

Table S1. Sequences of adult-expressed  $\alpha$ - and  $\beta$ -type globin genes that were used in the reference alignment.

Species	GenBank accession number	Label
Human, <i>Homo sapiens</i>	NG_000006	Human <i>HBA</i>
	NG_000007	Human <i>HBD</i>
	NG_000007	Human <i>HBB</i>
Dog, <i>Canis lupus familiaris</i>	ENSCAFG00000029904	Dog <i>HBA</i>
	AC127473	Dog <i>HBD-T1</i>
	AC127473	Dog <i>HBD-T2</i>
	AC127473	Dog <i>HBB/D</i>
Ferret, <i>Mustela putorius furo</i>	AC232652	Ferret <i>HBA</i>
	AC231452	Ferret <i>HBD-T1</i>
	AC231452	Ferret <i>HBD-T2</i>
	AC231452	Ferret <i>HBB/D</i>
Cat, <i>Felis catus</i>	AC219132	Cat <i>HBA</i>
	AC129072	Cat <i>HBB/D</i>
	AC129072	Cat <i>HBB</i>
Siberian tiger, <i>Panthera tigris altaica</i>	ATCQ01121671	Siberian tiger <i>HBA</i>
	XXXX (pending)	Siberian Tiger <i>HBB/D</i>
	ATCQ01114550	Siberian tiger <i>HBB</i>
Snow leopard, <i>Panthera uncia</i>	XXXX (pending)	Snow leopard <i>HBA</i>
	XXXX (pending)	Snow leopard <i>HBB/D</i>
	AC129072	Snow leopard <i>HBB</i>
African lion, <i>Panthera leo</i>	P18975	African lion <i>HBA</i>
	XXXX (pending)	African lion <i>HBB/D</i>
	P68050	African lion <i>HBB</i>
Leopard, <i>Panthera pardus</i>	P63110	Leopard <i>HBA</i>
	XXXX (pending)	Leopard <i>HBB/D</i>
	1206295B	Leopard <i>HBB</i>
Jaguar, <i>Panthera onca</i>	P63109	Jaguar <i>HBA</i>
	XXXX (pending)	Jaguar <i>HBB/D</i>
	P68064	Jaguar <i>HBB</i>