

Supplementary Table 3 - Comparative analysis of chimpanzee and human ampliconic genes

<i>BPY2</i>	<u>Species</u>	<u>Copy number</u>	<u>Genomic position<sup>1</sup></u>		<u>Strand</u>	<u>CD length</u>
	Chimp		1	4126394	4147244	+
		2	12758472	12779478	-	320
Human		1	23539798	23561000	+	320
		2	25173539	25194742	+	320
		3	25586436	25607639	-	320
		Average	<u>% div-mRNA</u>	<u>% div-coding</u>	<u>% div-introns</u>	
		Chimp vs Human	1.039	0.935	1.504	
<i>CDY</i>	<u>Species</u>	<u>Copy number</u>	<u>Genomic position</u>		<u>Strand</u>	<u>CD length</u>
	Chimp		1	758698	760912	+
		2	5145704	5147918	-	1625
		3	5314400	5316614	+	1625
		4	13796443	13798657	-	1625
		5	13934665	13936879	+	1625
Human		1	18499278	18501492	-	1625
		2	18647063	18649277	+	1625
		3	24601328	24603549	-	1622
		4	26177652	26179873	+	1622
		Average	<u>% div-mRNA</u>	<u>% div-coding</u>	<u>% div-introns</u>	
		Chimp vs Human	1.656	1.705	na	
<i>DAZ</i>	<u>Species</u>	<u>Copy number</u>	<u>Genomic position</u>		<u>Strand</u>	<u>CD length</u>
	Chimp		1	3829278	3876908	-
		2	3897421	4010151	+	4142
		3	12895591	12952794	-	1460
		4	12973307	13028128	+	1388
Human		1	23684890	23754627	-	2234
		2	23774984	23846891	+	1964
		3	25318604	25369012	-	1316
		4	25389370	25462575	+	2666
		Average	<u>% div-mRNA</u>	<u>% div-coding</u>	<u>% div-introns</u>	
		Chimp vs Human	1.788	2.188	1.422	

<i>RBMV</i>	<u>Species</u>	<u>Copy number</u>	<u>Genomic position</u>		<u>Strand</u>	<u>CD length</u>
	Chimp	1	9240538	9254995	+	1493
		2	9535020	9549479	+	1493
		3	9977396	9991846	-	1382
		4	10268562	10283023	+	1493
		5	10709041	10723498	-	1493
		6	16905850	16920273	+	1493
	Human	1	22082646	22097060	+	1490
		2	22106187	22120600	+	1490
		3	22435611	22450027	-	1490
		4	22459153	22473568	-	1490
		5	22724077	22738483	-	1490
		6	22959005	22973416	+	1490
		Average Chimp vs Human	<u>% div-mRNA</u> 2.875	<u>% div-coding</u> 2.728	<u>% div-introns</u> 2.511	

<i>TSPY</i>	<u>Species</u>	<u>Copy number</u>	<u>Genomic position</u>		<u>Strand</u>	<u>CD length</u>
	Chimp	1	2061052	2063837	+	794
		2	2071814	2074599	+	794
		3	2082576	2085361	+	794
		4	2093338	2096123	+	794
		5	11041909	11044694	+	794
		6	15220220	15223005	+	794
	Human	1	6174264	6177053	+	926
		2	9235077	9237886	+	944
		3	9255410	9258201	+	926
		4	9296034	9298825	+	926
		5	9914568	9917357	+	926
		6	9934872	9937689	+	944
		7	9955163	9957971	+	926
		Average Chimp vs Human	<u>% div-mRNA</u> 1.700	<u>% div-coding</u> 0.794	<u>% div-introns</u> 2.888	

<i>VCY</i>	<u>Species</u>	<u>Copy number</u>	<u>Genomic position</u>		<u>Strand</u>	<u>CD length</u>
	Chimp	1	21697308	21698278	-	374
		2	21770806	21771780	+	374
	Human	1	14607046	14607786	-	377
		2	14677492	14678232	+	377
		Average Chimp vs Human	<u>% div-mRNA</u> 4.611	<u>% div-coding</u> 4.298	<u>% div-introns</u> 1.579	

<i>XKRY</i>	<u>Species</u>	<u>Copy number</u>	<u>Genomic position</u>		<u>Strand</u>	<u>CD length</u>
	Chimp	1	872825	874403	+	122
		2	5032088	5033666	-	122
		3	5428601	5430179	+	122
		4	13682851	13684429	-	122
		5	14049000	14050578	+	122
	Human	1	18390254	18391834	-	353
		2	18756723	18758303	+	353
		Average	<u>% div-mRNA</u>	<u>% div-coding</u>	<u>% div-introns</u>	
		Chimp vs Human	1.863	1.626	na	

<sup>1</sup>For chimpanzee, gene positions are based on sequence assembly in Supplementary File 1; for human, gene positions are based on NCBI build 36.3