174.310239
223	5	24,721,251	24,722,132	881	2	0.7268521	555.315002	0.71679789	547.633591	0.31072316	237.392491	0.15378356	117.490643	0.38306514	292.661768	0.98347227	751.372815	0.56959547	435.170942
673	17	6,255,961	6,909,183	653,222	59	0.72697157	555.40628	0.77094928	589.005249	0.71162481	543.681353	0.83097761	634.866893	0.71447464	545.858626	0.73659298	562.757033	0.4536199	346.565603
578	13	118,327,963	118,338,845	10,882	6	0.72798086	556.177374	0.21011001	160.524049	0.12983336	99.192688	0.0460708	35.1980918	0.1468498	112.19325	0.35810275	273.590505	0.77723979	593.811199
540	13	16,433,591	16,468,016	34,425	6	0.72822085	556.360729	0.56780962	433.80655	0.94373186	721.011143	0.85482788	653.0885	0.93533152	714.59328	0.67950601	519.142591	0.38292525	292.554895
655	15	68,444,814	68,498,293	53,479	9	0.73361687	560.483287	0.22085602	168.735526	0.3995654	305.267962	0.42792815	326.93711	0.41786669	319.250149	0.56475518	431.472958	0.92197616	704.389785
187	4	57,769,227	57,769,969	742	10	0.73377281	560.602428	0.52060398	397.741442	0.39094505	298.682015	0.45257574	345.767865	0.71339985	318.893488	0.55114232	421.072731	0.51633859	394.482681
534	12	117,915,807	117,945,526	29,719	12	0.73552234	561.939069	0.69571432	531.525738	0.72148864	551.21732	0.51571912	394.009404	0.70339077	537.39055	0.59507369	454.636303	0.45751126	349.5386
697	17	49,818,440	49,818,487	47	2	0.73567099	562.052633	0.70795744	540.879482	0.69639529	532.046	0.73291233	559.94502	0.72029291	550.303781	0.78505323	599.780667	0.00929577	7.10196715
350	7	60,618,457	60,731,880	113,423	23	0.73958402	565.042191	0.92165135	704.141632	0.62955703	480.981568	0.75949316	580.252778	0.61170614	467.343488	0.76915885	587.637362	0.11104105	84.8353603
434	10	53,563,604	53,572,451	8,847	6	0.7402004	565.513108	0.22514773	172.012863	0.41128916	314.224916	0.23377117	178.601174	0.46764142	357.278044	0.95541688	729.938493	0.43877253	335.222215
372	7	115,511,458	115,540,995	29,537	9	0.74034487	565.623483	0.17796853	135.96796	0.38125769	291.280873	0.68434906	522.842685	0.43674816	333.675596	0.79627296	608.352541	0.13895976	106.165254
581	14	11,851,066	11,874,015	22,949	9	0.74237778	567.176622	0.53512857	408.838226	0.70239853	536.632476	0.80884311	617.956134	0.67661825	510.060346	0.74860176	571.931747	0.87443304	668.066842
464	11	33,520,397	33,534,591	14,194	17	0.74520997	569.340414	0.09205996	70.3338087	0.53837809	411.32086	0.1662323	127.001474	0.60113774	459.269236	0.99087643	757.029591	0.87475329	334.453512
233	5	57,523,177	57,665,253	142,076	34	0.7462954	570.169685	0.20049306	153.176695	0.0647476	49.4671635	0.15313101	116.992095	0.06744571	51.5285246	0.97812059	747.284134	0.48980452	374.210651
690	17	36,167,127	36,248,347	81,220	71	0.74764237	571.198771	0.19093195	145.872012	0.52254453	399.22402	0.42878584	327.592384	0.52326974	399.778084	0.57634019	440.323902	0.36345163	277.677045
620	14	110,067,383	110,117,892	50,509	23	0.74834412	571.73491	0.0807397	61.6851281	0.26239347	200.468609	0.21153411	161.612063	0.27131635	207.28569	0.97777163	747.017526	0.84642445	696.668277
172	3	138,263,100	138,275,710	12,610	5	0.74868684	571.96746	0.48589614	646.264653	0.17049712	130.259802	0.22404336	171.16913	0.1624661	124.124101	0.49375538	377.22911	0.13044558	94.6604208
471	11	48,851,297	48,886,868	35,571	11	0.75066607	573.50888	0.91939576	702.418358	0.73569456	562.070648	0.71394322	545.452624	0.69643216	532.074172	0.81018376	618.98039	0.78270449	597.986234
89	2	95,601,049	95,660,090	59,041	14	0.75349786	575.672367	0.23334906	178.278684	0.50730564	387.581507	0.40633237	310.437933	0.54882603	419.303086	0.90886212	694.370659	0.57831781	441.834807
279	6	69,017,899	69,193,441	175,542	21	0.75583523	577.458118	0.4773758	364.715112	0.47689719	364.349452	0.47626048	363.863003	0.51096163	390.374684	0.58467921	446.694914	0.00385261	2.94339271
236	5	58,311,716	58,332,254	20,538	11	0.756134	577.686374	0.45813238	350.013139	0.23476682	179.36185	0.69331579	529.693267	0.2411954	184.273289	0.64777184	494.897682	0.59970334	458.173351
322	6	143,508,240	143,525,815	17,575	8	0.75642097	577.905621	0.16755248	128.010091	0.67579122	516.30449	0.95080107	726.412015	0.66765413	510.087757	0.74845162	571.817041	0.20043952	153.135794
110	2	152,838,130	152,838,140	10	3	0.75728155	578.563106	0.03347904	25.5779853	0.58999437	450.755698	0.76717476	586.121517	0.54592553	417.087105	0.6545736	500.094233	0.01969902	15.050054
652	15	59,995,445	60,044,261	48,816	12	0.75838192	579.403788	0.63851266	487.823672	0.58807588	449.289976	0.81166962	561.115588	0.61543893	470.195345	0.75914926	579.990036	0.96277869	735.562921
314	6	139,364,857	139,412,174	47,317	19	0.76262873	582.648347	0.83303829	636.441254	0.59855331	457.294729	0.32936392	251.634038	0.7210861	550.909782	0.55505362	424.060963	0.27432564	209.584788
376	7	116,559,867	116,581,880	22,013	9	0.76299198	582.925876	0.11811335	90.2386015	0.19132535	146.172567	0.3923103	299.725071	0.23008925	175.788183	0.57483781	439.176086	0.20980131	160.2882
343	7	50,914,593	50,919,381	4,788	12	0.76320296	583.087058	0.33250451	254.033446	0.23094209	176.439753	0.36288655	277.245324	0.25713064	196.447809	0.92242063	704.729362	0.72053654	550.48992
629	15	20,002,200	20,069,823	67,623	20	0.764672													

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
557	13	70,109,094	70,129,981	20,887	9	0.77518729	592.243091	0.94476764	721.80234	0.37998521	290.308701	0.37070497	283.218597	0.36596859	279.599999	0.94482161	721.843708	0.14093247	107.67241
287	6	75,304,536	75,338,698	34,162	33	0.77555702	592.525561	0.61416477	469.221887	0.7866087	600.96905	0.92748277	708.596839	0.84837384	648.130112	0.77406184	591.383246	0.60169668	459.696262
500	12	63,970,065	63,970,552	487	4	0.77595541	592.829932	0.27998823	213.911005	0.44922137	343.205126	0.92515522	706.818591	0.40874036	312.277634	0.77601013	592.871742	0.24219235	185.034957
683	17	33,066,096	33,073,239	7,143	22	0.77645818	593.214048	0.33800825	258.238306	0.46640822	356.335877	0.66106977	505.057308	0.46410545	354.576566	0.66976052	511.697041	0.55738926	425.845393
67	2	51,610,260	51,614,420	4,160	4	0.77885839	595.047812	0.6059575	464.968489	0.95581032	730.239087	0.86429554	660.321795	0.98194206	750.203737	0.79207655	605.146485	0.45660661	348.847451
168	3	133,030,667	133,030,900	233	4	0.78165704	597.185979	0.80831843	613.597758	0.89466549	683.524431	0.71740017	548.093728	0.91699425	700.583607	0.69603793	531.772982	0.46033018	351.69226
176	3	142,821,258	142,823,735	2,477	8	0.78440798	599.287699	0.35281584	269.551301	0.72490439	553.826953	0.81392241	621.836723	0.737858	563.723508	0.70017808	534.936052	0.96533012	737.512211
468	11	45,592,572	45,593,461	889	3	0.78490915	599.670594	0.92778495	708.827699	0.41695925	318.556866	0.50632256	386.830434	0.37964822	290.05124	0.90338313	690.184713	0.62674901	478.836242
83	2	89,760,829	89,783,357	22,528	18	0.78554746	600.158262	0.90992208	695.180472	0.52765552	403.12882	0.95404158	728.887767	0.48974161	374.162589	0.78881565	602.655155	0.68893342	526.345136
591	14	37,935,152	37,946,976	11,824	22	0.78605682	600.547413	0.62670409	478.801927	0.60865634	639.358243	0.61142468	619.928453	0.86580963	661.47856	0.71190944	543.898816	0.02581622	24.3075948
200	4	112,348,832	113,968,233	1,619,401	160	0.7877286	601.824648	0.3614431	276.142525	0.95310197	728.169908	0.66911862	511.206622	0.92943051	710.084909	0.68131433	520.52415	0.6982011	533.425642
756	19	50,825,237	50,868,798	43,561	17	0.78893263	602.744526	0.9204815	703.247869	0.69578211	531.577533	0.5829358	445.362953	0.75975501	580.452829	0.8839068	675.304793	0.74949359	572.613101
252	5	94,161,655	96,262,456	2,100,801	10	0.78951981	603.193133	0.71543645	546.593445	0.84478769	645.417796	0.54865196	419.170101	0.90294983	689.853667	0.63521613	485.305124	0.59105524	298.766204
666	6	70,097,687	70,137,600	39,913	11	0.79217117	605.218776	0.89457442	683.45486	0.67125433	512.838311	0.58482045	729.482825	0.71390792	545.425649	0.75882296	579.704742	0.35649329	425.160872
703	17	69,208,113	69,208,347	234	3	0.79295657	605.818823	0.08928739	68.2155682	0.08389345	64.0945964	0.16594284	126.780332	0.08134855	62.1502923	0.52036487	397.558758	0.47151097	360.23438
553	13	51,435,014	51,439,412	4,398	4	0.79418715	606.758895	0.43591999	333.042871	0.62283339	475.844713	0.43772699	334.423419	0.61116328	466.92875	0.63179624	482.692328	0.65927286	503.684469
345	7	54,813,251	54,974,058	160,807	21	0.79455495	607.03998	0.60500208	462.221591	0.78642531	600.828938	0.70617152	539.515045	0.88555586	676.56468	0.70426654	538.059638	0.92561487	707.169757
137	3	75,378,209	75,414,973	36,764	15	0.79486838	607.279446	0.89144889	681.097523	0.60865923	465.015697	0.60889373	465.19481	0.56501883	431.674383	0.67574881	516.27209	0.02584604	19.7463773
224	5	24,735,376	24,752,262	16,886	8	0.7956309	607.862008	0.33151021	253.273803	0.20559241	157.0726	0.44193729	337.640091	0.18876028	144.212856	0.61153833	467.215287	0.6204611	474.032283
209	5	3,884,799	3,922,844	38,045	15	0.79578584	607.980379	0.8219594	627.97698	0.46085783	352.095385	0.96976598	740.90121	0.51299267	391.926402	0.7701251	588.375579	0.37026752	282.884387
502	12	66,669,557	66,671,717	2,160	5	0.79677936	608.73943	0.82832251	632.838395	0.43087377	329.187558	0.61659084	471.075403	0.44378142	339.049002	0.69129372	528.148404	0.65879606	593.320187
678	17	23,102,933	23,283,132	180,199	16	0.80001774	611.213553	0.4055327	309.82698	0.31673202	241.983264	0.41827634	342.827914	0.31446753	240.253194	0.9426843	720.210805	0.65437961	499.946023
321	6	143,197,769	143,206,183	8,414	12	0.80065001	611.696608	0.17659665	134.919837	0.949973	725.779376	0.89485086	683.666057	0.96300627	735.736789	0.7978138	609.529744	0.60339656	460.99497
173	3	141,381,217	141,384,341	3,124	8	0.80099569	611.960705	0.71704848	547.825036	0.38574036	294.705632	0.98514454	752.650431	0.37923283	289.733883	0.77418404	591.476609	0.75147117	574.123971
16	1	78,229,021	78,245,671	16,650	10	0.80331592	613.733361	0.43276474	330.632259	0.45675138	348.958052	0.67587534	516.368762	0.47193981	360.562015	0.89030676	680.194368	0.49952724	381.638812
752	19	35,148,473	35,148,919	446	5	0.80726256	616.748593	0.78953987	603.208461	0.65917193	503.607357	0.55234055	421.98818	0.60007434	458.456799	0.94018756	718.303297	0.31757588	242.627971
280	6	69,452,717	69,650,773	198,056	45	0.80730861	616.783782	0.47558023	363.343298	0.42689159	326.145174	0.48204394	368.281569	0.45641208	348.69883	0.64116042	489.846561	0.01010077	7.71698555
726	18	70,602,756	70,623,157	20,401	18	0.80745709	616.897218	0.88202408	673.866395	0.71934966	549.582681	0.99236639	758.167921	0.74130861	566.359774	0.79934565	610.700075	0.48471903	370.325337
403	8	98,500,773	98,502,741	1,968	6	0.80824512	617.499725	0.35883279	274.148249	0.81981931	625.868502	0.50581034	386.439098	0.61373528	621.418712	0.92954626	710.17334	0.34225567	261.483331
53	1	186,078,558	186,110,754	32,196	11	0.80872738	617.867721	0.12831041	98.0291555	0.44248675	338.059877	0.77548011	592.466802	0.47511726	362.989583	0.75676986	578.172175	0.45049305	344.176691
144	3	77,485,805	77,554,692	68,887	15	0.80943596	618.409073	0.47485755	362.791168	0.16283325	124.404599	0.19851085	151.662286	0.15063308	115.08367	0.95057948	726.242722	0.04217587	32.2223683
71	2	65,188,132	65,192,936	4,804	7	0.81187244	620.270547	0.68069764	520.052995	0.89123019	680.899866	0.69286171	529.346346	0.80696318	616.519871	0.85617314	654.11628	0.46923675	358.496881
495	12	49,411,350	49,474,614	63,264	14	0.81464868	622.39159	0.84791796	372.769322	0.50170229	383.300552	0.40295777	328.745965	0.58589145	427.757067	0.62757197	479.464987	0.85859214	655.964397
514	12	96,196,196	96,223,173	26,977	11	0.81491332	622.593775	0.88417285	675.50806	0.84602251	646.361195	0.9918016	757.736424	0.78913007	602.895372	0.81539598	622.962533	0.0020223	1.54503708
95	2	104,754,730	104,755,713	983	6	0.81603685	623.452153	0.51759366	395.441557	0.20190497	154.255395	0.10375152	79.2661592	0.20945203	160.021348	0.86963191	664.398778	0.89804749	686.108285
758	19	52,346,092	52,353,968	7,876	6	0.81610876	623.507091	0.80790905	617.242516	0.45663271	348.867391	0.48370462	369.550327	0.46959966	358.774143	0.63849471	487.809955	0.92732486	708.476196
377	7	117,633,683	117,650,114	16,431	5	0.81635975	623.688852	0.08776981	67.056132	0.09741818	74.427487	0.2869065	219.196562	0.12148128	92.8117008	0.58852869	449.635921	0.16086454	120.900505
460	11	29,170,076	29,217,510	47,434	9	0.81682294	624.052729	0.18115632	138.40343	0.19882594	151.903018	0.04469641	34.1480604	0.21498666	164.249805	0.4440653	339.265893	0.81812798	625.049775
755	19	44,222,802	44,223,055	253	4	0.81711241	624.273885	0.62710384	479.107334	0.82506737	630.351467	0.80865104	617.809398	0.85221568	651.092778	0.7267898	555.26741	0.16731332	127.827442
551	13	26,062,769	26,097,780	35,011	6	0.81739665	624.491041	0.52917475	404.289513	0.96049877	733.821057	0.57500363	439.30277	0.90777688	693.541539	0.69040089	527.466282	0.5141888	413.697445
251	5	93,157,395	93,174,537	17,142	3	0.81769774	624.721072	0.76327005	583.138316	0.88105343	673.124822	0.90934827	694.742077	0.89621867	684.7141064	0.82846614	632.948131	0.21032936	160.691632
455	10	129,849,758	129,883,067	33,309	10	0.81808097	625.013859	0.36044116	275.37705	0.56019231	427.986927	0.79263836	605.575706	0.51018469	389.781106	0.73487485	561.444389	0.14372427	109.805345
706	17	72,689,319	72,703,908	14,589	13	0.81898713	626.401407	0.89591345	684.477878	0.82655256	631.486155	0.79031226	603.798567	0.81791713	666.186115	0.85607521	654.041462	0.53798685	411.021954
579	14	3,200																	

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
428	10	15,385,518	15,432,971	47,453	8	0.83453712	637.586359	0.24490771	187.109494	0.68244911	521.391122	0.74814733	571.584556	0.6431604	491.374544	0.76677427	585.815544	0.36327064	277.538772
156	3	102,697,496	102,739,985	42,489	54	0.83692796	639.41296	0.05034026	38.4599574	0.03150818	24.0722493	0.00505567	3.86253174	0.04057776	31.0014105	0.3239534	247.500396	0.80258563	613.175425
141	3	76,770,745	76,819,643	48,898	10	0.83760899	639.93327	0.30742051	234.869273	0.12081836	92.3052244	0.18399042	104.568677	0.11081852	84.6653487	0.90848166	694.079986	0.02276368	17.3914484
121	3	8,555,413	8,556,638	1,225	7	0.83771776	640.016371	0.14901568	113.847983	0.95383679	728.731305	0.84897516	648.617021	0.98894767	755.556024	0.78694071	601.222701	0.834536	637.585501
299	6	104,527,703	104,528,363	660	2	0.83780635	640.084051	0.00809134	6.18178119	0.02272891	17.364884	0.09315792	71.172651	0.02988544	22.8324777	0.83799664	640.22943	0.9895163	755.990456
627	15	18,713,339	18,756,200	42,861	14	0.83830181	640.462586	0.55203163	421.752167	0.82790669	632.52071	0.62665933	478.767732	0.79077307	604.150628	0.72590937	554.594761	0.35778227	273.345651
91	2	98,502,651	98,504,185	1,534	7	0.84255618	643.712921	0.60255544	460.352355	0.630007	481.325352	0.77850205	594.775569	0.58562651	447.418655	0.75849698	579.491691	0.42565132	325.197605
142	3	76,953,923	76,971,769	17,846	6	0.84257722	643.729	0.59351978	453.449115	0.19486228	148.874786	0.30310219	231.570074	0.18328472	140.029527	0.96448495	736.866503	0.02085228	15.9311406
12	1	59,336,832	59,337,495	663	4	0.8428542	643.940607	0.36685384	280.276331	0.25915208	197.992191	0.36742964	280.716245	0.26914824	205.629257	0.99219831	758.039511	0.06357366	48.5702765
369	7	115,270,034	115,271,579	1,545	5	0.8469873	647.098299	0.5310594	252.923739	0.51932838	396.766886	0.9685074	739.93965	0.58454206	446.590137	0.83497	637.917078	0.19444282	148.554315
754	19	44,133,553	44,133,654	101	3	0.84722393	647.279083	0.57330609	438.005851	0.80603803	615.813055	0.74002955	565.382574	0.82865489	633.092336	0.74226083	567.087277	0.14971017	114.378572
501	12	64,045,150	64,099,191	54,041	11	0.84733672	647.365251	0.30070052	229.735197	0.40676847	310.771109	0.92597798	707.447177	0.38976635	297.781494	0.80696057	616.517878	0.20800542	158.916139
392	8	52,870,886	52,923,754	52,868	16	0.84815693	647.991985	0.95363986	728.580853	0.65878732	503.313511	0.92019557	703.029412	0.56998563	435.469019	0.87640088	669.570275	0.6701986	512.031734
702	17	54,423,215	54,423,500	285	3	0.84963814	649.123539	0.64883597	495.71068	0.13887992	106.104258	0.52038155	399.634304	0.32093885	106.225679	0.70781541	540.709724	0.42504559	324.734829
389	8	50,456,466	50,456,470	4	3	0.84964722	649.130473	0.24351498	186.045441	0.16969473	129.646772	0.15109251	115.434678	0.19812723	151.369206	0.85719601	654.897754	0.18176023	138.864816
145	3	77,660,467	77,714,260	53,793	12	0.8498231	649.264852	0.75300261	575.293998	0.3934809	300.619411	0.4389793	335.380185	0.38306552	292.662056	0.98792269	754.772939	0.01902917	14.5382849
147	3	79,891,997	79,907,423	15,426	4	0.85562281	653.695823	0.8593645	656.554475	0.34207978	261.348952	0.34570408	264.117915	0.33573778	256.503662	0.96466237	737.002053	0.00036163	0.27628686
278	6	68,860,428	68,900,983	40,555	15	0.85569358	653.749899	0.37483626	286.374905	0.46044383	351.779088	0.48247564	368.611392	0.48966264	374.102255	0.69850597	533.658561	0.00105703	0.80756846
663	16	44,159,384	44,159,604	220	3	0.85974546	656.845528	0.40446699	309.012783	0.77931889	595.399632	0.92738576	708.522723	0.76560888	584.925182	0.81864296	625.443221	0.55895848	427.044276
628	15	19,835,128	19,869,085	33,957	5	0.86056333	657.47038	0.18404898	140.61342	0.18532414	141.587641	0.08590805	65.633747	0.20445297	156.202068	0.78018208	596.059108	0.32787341	250.495286
266	6	15,857,424	15,864,027	6,603	8	0.86109831	657.879106	0.46752866	357.191896	0.42336874	323.453717	0.1018847	466.183992	0.42448832	324.316719	0.74846496	571.827227	0.70038114	535.091192
181	4	12,377,058	12,377,306	248	3	0.86222844	658.742528	0.04118991	31.4690881	0.08071929	61.6695407	0.05275294	40.3032448	0.08780893	67.0860204	0.75288476	575.203959	0.28235518	215.719359
25	1	124,786,026	124,822,324	36,298	17	0.86351454	659.725111	0.59337316	453.337094	0.54429256	415.839516	0.67468148	515.456647	0.51622525	394.396093	0.75205881	574.572929	0.95392885	728.801638
619	14	108,869,805	109,052,336	182,531	21	0.86454607	660.513194	0.19045083	145.504431	0.44270827	338.229115	0.46529337	355.484131	0.43669251	333.63308	0.99745115	762.052679	0.8859452	676.862132
603	14	72,957,542	72,959,141	1,599	7	0.86485253	660.747335	0.48395795	369.743872	0.44217758	337.823672	0.09791725	74.8087771	0.41361868	316.004672	0.78602393	600.522284	0.99276913	758.475618
24	1	118,847,466	118,897,095	49,629	12	0.86587292	661.526911	0.46634944	356.290972	0.857591	655.199525	0.47884167	365.835035	0.84155518	642.948155	0.71136781	543.485009	0.47511299	362.986323
723	18	57,820,265	57,902,448	82,183	39	0.86595299	661.588081	0.94028818	718.380173	0.75414471	576.166555	0.72353979	552.784403	0.69155786	528.350205	0.79413077	606.715909	0.70267411	536.843021
124	3	16,902,891	16,932,841	29,950	7	0.8660593	661.669303	0.75468667	576.580613	0.78647022	600.86325	0.99389582	759.336405	0.89347791	682.617123	0.88567044	676.652219	0.78761034	601.734298
384	8	28,608,199	28,691,596	83,397	34	0.86651239	662.015466	0.13668114	104.424391	0.06961624	53.1868048	0.12136809	161.485222	0.06148812	46.9769252	0.58757462	448.907013	0.46163505	300.849176
469	11	46,482,581	46,488,864	6,283	4	0.86755472	662.811805	0.46902779	358.337229	0.45973304	351.236039	0.70174522	536.133346	0.44830185	342.50261	0.93923524	717.575723	0.66551855	508.456174
573	13	111,250,585	111,303,484	52,899	9	0.86840285	663.459778	0.37542321	286.82333	0.97547103	745.259865	0.32531296	248.539103	0.88596794	676.879504	0.66797225	510.330803	0.57355571	438.196565
348	7	55,052,585	55,194,801	142,216	47	0.87564728	668.994523	0.87283154	666.8433	0.65989308	504.158317	0.69666755	532.254159	0.75475252	576.630927	0.93626306	715.304979	0.9679851	761.554059
487	12	15,689,452	15,691,335	1,883	4	0.87732253	670.274416	0.62550239	477.883827	0.87703206	74.733064	0.63542924	638.646092	0.97597259	745.643059	0.81706302	624.236151	0.43489856	362.262501
443	10	73,046,724	73,090,099	43,375	9	0.87843169	671.121814	0.59342922	453.379922	0.83515276	638.056706	0.75239334	574.828509	0.7768423	593.507518	0.94719224	723.654872	0.73248579	559.619142
291	6	79,445,527	79,447,101	1,574	5	0.88028302	672.536231	0.58931975	450.240287	0.15977766	122.07013	0.27971102	213.699223	0.2194503	167.660032	0.88635445	677.174798	0.36004693	275.075857
52	1	183,060,113	183,072,518	12,405	24	0.88041066	672.633475	0.06728988	51.4094712	0.4344195	331.896501	0.36405818	278.140453	0.4643249	354.744221	0.95072621	726.354828	0.20141731	153.882828
503	12	68,607,278	68,622,771	15,493	7	0.8807107	672.862974	0.96140791	734.515645	0.5785825	442.037032	0.70478785	538.457917	0.59625437	455.538341	0.82148851	627.617222	0.60867199	465.025401
290	6	75,938,517	76,017,583	79,066	26	0.88313312	674.713706	0.5273327	402.88218	0.6053558	462.491834	0.8723497	666.47517	0.65307196	498.946979	0.91164346	696.495605	0.49177505	375.716136
371	7	115,400,336	115,401,546	1,210	6	0.88473921	675.940753	0.33450207	255.559582	0.5433674	415.132692	0.86843597	663.485079	0.62913628	480.660121	0.91354986	697.952097	0.14679614	112.152253
175	3	142,632,626	142,644,531	11,905	6	0.88531846	676.383302	0.87701135	670.043132	0.3911135	298.810713	0.49771098	380.251189	0.37707732	288.087073	0.99972554	763.790312	0.46140805	352.515751
383	8	28,519,836	28,531,880	12,044	14	0.88744032	678.004408	0.41780333	319.201742	0.36642622	279.949636	0.91707322	700.643943	0.30654542	234.200704	0.85260872	651.393062	0.91631706	700.066231
404	8	99,022,008	99,032,230	10,222	9	0.8914488	681.066882	0.99632946	761.19571	0.59919661	457.786208	0.51792908	395.697814	0.6538054	499.507325	0.98385762	751.66772	0.83873731	640.795303
605	14	74,318,558	74,331,581	13,023	7	0.89688627	685.221107	0.61139492	467.105721	0.04154831	31.7429094	0.12606646	96.3147741	0.04592582	35.0873258	0.58280641	445.264094	0.46596032	355.993686
179	4	6,095,005	6,093,383	828	2	0.89720129	685.461785	0.57											

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
203	4	143,539,831	143,555,553	15,722	14	0.90945352	694.822487	0.76116583	581.530692	0.09495964	72.5491662	0.31274185	238.934772	0.09310129	71.1293833	0.8798388	672.196847	0.02634228	20.1255016
148	3	80,082,499	80,104,957	22,458	7	0.91023365	695.418511	0.90379783	731.451943	0.33662451	257.181123	0.40563023	309.901943	0.32922068	251.524599	0.93118658	711.426547	0.00149547	1.1425369
421	9	114,756,414	114,766,671	10,257	11	0.91217125	696.898834	0.92318998	152.237144	0.42193432	322.357819	0.18903347	144.421571	0.4249648	324.673105	0.82542957	606.62819	0.32098197	24.230222
379	7	126,590,644	126,592,641	1,997	7	0.91474365	698.864145	0.96847489	739.914819	0.30485758	232.911192	0.49875548	381.049186	0.30744492	234.887922	0.7449947	569.175953	0.58562812	447.419887
451	10	117,614,479	117,746,451	131,972	25	0.91567137	699.572926	0.64588631	493.45714	0.74028203	565.57547	0.8550387	653.249568	0.72437444	553.422072	0.96874471	740.120958	0.00932041	7.12079479
286	6	74,899,205	74,998,745	99,540	16	0.91585336	699.711965	0.40842987	312.040419	0.44326166	338.651906	0.96315952	735.853871	0.92304835	370.014491	0.92304835	705.20894	0.46634597	356.288324
645	15	55,025,921	55,026,265	344	3	0.91612027	699.915888	0.41231764	315.01068	0.75136738	574.044675	0.73765599	563.569178	0.76917203	587.647428	0.83285233	636.299177	0.63580801	485.757319
488	12	18,193,095	18,552,020	358,925	63	0.91678936	700.42707	0.21606078	165.070439	0.33471486	255.722154	0.1590678	121.527801	0.36779793	280.99762	0.77163836	589.531705	0.75572696	577.375396
529	12	116,193,887	116,195,061	1,174	6	0.9171854	700.729644	0.14455992	110.443776	0.39689808	303.230132	0.21771686	166.335682	0.39589165	302.461219	0.65735527	502.219426	0.34330808	262.287375
161	3	112,470,201	112,489,449	19,248	15	0.9176212	701.062594	0.35257121	269.364405	0.16604364	126.857341	0.16945436	129.463134	0.19585069	149.629925	0.79378038	606.448207	0.46595138	326.190854
189	4	77,028,168	77,043,306	15,138	5	0.91849866	701.732977	0.32340436	247.080929	0.2031956	155.241437	0.32668028	249.583734	0.21749263	166.164371	0.70629914	539.61254	0.06262768	47.8475497
281	6	70,210,441	70,265,090	54,649	19	0.91951496	702.50943	0.62019714	473.830614	0.44713845	341.613775	0.40957588	312.915974	0.43341028	331.125451	0.72934765	557.221603	0.30850749	235.699725
283	6	70,471,117	70,538,758	67,641	9	0.92044571	703.220521	0.32830098	250.821952	0.4505237	344.200105	0.45317563	346.226178	0.4809377	367.463906	0.75323371	575.470554	0.00226731	1.73222561
139	3	75,701,773	75,712,088	10,315	27	0.92196802	703.383566	0.56655901	432.927486	0.22651767	173.059498	0.24561599	171.673179	0.21385457	163.384894	0.66948487	511.48644	0.01787125	13.6536343
741	19	14,845,431	14,846,370	939	5	0.9221153	704.496092	0.31767411	242.703023	0.25656681	196.017043	0.21139901	161.508843	0.28012897	214.018532	0.81963021	626.197481	0.14723897	112.490572
494	12	38,175,763	38,194,460	18,697	6	0.92261893	704.880859	0.85870862	656.053388	0.94526339	722.181229	0.94937082	725.319306	0.98925939	755.794176	0.92718661	708.370571	0.20280221	154.940887
2	1	20,549,514	20,552,454	2,940	4	0.92316197	705.295745	0.85552078	653.61788	0.94007881	718.220211	0.9827061	750.787462	0.96180273	734.817282	0.93952672	717.798416	0.97228402	742.824995
282	6	70,355,698	70,356,974	1,276	7	0.92326097	705.371381	0.44499099	339.973117	0.40132179	306.60985	0.25202594	192.547818	0.41495003	317.021824	0.66916112	511.239096	0.00156042	1.1921583
133	3	46,586,743	46,615,495	28,752	4	0.92334209	705.433354	0.88568097	676.660263	0.44019395	336.308178	0.40792896	311.657725	0.48736778	372.348984	0.89697768	685.290944	0.92164311	704.135335
433	10	44,430,245	44,548,182	117,937	25	0.92569829	707.233493	0.08134068	62.1442804	0.98795695	754.799111	0.60366018	461.196377	0.94081247	718.780728	0.99577342	760.770892	0.21402417	163.514466
289	6	75,438,396	75,448,628	10,232	6	0.92615594	707.583137	0.35556092	271.648545	0.54046885	412.918204	0.95050461	726.185519	0.54902715	419.456743	0.93447097	713.935823	0.14549492	111.123357
88	2	95,432,355	95,501,943	69,588	14	0.92638764	707.760154	0.09348424	71.4219627	0.24057697	183.800805	0.17850431	134.653706	0.18519597	217.889719	0.79484458	707.26126	0.28935651	221.06837
162	3	114,246,547	114,456,005	209,458	37	0.92668342	707.986134	0.79738754	609.204081	0.81283489	621.005856	0.92253844	704.819366	0.72541164	554.214495	0.92984438	710.401106	0.28467924	217.494939
135	3	73,340,026	73,346,338	6,312	6	0.92976074	710.337202	0.58321149	445.576183	0.35135175	268.432737	0.30306531	231.541895	0.35468925	270.982591	0.86471315	660.640848	0.00832843	6.36291938
140	3	75,822,052	75,927,523	105,471	32	0.92986929	710.420137	0.63897105	488.173883	0.45945086	351.020454	0.6221321	475.308925	0.45484217	347.499416	0.82722649	632.001039	0.01515951	11.581869
346	7	54,976,185	55,008,187	32,002	13	0.93050668	710.907104	0.96121335	734.367	0.68536989	523.622597	0.83905837	641.040597	0.77415928	591.457689	0.96355467	736.155768	0.98633007	753.556172
708	17	76,673,848	76,684,159	10,311	8	0.93055363	710.942975	0.92696376	708.200315	0.87621667	669.429538	0.31100081	237.604616	0.87975576	672.134808	0.70473019	538.413866	0.7288636	556.851792
207	4	155,497,765	155,507,226	9,461	9	0.93109686	711.358	0.32048073	544.847278	0.4088189	312.337637	0.56252654	429.770278	0.37884155	289.434947	0.93668522	715.627512	0.31764513	242.680883
260	5	118,388,158	118,390,795	2,637	9	0.93286723	712.710563	0.71533844	246.518567	0.43007412	328.576629	0.9055449	451.183633	0.95832177	292.014329	0.95832177	732.013386	0.63305383	483.651219
634	15	25,938,508	25,938,536	28	2	0.93329657	713.038582	0.47487502	362.804511	0.25526857	195.02519	0.19879847	151.882033	0.26138636	199.699178	0.65732149	502.19362	0.10491526	80.1552567
247	5	85,651,181	85,653,617	2,436	3	0.93369237	713.340974	0.26141036	199.717518	0.72052021	550.477438	0.6413723	490.008436	0.73315971	560.134015	0.82095936	627.212953	0.55132059	421.208929
751	19	35,071,034	35,142,532	71,498	19	0.93462234	714.051471	0.65202829	498.149611	0.76108603	581.469729	0.60933642	465.533024	0.69394362	530.172926	0.93062077	710.994272	0.1778639	135.888021
208	5	3,499,602	3,519,482	19,880	13	0.93610841	715.186822	0.53455466	334.555466	0.17882433	136.62179	0.34850662	423.49056	0.2088417	159.555057	0.73820176	653.886143	0.3248644	292.219638
467	11	41,644,605	41,644,707	102	2	0.93960698	717.859732	0.97177476	742.43592	0.60115778	459.284543	0.65336054	499.167453	0.63683412	486.541271	0.97245337	742.954371	0.22916775	175.084161
166	3	121,705,472	121,715,079	9,607	33	0.94056206	718.589416	0.02594042	19.7906699	0.11920253	91.0707343	0.05428031	41.4701549	0.16068529	122.763564	0.565297	431.886909	0.61249257	467.944327
406	8	117,488,656	117,647,628	158,972	46	0.94100275	718.926102	0.48056235	367.149638	0.03132733	23.9340781	0.06857556	52.3917568	0.03550192	27.1234661	0.58217031	444.778117	0.84211334	643.374593
604	14	73,243,966	73,249,111	5,145	6	0.94142255	719.24683	0.57870641	442.131696	0.45814377	350.021843	0.07190689	54.9368638	0.44778557	342.108173	0.67087871	512.551332	0.93694183	715.823555
228	5	54,883,390	54,937,412	54,022	16	0.94146031	719.275674	0.24355611	186.076868	0.42086761	321.542854	0.28694971	219.229575	0.45908115	350.737999	0.83419431	637.324455	0.19461706	148.68743
479	11	91,182,491	91,224,527	42,036	10	0.94172188	719.47552	0.09144486	69.8638725	0.04070418	31.0979957	0.10255992	78.3557785	0.04618186	35.2829389	0.70814969	541.02636	0.3178685	242.851536
352	7	79,385,029	79,385,270	241	3	0.94191458	719.62274	0.23349861	178.392954	0.32703226	249.852645	0.63564038	499.381252	0.36794491	281.109908	0.96374308	736.299713	0.27290965	208.502972
436	10	55,530,107	55,533,033	2,926	3	0.94258767	720.16277	0.92571417	210.951223	0.84795122	647.83473	0.64616768	499.67211	0.68178768	643.125788	0.96882029	740.1787	0.41505137	317.099245
349	7	55,454,535	55,702,761	248,226	42	0.94526472	722.182248	0.8534681	652.049626	0.69393382	530.165442	0.6811961	520.433818	0.80737854	616.837206	0.98248838	750.62112	0.82471812	630.084646
424	10	7,534,475	7,534,653	178	4	0.94566375	722.487103	0.89579075	684.384134	0.75004473	573.033409	0.61177881	471.990576	0.76090475	669.336391	0.857851	655.398164	0.93029022	710.74173
342	7	48,319,662	48,5																

RegNo	Chr	Start	End	Size	No. probes in CNV	total distance travelled		time inner zone		entries inner zone		distance inner zone		entries outer zone		distance outer zone		time immobile	
						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	nominal p-value	p-value corrected	nominal p-value	p-value corrected
308	6	128,729,176	128,769,001	39,825	28	0.9741518	744.251974	0.3653682	279.141308	0.71572682	546.815291	0.7699806	588.265181	0.69247307	529.049429	0.96181491	734.826594	0.37487419	286.403881
637	15	33,880,442	33,900,991	20,549	7	0.97434612	744.400434	0.43272896	330.604927	0.23961733	183.067638	0.10651046	81.3739923	0.26648565	203.595036	0.69176371	528.507477	0.19260313	147.148789
475	11	64,416,011	64,432,150	16,139	6	0.97435767	744.40926	0.26488562	202.372615	0.3288033	251.205722	0.08063711	61.6067538	0.37455468	286.159773	0.66883476	510.989759	0.50460182	385.51579
714	17	92,827,951	92,923,001	95,050	18	0.97447931	744.502189	0.65789875	502.634647	0.7445649	568.847581	0.70578096	539.21665	0.77427727	591.547837	0.93648079	715.471325	0.37455021	286.156357
183	4	21,584,773	21,585,024	251	4	0.97543645	745.233447	0.38557727	294.581031	0.72685504	555.31725	0.38268756	292.373294	0.69870352	533.809491	0.84316796	644.180323	0.85220121	651.081726
602	14	72,880,516	72,895,559	15,043	6	0.97900796	747.96208	0.88379806	675.221718	0.49782125	380.335435	0.16212118	123.86058	0.45167055	345.076297	0.66586981	508.724532	0.49343003	376.980542
461	11	32,188,750	32,201,707	12,957	10	0.98112644	749.5806	0.53094018	405.638294	0.86521017	661.020573	0.56388979	430.811796	0.82461293	630.004282	0.91753121	700.993842	0.30851343	235.704258
689	17	36,151,872	36,151,991	119	3	0.98144946	749.827387	0.33538536	256.234414	0.58992377	450.701763	0.60692269	463.688935	0.57059485	435.934464	0.92084868	703.528389	0.8188667	625.614159
344	7	54,636,276	54,680,897	44,621	11	0.98250218	750.631669	0.9914695	757.482695	0.80421718	614.421927	0.87756895	670.462674	0.88477612	675.968953	0.99624994	761.134958	0.87881355	671.413555
750	19	34,662,998	34,681,285	18,287	11	0.98389536	751.696056	0.59374676	453.622526	0.93151124	711.674588	0.906661	692.689007	0.8030555	613.534401	0.98026317	748.92106	0.17377527	132.764309
544	13	17,574,927	17,603,308	28,381	9	0.98442644	752.101801	0.58076838	443.707039	0.68779719	525.477055	0.26160571	199.866763	0.72027568	550.290619	0.7283943	556.493247	0.53213682	406.552533
17	1	79,034,685	79,074,361	39,676	13	0.98699419	754.063562	0.9539012	728.780514	0.73659673	562.759904	0.62716436	479.153573	0.71796822	548.527723	0.86640344	661.932229	0.18258005	139.491156
30	1	135,250,842	135,255,585	4,743	16	0.98745322	754.414257	0.01289613	9.85264426	0.03208825	24.5154267	0.02241712	17.1266802	0.0292329	22.3339339	0.55381094	423.111557	0.37304251	285.004474
134	3	52,324,222	52,329,358	5,136	6	0.98918061	755.73399	0.79018833	603.703883	0.54825674	418.868151	0.99704123	761.739501	0.59604155	455.375741	0.98180747	750.100905	0.71975243	549.890859
259	5	116,694,063	116,703,656	9,593	6	0.991323	757.370771	0.43965221	335.894292	0.50288199	384.201842	0.38338049	292.902696	0.44977994	343.631872	0.81990639	626.408482	0.2953959	225.682466
185	4	30,266,433	30,312,363	45,930	5	0.99140166	757.430865	0.12281696	93.8321577	0.4142878	316.515877	0.33544429	256.279437	0.42895519	327.721766	0.79917869	610.572516	0.88586157	676.798239
335	7	27,627,143	27,736,250	109,107	13	0.99271878	758.437145	0.94088447	718.835737	0.63921849	488.362924	0.84849674	648.25151	0.64775116	494.881882	0.96044598	733.78073	0.24893952	190.189793
212	5	5,538,674	5,547,973	9,299	10	0.99338586	758.9468	0.84342314	644.375282	0.23244054	177.584569	0.50675683	387.16222	0.26694646	203.947098	0.85811771	655.601932	0.43424147	331.76048
437	10	61,300,867	61,301,038	171	3	0.99362283	759.127843	0.50698872	387.339385	0.35019255	267.54711	0.29004108	221.591385	0.34309104	262.121552	0.77986141	595.814121	0.63428217	484.591576
597	14	44,396,801	45,349,904	953,103	75	0.99468094	759.936239	0.94680088	723.355873	0.56385228	430.783141	0.30811159	235.397256	0.60963591	465.761834	0.75997024	580.617263	0.55605732	424.827789
55	2	8,079,421	8,097,887	18,466	3	0.99479683	760.024775	0.12624934	96.4544977	0.08078521	61.7199019	0.14466158	110.52145	0.07448502	56.9065527	0.67200191	513.409461	0.44689798	341.430056
347	7	55,012,164	55,036,726	24,562	3	0.99705999	761.753835	0.83470346	637.713444	0.97471018	744.678578	0.96534164	737.521014	0.86728258	662.603893	0.99637264	761.228695	0.87693624	669.979286
19	1	97,254,323	97,293,244	38,921	6	0.99849345	762.848994	0.25898856	197.867263	0.10656253	81.4137757	0.06610779	50.5063486	0.09183724	70.163653	0.60557107	462.656294	0.7853557	600.011756