

HBA HUMAN	MVLSPADKTNVKAAWGKVGAGHAGEYGAEALERMF	LSFPTTKTYFPHFDLSHGSAQVKGHGKKVADAL	TNAVAVHDDMPNALSALSDLHAHKLRVDPVNFKLLSHCLLVTL	110
HBA Gorilla	MVLSPADKTNVKAAWGKVGAGHAGEYGAEALERMF	LSFPTTKTYFPHFDLSHGSAQVKGHGKKVADAL	TNAVAVHDDMPNALSALSDLHAHKLRVDPVNFKLLSHCLLVTL	110
HBA Porpoise	MVLSPADKTNVKAAWGKVGAGHAGEYGAEALERMF	LSFPTTKTYFPHFDLSHGSAQVKGHGKKVADAL	TNAVAVHDDMPNALSALSDLHAHKLRVDPVNFKLLSHCLLVTL	110
HBA Capucin	MVLSPADKTNVKAAGKVGAGHAGDYGADALERMF	LSFPTTKTYFPHFDLSHGSAQVKGHGKKVADAL	TNAVAVHDDMPNALSALSDLHAHKLRVDPVNFKLLSHCLLVTL	110
HBA MOUSE	MVLSGEDKSNIKAAWGKICGGHAGEYGAEALERMF	ASFPTTKTYFPHFDVSHGSAQVKGHGKKVADAL	ASAGHLDDLPGALSALSDLHAHKLRVDPVNFKLLSHCLLVTL	110
HBA Pit Viper	MVLSDDDKAKVRAAWVPAKNAEMYGSETLTRMF	AARPTTKAYFPHFDLSPGSSDLKTHGKKVVDAL	TEAVNDLDDVPGALSELSDLHAHKLRVDPVNFKLLGHCLLVTM	110
HBA Loggerhead	VLSSGDKANVKSVMKVGQGHLEDYGAETLDRMF	TVFPQTKTYFSHPFVHVGSTQIRSHGKKVMLAL	GDVAVHIDDITATLSALSDKHAHTLRVDPVNFKLLSHCLLVVV	109
HBA Owl Parrot	MTLTQAEKAAAVVTIIWAKVATQADAI	GAESLERLFFSYPPQTKTYFPHFDLSQGSTQLR	HGSKVMNAIGEAVKNIDDIRGALAKLSELAHYTLRVDPVNFKLLSHCLLVCSV	110
consensus	*****	*****	*****	*****

HBA HUMAN	AAHLPAEFTPAVHASLDKFLASVSTVLTSKYR	142
HBA Gorilla	AAHLPAEFTPAVHASLDKFLASVSTVLTSKYR	142
HBA Porpoise	AAHLPAEFTPAVHASLDKFLASVSTVLTSKYR	142
HBA Capucin	AAHHPADFTPAVHASLDKFLASVSTVLTSKYR	142
HBA MOUSE	ASHHPADFTPAVHASLDKFLASVSTVLTSKYR	142
HBA Pit Viper	AVHNGGPLKPSVILALDKFLDLVAKVLVSRYR	142
HBA Loggerhead	ARHHPITLFTPDVHVSLDKFMGTVSTVLTSKYR	141
HBA Owl Parrot	AARYPNDFETPEVHAAWDKFLSSVSSVLTEKYR	142
consensus	! * * * * * ! * * * * * ! * * * * * ! * * * * * !	