

	Number present in Species	Mean Percent Identical
Dog	34194 (99.1%)	96.8%
Chicken	25373 (73.6%)	85.7%
Frog	18712 (54.2%)	77.7%
Fish	12150 (35.2%)	73.3%
All four species	10152 (29.4%)	86.8%

Table S2. Conservation in additional species. Conservation patterns of 34,497 primate-rodent conserved regions among more distantly related vertebrates. Mean percent identical gives the average proportion of bases that match human (hg17, build 35) among the regions that are present in that species. Average percent identity with human is 86.8%, which is very high compared to typical orthologously alignable DNA (*e.g.* 67% in mouse³⁴ and 60% in fish³²).