

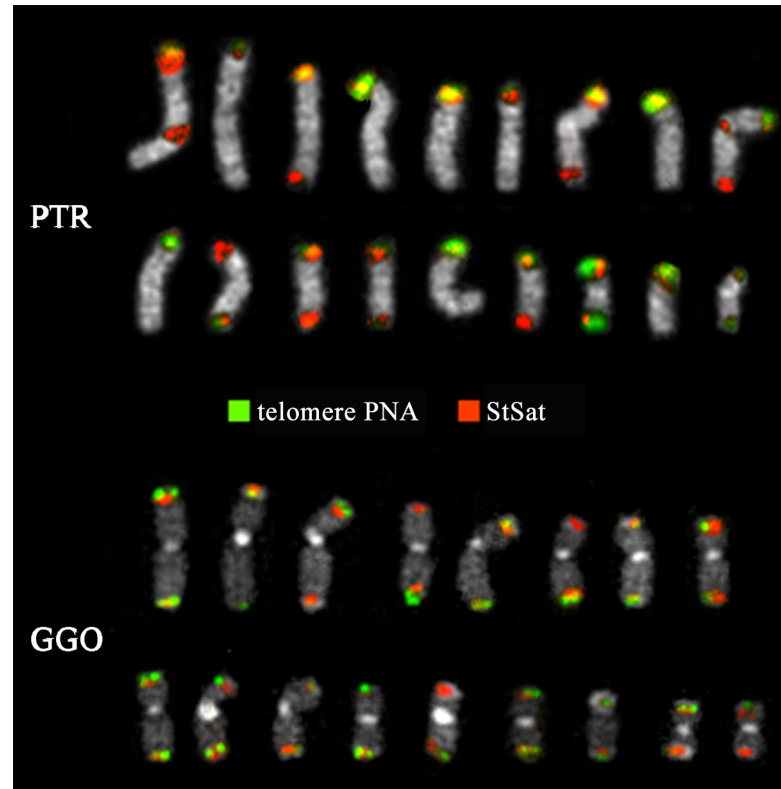


Figure S1

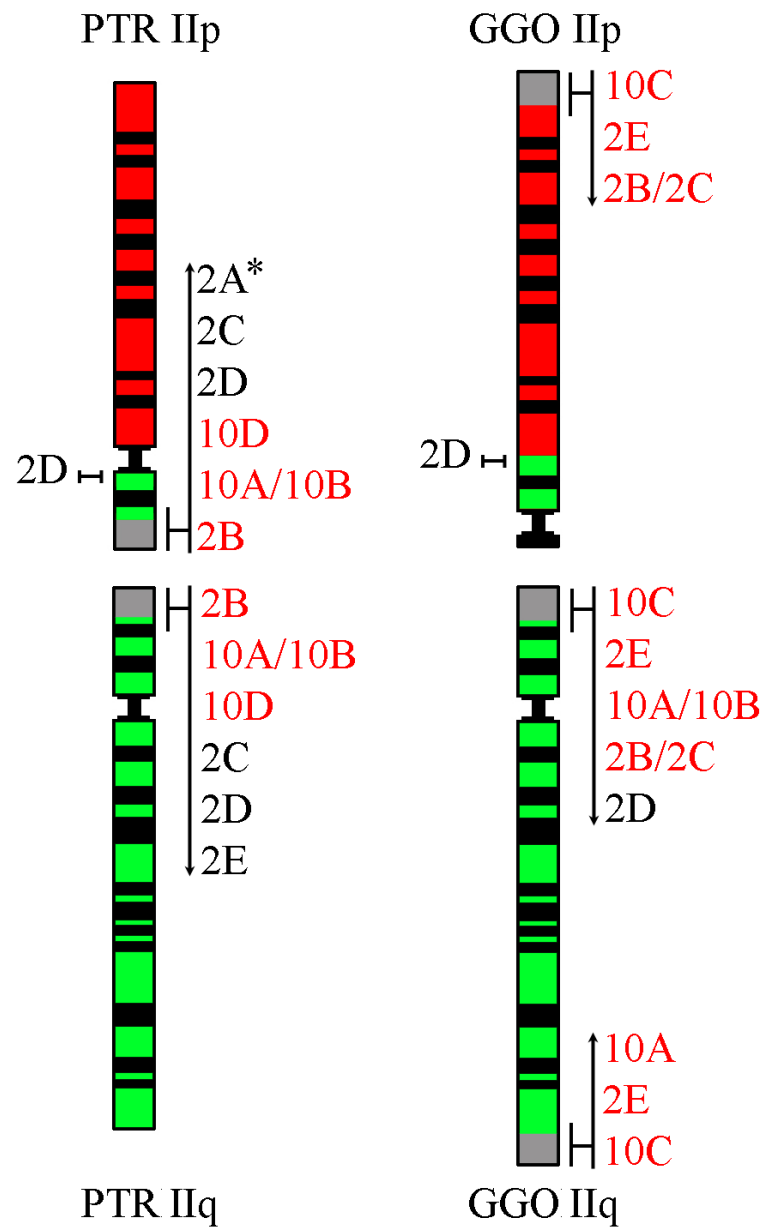


Figure S2

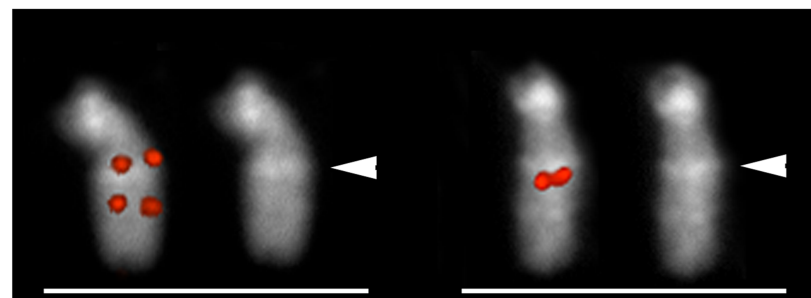
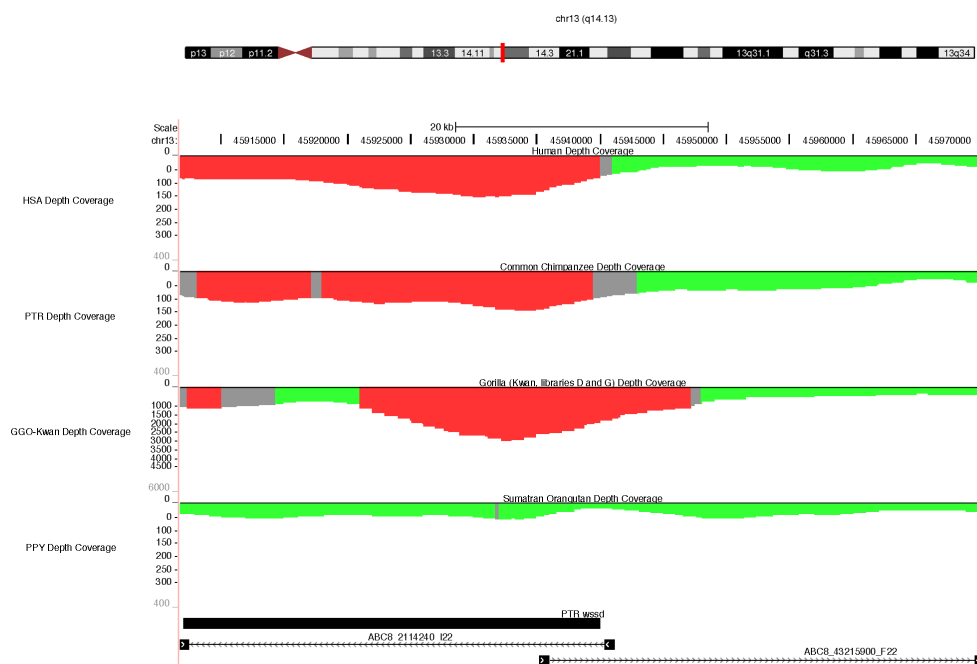
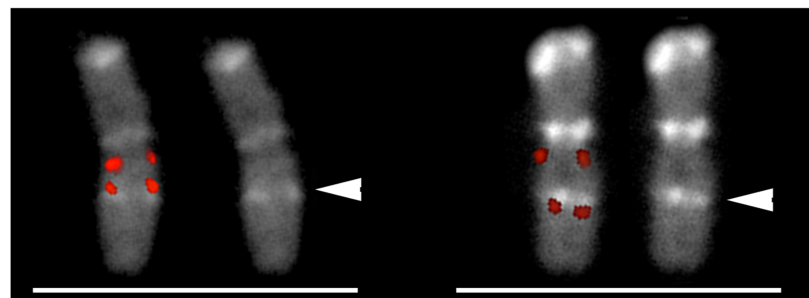
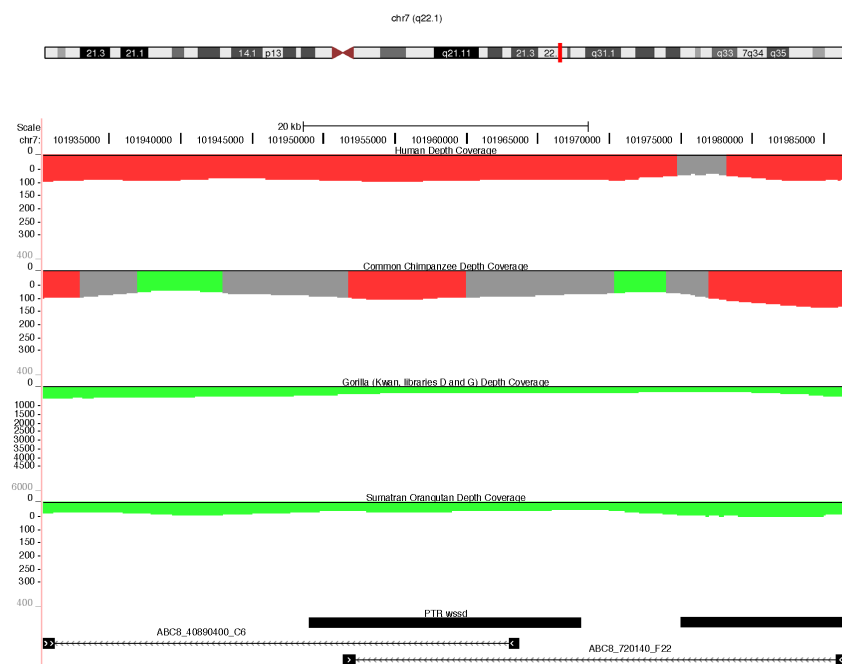


Figure S3

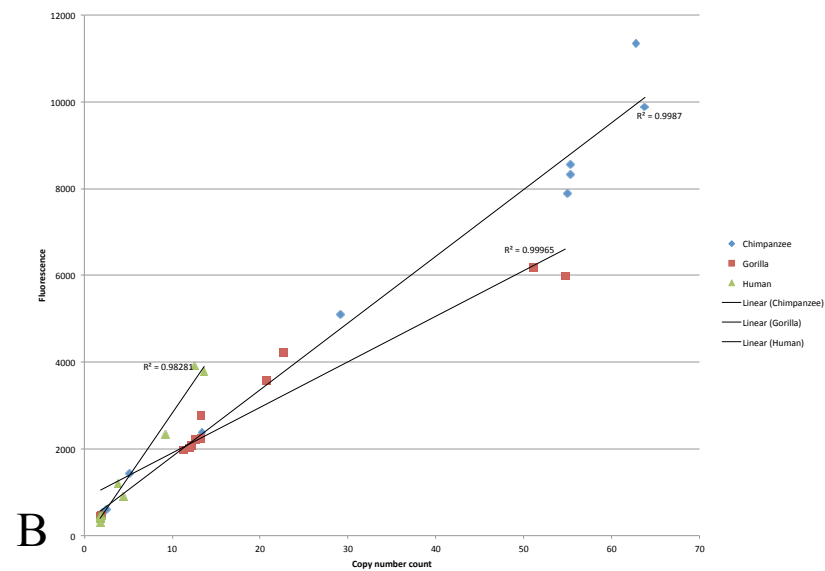
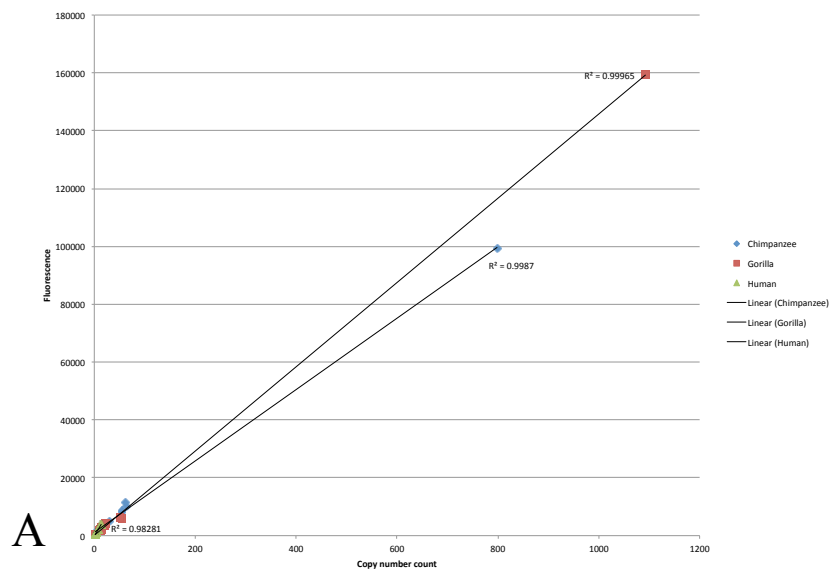


Figure S4

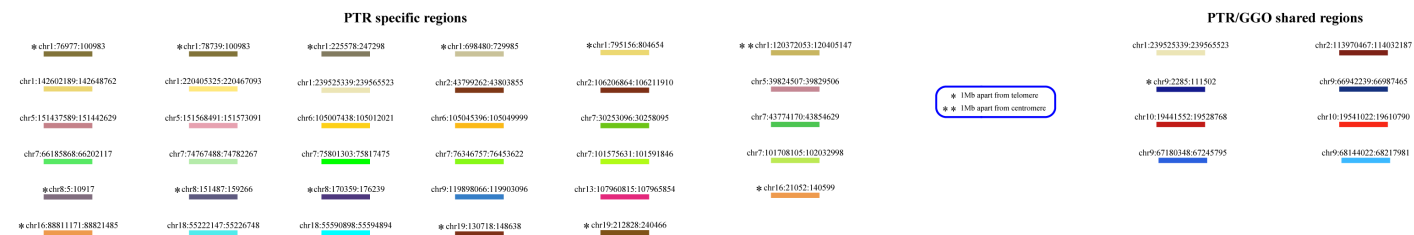
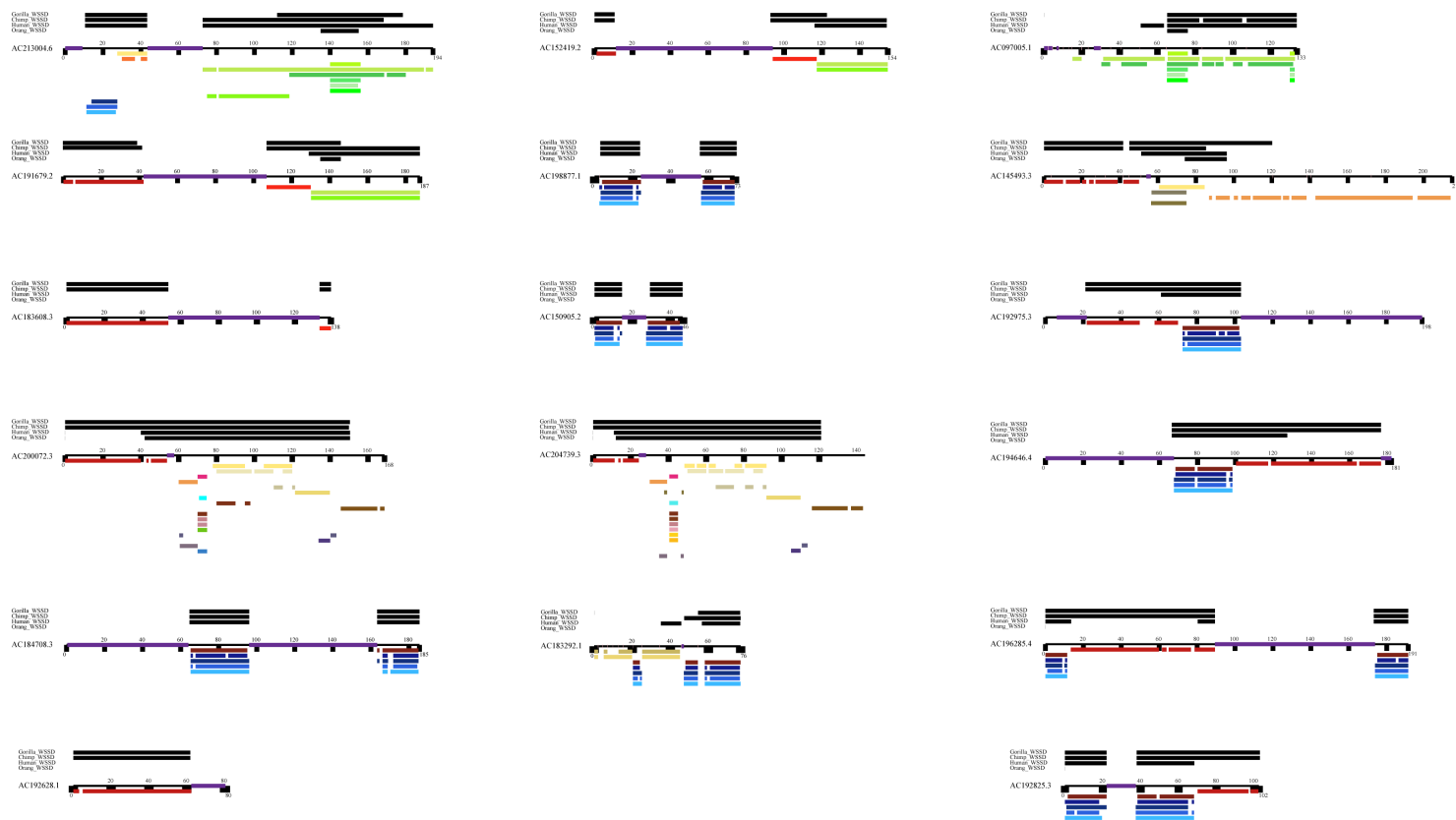
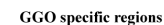
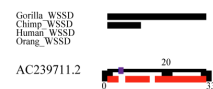
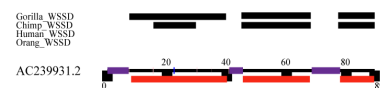
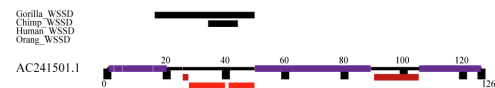
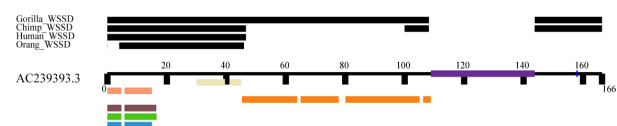


Figure S5 A



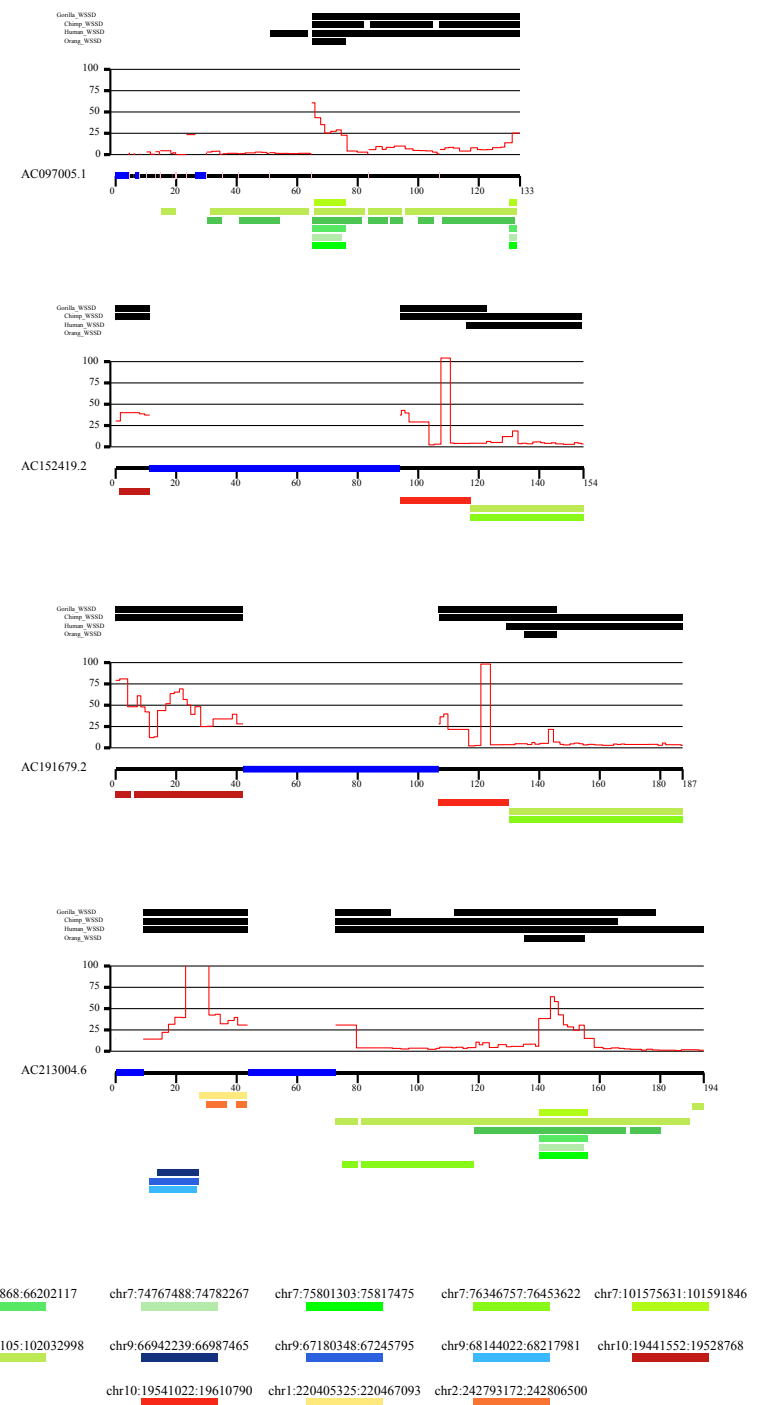


Figure S6

Table S1. Mapping of probes on chromosomes 2 and 10

	Fosmid Clone	Position NCBI35	PTR IIq_parm	PTR IIq_qarm	PTR IIp_parm	PTR IIp_Cenparm	PTR IIp_qarm	GGO IIq_parm	GGO IIq_qarm	GGO IIp_parm	GGO IIp_interstitial	GGO IIp_qarm
	ABC8 41147200 H23	chr2:113840263-113878692	No	No	Yes	Yes*	No	No	No	No	Yes	No
2A	ABC8 42163800 E20#	chr2:113884171-113915881	No	No	Yes	No	No	No	No	No	No	No
	ABC8 41115100 I17#	chr2:113894854-113929406	No	No	Subter	No	No	No	No	No	No	No
	ABC8 43008200 P2#	chr2:113919580-113958771	No	No	Subter	No	No	No	No	No	No	No
2B	ABC8 40925900 F12#	chr2:113978394-114020431	Cap	No	Cap	No	No	Subcap	No	No	No	Subcap (het)
	ABC8 41134100 D22#	chr2:114021524-114059681	Cap	No	Cap	No	No	Subcap	No	No	No	Subcap (het)
2C	ABC8 40903600 D20@	chr2:114080059-114122590	Subter	No	Subter	No	No	Subcap (weak)	No	No	No	Subcap (het)
2D	ABC8 660422 B2\$	chr2:114111934-114153971	Yes	No	Yes	Yes*	No	Yes (weak)	No	No	Yes	No
2E	ABC8 2126940 M24	chr2:114149372-114184630	Yes	No	No	No	No	Subcap	Subcap	No	No	Subcap
	ABC8 738840 B20	chr2:114196346-114231473	Yes	No	No	No	No	Subcap (het)	Subcap (het)	No	No	Subcap
	ABC8 45707700 L24	chr2:114223493-114258048	Yes	No	No	No	No	Yes	No	No	No	No
	ABC8 41123600 B12	chr2:114267007-114303469	Yes	No	No	No	No	Yes	No	No	No	No
10A	ABC8 43746700 B12	chr10:19359773-19395890	No	No	No	No	No	No	No	No	No	No
	ABC8 708622 I7	chr10:19399597-19435714	No	No	No	No	No	No	No	No	No	No
	ABC8 41110300 L12	chr10:19427867-19467099	Subcap	No	Subcap	No	No	No	No	No	No	No
	ABC8 757522 C14	chr10:19428257-19466794	Subcap	No	Subcap	No	No	Subcap	No	No	No	No
10B	ABC8 661222 G22	chr10:19465621-19502910	Subcap	No	Subcap	No	No	No	Subcap (het)	No	No	No
	ABC8 40859600 G4	chr10:19496838-19535777	Subcap	No	Subcap	No	No	Subcap (het)	Subcap	No	No	No
10C	ABC8 40868200 C16	chr10:19530349-19564732	No	No	No	No	No	Cap	Cap	No	No	Cap
10D	ABC8 41045500 J9	chr10:19581695-19620805	Subcap	No	Subcap	No	No	No	No	No	No	No
	ABC8 2134240 I12	chr10:19615532-19651206	No	No	No	No	No	No	No	No	No	No
	ABC8 42229400 M23	chr10:19655864-19700390	No	No	No	No	No	No	No	No	No	No

Note. * Shared with human; # Duplicated on chr 9 in human and chimpanzee; \$ Identifies chr 2q inv bp; Subter, light up tel of chr with no caps; Subcap, light up tel of chr with no caps; @ Duplicated on chr 2q in human, in bold clones identifying the CAP in chimpanzee or gorilla.

Table S2. Definition of interstitial heterochromatic integration point in chimpanzee

Clone	Position	Chimpanzee mapping
RP11-1134K14	chr7:101,890,344-102,048,014	M. Gross 2006*
ABC8 40893700 L2	chr7:101906133-101936332	7qprox
ABC8 40890400 C6	chr7:101930395-101963680	7q11.2; 7qprox
ABC8 720140 F22	chr7:101951324-101986595	7q11.2; 7qdist
ABC8 42230900 F1	chr7:101969183-102013237	7q11.2; 7qdist
ABC8 41051200 J2	chr7:101787281-101830912	7p; 7q11.2; 7qdist
ABC8 42164700 J9	chr7:101862516-101906594	7p; 7q11.2; 7qdist
RP11-189B4	chr13:45,867,742-45,984,270	M. Gross 2006*
ABC8 2112940 H11	chr13:45872397-45910777	13qprx; 13qdup
ABC8 2114240 I22	chr13:45906763-45941160	13qprx ; 13qdup
ABC8 43215900 F22	chr13:45935232-45970371	13qdistal
WIBR2-2936M02 G248P89166G1	chr13:45,966,323-46,009,057	13qdistal

Note. * Position as reported in Gross et al. 2006.

Table S3. Copy number estimates of gorilla and chimpanzee hyperexpanded loci and proximal regions

Genomic regions	Probe	Chr	Start	End	Window size (bp)	HUMAN			CHIMPANZEE			GORILLA			NEANDERTHAL##	
						Genomic amount (bp)	(n=175)	Fluor Value	Genomic amount (bp)	(n=12)	Fluor Value	Genomic amount (bp)	(n=4)	Fluor Value	Genomic amount (bp)	(n=1)
2A	abc8_43008200_p2	chr2	113919580	113958771	39191	488712	12	3907	522416	13	2377	76031	2	465	548674	14
2B	abc8_40925900_f12	chr2	113978394	114020431	42037	390103	9	2346	33545526	798	99316	529666	13	2222	420370	10
	abc8_41134100_d22	chr2	114021524	114059681	38157	520080	14	3777	2099398	55	7885	428885	11	1980	534198	14
2C	abc8_40903600_d20	chr2	114080059	114122590	42531	188838	4	905	221161	5	1436	519304	12	2078	212655	5
2D	abc8_660422_b2	chr2	114111934	114153971	42037	160161	4	1206	106774	3	602	500240	12	2013	168148	4
2E	abc8_2126940_m24	chr2	114149372	114184630	35258	68753	2	479	64522	2	438	1928965	55	5976	68753	2
	abc8_738840_b20	chr2	114196346	114231473	35127	68146	2	459	66741	2	484	1795341	51	6194	68146	2
10A	abc8_41110300_l12	chr10	19427867	19467099	39232	71010	2	421	2167568	55	8564	522570	13	2252	71010	2
	abc8_757522_c14	chr10	19428257	19466794	38537	69752	2	399	2129169	55	8332	513313	13	2761	69752	2
	abc8_661222_g22	chr10	19465621	19502910	37289	69358	2	456	2378292	64	9873	774120	21	3563	69358	2
10B	abc8_40859600_g4	chr10	19496838	19535777	38939	70090	2	309	2444590	63	11354	880021	23	4237	38939	1
10C	abc8_40868200_c16	chr10	19530349	19564732	34383	61889	2	460	71860	2	539	37546236	1092	159360	61889	2
10D	abc8_41045500_j9	chr10	19581695	19620805	39110	70398	2	436	1139274	29	5116	72354	2	445	70398	2
						2297290#	0.9981*		46971586#	0.9987*		46078105#	0.99965*		2402290	

Note. * Correlation (r^2) values between copy number and fluorescence value; # Total genomic amount; ## Reiche D. et al. 2010

Table S4. Blast analysis using pCht sequences on chimpanzee and gorilla BAC clone

Species	BAC	chrom	Piece	bac	bacStart	bacEnd	chrom	chromStart	chromEnd	bacStart	bacEnd	pcht	pchtStart	pchtEnd	bacStart	bacEnd	pcht	pchtStart	pchtEnd
Chimpanzee	AC198877.1	chr2:	113996786:114026608	AC198877.1	3928	24330	chr2	113996786	114015850	24340	55929	X74280.1	1	372	24340	55927	X74281.1	1	330
		chr2:	113996786:114026608	AC198877.1	56795	73511	chr2	114009972	114026608										
		chr9:	52553:83240	AC198877.1	2493	23028	chr9	61923	83240										
		chr9:	52553:83240	AC198877.1	56795	73511	chr9	52553	69179										
		chr9:	66946518:66977146	AC198877.1	3164	24330	chr9	66957426	66977146										
		chr9:	66946518:66977146	AC198877.1	55926	73511	chr9	66946518	66964084										
		chr9:	67184616:67215035	AC198877.1	3172	23028	chr9	67195382	67215035										
		chr9:	67184616:67215035	AC198877.1	55926	73511	chr9	67184616	67202010										
		chr9:	68182581:68213345	AC198877.1	2493	23028	chr9	68182581	68203089										
Chimpanzee	AC183608.3	chr9:	68182581:68213345	AC198877.1	55926	73510	chr9	68195780	68213345										
		chr10:	19442896:19497795	AC183608.3	1	53449	chr10	19442896	19497795	53446	132934	X74280.1	1	373	53446	132939	X74281.1	1	378
		chr10:	19570097:19576051	AC183608.3	132932	138895	chr10	19570097	19576051										
Chimpanzee	AC192975.3	chr10:	19441552:19469495	AC192975.3	21825	49786	chr10	19441552	19469495	6009	21251	X74280.1	1	372	6009	21826	X74281.1	1	332
		chr10:	19510191:19522593	AC192975.3	57606	70000	chr10	19510191	19522593	103225	198669	X74280.1	1	373	103220	198833	X74281.1	1	378
		chr2:	113996786:114026610	AC192975.3	72435	102359	chr2	113996786	114026610										
		chr9:	52551:83240	AC192975.3	72435	102359	chr9	52551	83240										
		chr9:	66946518:66977146	AC192975.3	72435	103228	chr9	66946518	66977146										
		chr9:	67184616:67215035	AC192975.3	72435	103228	chr9	67184616	67215035										
		chr9:	68182581:68213345	AC192975.3	72435	103228	chr9	68182581	68213345										
Chimpanzee	AC097005.1	chr7:	101576169:101591846	AC097005.1	65460	76016	chr7	101581171	101591846	4	7712	X74280.1	1	372		7712	X74281.1	1	308
		chr7:	101576169:101591846	AC097005.1	130001	132561	chr7	101576169	101578731	26353	29955	X74280.1	1	372	26353	29955	X74281.1	1	306
		chr7:	101708105:101808183	AC097005.1	31290	132274	chr7	101708105	101808183										
		chr7:	101813663:101907390	AC097005.1	31289	132719	chr7	101813663	101907390										
		chr7:	101912884:101932797	AC097005.1	15001	19831	chr7	101927969	101932797										
		chr7:	101912884:101932797	AC097005.1	87627	90000	chr7	101922562	101924935										
		chr7:	101912884:101932797	AC097005.1	107205	110000	chr7	101923490	101926286										
		chr7:	43774170:43833335	AC097005.1	115423	123089	chr7	101912884	101920590										
		chr7:	43774170:43833335	AC097005.1	30359	34995	chr7	43799849	43804497										
		chr7:	43774170:43833335	AC097005.1	40911	54433	chr7	43787030	43799804										
		chr7:	43774170:43833335	AC097005.1	65001	81459	chr7	43805343	43821872										
		chr7:	43774170:43833335	AC097005.1	90741	95000	chr7	43774170	43778434										
		chr7:	43774170:43833335	AC097005.1	100001	105000	chr7	43781307	43786302										
		chr7:	43774170:43833335	AC097005.1	123088	131755	chr7	43824664	43833335										
		chr7:	43838822:43854629	AC097005.1	83596	90000	chr7	43847566	43853993										
		chr7:	43838822:43854629	AC097005.1	107921	123089	chr7	43838822	43854629										
		chr7:	66185868:66201579	AC097005.1	65001	76016	chr7	66185868	66197020										
		chr7:	66185868:66201579	AC097005.1	130001	132558	chr7	66199027	66201579										
		chr7:	74767488:74781733	AC097005.1	65001	74627	chr7	74767488	74777174										
		chr7:	74767488:74781733	AC097005.1	130001	132561	chr7	74779176	74781733										
		chr7:	75801841:75817475	AC097005.1	65001	76016	chr7	75806397	75817475										
		chr7:	75801841:75817475	AC097005.1	130001	132561	chr7	75801841	75804400										
Chimpanzee	AC194646.4	chr10:	19441552:19523126	AC194646.4	100239	176485	chr10	19441552	19523126	5	67565	X74280.1	1	376	7	67563	X74281.1	1	332
		chr2:	113996786:114026610	AC194646.4	68430	98331	chr2	113996786	114026610	176867	181963	X74280.1	1	372	176484	181872	X74281.1	1	321
		chr9:	52551:83240	AC194646.4	68430	98331	chr9	52551	83240										
		chr9:	66946518:66977146	AC194646.4	67562	98331	chr9	66946518	66977146										
		chr9:	67184616:67215035	AC194646.4	67562	98331	chr9	67184616	67215035										
		chr9:	68182581:68213345	AC194646.4	67562	98331	chr9	68182581	68213345										
Chimpanzee	AC200072.3	chr10:	19441552:19500147	AC200072.3	1	53783	chr10	19441552	19500147	53782	57585	X74280.1	1	372	53782	57573	X74281.1	1	321
		chr1:	220426310:220443621	AC200072.3	77995	95000	chr1	220426310	220443621										
		chr1:	220450648:220465621	AC200072.3	105001	120000	chr1	220450648	220465621										
		chr1:	239525777:239565523	AC200072.3	80001	110000	chr1	239525777	239555550										
		chr1:	239525777:239565523	AC200072.3	115001	120000	chr1	239560528	239565523										
		chr19:	130718:148638	AC200072.3	80001	90000	chr19	130718	140840										
		chr19:	130718:148638	AC200072.3	95001	97808	chr19	145819	148638										
		chr19:	212828:236553	AC200072.3	145621	168736	chr19	212828	236553										
Chimpanzee	AC191679.2	chr10:	19442896:19485020	AC191679.2	1	42079	chr10	19442896	19485020	42076	106773	X74280.1	1	373	42076	106778	X74281.1	1	378
		chr10:	19552268:19576051	AC191679.2	106771	130000	chr10	19552268	19576051										
		chr7:	101975704:102032998	AC191679.2	130155	187380	chr7	101975704	102032998										
		chr7:	76346757:76403982	AC191679.2	130155	187380	chr7	76346757	76403982										
Chimpanzee	AC183292.1	chr1:	120372053:120405147	AC183292.1	23	6910	chr1	120384805	120405147	45872	47062	X74280.1	1	371	45872	47060	X74281.1	1	327
		chr1:	120372053:120405147	AC183292.1	12748	20000	chr1	120381169	120291637										
		chr1:	120372053:120405147	AC183292.1	25193	45000	chr1	120372053	120405147										
		chr1:	142602189:142648762	AC183292.1	23	19833	chr1	142602189	142639317										
		chr1:	142602189:142648762	AC183292.1	25193	45000	chr1	142614203	142648762										
		chr2:	113996786:114026608	AC183292.1	20349	23919	chr2	114016640	114020221										
		chr2:	113996786:114026608	AC183292.1	47930	76863	chr2	113996786	114026608										
		chr9:	52553:83240	AC183292.1	20349	23919	chr9	58938	62507										
		chr9:	52553:83240	AC183292.1	47930	76454	chr9	52553	83240										
		chr9:	66946518:66977146	AC183292.1	20349	25000	chr9	66953776	66958448										
		chr9:	66946518:66977146	AC183292.1	47059	76454	chr9	66946518	66977146										
		chr9:	67184616:67215035	AC183292.1	20349	25000	chr9	67191872	67196396										
		chr9:	67184616:67215035	AC183292.1	47059	76454	chr9	67184616	67215035										
		chr9:	68182581:68213345	AC183292.1	20349	25000	chr9	68201398	68206085										
		chr9:	68182581:68213345	AC183292.1	47059	76863	chr9	68182581	68213345										
Chimpanzee	AC150905.2	chr2:	113996786:114026608	AC150905.2	868	14530	chr2	113996786	114009132	14536	27267	X74280.1	1	372	14536	27265	X74281.1	1	330
		chr2:	113996786:114026608	AC150905.2	28134	45000	chr2	114009777	114026608										

Chimpanzee	AC184708.3	chr7:101575631:101591846	AC213004.6	140001	156118	chr7	101575631	101591846														
		chr7:101708105:101729887	AC213004.6	118834	139928	chr7	101708105	101729887														
		chr7:101747797:101808183	AC213004.6	133626	194368	chr7	101747797	101808183														
		chr7:101813663:101829493	AC213004.6	118463	133627	chr7	101813663	101829493														
		chr7:101846991:101907390	AC213004.6	133626	194368	chr7	101846991	101907390														
		chr7:101912884:101971633	AC213004.6	72672	133627	chr7	101912884	101971633														
		chr7:43787201:43833335	AC213004.6	133626	179998	chr7	43787201	43833335														
		chr7:43838822:43854629	AC213004.6	118463	133627	chr7	43838822	43854629														
		chr7:66185868:66202117	AC213004.6	140001	156118	chr7	66185868	66202117														
		chr7:74767488:74782267	AC213004.6	140001	154729	chr7	74767488	74782267														
		chr7:75801303:75817475	AC213004.6	140001	156118	chr7	75801303	75817475														
		chr7:76410213:76453622	AC213004.6	75001	118464	chr7	76410213	76453622														
		chr9:66973813:66987465	AC213004.6	13937	27572	chr9	66973813	66987465														
		chr9:67211706:67228618	AC213004.6	11222	27572	chr9	67211706	67228618														
		chr9:68169013:68185159	AC213004.6	11222	26799	chr9	68169013	68185159														
		chr2:113996786:114026446	AC184708.3	65251	95000	chr2	113996786	114026446	469	64061	X74280.1	1	373	471	64061	X74281.1	1	321				
		chr2:113996786:114026446	AC184708.3	163301	185000	chr2	113996786	114012604	96029	163295	X74280.1	1	373	96031	163295	X74281.1	1	351				
		chr9:52715:83240	AC184708.3	65251	95000	chr9	52715	83240														
		chr9:52715:83240	AC184708.3	166127	185000	chr9	66551	83240														
Chimpanzee	AC192825.3	chr9:66946518:66977146	AC184708.3	65251	96032	chr9	66946518	66977146														
		chr9:66946518:66977146	AC184708.3	163301	185000	chr9	66961448	66977146														
		chr9:67184616:67215035	AC184708.3	65251	96032	chr9	67184616	67215035														
		chr9:67184616:67215035	AC184708.3	166127	184372	chr9	67200001	67215035														
		chr9:68182581:68213345	AC184708.3	65251	96032	chr9	68182581	68213345														
		chr9:68182581:68213345	AC184708.3	166127	185000	chr9	68182581	68198413														
		chr10:19490984:19523126	AC192825.3	70059	102151	chr10	19490984	19523126				22001	37399	X74281.1					328			
		chr2:113996786:114026610	AC192825.3	1506	21995	chr2	113997001	114015845														
		chr2:113996786:114026610	AC192825.3	38265	68159	chr2	113996786	114026610														
		chr9:52551:83240	AC192825.3	1	18076	chr9	61856	80815														
		chr9:52551:83240	AC192825.3	38265	68159	chr9	52551	83240														
		chr9:66946518:66976931	AC192825.3	737	21995	chr9	66957426	66976931														
		chr9:66946518:66976931	AC192825.3	37398	65000	chr9	66946518	66974156														
		chr9:67184616:67215035	AC192825.3	745	18076	chr9	67195382	67212596														
		chr9:67184616:67215035	AC192825.3	37398	68159	chr9	67184616	67215035														
		chr9:68182581:68213345	AC192825.3	1	19573	chr9	68183702	68203156														
		chr9:68182581:68213345	AC192825.3	37398	68159	chr9	68182581	68213345														
		Chimpanzee	AC145493.3	chr10:19442746:19469487	AC145493.3	23731	49991	chr10	19442746	19469487	53852	56176	X74280.1	1	371	53852	56176	X74281.1	1	308		
				chr10:19474538:19497782	AC145493.3	8	22205	chr10	19474538	19497782												
chr1:220405325:220431131	AC145493.3			60559	84557	chr1	220405325	220431131														
chr1:225578:247298	AC145493.3			56632	75000	chr1	225578	247298														
chr16:21052:140599	AC145493.3			86921	214149	chr16	21052	140599														
chr1:78739:100983	AC145493.3			56354	75000	chr1	78739	100983														
chr10:135391892:135402137	AC239281.3			140551	145000	chr10	135391892	135396653	165279	184423	X74280.1	1	372	165279	184423	X74281.1	1	331				
chr10:135391892:135402137	AC239281.3			156359	158189	chr10	135400312	135402137														
chr1:245296081:245436903	AC239281.3			1181	148430	chr1	245296081	245436903														
chr2:114088388:114098323	AC239281.3			140551	144778	chr2	114094107	114098323														
chr2:114088388:114098323	AC239281.3			156359	158189	chr2	114088388	114090213														
chr4:1449:13475	AC239281.3			145001	149438	chr4	9027	13475														
chr4:1449:13475	AC239281.3			155112	163670	chr4	1449	9963														
chr10:19508599:19528768	AC241375.2			103296	123422	chr10	19508599	19528768	90020	103294	X74280.1	1	371	90020	103336	X74281.1	1	337				
chr15:100307951:100336521	AC241375.2			20804	44213	chr15	100315154	100336521														
chr15:100307951:100336521	AC241375.2			50001	54777	chr15	100307951	100312736														
chr2:114044082:114075074	AC241375.2			16787	44721	chr2	114044082	114075074														
chr2:114044082:114075074	AC241375.2			50914	56023	chr2	114045263	114050390														
Gorilla	AC241375.2			chr2:114143792:114210877	AC241375.2	56346	83942	chr2	114143792	114171273												
		chr2:114143792:114210877	AC241375.2	145517	185000	chr2	114171366	114210877														
		chr3:199389743:199408870	AC241375.2	210696	229802	chr3	199389743	199408870														
		chr9:2285:38086	AC241375.2	15001	44721	chr9	2285	38086														
		chr9:2285:38086	AC241375.2	50001	56181	chr9	25739	31931														
		chr10:19508599:19528768	AC241375.2	103296	123422	chr10	19508599	19528768	90020	103294	X74280.1	1	371	90020	103336	X74281.1	1	337				
		chr15:100307951:100336521	AC241375.2	20804	44213	chr15	100315154	100336521														
		chr15:100307951:100336521	AC241375.2	50001	54777	chr15	100307951	100312736														
		chr2:114044082:114075074	AC241375.2	16787	44721	chr2	114044082	114075074														
		chr2:114044082:114075074	AC241375.2	50914	56023	chr2	114045263	114050390														
		chr2:114143792:114210877	AC241375.2	56346	83942	chr2	114143792	114171273														
		chr2:114143792:114210877	AC241375.2	145517	185000	chr2	114171366	114210877														
		chr3:199389743:199408870	AC241375.2	210696	229802	chr3	199389743	199408870														
		chr9:2285:38086	AC241375.2	15001	44721	chr9	2285	38086														
		chr9:2285:38086	AC241375.2	50001	56181	chr9	25739	31931														
		chr10:19541022:19573822	AC239628.1	26	25000	chr10	19541022	19573822	14269	14648	X74280.1	1	371	14269	14651	X74281.1	1	296				
		Gorilla	AC239628.1	chr10:19541022:19573822	AC239628.1	40001	56478	chr10	19548003	19566244	25835	38954	X74280.1	1	373	25835	38956	X74281.1	1	330		
				chr10:19541022:19573822	AC239628.1	125333	142144	chr10	19541022	19557947	57135	122407	X74280.1	1	373	57132	122406	X74281.1	1	343		
				chr1:239537080:239555667	AC239393.3	30001	44996	chr1	239537080	239555667	108828	143724	X74280.1	1	374	108828	143727	X74281.1	1	351		
chr16:88694263:88709379	AC239393.3			4	14960	chr16	88694263	88709379	157796	158239	X74280.1	1	371	157796	158242	X74281.1	1	296				
chr2:114147377:114211217	AC239393.3			45273	108814	chr2	114147377	1142														

Table S5. Pairwise distance calculation

Region: chr2 113996786 114006404																	
	Start	End	Sequence size		1	2	3	4	5	6	7	8	9	10	11		
[1] #AC183292.1 rc	60717	66802	6085	1													
[2] #hg17 chr9	72761	83240	10479	2	0.02												
[3] #ponAbe2 chr9	63019186	63029250	10064	3	0.037	0.033											
[4] #hg17 chr9 rc	68182581	68192206	9625	4	0.019	0.013	0.029										
[5] #hg17 chr2	113996786	114006404	9618	5	0.021	0.009	0.034	0.012									
[6] #AC192825.3	12002	18076	6074	6	0.015	0.02	0.037	0.02	0.022								
[7] #AC192825.3	59453	67944	8491	7	0.014	0.017	0.034	0.016	0.017	0.013							
[8] #AC184708.3 rc	163323	177841	14518	8	0.014	0.019	0.036	0.019	0.02	0.007	0.011						
[9] #AC184708.3 rc	64064	73947	9883	9	0.012	0.018	0.036	0.017	0.019	0.007	0.01	0.006					
[10] #AC150905.2	4537	14509	9972	10	0.011	0.019	0.036	0.018	0.02	0.012	0.012	0.011	0.009				
[11] #AC198877.1	14340	20411	6071	11	0.011	0.019	0.037	0.018	0.02	0.012	0.013	0.011	0.009	0.002			

Region: chr2 114016544 114026608																		
	Start	End	Sequence size		1	2	3	4	5	6	7	8	9	10	11	12	13	14
[1] #AC150905.2	27266	37264	9998	1														
[2] #AC198877.1	55930	65925	9995	2	0.004													
[3] #AC183292.1	47063	54412	7349	3	0.009	0.009												
[4] #AC184708.3 rc	86024	96028	10004	4	0.006	0.006	0.007											
[5] #AC196285.4	173832	183829	9997	5	0.008	0.007	0.009	0.007										
[6] #AC192825.3	37402	47391	9989	6	0.008	0.008	0.009	0.007	0.009									
[7] #AC194646.4	67566	77574	10008	7	0.015	0.015	0.016	0.014	0.015	0.013								
[8] #AC192975.3 rc	93195	103219	10024	8	0.013	0.013	0.013	0.012	0.013	0.011	0.015							
[9] #hg17 chr2	114016544	114026608	10064	10	0.018	0.018	0.018	0.016	0.018	0.015	0.019	0.017						
[10] #hg17 chr9	52553	62603	10050	11	0.018	0.018	0.018	0.016	0.018	0.016	0.018	0.017	0.005					
[11] #hg17 chr9	66947388	66957451	10063	12	0.018	0.018	0.018	0.016	0.018	0.016	0.02	0.017	0.014	0.014				
[12] #hg17 chr9	67185486	67195407	9921	13	0.018	0.018	0.017	0.016	0.018	0.016	0.019	0.017	0.013	0.014	0.006			
[13] #hg17 chr9 rc	68202409	68212474	10065	14	0.018	0.018	0.018	0.016	0.018	0.015	0.019	0.017	0.011	0.011	0.012	0.011		
[14] #ponAbe2 chrUn	15170555	15180669	10114	15	0.033	0.034	0.034	0.032	0.034	0.031	0.034	0.033	0.027	0.028	0.028	0.028	0.025	

Region: chr10 19564292 19576051															
	Start	End	Sequence size		1	2	3	4	5	6	7	8	9	10	
[1] #AC241376.2	21136	28864	7728	1											
[2] #AC239711.2 rc	1	3712	3711	2	0.008										
[3] #AC239931.2 rc	15929	22179	6250	3	0.02	0.018									
[4] #AC239628.1 rc	10585	14268	3683	4	0.019	0.017	0.021								
[5] #AC239931.2	77917	81190	3273	5	0.018	0.016	0.005	0.02							
[6] #hg17 chr10 rc	19564292	19576051	11759	6	0.025	0.023	0.024	0.027	0.022						
[7] #AC152419.2	93953	103951	9998	7	0.015	0.013	0.014	0.017	0.012	0.016					
[8] #AC183608.3	132940	138895	5955	8	0.014	0.012	0.014	0.016	0.012	0.015	0				
[9] #ponAbe2 chr10	20026147	20030619	4472	9	0.045	0.043	0.045	0.047	0.042	0.035	0.037	0.037			
[10] #AC191679.2	106779	115272	8493	10	0.014	0.012	0.014	0.016	0.012	0.015	0	0	0.037		

Region: chr10 19541142 19549347															
	Start	End	Sequence size		1	2	3	4	5	6	7	8	9	10	11
[1] #AC241376.2	10749	20725	9976	1											
[2] #AC239628.1	134030	142675	8645	2	0.002										
[3] #AC239711.2 rc	5002	14078	9076	3	0.002	0.002									
[4] #AC239598.1	62011	72009	9998	4	0.002	0.002	0.002								
[5] #AC239931.2	58442	68453	10011	5	0.018	0.019	0.017	0.019							
[6] #ponAbe2 chr10	19994255	20002519	8264	6	0.049	0.049	0.047	0.049	0.053						
[7] #hg17 chr10 rc	19541143	19549347	8204	7	0.027	0.027	0.025	0.027	0.03	0.048					
[8] #AC239931.2 rc	81283	84647	3364	8	0.014	0.014	0.012	0.014	0.015	0.048	0.026				
[9] #AC241501.1 rc	27610	30977	3367	9	0.018	0.018	0.016	0.018	0.02	0.053	0.031	0.015			
[10] #AC241375.2 rc	123748	127093	3345	10	0.011	0.011	0.009	0.011	0.015	0.047	0.024	0.01	0.015		
[11] #AC239628.1 rc	2148	10447	8299	11	0.006	0.005	0.006	0.006	0.023	0.053	0.031	0.018	0.022	0.015	