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gorilla_gorilla niscus	ATG <mark>GA</mark> AAT <mark>T</mark> AAAC ATG <mark>GA</mark> AAT T AAAC	ACCTCTTGTTTT GCCTATTGTTTT	TGG <mark>T</mark> TGCTGCTGCT TGG <mark>T</mark> TGCTGCTGCT	GCTTACTGC GCTTACTGC	CTATGTTGT CTATGTTGT	CATGAAAAAG Catgaaaaag	AAA <mark>T</mark> CAGCTA <mark>C</mark> AAA <mark>T</mark> CAGCTAC	GAGACCAATT GAG <mark>AC</mark> CAATT	TAATA <mark>AG</mark> CTC <mark>G</mark> TAATA <mark>AG</mark> CTC <mark>G</mark>	TCACTGA <mark>C</mark> TT TCAC <mark>C</mark> GA <mark>C</mark> TT	GCCAAATGTA GCCAAATGTA	CAAGAAGA <mark>G</mark> A1 CAAGAAGA <mark>G</mark> A1	FCGTTAAT <mark>A</mark> T FCGTTAAT <mark>A</mark> T	ACACAAC <mark>G</mark> C ACACAA <mark>TG</mark> C	CCTCAG
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ebus_sabaeus ix_jacchus	ATGGCAATTAAAAC ATGGAAATTAAAAC ATGGCAATTAAAAC	ACCTCTTGTTTT AC <mark>C</mark> TC <mark>G</mark> TGTTTTT	TGG <mark>T</mark> TGCTGCTGCT TGG <mark>T</mark> TGCTGCTGCT	GCTTACTGC GCTTACTGC	CTATGTTG <mark>T</mark> C CTATGTTG <mark>G</mark> C	CATGAAAAGG Catgaaaaag	AAATCAGCTAA AAA <mark>T</mark> CAGCTA <mark>(</mark>	AAACCTATT Gagagcaatt	TAATA <mark>AG</mark> CTC <mark>G</mark> TAATA <mark>AG</mark> CTCC	TCACTGA <mark>C</mark> TT TCACTGAATT	GCCA <mark>GA</mark> TGTA GGCAAATGTA	CAA <mark>C</mark> AAGA <mark>G</mark> AT CAAGAAGA <mark>G</mark> AT	ICGTTAAT <mark>A</mark> T ICGTTA <mark>C</mark> TGT	ACACAACAC ACACAACA <mark>G</mark>	CTCAG
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orzewalskii chinensis	ATGTCAATGAAAC	ACTICITGITT A <mark>T</mark> TTCTTGT <u>T</u> TT <mark>(</mark>	GGCTACTGCTGCTGCT	GGCTTCCTG	CIGIIGIGA	CATGAGAGCE.		ACAGCCTA	TAATAGCTIC TAATA <mark>A</mark> ACT <mark>TG</mark>	TCACTGA <mark>G</mark> TT TCACT <mark>AG</mark> ATT	GGCAACTGTC GG <mark>T</mark> AA <mark>G</mark> T <mark>A</mark> TC	CAAGAAGAAA	TC <mark>ACG</mark> AAT <mark>T</mark> T	ACALAALAC ACACAAC <mark>GA</mark>	CCT <mark>G</mark> AG
upus_familiaris Jus rosmarus divergens	GTGACAATGAAA ATGACAATGAAA	ACTTCTTGT <mark>A</mark> TTT ACTTCTTGT A TTT	TGGCTGCTGCTGCT TGGCTGCTGCTG T T	GGCTTCCTGC GGTTCCTGC	CTATTTTGA CTATTTTGA	TATAAGA <mark>G</mark> CA. TATAAGA <mark>G</mark> CA.	AAAC <mark>T</mark> AGCT <mark>T</mark> AAACCAGCT <mark>C</mark>	AGTTCCATA AGTTC T ATA	TAATACACTCC	TCACTGAATT TCACTGAATT	GGCAACTGTC	CAAGAAGAAA CAAGAAGAAA	FC <mark>CT<mark>G</mark>ACTGT FCGTTACTGT</mark>	ACATAACAC ACATAACAC	CCTCAG
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a_tigris_altaica ison_bison	ATGACAATGAAAC	ACTTATTGTATT	TGGCTGCCACTGCT	GGTTTCCTGA	CTATTTTGA	T <mark>G</mark> TAAGA <mark>G</mark> CA	AAACCAGCTC	AGTTCCATA		TCACTGAATT	GGCAACTGTC	CAAGAAGAAA	CGTTACTGT	ACATAACAG	CCTCAG
rus	ATGACAATGAAA ATGACAATGAAA ATGACAATGAAA ATG <mark>G</mark> CAACAAAA ATG <mark>G</mark> CAATGAAA	GCTTCTTGTTTC	TGGCCATTGCTGCT	GGCTGCCTGC	CTGTTTTGA		AAACCAGCCAA	AGTTCCATA	TGATACACTCC		GGAGGCTGTC	CAAGAAGAAA	TGTTACTGC	ACATAACAT	CCTCCG
iircus ys_tridecemlineatus	ATG <mark>G</mark> CAACAAAA	ACTTCTTAATTT	TGGC A G <mark>T</mark> TGCTGCT	GGCTTCCTGC	CTGTTTTG <mark>G</mark>	GGTAAGACCA.	AAA <mark>GT</mark> ATCCAA	AAGTTCCATA AA <mark>AAC</mark> C <mark>TC</mark> TA	CACTAACTCG	ACACAGAAAT	AACAGCTGTC	CAAGAAGAAA	CGTCAATAT	ACATAACAT ACATAATGC	CATCAG
tus ops hodgsonii	ATG <mark>G</mark> CAATGAAAC GTGACAATGAAA	ACTTATTGTATT GCTTCTTGTTTC	TGGCTGC <mark>CA</mark> CTGCT TGGC <mark>C</mark> G <mark>T</mark> TGCTGCT	GG <mark>T</mark> TTCCTG A GGCT <mark>G</mark> CCTGC	CTATTTTGA CTGTTTTGA	T <mark>g</mark> taaga <mark>g</mark> ca. Tataa <mark>a</mark> aaca.	AAACCAGCT <mark>CC</mark> AAACCA <mark>T</mark> C C AA	AGTTCCATA AGTTCCATA	CAACACACTCC T <mark>g</mark> atacactc t	TCACTGAATT T∎AC <mark>G</mark> GAAAT	GGCAACTGTC GG <mark>AGG</mark> CTGTC	CAAGAAGAAA CAAGAAGAAA	FCGTTA <mark>C</mark> TGT F <mark>T</mark> GTTACTAC	ACATAACAA ACATAACAT	CCTCAG
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_bactrianus	ACGACAATGAAAC	ACGTCTTACTTT	TGGCTG <mark>T</mark> TGCTGC TGG <u>C</u> TG <mark>T</mark> TGCTGC	GGCTTCCTGC	CTGTTTTAA	GACAAGAGCA	AAACCAGCTAA	AGTTCCGTA	TGACACACTCC	GTACAGAATT	GGCAACAGTC	CAGAAAGAAA	CGTGACTGT	ACACAACAG	CCTCAG
s_ferus ur_garnettii	ATG <mark>GGC</mark> ACGAAA		TGGCTGTTGCTGCC TGGTTGCTGCTGCTGTT TGGCTGCTGCTGCTGCT	GGTTACTTGC	CTGTTTTGG	CACAAGAGCA	HAACCAGCIAA	AGT T	TCACACACICC	TCACTGAACT	GGCAACGGIC GGCA <mark>T</mark> CTGT <mark>A</mark>	CAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	GTCAATGT	ACACAACAG ACACAACGC	CUTCAG
naritimus _putorius_furo		ΛΟΤΤΟΤΤΩΤΛΤΤΙ	TGGCTGCTGCTACT	GGTTTCCTGC	CTATTTGGA	TATACGACCA	ΛΛΛΓΓΛΛΓΤΓΓ	AGTTCCATA		ΤΓΛΓΤGΛΛΓΤ	GGCAACTGTC	$C \land \land G \land \land G \land \land \land \land$			CCTCAG
_pacos da melanoleuca	ACAACAATGAAAC ATGACAATGAAAT ATGACAATGAAAC ATGACAATGAAAC	ATGTCTTACTTTT		GGCTTCCTGC	CTGTTTTAA	GACAAGAGCA		AGTTCCGTA	TGACACACTCC	GTACAGAATT	GGCAACTGTC	CA <mark>GA</mark> AAGAAAT	CGTGACTGT	ACACAACAG	CCTCAG
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ofa us_europaeus	AIGAACAIGAAAC		JGGCIG <mark>IA</mark> GCIGCI			, IAGAAG <mark>I</mark> ACA.	AAALLAGLIA	JAGIIGCAIA	I GATACACICC	ICACAGAGII	GCIGACIGIC	CAAGAAGAAA	GIIACIGI	ALABAALAA	ALICAG
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is_fuscus isculus	ATGACAATGAAA ATGACAATGAAAC ATGGCAGTGAAA	ACTTCTTGTTTT		GGCTT	CTGGTTTGA	TATAAGAA		AGTTCCATA	TGATTCAGTCC	TACTGAATT	GCTAGCTGTC	CAAACAGAAAT	GTTAATT	ACATAACGC	CCTCAG
lavidii	ATAAAAATGAAAA	ACTTCTTATTT	TGGCTGCTGCTGCT	GGATTTCTGC	CTGGTTGTGAC	TATAAGAA-	T A <mark>TG</mark> TA <i>I</i>	AGTTTCATA	T <mark>G</mark> A <mark>G</mark> ACA <mark>G</mark> TCC		ACCTGAACCA ACTAGCTGTC	CAAGAGGAAA CAA <mark>A</mark> AAGAAA	TATT <mark>GATT</mark> T	ACATAACGC	
norvegicus nus manatus latirostris	ATAAAATGAAAC ATGGCAATGAAAC ATGACAATGAAAC	ATCTTGTTAT ATTTCTTGGTTT	TG <mark>TT</mark> T CT TGCTGCT TGG T TGCT AT TGCT	G T CTT TG T T C GGCTTCCTGC	CTGTT <mark>G</mark> TGAC CTGT <mark>CTCAG</mark> C	CTCTCAGACTC CATAAGA <mark>GA</mark> A	AAAC <mark>TG</mark> G A TAC AAACCT <mark>G</mark> A	GAGCTCTCTA AGTCCCATA	TAAT <mark>CA</mark> ACT <mark>GA</mark> TAA A ACACTCC	TCAC <mark>G</mark> GAAT <mark>C</mark> TCAC <mark>CAC</mark> ATT	ACC <mark>TGAACCA</mark> ACCA <mark>G</mark> CTGTC	CA <mark>G</mark> GAAGAAA1 CA <mark>G</mark> GAAGAAA1	F <mark>T</mark> GTT <mark>G</mark> ATAC FCATTAACTT	ACACAA tg c Aca t aa taa	
prandtii cetus_auratus	AIAAAAIGAAAC	ACTICITATITI	TGGCTGCTGCTGCT T∎GCTGCTGCTGCT	GGATILCIGC	.CIG <mark>G</mark> IIIGA <mark>I</mark>	IAIAAGAA	I A <mark>IG</mark> IAA	AGTICCATA	IGAGECAGICC	I ACIGAGIC	ACTAGCIGIC	CAAAAAGAAA		ACALACAC	
ucifugus	ATAAAAATGAAAC	ACTTCTTATTTT	TGGCTGCTGCTGCT	GGATTTCTGC	CTG <mark>G</mark> TTTGA	TATAAGAA -	T A <mark>TG</mark> TAA	AAGTT <mark>T</mark> CATA	T <mark>GAGT</mark> CA <mark>G</mark> TCC	TTACTTGGTC	ACTATCTGTC	CAAAAAGAAA	TATTGATT	ACATAACAC	CATCAG
us_griseus nys_ordii	ATGCCAGTGAAA	ACTCCTGTTTC	T <mark>T</mark> GCTGCTGCTGCT T <mark>CT</mark> CTGC <mark>CATGC</mark> CT TGCTGCT	GG <mark>G</mark> TT <mark>T</mark> CTG <mark>G</mark>	ATGCACGAG		AAAG <mark>G</mark> CAGCT <mark>C</mark> A	AGCCCCTCTA	TAATAATCI <mark>GG</mark> TA <mark>TGCG</mark> ACTCA	CAC <mark>A</mark> GA <mark>GII</mark>	CCCAAGCCA	CAAGAAGAAA CA <mark>G</mark> GA <mark>T</mark> GAAA	CGTCAACGT	CACAAAG	ATTCAG
s_ochrogaster hloris asiatica	ATGA <mark>TGG</mark> TGAAA	ACTTCTTGTT		GTCTTTGTTC	CTGTTCTGG	CTAT <mark>C</mark> AGA <mark>CAC</mark>	AAAC <mark>GTCA</mark> TA <mark>C</mark>	GAGCTCTCTA	TAATAAACT <mark>GA</mark>	TCACAGAATC	ACCCGATCCA	CAAGAAGAAA1	TGTCAATGC	GCACAATGC	CTTCAG
ی علی میں میں میں میں میں میں میں میں میں می	GGAU AGT TUAC	ATTCTTGTTTT 180 CACCCACCAACA CAGCCAGCAACAT CAGCCAGCAACAT	ICCTCHAGATCAAT		ACTICACA AGCTGCACA	AAATGCCAGA	²³⁰ AT_TGIAA		Z50 2 TGACAGAGA TATGACAGAGA	CAAC CAC	zzo 2 TSAGAGGAGA			AGAAAATAT Agaaaatat	
ce Logo [™] sapiens glodytes gorilla niscus	AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC	LAGCCAGCAACA CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT	ICCTGAAGATGAGT IGCTGAAGATGAGT IGCTGAAGATGAGT IGCTGAAGATGAGT IGCTGAAGATGAG	TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG	AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA	AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA	230 AT.T.G.VAA AT.T.T.T.C.AA AT.T.T.T.C.AA AT.T.T.T.C.AA AT.T.T.T.C.AA	AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA	250 2 TGAGAGAGA TATGACAGAGAGA TATGACAGAGAGA TATGACAGAGAGA	© GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT	TRAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA	TTCCAAATA		agaaaatat agaaaatat agaaaatat agaaaatat agaaaatat	GCAT TO
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ے ۔ ce Logo یا ۲ apiens gorilla_gorilla tiscus us_leucogenys angolensis_palliatus us_leucophaeus	AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC GGAGTAGTTCCAC	LAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT	190 IGCTGAAGATGAGT IGCTGAAGATGAGT IGCTGAAGATGAGT IGCTGAAGATGAGT IGCTGAAGATGAGT IGCTGAAGATGAGT IGCTGAAGATGAGT	²⁰⁰ TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG	AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA	AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA	230 AT T GT AAA AT TT T CAAA AT TT T CAAA	240 AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA	²⁵⁰ 2 TGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA	© GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT	TCAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA	TTCCAAATAC	TTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGGG	agaaaatat Agaaaatat Agaaaatat Agaaaatat Agaaaatat Agaaaatat Agaaaatat Agaaaatat	GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT
ce Logo apiens glodytes gorilla_gorilla niscus us_leucogenys sbelii _angolensis_palliatus us_leucophaeus _nemestrina	AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC GGAGTAGTTCCAC GGAGTAGTTCCAC GGAGTAGTTCCAC	100 CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT CAGCCAGCAACAT	190 IGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT	200 TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAA	AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA AGGCTGCACA	AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA		240 AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA GCTATTGTGA GCTATTGTGA GCTATTGTGA	²⁵⁰ 2 TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA	© GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCT GCAACCCCCCT	TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGA TGAGAGGAGAA TGAGAGGAGAA	A TECAAATAC TECAAATAC TECAAATAC TECAAATAC TECAAATAC TECAAATAC TECAAATAC TECAAATAC TECAAATAC TECAAATAC	0 CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGCGG CTTTTGCGG CTTTTGCGG CTTTTGCGG CTTTTGCGG	³⁹⁰ AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAG	GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT
ce Logo apiens glodytes glodytes gorilla_gorilla niscus tus_leucogenys abeliti _angolensis_palliatus lus_leucophaeus _nemestrina _fascicularis _fascicularis	160 170 GGAU AGT JUAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC AGAGTAGTTCCAC GGAGTAGTTCCAC GGAGTAGTTCCAC GGAGTAGTTCCAC GGAGTAGTTCCAC GGAGTAGTTCCAC	190 CAGCCAGCAACA CAGCCAGCAACA CAGCCAGCAACA CAGCCAGC	190 TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT TGCTGAAGATGAGT	200 TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG TGGAGTGAAG	AGGCTGCAC AGGCTGCAC AGGCTGCAG AGGCTGCAG AGGCTGCAG AGGCTGCAC AGGCTGCAC AGGCTGCAC AGGCTGCAC AGGCTGCAC AGGCTGCAC	AAATGCCAGA AAAATGCCAGA AAAATGCCAGA AAAATGCCAGA AAAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA AAATGCCAGA		AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA	²⁵⁰ 2 TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA TATGACAGAGA	GCAACCOCC GCAACCCOCC GCAACCCOCC GCAACCCOCC GCAACCCOCC GCAACCCOCC GCAACCCOCC GCAACCCOCC GCAACCCOCC	TCAGAGGAGAGA TGAGAGGAGAGA TGAGAGGAGAGA TGAGAGGAGAGA TGAGAGGAGAGA TGAGAGGAGAGA TGAGAGGAGAGA TGAGAGGAGAGA TGAGAGGAGAGA	A TACAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC CTTCCAAATAC	CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGTGG CTTTTGGG CTTTTGGG CTTTTGGG CTTTTGGGG CTTTTGGGG	AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT AGAAAATAT	GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT GCATAT GAATAT GAATAT GAATAT
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ce Logo ce Logo ce Logo apiens gorila_gorilla iscus iscus iscus percogenys abelii iscus percophaeus _nemestrina _fascicularis ibus_atys _mulatta nubis boliviensis boliviensis syrichta ebus_abaeus x_jacchus boliviensis boliviensis syrichta aballus orzewalskii chinensis ipus_familiaris us_rosmarus_divergens chotes weddelliii · bubalis les agus_cuniculus belangeri a_tigris_altaica ison_bison rus jorzewalskii chinensis jops_hodgsonii tus s_formedarius s_forus pacos palax_gallili ira_cristata us_forus suculus davidii norvegicus nus_manatus_latirostris brandtii cetus_auratus davidii ota atua sufactione son son son son son soculus ta son soculus ta son soculus ta son soculus ta son soculus ta son soculus ta soculus	1400 1400	190 CAGUCAGCAACA CAGCCAGCAACA CAGCCAGCAACA CAGCCAGC	190 IGCTGAAGATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGAGT IGCTGAAGAATGA					AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA AGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGTATTGTGA GGAGTGTGA GGAGTGTGA AGGAGTGTGA AGGAGTGTGA AGGAGTGTGA AGGACTGTGA	Z ²⁵⁰ Z TATGACAGAGAGA TTGCTACAAGAGA TTGCTACAAAA TTGCTACAAGAGA TTGCTACAAGAGA TTGCTACAAAA TTGCTACAAGAGA TTGCTACAAAA TTGCTACAAGAGA TTGCTACAAAA TTGCTACAAGAGA TTGCTACAAAA TTGCTACAAGAGA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAA TTGCTACAAAAAA TTGCTACAAAAAA TTGCTACAAAAAA TTGCTACAAAAAA TTGCTACAAAAAA TTGCTACAAAAAA TTGCTACAAAAAAA TTGCTACAAAAAAAAAA TTGCTACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA						310 GCATATI



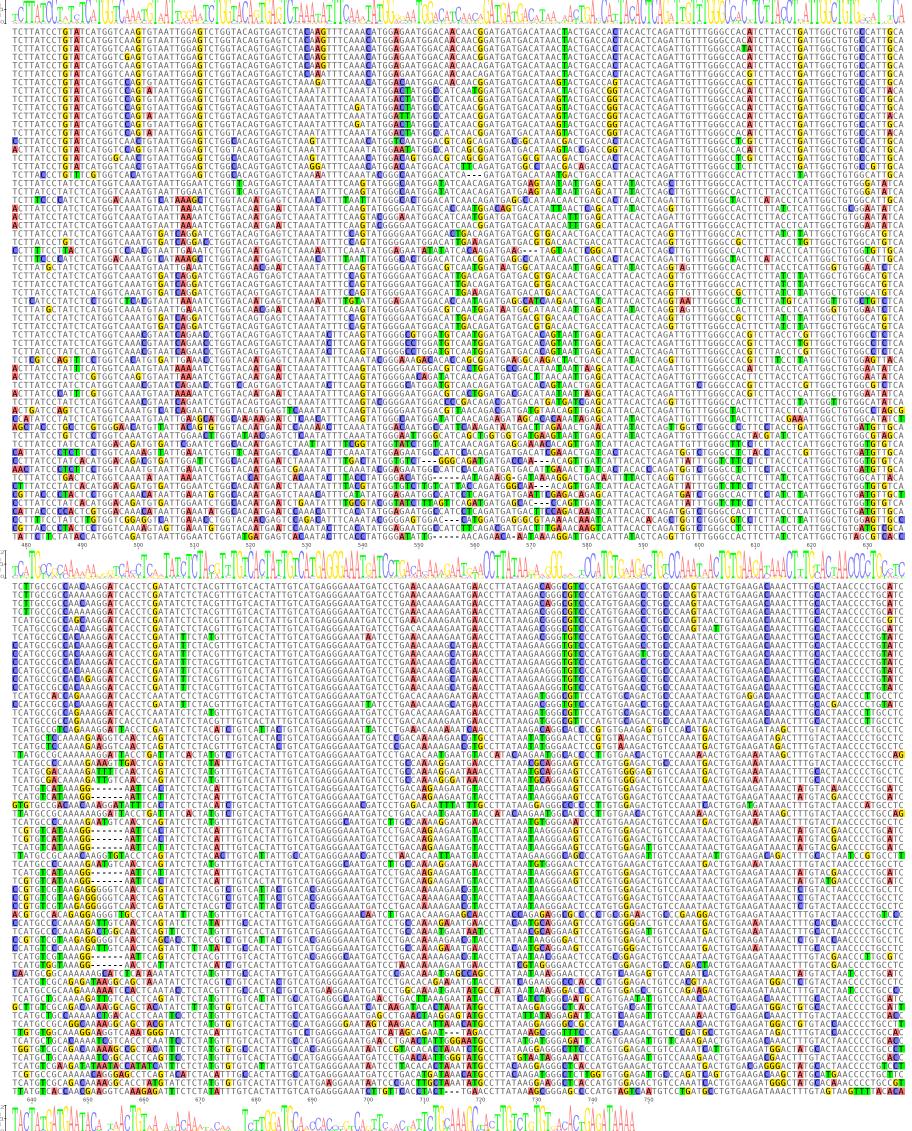


Sequence Logo

Homo_sapiens Pan_troglodytes Gorilla_gorilla_gorilla Pan_paniscus Nomascus_leucogenys Pange obalii Pongo abelii Colobus_angolensis_palliatus Colobus_angolensis_palli Mandrillus_leucophaeus Macaca_nemestrina Macaca_fascicularis Cercocebus_atys Macaca_mulatta Papio_anubis Aotus_nancymaae Chlorocrebus_sabaeus Chlorocebus_sabaeus Callithrix jacchus Saimiri boliviensis boliviensis Samin_boliviensis_boliviensis Tarsius_syrichta Equus_caballus Equus_przewalskii Tupaia_chinensis Canis_lupus_familiaris Odobenus_rosmarus_divergens Leptonychotes_weddellii Bubalus_bubalis Bubalus_bubalis Ovis aries Oryctolagus cuniculus Oryctolagus_cuniculus Tupaia_belangeri Panthera_tigris_altaica Bison_bison_bison Bos_taurus Capra_hircus Ictidomys_tridecemlineatus Felis_catus Felis_catus Pantholops_hodgsonii Bos mutus Camelus dromedarius Camelus bactrianus Camelus_fecus Camelus_ferus Otolemur_garnettii Ursus_maritimus Mustela_putorius_furo Vicugna_pacos Ailuropoda_melanoleuca Balaenoptera_acutorostrata scammoni Sus scrofa Sus_scrota Erinaceus_europaeus Nannospalax_galili Condylura_cristata Eptesicus_fuscus Mus_musculus Myotis_davidii Rattus porvenirus Rattus_norvegicus Trichechus_manatus_latirostris Myotis brandtii Mesocricetus auratus Myotis lucifuque Cricetulus_griseus Dipodomys_ordii Microtus_ochrogaster Chrysochloris_asiatica

Sequence Logo

Homo sapiens Homo_sapiens Pan_troglodytes Gorilla_gorilla_gorilla Pan_paniscus Nomascus_leucogenys Pongo_abelii Colobus angolensis pa sis palliatus Colobus_angol Mandrillus leucoph



CA CA CA CA

СТС СТС

Mandrillus_leucophaeus	TACTATGATGATACACUGACTGTAGCATTCGAGAGTCCGATGCAACCACUCGACACUCCGCATGTCTGTAAAGCUCACTGTGTGACACUGAGATAAAANNN
Macaca_nemestrina	TACTATGATGAATACA <mark>CCG</mark> ACTGTA <mark>GCT</mark> TA <mark>G</mark> AA <mark>G</mark> TCC <mark>GT</mark> TTTCTTGGATGCAACCACTCG <mark>A</mark> CA <mark>CC</mark> TC <mark>GCA</mark> TGTTCTGTAAAGCC <mark>A</mark> ACTTGTCTGTGTGACACTGAGATAAAANNN
Macaca_fascicularis	TACTATGATGAATACA <mark>CCG</mark> ACTGTA <mark>GCT</mark> TA <mark>G</mark> AA <mark>G</mark> TCCG <mark>T</mark> TTCTTGGATGCAACCACTCGCATCGCATGTCTCTGTAAAGCCACTTGTCTGTGTGACACTGAGATAAAANNN
Cercocebus_atys	TACTATGATGAATACA <mark>CCG</mark> ACTGCA <mark>GCT</mark> TA <mark>G</mark> AA <mark>G</mark> TQC <mark>GT</mark> TTTCTTGGATGCAACCACTCGCACCTCGCATGTACAGCCCACTTGTCTGTGTGACACTGAGATAAAANNN
Macaca_mulatta	TACTATGATGAATACA CCG ACTGTA <mark>GCT</mark> TA <mark>G</mark> AAGTCCG T TTTCTTGGATGCAACCACTCGCACCGCCACGTCGTAAAGCCCACTTGTCTGTGTGACACCTGAGATAAAANNN
Papio_anubis	TACTATGATGAATACACTGACTGTAGCTTAGCAAGTCCGTTTTCTTGGATGCAACCACTCGCATGTCTCGCATGTCTGTAAAGCCCACTTGTCTGTGAGACACTGAGATAAAANNN
Aotus_nancymaae	TACTATGATGATACTACGACTGTGACAAGTGACAAGTGCATTATCTTGGATGCAACCAGTCAACTACTATCCTGTACAAGCCACTTGTCTGTGACACAGAGAGAAAANNN
Chlorocebus sabaeus	TACTATGATGAATACACCGACTGTGGCTTAGAAGTCCGTTTTCTTGGATGCAACCACTCGACACCTCGCATGTTCTGTCAAGCCTCTTGTCGGGGGGACACTGAGATAAAANNN
Callithrix jacchus	TACTACGATGAATACTATGACTGTGATGAACAAGTCCATTATCTTGGATGCAACCACTCAACCACTATCCTGTACAAGCCACTTGTCTGTGACACACAGAGAGAAAANNN
Saimiri boliviensis boliviensis	TACTATGATGAATACTACGACTGTGATGTACAAGTCCATTTTCTTGGATGCAACCACTCAACCACTATCCTGTAAAGCCACTTGTCTGTAAAGCCACTTGTCTGTGAAAGC
Tarsius syrichta	TACTATGATGATACACAAACTGTGATGAACAAATCCAAAGTCTTGGATGCAACCA TTCATCATCATCTGC AAAGCT T CTTGTCTGTGTGACACTGAGATAAAANNN
Equus caballus	TACTATGATGAATCCAATAAGTGTAAGACACAAAAAGACACAAAAGCTCTTGGATGTAGCCACTTGTCAGTTAAACTGTTCTGCAAAGCTACTTGTCTGTGTGACACTGAGATAAAANNN
Equus przewalskii	TACTATGAATGAATGCAATAAGTGTAAGGACAAAAGAAGGAAG
Tupaia chinensis	TACTATAATGAATACA <mark>GAG</mark> ACTGTCTTATATATATCAAAG <mark>GTGCTAA</mark> ATGCA <mark>GTCAGAT</mark> GCCATTCAAAACTATTCTGCAAAGCTACTTGTCTGTCGCGGCATTGA-CTAANNN
Canis lupus familiaris	TACTATGATGAATACA <mark>G</mark> TAACTGT QAG ATACAAAAAAC <mark>GTA</mark> GT <mark>T</mark> TCGGATGCA <mark>G</mark> CCCACAGTCAACAATTCTGCAAAGCTAGTTGTCTCTGTGAAAAAAAA
Odobenus rosmarus divergens	TACTATGAATACAGTAACTGTAAGACAAAGACAAAGACAAAGTTTTGGATGCAGAGCCCAGTTCAACAGTTCTGCAAAGCTAGTTGCCTCTGTGACAAAGACAAAGAGATAAAAANNN
Leptonychotes weddellii	TACTATGATGAATACA <mark>G</mark> TAACTGTAAGACAAAAAACGAAGATTTTGGATGCAGATCCCAGTCAACAGTTCTGCAAAGCCAGTTGCCTGTGACAAGGAGATAAAANNN
Bubalus bubalis	TACTAQGATGAATACAATAACTGTAATACACAAACTCAACGTCTTGGCTGCAACCACCTGTCAGTCA
Ovis aries	TACTA GATGAA QACAATAACTGTAATA QACAAACTCAACATCTTGG CTGCAACCACCTGTCAAC GACTCTGCAAAGCTAGTTGTGTCAAACTGAGATAAAANNN
Oryctolagus cuniculus	TTCTTTGATGAACGCACCGAACTGTGAGATACAAGTAAAGCATCTTGGATGCAGCCACCCATCAGTTCAATTATTCTGCAAAGCTTCTTGTAACTGTGACACTGAGATAAAANNN
Tupaia belangeri	TACTATAATACA <mark>GAG</mark> ACTGTCIITATAIIATI CAAAAGGTGCTAAATGCAGIICAGATGCCAIITCAAACTATTCTGCAAAACTTGTGTGGCGCAIITCITAACANNN
Panthera tigris altaica	TACTATGATACAATAACTGTAAGATACAAAAACTGTACTTGTTTTGGATGCAGCCGCCAGTGGGTTCAACAGCTAGTTCTGCAAAGCTAGTTGTCTGTGTGACACCGGAGATAAAANNN
Bison bison bison	TACTA UGA TACATA A CTGTA A TACA A A A CTGTA A TAGA A A A CTGTA GA TAGA A CTGTA GA TACATA GA TACATA A CTGTA A CTGA A A CTGA A A CTGA A A TAGA A A TGA A A T
Bos taurus	TACTA GATACAATAACTGTAATACCAAAACTCAAACGTCTTGGCTGCAACCACCC GTCAAGTCAA
Capra hircus	TACTA GATA CAATAA CTGTAATAC CAAAACT CAACGTCTT GGCTGCAACCACC GTCGAAGCTGTCGAACGAAGCTAGTTGTATGTGTGAAACTGAGATAAAANNN
Ictidomys tridecemlineatus	THE TARGA TA CAALEA AT TAA TAA TAA TAA AAAA TAA TAA TAA T
Felis catus	TACTATGATGAATACAATAATTGTAAGACAAAAATAAGTAAG
Pantholops hodgsonii	TACTA TGA TGA TA CAATAA TGTA TA TAA AAAAA ACGTAGTA TT GGT GCAACCACCT GGT GCAACGT CT GCAAAGCT AGT GT GT GT GT GCAACGT GGAAACT GAGATAAAANNN TACTA TGA TGAATA CAATAA CT GT AA TA TGCAAACT CT GGT GCAGCCACCT GCT GCAACGACT CT GCAAAGCT AGT GT GT GT GGAACT GAGATAAAANNN
Bos_mutus	TACTA GATACAATAACTGTAATACACAAACUTCAACGTCTTGGGACCACCUTGCAACGACUTCTGCAAAGACTACTGCAAAGCTAGTTGTGTGAAACCTGAGAAAAAANNN
Camelus_dromedarius	TACTA GATGATACA TAACTGTAA GATACAAA GACAAA GGTCTTGGATGCAGCCACCUCTCAACTACTCTGCAAAGCAAA
Camelus_bactrianus	TACTA GATACAN TAACTATAA GATACAAA GACAAA GTTTTGAATGCA GCACCU GTCAATACTTTGCAAGCAAAGCAAAGCTGTCTGTGTGACACTGAGATAAAANNN
Camelus_ferus	TACTA CGATGAATACA TAAA CTGTAA GATACAAA CACAA GGTCTTGGATGCA GCCACCTCCAGTTCAACTA CTGTCGCAAAGCAAA
Otolemur_garnettii	CACTATGATGATA IACCT ACTGT <mark>GAGCAACAAIGTCAAACAIITTTGGATGCAACA</mark> ACACGCGCAAATGAAITATTCTGCAAAGCTACTTGTCTGTGAAACAACGAAAGANNN
Ursus_maritimus	TACTATGATGATACA <mark>G</mark> TAACTGTCAGACACAAAAACCGAAGTTCCGGATGCAGATCCCAGTCGACAGTTCGCAAAGCTAGTTGTCTCTGTGACAA <mark>A</mark> GGAGATAAAANNN
Mustela_putorius_furo	TACTOTGATGAATACA <mark>g</mark> taactgtaa <mark>ggo</mark> acaaa <mark>a</mark> ac <mark>gaa</mark> gtittggatgc <mark>gggto</mark> cc <mark>a</mark> gtcagttcaacaattctgcaaagcta <mark>g</mark> tgtctotgtgaca <mark>ag</mark> gagataaaannn
Vicugna_pacos	TACTATGATGAATACA <mark>m</mark> taactgtaa <mark>g</mark> atacaaa g atacaaa <mark>g</mark> atcttggatgca <mark>g</mark> ccacc t mtcaactactctgcaaagc <mark>a</mark> aggtgtctgtgtgacactgagataaaannn
Ailuropoda_melanoleuca	TACTATGATACA <mark>G</mark> TAACTGTCAG <mark>A</mark> ACACAAAAACGAAGTTICGGATGCA <mark>GATC</mark> CC <mark>A</mark> GTCAGTTCAAC <mark>AG</mark> TTCTGCAAAGCTAGTTGTCTCTGTCACAAAGAAAAANNN
Balaenoptera_acutorostrata_scammoni	TACTAQGATGAATACA <mark>G</mark> TAA T TGT <mark>GAGAQ</mark> ACAGAQACGA <mark>G</mark> GTCCTGCQTGCA <mark>G</mark> CCACCTGTCAAC <mark>G</mark> AQTCTGCAAAGCTA <mark>G</mark> TTGQCTGTGTCQCACTGAGATAAAANNN
Sus_scrofa	TACTATGATGA <mark>G</mark> TACA <mark>GC</mark> AACTGTAA <mark>GGC</mark> ACAAACACGAGGTCCTGGATGCAGCCACGTGTAGATCAAGCTCACAGCCAAGCTAGCT
Erinaceus_europaeus	TACTATGATGAGCAC <mark>G</mark> ATAAATGTAAATCACATAAAACAAAATATTGG <mark>G</mark> TGCAACCACCTGTCAGTTAAATTAATGTGTGTGTGTGTGT
Nannospalax_galili	TACTATGACGAATACTACAACTGTGAGAAACGAGGAAGACTTCGTAGATGCTCACACCCCAATCAGCAGTTTTGCAAGGCTTCTGTCTATGCACAACTGAGATAAAANNN
Condylura_cristata	TA <u>C</u> TATGATGA <mark>GCAAAQ</mark> TAATTG <u>TAAGGCAAAAAAAAACC<mark>G</mark>ACA</u> TC <mark>AGGA</mark> ATGCA <mark>G</mark> CCAGCT <u>G</u> TCAGTTCAACAAGCCCAAGCGAAGCTGTCAGTGTGACACAGGGATAAAANNN
Eptesicus_fuscus	TA <mark>T</mark> TATGATGAATACAQTAACTGCQATATACA <mark>GAAAGTGTI</mark> TCQTGGATGCA <mark>GCGQCCTGGTCAGTCACAATGCAAAGCQACTTGCTTT</mark> TGT <mark>ACC</mark> ACTGAGATQAAGANNN
Mus_musculus	ŦĂ <u>Ţ</u> ŦĂŦĠĂŦĂĠĂĂŦĂĊĂĂĠĂŢĂĊĨĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊĔĊ
Myotis_davidii	TATTATGATGAATACAOTGACTGCGATATACAGAAA <mark>GTGGT</mark> TCOTGGATGC <mark>CGCGCCTGT</mark> CAGTCAGACTACAATGCAAAGCCAACTTGCCTTTGCACCACTGAGATGAAGANNN
Rattus_norvegicus	TATTAQGATGAATATAAQAACTGT <mark>g</mark> ata <mark>g</mark> caa <mark>g</mark> ta a aacttcttggatgctcacatccagcagtqcggcQattctgtaa <mark>g</mark> ccttttgtactgtaaaactgaaaactgaaaaannn
Trichechus_manatus_latirostris	TACAGTGATGAAGTTATTAACTGTAAAAACACGAATACAAAGGTTTGGATGTAGTCACAAGGTGGTTCAACAATACTGCAAAGCTAGTTGCCTCTGTGTACCACTGAGATAAAANNN
Myotis_brandtii	TATTATGATGAATACATTG <mark>G</mark> ACTGCCATATAC <mark>GGAAAGTGGGT</mark> TCCTGGATGC <mark>GG</mark> CCCCCGCCCTGTCACACTACAATGCAAAGCCACTTGCTTTTGCACCACTGAGATCAAG
Mesocricetus_auratus	TACTATGATGAATACAAQAACTGT <mark>G</mark> ATA <mark>AG</mark> CAAQT <mark>GAG</mark> AACTT <mark>AGA</mark> GGATGC <mark>TTG</mark> CA T CAATCAGTTCTGCTAGCAA <mark>G</mark> GCTTCTTGTCTGTGTAGGAACTGAAAAAANNN
Myotis_lucifugus	TATTATGAATAGATTGAATAGCTGCCATATACGGAAAATGGTTCCTGGATGCAGCGCCCTGCAACACTACAATGCAAAGCCACTTGCTTTTGCACCACTGAGATCAAGNNN
Cricetulus_griseus	TACTATGATGAATACAACTGT <mark>G</mark> ATA <mark>AG</mark> CAA TTGGCAACTAAG GGATGC TCA CA T CC <mark>AG</mark> CAGTTCTGCTGCAAAGCTTCTGTCTGTCTGTCTGTGTAA <mark>G</mark> ACCGAAATAAAANNN
Dipodomys ordii	TACTTTGATGAATACCAGGACTGTGAAAAAAAAAAGCCAGGATTCTTGGATGCACACCCCAACACCCATTAATCTCTTGTGTCCAGCTACCTGTAGGTGACAACTGAGATAAAANNN
Microtus_ochrogaster	TACTATGACGAATACAACAACTGT <mark>G</mark> ATA <mark>AG</mark> CAA <mark>GTGACCCTTA</mark> TTGGATGC TCA CA TTCT TCAGTTC T AAAATTCTGCAAG <mark>G</mark> GCTACCTGTGTGAAAACAGAAAAAANNN
Chrysochloris asiatica	TTCTCTTTACTTAAAAATTGGATGTAGCCACGTGATGGTTAGCAACATACTGCAAAGCTAGCT