

Table S2: General information and accession numbers in NCBI Short Reads Archive of the mammal dataset

Common name	Latin name	Read length (bp)	Total bp(MB)	Coverage	Sequencing platform	Accession
Orangutan	<i>Pongo abelii</i>	100	18,965	5.39	Illumina HiSeq 2000	SRR748032
Gorilla	<i>Gorilla gorilla</i>	100	9,404	2.73	Illumina HiSeq 2000	SRR748194
Human	<i>Homo sapiens</i>	100	6,969	2.04	Illumina HiSeq 2000	ERR251906
Chimpanzee	<i>Pan troglodytes</i>	101	7,056	2.09	Illumina Genome Analyzer II	ERR032961
Macaque	<i>Macaca mulatta</i>	49	9,513	2.76	Illumina Genome Analyzer II	SRR278740
Baboon	<i>Papio anubis</i>	95	6,383	1.85	Illumina Genome Analyzer IIx	SRR927656
Bushbaby	<i>Otolemur garnettii</i>	101	3,216	0.91	Illumina Genome Analyzer II	SRR016879
Cat	<i>Felis catus</i>	563	5,091	1.79	454 GS FLX Titanium	SRR069335-SRR069379
Pika	<i>Ochotona princeps</i>	110	9,800	2.05	Illumina HiSeq 2000	SRR402203-SRR402205 SRR402207
Squirrel	<i>Spermophilus tridecemlineatus</i>	101	18,000	7.26	Illumina HiSeq 2000	SRR305235 SRR305236 SRR317823
Rat	<i>Rattus norvegicus</i>	91	10,200	3.51	Illumina Genome Analyzer II	SRR351210
Mouse	<i>Mus musculus</i>	37	13,900	5.01	Illumina HiSeq 2000	SRR091261
Horse	<i>Equus przewalski</i>	99	13,269	5.36	Illumina HiSeq 2000	SRR896620 SRR896621 SRR896641 SRR896644 SRR899939
Hedgehog	<i>Erinaceus europaeus</i>	102	10,000	2.96	Illumina HiSeq 2000	SRR396597
Alpaca	<i>Vicugna pacos</i>	501	7,561	2.55	454 GS FLX Titanium	SRR531044-SRR531070
Common Shrew	<i>Sorex araneus</i>	102	11,100	3.77	Illumina HiSeq 2000	SRR278622
Dog	<i>Canis lupus familiaris</i>	45	5,500	2.28	Illumina Genome Analyzer IIx	SRR782085
Sloth	<i>Choloepus hoffmanni</i>	101	20,500	8.31	Illumina HiSeq 2000	SRR866928