

Human-ARGFX	CCA GGT TCA ACT GAT CCT CCC ACC TCA GCC TCC CGA GTA GCT GCG ACT ACA GCA ATA CGG AGA	<u>AGG CAT AAA GAA CGT ACT TCT TTC ACC</u>	[270]
Chimp-ARGFX	... .. T. .... .G. .A.	<u>.....</u>	[270]
Orangutan-ARGFX	... A. .... .A. .... .G. .A. .G.	<u>..... C.</u>	[270]
Macaque-ARGFX	TT. .AA ... .G. ... T. .T G. .... .A. A. .... .G. .T. .... .C. T.	<u>..... C. A ... T.</u>	[270]
Marmoset-ARGFX	... .C ... .G. .... .G. .... .A. .C. A. .G. .... .C. T.	<u>..... C. .CC A</u>	[270]
Mouse_Lemur-ARGFX	nnn nnn	<u>nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn nnn</u>	[270]
Tree_shrew-ARGFX	--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- AGT GCG T. .AG	<u>.AA ... C. .... .C ATA ...</u>	[270]
Guinea_Pig-ARGFX	--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- AAT GCC A. .G	<u>.A. .A C. .GT .C .C .A ...</u>	[270]
Cow-ARGFX	--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- A. .A. T. .AG	<u>.A. AG. C.T ... .C .C .A ...</u>	[270]
Horse-ARGFX	--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- A. .C. TA .AG	<u>TA .C C. ... T.C .C .A ... T</u>	[270]
Megabat-ARGFX	--- --- --- --- --- --- --- --- --- --- --- --- --- --- --- A. .G T. .AG	<u>.A. .C CC. A. T.C .C .TG ... .TG</u>	[270]

Human-ARGFX	<u>CAC CAA CAG TAT GAG GAG CTA GAA GCT CTG TTT AGC CAG ACC ATG TTC CCA GAT AGA AAT CTT CAG GAG AAA CTA GCT TTG AGA CTC GAC</u>	[360]
Chimp-ARGFX	<u>... .. A</u>	[360]
Orangutan-ARGFX	<u>... .. A</u>	[360]
Macaque-ARGFX	<u>.G. .... .A .C. .... .A. ... A.</u>	[360]
Marmoset-ARGFX	<u>.G. G. .... .A</u>	[360]
Mouse_Lemur-ARGFX	<u>nnn nnn</u>	[360]
Tree_shrew-ARGFX	<u>.A A.G ... C. .A ... T.G .G .G ... .AT ... .T ... .A. .T. .C .A A.A G. ... .A. ... A.</u>	[360]
Guinea_Pig-ARGFX	<u>.G. .G ... C.G A. ... .G .G ... .C ... .CG .AG ... G.C .G. .A G. .G ... GGA .G ... A.</u>	[360]
Cow-ARGFX	<u>... AC. ... C A. ... T.G .G ... TGC .A. ... T ... .A. .C .C ... AGA G. ... T ... A .A. ... A.T</u>	[360]
Horse-ARGFX	<u>... AG. ... C. .A ... T.G .G ... ---T ... .A. ... .C ... A. G. T.G .A. ... A. ... A.</u>	[360]
Megabat-ARGFX	<u>.T AC. ... C. .A ... T.G .G ... C ... T ... .A. ... A. G. T.T ... A. ... A.</u>	[360]

Human-ARGFX	CTA CCG GAG TCA ACA GTA AAG --- GTT TGG TTC AGG AAC CGG CGA TTC AAA TTG AAG AAG CAG CAG CAG CAG CAA --- --- --- --- --- [450]
Chimp-ARGFX	..... --- ..... [ 450]
Orangutan-ARGFX	..... --- ..... A. G CAG CAG CAG CAG CAG [450]
Macaque-ARGFX	.G --- G CAG CAG CAG CAG CAG [450]
Marmoset-ARGFX	... T. --- CA. .A A. .G CAG CAG CAG CAG CAG [450]
Mouse_Lemur-ARGFX	nnn nnn nnn nnn nnn nnn --- A. A G. A. G CAG CAG CAG CAG CAG [450]
Tree_shrew-ARGFX	.G .AT --- A A. A. G C. A. A. .G CAG --- --- --- [450]
Guinea_Pig-ARGFX	.G GA. ... AA. .C --- A.C C. A. .T G C. .G. A. ... G.G GAG CAG --- --- --- [450]
Cow-ARGFX	... .A --- A. G A. G. G. ... GAG CAG CAA --- --- [450]
Horse-ARGFX	... .G. .T --- AC. G. .A. C. .G. A. ... CAG CAA --- --- --- [450]
Megabat-ARGFX	... .A A. .A TCT AC. A. .A. G. G. A. ... GG CAG CAG CAG TGG CAG [450]

Human-ARGFX	--- --- --- --- --- TCA GCA AAG CAA CGA AAC CAG ATC CTT CCA TCC AAG AAG AAT GTG CCC ACC TCC CCC AGA ACA TCC CCC AGT [540]
Chimp-ARGFX	--- --- --- --- --- [540]
Orangutan-ARGFX	CAG CAG CGG CAA --- --- T T. [540]
Macaque-ARGFX	CAG CAG CAG CAG CAA --- C. T. T. ... G. ... T. .A. [540]
Marmoset-ARGFX	CAG CAA --- --- --- T. .T. .C. T. ... G. ... G. T. TG T AT. .T. [540]
Mouse_Lemur-ARGFX	CAA --- --- --- --- T. C. T T.G A. A --- --- A. T .A T. T. .T. A. .CA. [540]
Tree_shrew-ARGFX	--- --- --- --- --- CA. C. C G. .T. .G. .T. A. A G. A. A .AC [540]
Guinea_Pig-ARGFX	--- --- --- --- --- CTG C. .G TC. .G CG .C. C.T GT. .C .G. T T. .A .T. G. ... G. .AA [540]
Cow-ARGFX	--- --- --- --- --- CT. C. .C. .G. G. G. --- G. --- --- --- .C. GT. .A A. .C [540]
Horse-ARGFX	--- --- --- --- --- CT. A. G. --- .CG A. .A C. G. ... A AG. ... [540]
Megabat-ARGFX	CAG CAG CGG CAA CAG CTA CT. C. T G. .C. --- T. .A C. A A. ... [540]

Human-ARGFX	CCT TAT GCT TTT TCT --- CCT GTG ATT TCA GAT TTC TAC AGC TCC CTT CCA TCT CAG CCC TTA GAC CCT TCC AAT TGG GCA TGG AAC TCT	[630]
Chimp-ARGFX	... .. --- ... ..	[ 630]
Orangutan-ARGFX	... .. --- ... A C.	[630]
Macaque-ARGFX	... .. --- ... .. C. A.	[630]
Marmoset-ARGFX	T. A. A. --- G. C. T. G.	[630]
Mouse_Lemur-ARGFX	... . C T. . . . A . T. --- G. G. GT A. G. . G. . C. T. T . G . . T T T GGG . G.	[630]
Tree_shrew-ARGFX	... C. . TT. . . . C. C --- G. T . T C. A ... G. GG. ...	[630]
Guinea_Pig-ARGFX	G. A C. C TAC C. C A. . --- T. . C. A GC. T G. T G. A T. . AGG . G. . A. AC. A. --- --- --- --- . T G. . . A	[630]
Cow-ARGFX	... C. . T. . . . CTC --- . T. . CA C. . T . A. C T. . C. A. . T. CCC G. . G. . .	[630]
Horse-ARGFX	... . G. T. . . . GT. T- CA G. . . C GT T. C - A. C TCA G. . C. T AGG . C . T. CC. . . . C ... G. . . G	[630]
Megabat-ARGFX	. TA ... T. T. --- ... A. A G. T C. G. . . . C. . . C ... G. . . .	[630]

Human-ARGFX	ACC TTC ACT GAG AGT TCT ACC AGT GAC TTC CAA ATG CAA GAT ACT CAG TGG GAG AGG CTG GTG GCC TCG GTT CCT GCT TTG TAC TCT GAT	[720]
Chimp-ARGFX	... .. C	[720]
Orangutan-ARGFX	... .. C . A	[720]
Macaque-ARGFX	... .. C . A A . A	[720]
Marmoset-ARGFX	. T C. C . A T A . A. . . . A A	[720]
Mouse_Lemur-ARGFX	G. C. C . A . A. . T G ... CT. . . . T. T T. C. . .	[720]
Tree_shrew-ARGFX	GT. C. C . A GT C. . . . G. . . . C. . --- --- --- T. A	[720]
Guinea_Pig-ARGFX	T. G GAG GA. C. C . A . C. A. T GT ... TT. . . . TA . C . A. . . . A. . . . T G. . . G. . GT . C ...	[720]
Cow-ARGFX	. TG A. . TG T. C. . . A T G. . . . C. . . . C. . A CT. A A	[720]
Horse-ARGFX	. T. A. C. C . A . A . T G. G ... CT. . . . T. . . . A . A A C	[720]
Megabat-ARGFX	. T. ACT C. C . A T G. G. C. . . CT. A A A. . . . T	[720]

Human-ARGFX	GCC TAT GAC ATA TTC CAA ATC ATA GAA CTG TAC AAT CTT CCT GAT GAG AAT GAG ATA TCC AGC TCT TCT TTC CAC TGT CTG TAT CAG TAT	[810]
Chimp-ARGFX	.....	[ 810]
Orangutan-ARGFX	.....	[ 810]
Macaque-ARGFX	.....C.....	[810]
Marmoset-ARGFX	.....C.....G.....T G.....	[810]
Mouse_Lemur-ARGFX	T.T.....GG.....G.....G.....G.T.....A G.....—G.....C.....A.....	[810]
Tree_shrew-ARGFX	.T.....T GC.....C.....G.T.....C.....G.....CG.....C.....	[810]
Guinea_Pig-ARGFX	...T.....AG.....C.A.....G.T.....TG.....GAC..T—GAC.G..T GG.....	[810]
Cow-ARGFX	..A..T.....C AC.....G.....G.G.....G.....C..C A..A.....C...T.T.C..A.....	[810]
Horse-ARGFX	.....GC.....G A.....T.G.T.....A G.....T..G.A.....TG.....	[810]
Megabat-ARGFX	.....AC.....G.....G.....G.T.A.....G.....G.....—CAC.....T..A..A.....	[810]

Human-ARGFX	CTC TCA CCC ACA AAG TAC CAG GTA GGA GGA CAG GGT TCC TCT CTC — AGC ATC TTT GCT GGT CCA GCT GTA GGC CTA TCT CCT GCA CAA	[900]
Chimp-ARGFX	.....—.....	[ 900]
Orangutan-ARGFX	.....—...C.....C.....	[900]
Macaque-ARGFX	.....A..A.....—...C.....C.....	[900]
Marmoset-ARGFX	...G..A.....C.....A.....—.....G.....C AT.....	[900]
Mouse_Lemur-ARGFX	.....GT.C.....C.....A.T.....A.....—...C.C.....TC A.....CT.....AGG.....	[900]
Tree_shrew-ARGFX	.....GG..C...A CA.....A.....T—C...CC.....C CA.....A..AAG...C...A.GG.C.	[900]
Guinea_Pig-ARGFX	.T.....T.....C.C.....CC..A..A.A.T.A.GT.....TGC TC.C.T.A..G.—..G.T.A.T.T.C.C.....GG.....	[900]
Cow-ARGFX	.....G.....G.C—CA..T A..—ATA.AG.—...TCT CTT.TA G.....A.....T..T.....GG..G	[900]
Horse-ARGFX	.....G.....G.CC...C.G.A.—G.A CAG AGT..C TCT CTT.....T..GA.....T...C.....GG.....	[900]
Megabat-ARGFX	.....GGC C..-G.C..AA.—G.A CAA GGT...—TTT.....A.....T.G.....GT A..	[900]

Human-ARGFX	ACC --- TGG CCC AAT ATG ACA AGC CAA GCC TTT GAA GCC TAC AGT CTA --- --- ACA GAT AGC CTG GAA TTC CAG AAA ACC TCC AAT ATG	[990]
Chimp-ARGFX	... ---G. --- ---	[990]
Orangutan-ARGFX	... ---G. ... ..A. --- ---	[990]
Macaque-ARGFX	... ---G. ... ..G. .G. C. ... ..A. gc- -CA ... ..T	[990]
Marmoset-ARGFX	... ---G. ... ..G. ... ..C. --- ---C ..T ..A ... ..T...	[990]
Mouse_Lemur-ARGFX	G. --- ... T. .G. .G. .G. ... AG. ... TAT .A. ... --- --- .G. ..A ... .T ... ..T ..T ...	[990]
Tree_shrew-ARGFX	... --- .A T. .G. G. .TG G. ... AAT ... .C. T. T .G. .AC -. --- --- .G. ..C ..T ..A ... ..GC ... ..G. ...	[990]
Guinea_Pig-ARGFX	... TGC ATA ... .G. G. .GG ... .C. .G. .CT ... .GG G. .C- --- --- -.C AG.- C. ... .C C. ... .G. .-	[990]
Cow-ARGFX	... --- .CC TT. .G. G. ... TGG AG. ... .C. .T. ... .C. --- --- CAG ..C ... ..C C. ... .T. .CA	[990]
Horse-ARGFX	... --- ... T. .G. ... ..G CAT ... .C. AT. A. ... --- --- .G. .GG GTT ..A ... ..C C. T ... .G. ...	[990]
Megabat-ARGFX	T. T --- CAT ..A -G. ... ..TG. .G. C. .C. ... .T ... --- --- .G. ..C ... ..C CT.	[990]

Human-ARGFX	GTA GAC TTG GGA TTT CTC TGA ---	[1014]
Chimp-ARGFX	... .. ---	[1014]
Orangutan-ARGFX	... ..C. ---	[1014]
Macaque-ARGFX	... ..C. A GAG .AC TAA	[1014]
Marmoset-ARGFX	... .C. ..T ... ..A ... ---	[1014]
Mouse_Lemur-ARGFX	... A. ..T ... ..A ... ---	[1014]
Tree_shrew-ARGFX	... ..- ... ---	[1014]
Guinea_Pig-ARGFX	.C. ... .GT ATT .C. AAT G. ---	[1014]
Cow-ARGFX	..G C. ..T ... ---	[1014]
Horse-ARGFX	..G ... .T ... G. ..T ... ---	[1014]
Megabat-ARGFX	A. G .G. ..T ... .C .C. ... ---	[1014]