

Additional file 3. Alignment of TAS1R1 amino acid sequences of 35 catarrhine primates. Variant residues are marked with red.

	1	50	100
<i>Mandrillus sphinx</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	TGSFNEHG
<i>Cercocebus chrysogaster</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	TGSFNEHG
<i>Papio hamadryas</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	TGSFNEHG
<i>Lophocebus aterrimus</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	TGSFNEHG
<i>Theropithecus gelada</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	TGSFNEHG
<i>Macaca fuscata</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	TGSFNEHG
<i>Macaca arctoides</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	TGSFNEHG
<i>Macaca assamensis</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	TGSFNEHG
<i>Chlorocebus sabaceus</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	PGSFNEHG
<i>Erythrocebus patas</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DR	PGSFNEHG
<i>Cercopithecus mitis</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRSGSFNEHG	YHLFQAMRLGV
<i>Cercopithecus albogularis</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRSGSFNEHG	YHLFQAMRLGV
<i>Pygathrix nigripes</i>	MLLCTACLVGLQLLISCCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPGSFNEHG
<i>Pygathrix nemaeus</i>	MLLCTACLVGLQLLISCCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPGSFNEHG
<i>Nasalis larvatus</i>	MLLCTACLVGLQLLISCCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPGSFSEHG
<i>Rhinopithecus roxellana</i>	MLLCTACLVGLQLLISCCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPGSFNEHG
<i>Rhinopithecus brelichi</i>	MLLCTACLVGLQLLISCCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPGSFNEHG
<i>Rhinopithecus bieti</i>	MLLCTACLVGLQLLISCCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPGSFNEHG
<i>Trachypithecus francoisi</i>	MLLCTACLVGLQLLISCCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVT	LYDRPGSFNEHG
<i>Semnopithecus vetulus</i>	MLLCTACLVGLQLLISCCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPGSFNEHG
<i>Presbytis melalophos</i>	MLLCTACLVGLQLLISHCWAFACHST	KPSPDFTLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPGSFNEHG
<i>Colobus polykomos</i>	MLLCTACLVGLQLLISCCWAFACHSTEPSPD	FLPGDYLLAGLFPLHSGCLQVRHRPEVTLC	DRPASFNEHG
<i>Pan troglodytes</i>	MLLC	KARLVGLQLLISCCWAFACHSTEPSPD	FLHGDYLLAGLFPLHSGCLQVRHRPEVTLC
<i>Pan paniscus</i>	MLLC	KARLVGLQLLISCCWAFACHSTEPSPD	FLPGDYLLAGLFPLHSGCLQVRHRPEVTLC
<i>Homo sapiens</i>	MLLCTA	RLVGLQLLISCCWAFACHSTEPSPD	FLPGDYLLAGLFPLHSGCLQVRHRPEVTLC
<i>Gorilla gorilla gorilla</i>	MLLCTA	RLVGLQLLISCCWAFACHSTEPSPD	FLPGDYLLAGLFPLHSGCLQVRHRPEVTLC
<i>Pongo abelii</i>	MLLCTA	RLVGLQLLI	FCCWAFACHSTEPSP
<i>Hoolock hoolock</i>	MLLCTA	RLVGLQLLIS	WCWAFACHSTEPSP
<i>Symphalangus syndactylus</i>	MLLCTA	RLVGLQLLIS	WCWAFACHSTEPSP
<i>Hylobates lar</i>	MLLCTA	RLVGLQLLIS	WCWAFACHSTEPSP
<i>Hylobates abbotti</i>	MLLCTA	RLVGLQLLIS	WCWAFACHSTEPSP
<i>Hylobates agilis</i>	MLLCTA	RLVGLQLLIS	WCWAFACHSTEPSP
<i>Hylobates pileatus</i>	MLLCTA	RLVGLQLLIS	WCWAFACHSTEPSP
<i>Nomascus leucogenys</i>	MLLCTA	RLVGLQLLIS	WCWAFACHSTEPSP
<i>Nomascus annamensis</i>	MLLCTA	RLVGLQLLIS	WCWAFACHSTEPSP

<i>Mandrillus sphinx</i>	QLYDVCSDSANVYATLSVLSLPGPRHIELQGDDLCSYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Cercocebus chrysogaster</i>	QLYDVCSDSANVYATLSVLSLPGPRHIELQGDLRLYSPKVLAVIGPDTTNHAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Papio hamadryas</i>	QLYDVCSDSANVYATLSVLSLPGPRHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Lophocebus aterrimus</i>	QLYDVCSDSANVYATLSVLSLPGPRHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Theropithecus gelada</i>	QLYDVCSDSANVYATLSVLSLPGPRHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Macaca fuscata</i>	QLYDVCSDSANVYATLSVLSLPGPRHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Macaca arctoides</i>	QLYDVCSDSANVYATLSVLSLPGPRHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Macaca assamensis</i>	QLYDVCSDSANVYATLSVLSLPGPRHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Chlorocebus sabaceus</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPSDKYQVETMV
<i>Erythrocebus patas</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQEDLLRYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPSDKYQVETMV
<i>Cercopithecus mitis</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPSDKYQVETMV
<i>Cercopithecus albogularis</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPSDKYQVETMV
<i>Pygathrix nigripes</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQGDLRLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKQYPSFLRTIPNDKYQVETMV
<i>Pygathrix nemaeus</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQGDLRLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Nasalis larvatus</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQEDLLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Rhinopithecus roxellana</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQGDLRLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Rhinopithecus brelichi</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQGDLRLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Rhinopithecus bieti</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQGDLRLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Trachypithecus francoisi</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQGDLRLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Semnopithecus vetulus</i>	QLYDVCSDSANVYATLRVLSLPGPRHIELQGDLRLHYSPKVLAVIGPDTTSRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Presbytis melalophos</i>	QLYDVCSDSANVYATLTVLSLPGPHHIELQGDLRLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Colobus polykomos</i>	QLYDVCSDSASVYATLSVLSLPGPRHIELQGDLRLHYSPKVLAVIGPDTTNRAATTAALLSPFLMPLISYGASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Pan troglodytes</i>	QLYDVCSDSANVYATLRVLSLPGQHHEIELQGDLRLHYSPTVLAVIGPDSNRAATTAALLSPFLVPMISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Pan paniscus</i>	QLYDVCSDSANVYATLRVLSLPGQHHEIELQGDLRLHYSPTVLAVIGPDSNRAATTAALLSPFLVPMISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Homo sapiens</i>	QLYDVCSDSANVYATLRVLSLPGQHHEIELQGDLRLHYSPTVLAVIGPDSNRAATTAALLSPFLVPMISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Gorilla gorilla gorilla</i>	QLYDVCSDSANVYATLRVLSLPGQHHEIELQGDLRLHYSPTVLAVIGPDSNRAATTAALLSPFLVPMISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Pongo abelii</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPMVLAVIGPDSNRAATTAALLSPFLVPMISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Hoolock hoolock</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPTVLAVIGPDSNHAATTAALLSPFLVPLISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Symphalangus syndactylus</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPTVLAVIGPDSNHAATTAALLSPFLVPLISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Hylobates lar</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPTVLAVIGPESTNHAATTAALLSPFLVPLISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Hylobates abbotti</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPTVLAVIGPESTNHAATTAALLSPFLVPLISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Hylobates agilis</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPTVLAVIGPESTNHAATTAALLSPFLVPLISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Hylobates pileatus</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPTVLAVIGPESTNHAATTAALLSPFLVPLISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Nomascus leucogenys</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPTVLAVIGPDSNHAATTAALLSPFLVPLISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV
<i>Nomascus annamensis</i>	QLYDVCSDSANVYATLRVLSLPGPHHIELQGDLRLHYSPTVLAVIGPDSNHAATTAALLSPFLVPLISYAAASSETLSVKRQYPSFLRTIPNDKYQVETMV

<i>Mandrillus sphinx</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGDQRMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Cercocebus chrysogaster</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGDQRMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Papio hamadryas</i>	LLLQRF ^R GWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGDQRMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Lophocebus aterrimus</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGDQRMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Theropithecus gelada</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGDQRM ^H RLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Macaca fuscata</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGDQRMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Macaca arctoides</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGDQRMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Macaca assamensis</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGDQRMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Chlorocebus sabaceus</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Erythrocebus patas</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Cercopithecus mitis</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Cercopithecus albogularis</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Pygathrix nigripes</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQ ^S TATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Pygathrix nemaeus</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQ ^S TATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Nasalis larvatus</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESV ^L LANLTGKVWVAS
<i>Rhinopithecus roxellana</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Rhinopithecus brelichi</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Rhinopithecus bieti</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Trachypithecus francoisi</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Semnopithecus vetulus</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Presbytis melalophos</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RMQRLMRHLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Colobus polykomos</i>	LLLQRFGWTTWISLVGSSGDYQGLGVQALEKQATDQGICIAFKDIVPFSQVGD ^Q RM ^H HLAQATATVVVFSNRPLARVFFESVVLANTGKVWVAS
<i>Pan troglodytes</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSAQVGD ^Q CLMRHLAQAGATVVVFS ^{SR} QLARVFFESV ^{LT} NLTGKVWVAS
<i>Pan paniscus</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSAQVGD ^Q CLMRHLAQAGATVVVFS ^{SR} QLARVFFESV ^{LT} NLTGKVWVAS
<i>Homo sapiens</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSAQVGD ^Q CLMRHLAQAGATVVVFS ^{SR} QLARVFFESV ^{LT} NLTGKVWVAS
<i>Gorilla gorilla gorilla</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSAQVGD ^Q CLMRHLAQAGATVVVFS ^{SR} QLARVFFESV ^{LT} NLTGKVWVAS
<i>Pongo abelii</i>	LLLQ ^K ^R FWTTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSAQVGD ^Q CLMRHLAQARATVVVFS ^{SR} QLARVFFESVVLANTGKVWVAS
<i>Hoolock hoolock</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QATDQGICIAFKD ^I MPFSA ^{HV} GDERMQ ^{CLMR} RLAQATATVVVFS ^{SR} QLARVFFESVVLANTGKVWVAS
<i>Symphalangus syndactylus</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSA ^{HV} GDERMQ ^{CLMR} RLAQARATVVVFS ^{SR} QLARVFFESVVLANTGKVWVAS
<i>Hylobates lar</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSA ^{HV} GDERMQ ^{CLMR} RLAQARATVVVFS ^{GR} QLARVFFESVVLANTGKVWVAS
<i>Hylobates abbotti</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSA ^{HAG} DERMQ ^{CLMR} RLAQARATVVVFS ^{GR} QLARVFFESVVLANTGKVWVAS
<i>Hylobates agilis</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSA ^{HV} GDERMQ ^{CLMR} RLAQARATVVVFS ^{GR} QLARVFFESVVLANTGKVWVAS
<i>Hylobates pileatus</i>	LLLQ ^K FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSA ^{HV} GDERMQ ^{CLMR} RLAQARATVVVFS ^{GR} QLARVFFESVVLANTGKVWVAS
<i>Nomascus leucogenys</i>	LLL ^{KK} FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSA ^{HV} GDERMQ ^{CLMR} RLAQARATVVVFS ^{SR} QLARVFFESVVLANTGKVWVAS
<i>Nomascus annamensis</i>	LLL ^{KK} FGWTWISLVGSS ^{DDY} QGLGVQALE ^N QAT ^G QGICIAFKD ^I MPFSA ^{HV} GDERMQ ^{CLMR} RLAQARATVVVFS ^{SR} QLARVFFESVVLANTGKVWVAS

<i>Mandrillus sphinx</i>	EAWVLSRHHITGVPGIQRIGTIVLGVAIQKRIVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Cercocebus chrysogaster</i>	EAWVLSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYRADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Papio hamadryas</i>	EAWVLSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Lophocebus aterrimus</i>	EAWVLSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Theropithecus gelada</i>	EAWVLSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Macaca fuscata</i>	EAWVLSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Macaca arctoides</i>	EAWVLSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Macaca assamensis</i>	EAWVLSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Chlorocebus sabaceus</i>	EAWVLSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Erythrocebus patas</i>	EAWVLSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Cercopithecus mitis</i>	EAWVLSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYCAVYAVAHGL
<i>Cercopithecus albogularis</i>	EAWVLSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYCAVYAVAHGL
<i>Pygathrix nigripes</i>	EAWALSRHITGVPGIQRIGTIVLGVTIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Pygathrix nemaeus</i>	EAWALSRHITGVPGIQRIGTIVLGVTIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Nasalis larvatus</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Rhinopithecus roxellana</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Rhinopithecus brelichi</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Rhinopithecus bieti</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Trachypithecus francoisi</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Semnopithecus vetulus</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKSSCCSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Presbytis melalophos</i>	EAWVLSRHVTGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGDPRPCHKSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Colobus polykomos</i>	EAWVLSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHNSSCCSSNQVCRECEAFTAHTMPKLGKFSMSSAYNAYQAVYAVAHGL
<i>Pan troglodytes</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPLKAFFEEAYARADKEAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Pan paniscus</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPLKAFFEEAYARADKEAPWPRCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Homo sapiens</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRAVPGLKAFFEEAYARADKEAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Gorilla gorilla gorilla</i>	EAWALSRHITGVPGIQRIGMVLGVAIQKRTVPGLKAFFEEAYARADKEAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Pongo abelii</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Hoolock hoolock</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Symphalangus syndactylus</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Hylobates lar</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Hylobates abbotti</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Hylobates agilis</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Hylobates pileatus</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Nomascus leucogenys</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL
<i>Nomascus annamensis</i>	EAWALSRHITGVPGIQRIGTIVLGVAIQKRTVPGLKAFFEEAYARADKGAPRPCHKGSWCSSNQLCRECQAFMAHTMPKLGKFSMSSAYNAYRAVYAVAHGL

<i>Mandrillus sphinx</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETK L QWHGKDNQVPKSVCS
<i>Cercocebus chrysogaster</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQL N INETKI QWHGKDNQVPKSVCS
<i>Papio hamadryas</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Lophocebus aterrimus</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Theropithecus gelada</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Macaca fuscata</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Macaca arctoides</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Macaca assamensis</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Chlorocebus sabaceus</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Erythrocebus patas</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Cercopithecus mitis</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Cercopithecus albogularis</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLHDKDTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Pygathrix nigripes</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTW Y PVQLDINETKI QWHGKDNQVPKSVCS
<i>Pygathrix nemaeus</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTW Y PVQLDINETKI QWHGKDNQVPKSVCS
<i>Nasalis larvatus</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Rhinopithecus roxellana</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTW Y PVQLDINETKI QWHGKDNQVP N SVCS
<i>Rhinopithecus brelichi</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTW Y PVQLDINETKI QWHGKDNQVP N SVCS
<i>Rhinopithecus bieti</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTW Y PVQLDINETKI QWHGKDNQVP N SVCS
<i>Trachypithecus francoisi</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Semnopithecus vetulus</i>	H RLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Presbytis melalophos</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Colobus polykomos</i>	HQLLGCAAGVCSRGRVYPWQLEQIHKVNFLH E DTVMFNDNGDPLSSYNI IAWDWSGPKWFTFTVLGSSTWSPVQLDINETKI QWHGKDNQVPKSVCS
<i>Pan troglodytes</i>	HQLLGCAAG A CSRGRVYPWQLEQIHKV H FLHDKDTV A FNDNGDPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGKDNQVPKSVCS
<i>Pan paniscus</i>	HQLLGCAAG A CSRGRVYPWQLEQIHKV H FLHDKDTV A FNDNGDPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGKDNQVPKSVCS
<i>Homo sapiens</i>	HQLLGCAAG A CSRGRVYPWQLEQIHKV H FLHDKDTV A FNDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGKDNQVPKSVCS
<i>Gorilla gorilla gorilla</i>	HQLLGCAAG A CSRGRVYPWQLEQIHKV H FLHDKDTV A FNDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGKDNQVPKSVCS
<i>Pongo abelii</i>	HQLLGCAAG A CSRGRVYPWQLEQIHKVNFLHDKDTV T FNDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGKDNQVPKSVCS
<i>Hoolock hoolock</i>	HQLLGCAAG A CSRGRVYPWQLEQI Y KVNFLHDKDTVMF DDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGK NN QVPKSVCS
<i>Symphalangus syndactylus</i>	HQLLGCAAG A CSRGRVYPWQLEQI Y KVNFLHDKDTVMF DDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGK NN QVPKSVCS
<i>Hylobates lar</i>	HQLLGCAAG A CSRGRVYPWQLEQI Y KVNFLHDKDTVMF DDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGK NN QVPKSVCS
<i>Hylobates abbotti</i>	HQLLGCAAG A CSRGRVYPWQLEQI Y KVNFLHDKDTVMF DDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGK NN QVPKSVCS
<i>Hylobates agilis</i>	HQLLGCAAG A CSRGRVYPWQLEQI Y KVNFLHDKDTVMF DDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGK NN QVPKSVCS
<i>Hylobates pileatus</i>	HQLLGCAAG A CSRGRVYPWQLEQI Y KVNFLHDKDTVMF DDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGK NN QVPKSVCS
<i>Nomascus leucogenys</i>	HQLLGCAAG A CSRGRVYPWQLEQI Y KVNFLHDKDTVMF DDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGK NN QVPKSVCS
<i>Nomascus annamensis</i>	HQLLGCAAG A CSRGRVYPWQLEQI Y KVNFLHDKDTVMF DDN R DPLSSYNI IAWD W NGPKWFTFTVLGSSTWSPVQL N INETKI QWHGK NN QVPKSVCS

<i>Mandrillus sphinx</i>	CLEGHQRVVTGFH P CCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Cercocebus chrysogaster</i>	CLEGHQRVVTGFH P CCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Papio hamadryas</i>	CLEGHQRVVTGFH P CCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Lophocebus aterrimus</i>	CLEGHQRVVTGFH P CCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Theropithecus gelada</i>	CLEGHQRVVTGFH P CCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Macaca fuscata</i>	CLEGHQRVVTGFH P CCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Macaca arctoides</i>	CLEGHQRVVTGFH P CCFECVPCGAG S FLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQE H SSVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Macaca assamensis</i>	CLEGHQRVVTGFH P CCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQE H SSVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Chlorocebus sabaceus</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Erythrocebus patas</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Cercopithecus mitis</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Cercopithecus albogularis</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Pygathrix nigripes</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Pygathrix nemaeus</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Nasalis larvatus</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSW M LLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Rhinopithecus roxellana</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Rhinopithecus brelichi</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Rhinopithecus bieti</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Trachypithecus francoisi</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Semnopithecus vetulus</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Presbytis melalophos</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Colobus polykomos</i>	CLEGHQRVVT D FH R CCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLACQEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Pan troglodytes</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLA L HEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Pan paniscus</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLA L HEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Homo sapiens</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLA L REHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Gorilla gorilla gorilla</i>	CLEGHQRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLA L HEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Pongo abelii</i>	CLEGHQRVV M GFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCFPRTVVFLA L HEHTSWVLLAANTLLLLLLGTAGLFAWHLDTPVVRSA
<i>Hoolock hoolock</i>	CLEG Y QRVV M GFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCF L RTVVFLA W HEHT T WVLLAANT V LLLLLLGTAGLFAWHLDTPVVRSA
<i>Symphalangus syndactylus</i>	CLEG Y QRVV M GFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCF L RTVVFLA W HEHTSWVLLAANT A LLLLLLGTAGLFAWHLDTPVVRSA
<i>Hylobates lar</i>	CLEG Y QRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCF V RTVVFLA W HEHTSWVLLAANT V LLLLLLGTAGLFAWHLDTPVVRSA
<i>Hylobates abbotti</i>	CLEG Y QRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCF L RTVVFLA W HEHTSWVLLAANT V LLLLLLGTAGLFAWHLDTPVVRSA
<i>Hylobates agilis</i>	CLEG Y QRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCF L RTVVFLA W HEHTSWVLLAANT V LLLLLLGTAGLFAWHLDTPVVRSA
<i>Hylobates pileatus</i>	CLEG Y QRVVTGFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCF L RTVVFLA W HEHTSWVLLAANT V LLLLLLGTAGLFAWHLDTPVVRSA
<i>Nomascus leucogenys</i>	CLEG Y QRVV M GFHHCCFECVPCGAGTFLNKSDLYRCQPCGKEEWAPEGSQTCF L RTV A FLA W HEHTSWVLLAANT V LLLLLLGTAGLFAWHLDTPVVRSA
<i>Nomascus annamensis</i>	CLEG Y QRVV M GVHHCCFECVPCGAGTFLNKSD F YRCQPCGKEEWAPEGSQTCF L RTV A FLA W HEHTSWVLLAANT V LLLLLLGTAGLFAWHLDTPVVRSA

<i>Mandrillus sphinx</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Cercocebus chrysogaster</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Papio hamadryas</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Lophocebus aterrimus</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Theropithecus gelada</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Macaca fuscata</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSAKAPTFYRVVWQNHGAGLFVMISSAAQLLICLTWLVV
<i>Macaca arctoides</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSAKAPTFYRVVWQNHGAGLFVMISSAAQLLICLTWLVV
<i>Macaca assamensis</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSAKAPTFYRVVWQNHGAGLFVMISSAAQLLICLTWLVV
<i>Chlorocebus sabaceus</i>	GGHLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Erythrocebus patas</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Cercopithecus mitis</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Cercopithecus albogularis</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYRAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Pygathrix nigripes</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTLYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Pygathrix nemaeus</i>	GGRLCFLMLGSLAAGSSSLYGFFLGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTLYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Nasalis larvatus</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Rhinopithecus roxellana</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYHAWVQNHGAGLFVMIISASQLLICLTWLVV
<i>Rhinopithecus brelichi</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYHAWVQNHGAGLFVMIISASQLLICLTWLVV
<i>Rhinopithecus bieti</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYHAWVQNHGAGLFVMIISASQLLICLTWLVV
<i>Trachypithecus francoisi</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Semnopithecus vetulus</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Presbytis melalophos</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Colobus polykomos</i>	GGRLCFLMLGSLAAGSSSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKAPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Pan troglodytes</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSVAQLLICLTWLVV
<i>Pan paniscus</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSVAQLLICLTWLVV
<i>Homo sapiens</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Gorilla gorilla gorilla</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Pongo abelii</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSIKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Hoolock hoolock</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Symphalangus syndactylus</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTTPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Hylobates lar</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Hylobates abbotti</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Hylobates agilis</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Hylobates pileatus</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Nomascus leucogenys</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHAWVQNHGAGLFVMISSAAQLLICLTWLVV
<i>Nomascus annamensis</i>	GGRLCFLMLGSLAAGSGSLYGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPTFYHSWVQNHGAGLFVMISSAAQLLICLTWLVV

<i>Mandrillus sphinx</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPAVNMLAGLSSL
<i>Cercocebus chrysogaster</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPAVNMLAGLSSL
<i>Papio hamadryas</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYVP AVNMLAGLSSL
<i>Lophocebus aterrimus</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYVP AVNMLAGLSSL
<i>Theropithecus gelada</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYVP AVNMLAGLSSL
<i>Macaca fuscata</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPAVNMLAGLSSL
<i>Macaca arctoides</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPAVNMLAGLSSL
<i>Macaca assamensis</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPS VNMLAGLSSL
<i>Chlorocebus sabaceus</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPAVNMLAGLSSL
<i>Erythrocebus patas</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPAVNMLAGLSSL
<i>Cercopithecus mitis</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPAVNMLAGLSSL
<i>Cercopithecus albogularis</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSVYDGKYLPAVNMLAGLSSL
<i>Pygathrix nigripes</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAVNMLAGLSSL
<i>Pygathrix nemaus</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAVNMLAGLSSL
<i>Nasalis larvatus</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIEYDGKYLPAVNMLAGLSSL
<i>Rhinopithecus roxellana</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAVNMLAGLSSL
<i>Rhinopithecus brelichi</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAVNMLAGLSSL
<i>Rhinopithecus bieti</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAVNMLAGLSSL
<i>Trachypithecus francoisi</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAVNMLAGLSSL
<i>Semnopithecus vetulus</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAVNMLAGLSSL
<i>Presbytis melalophos</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAVNMLAGLSSL
<i>Colobus polykomos</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFM SWIAFFTTSIYDGKYLPAFNMLAGLSSL
<i>Pan troglodytes</i>	WTPLPTREYQRFPHLVMLECTE TNSLG FILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Pan paniscus</i>	WTPLPTREYQRFPHLVMLECTE TNSLG FILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Homo sapiens</i>	WTPLPAREYQRFPHLVMLECTE TNSLG FILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Gorilla gorilla gorilla</i>	WTPLPTREYQRFPHLVMLDCTE TNSLG FILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Pongo abelii</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Hoolock hoolock</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Symphalangus syndactylus</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Hylobates lar</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Hylobates abbotti</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Hylobates agilis</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAANMMAGLSSL
<i>Hylobates pileatus</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFT SASVYDGKYLPAANMMAGLSSL
<i>Nomascus leucogenys</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAVNMMAGLSSL
<i>Nomascus annamensis</i>	WTPLPTREYQRFPHLVMLECTEANS LGFILAFLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLLFNFV SWIAFFTTSVYDGKYLPAVNMMAGLSSL

<i>Mandrillus sphinx</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Cercocebus chrysogaster</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Papio hamadryas</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Lophocebus aterrimus</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Theropithecus gelada</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Macaca fuscata</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Macaca arctoides</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Macaca assamensis</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Chlorocebus sabaceus</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Erythrocebus patas</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Cercopithecus mitis</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Cercopithecus albogularis</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Pygathrix nigripes</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Pygathrix nemaeus</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Nasalis larvatus</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Rhinopithecus roxellana</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Rhinopithecus brelichi</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Rhinopithecus bieti</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Trachypithecus francoisi</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGTT
<i>Semnopithecus vetulus</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Presbytis melalophos</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Colobus polykomos</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRHRGST
<i>Pan troglodytes</i>	SSGFGGYFLPKCYVILYRPDLNSTEHFQASIQDYTRRCGST
<i>Pan paniscus</i>	SSGFGGYFLPKCYVILYRPDLNSTEHFQASIQDYTRRCGST
<i>Homo sapiens</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Gorilla gorilla gorilla</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Pongo abelii</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Hoolock hoolock</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Symphalangus syndactylus</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Hylobates lar</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Hylobates abbotti</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Hylobates agilis</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Hylobates pileatus</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Nomascus leucogenys</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST
<i>Nomascus annamensis</i>	SSGFGGYFLPKCYVILCRPDLNSTEHFQASIQDYTRRCGST