

Supplementary Table I. Synteny blocks (larger than 10 Mbp) between human (HSA) and ten vertebrate species (*Pan troglodytes*, *Pongo pygmaeus*, *Macaca mulatta*, *Mus musculus*, *Rattus norvegicus*, *Canis familiaris*, *Bos taurus*, *Equus caballus*, *Monodelphis domestica* and *Gallus gallus*) analyzed in this study.

HSA chr	synteny block			analyzed region	ITS
	start	end	length		
1	93.678.279	103.963.688	10.285.409	93750000-103750000	none
2	139.781.766	153.340.285	13.558.519	141500000-151500000	none
2	160.371.698	183.348.414	22.976.716	166800000-176800000	none
3	63.992.755	75.194.035	11.201.280	64500000-74500000	none
4	130.321.097	141.409.681	11.088.584	131000000-141000000	none
5	18.589.077	31.587.394	12.998.317	20000000-30000000	none
5	154.405.899	167.898.962	13.493.063	156000000-166000000	none
6	88.039.107	100.351.735	12.312.628	89000000-99000000	none
8	98.831.934	120.526.643	21.694.709	105000000-115000000	none
8	122.033.975	142.388.306	20.354.331	127000000-137000000	none
10	104.218.592	121.122.789	16.904.197	108000000-118000000	none
12	74.177.244	85.549.892	11.372.648	75000000-85000000	none
13	66.103.325	80.773.033	14.669.708	68500000-78500000	none
13	90.050.977	101.879.544	11.828.567	90500000-100500000	none
14	73.428.250	90.701.319	17.273.069	77000000-87000000	none