

Appendix 4: Entire Mitochondrial Alignment and Primer Design for 12S and 16S rRNA

Alignment of dog, seal, cat, horse, donkey, sheep, goat, cow, pig, rabbit, hare, human, rat, mouse, squirrel and hedgehog. The genes are highlighted in various colours with the name of the gene highlighted in the corresponding colour in the the line above.

Species-specific primers; Universal primers

The areas where the alignment match data (*) is highlighted indicates where the primer sets will amplify. This is for the alignment of the data when used with species that have no sequence data for these locations.

Primers, the gene(s) they amplify, their length and sequence:

bp = base pairs, A = adenine, T = thymine, C = cytosine, G = guanine, R=A/G, Y=C/T, M=A/C, K=G/T, S=G/C, W=A/T, H=A/T/C, B=G/T/C, D=G/A/T, V=G/A/C, N=A/T/C/G

12S rRNA 311bp

Forward: TSCSAGCYACCGCGGYCAYACGATT (**12SAFor**)

Not for use with species specific primers.

Reverse: TRTRAAGYACCGCCARGTCCTTTGAGT (**12SARev**)

For use with species specific forward primers upstream.

12S rRNA Part 2 400-443bp

Forward: ACTCAAAGGACYTGGCGGTRCTTYAYA (**12SBFor**)

Not for use with species specific reverse primers. There is another universal for downstream species specific primers located 4bp further downstream from this one, but wanted full 12S sequence.

Reverse: TTACCWTGTTACGACTTRTCTCYTYT (**12SBRev**)

Not matching to any species specific primers.

12S rRNA Part 3 tRNA-Val 16S rRNA 435-451bp

Forward: ARARGAGAYAAGTCGTAACAWGGTAA (**12SCFor**)
Not matching to any species specific primers.

Reverse: TTCYCACYATTTTGCNACATRGAYGRGT (**12SCRev**)
Universal for upstream species specific primers.

16S rRNA Part 2 604bp

Forward: ACYCRTCYATGTNGCAAAATRGTGRGAA (**16SBFor**)
Not for use with species specific reverse primers. There is another universal for downstream species specific primers located 23bp further downstream from this one, but wanted full 16S sequence.

Reverse: GATGTTTTTGGTAAACAGGCGG (**16SBRev**)
For use with some of the upstream specie specific primers.

16S rRNA Part 3 535-540bp

Forward: CCGCCTGTTTACCAAAAACATC (**16SCFor**)
Not for use with species specific reverse primers. There is another universal for downstream species specific primers located 199bp further downstream from this one, but wanted full 16S sequence.

Reverse: TGATCCAACATCGAGGTCGTAAAC (**16SCRev**)
For use with some primers upstream.

16S rRNA Part 4 tRNA-Leu ND1 450bp

Forward: GTTTACGACCTCGATGTTGGATCA (**16SDFor**)
Not for use with species specific reverse primers. There is another universal for downstream species specific primers located 30bp further downstream from this one, but wanted full 16S sequence.

Reverse: TGYATRTABCCTARNAYTTTNCGTTC (**16SDRev**)
Not for use with any reverse primers.

COX1 450bp

Forward: CTCRCWYCTTNGAAYTTGCAATTC

Might be a good universal if can find down stream species specific.

Reverse: TCARAARCTTATRTTTRTTTATNCGDGG

Not for use with any species specific primers.

COX1 Part 2 431p

Forward: CCHCGNATAAAYAAYATAAGYTTYTGA

Might be a good universal if can find down stream species specific.

Reverse: CCRAARAATCARAATARGTGTTGRTA

Not for use with any species specific primers.

COX1 Part 3 437bp

Forward: TAYCAACACYTATTYTGATTYTTYGG

Might be a good universal if can find down stream species specific.

Alignment:

tRNA - Phe

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DOG      GTTAATGTAGCTTAATTAAT--AAAGCAAGGCACTGAAAATGCCAAGATGAGT-CGCACG 57
SEAL     GTTAATGTAGCTTAATAAACC-AAAGCAAGGCACTGAAAATGCCTAGATGAGC-CATAAG 58
CAT      GTTAATGTAGCTTAAACATAT-AAAGCAAGGCACTGAAAATGCCTAGATGAGT-CGCCAG 58
HORSE    GTTAATGTAGCTTAATAATAT-AAAGCAAGGCACTGAAAATGCCTAGATGAGT-ATTCTT 58
DONKEY   GTTAATGTAGCTTAATGATATCAAAGCAAGGCACTGAAAATGCCTAGATGAGT-ATTCTT 59
SHEEP    GTTAATGTAGCTTAAACT--T-AAAGCAAGGCACTGAAAATGCCTAGATGAGT-CTACTG 56
GOAT     GTTGATGTAGCTTAACT--T-AAAGCAAGGCACTGAAAATGCCTAGATGAGT-GTACCA 56
COW      GTTGATGTAGCTTAA-CC--C-AAAGCAAGGCACTGAAAATGCCTAGATGAGT-CTCCCA 55
PIG      GTTAATGTAGCTTAAATATC-AAAGCAAGGCACTGAAAATGCCTAGATGAGC-CTCACA 58
RABBIT   GTTAATGTAGCTTAACAAAC--AAAGCAAGGCACTGAAAATGCCTAGATGAGC-TTCCCG 57
HARE     GTTAATGTAGCTTAATAA---AAAGCAAGGCACTGAAAATGCTTAGATGAGC-TTCCTG 55
HUMAN    GTTTATGTAGCTTACCTCCTC-AAAGCAATACACTGAAAATGTTTAGACGGGCTCACATC 59
RAT      GTTAATGTAGCTTA-TAAT--AAAGCAAGGCACTGAAAATGCTTAGATGGAT-TCAAAA 55
MOUSE    GTTAATGTAGCTTAATAAC---AAAGCAAGGCACTGAAAATGCTTAGATGGAT-AATTTT 56
SQUIRREL GTTAATGTAGCTTAAATA---AAGCAAGGCACTGAAAATGCTTAGATGAGT-ATTTAT 54
HEDGEHOG GTTAACGTAGCTTAAATTT---AAAGCAAGGCACTGAAAATGCTTAGAAGGGC--CTAT 54
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12S rRNA

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Canis    ACTCCATAAACATA-----AAGGTTTGGTCCTAGCCTTCCTATTAGTTTTTAGTAGACT 111
Halichoerus GCTCCATAAACACA-----AAGGTTTGGTCCTGGCCTTCCTATTAGTTTTAATAAGAT 112
Felis    ACTCCATAAACACA-----AAGGTTTGGTCCTGGCCTTTCCATTAGTTATTAATAAGAT 112
Equus    ACTCCATAAACACA-----TAGGCTTGGTCCTAGCCTTTTATTAGTTATTAATAAGAT 112
EquusAsinus ACTCCATAAACACA-----TAGGCTTGGTCCTGGCCTTTTATTAGTTATTAATAAAAT 113
Ovis     ACTCCATGAACATA-----TAGGTTTGGTCCAGCCTTCCTGTTAACTTTCAATAGACT 110
Capra    ACTCCATAAACACA-----TAGGTTTGGTCCAGCCTTCCTGTTAACTCTCAACAGACT 110
Bos      ACTCCATAAACACA-----TAGGTTTGGTCCAGCCTTCCTGTTAACTCTTAATAAACT 109
Sus      GCTCCATAAACACA-----CAGGTTTGGTCCTGGCCTTTCTATTAACTCTTAATAAAAT 112
Oryctolagus GCTCCATAAACATA-----AAGGTTTGGTCCTGGCCTTTTATTGTTTGTAGCAACCT 111
Lepus    GCTCCATAAACACA-----AAGGTTTGGTCCTGGCCTTTTATTGTTTGTAGCAAGTT 109
Homo     ACCCCATAAACAAA-----TAGGTTTGGTCCTAGCCTTTCTATTAGCTCTTAGTAAGAT 113
Rattus   ATCCCATAAACACA-----AAGGTTTGGTCCTGGCCTTATAATTAATTGGAAGTAAGAT 109
Mus      ATCCCATAAACACA-----AAGGTTTGGTCCTGGCCTTATAATTAATTAGAGGTAAAGT 110
Sciurus  ACTCCATAAACACA-----TAGGTTTGGTCCTGGCCTTTTATTAACTCTTAGTACACT 108
Erinaceus ACCCCGTAAACATATAATTAAAGGTCCTGGTCCAGCCTTCCTATTTTCTATTAGTAGAAT 114
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Canis	AAACTAATAGGCC-TACGGCGTAAAGCGTGTTC--AAGATACTT--TTACACTAAAGTTA	393
Halichoerus	AAACTAATAGGCC-CTCGGCGTAAAGCGTGTTA--AAGATCAAC--CCACACTAAAGCTA	401
Felis	AAACTAATAGACC-CACGGCGTAAAGCGTGTACAGAGAAAAAA--	399
Equus	AAATTAATAAATC-TCCGGCGTAAAGCGTGTCA-AAGACTAATA--CCAAAAATAAGTTA	400
EquusAsinus	AAATTAATAAATC-CGGCGTAAAGCGTGTCA-AAGACCCATA--CTAAAAATAAGTTA	401
Ovis	AAGCTAACAGGAG-TACGGCGTAAAGCGTGTAAAGCATCATA--CTA-AATAGAGTTA	393
Capra	AAGCTAACAGGAA-TACGGCGTAAAGCGTGTAAAGCACTACA--TCA-AATAGAGTTA	391
Bos	AAGCTAACAGGAG-TACGGCGTAAAGCGTGTAAAGCACCATA--CCA-AATAGGGTTA	388
Sus	AAATTAATAGATC-CACGGCGTAAAGAGTGTAAAGAAAAAAA-TCACAATAGAGTTA	398
Oryctolagus	AAATTAATAAATA-TCCGGCGTAAAGCGTGATTAGAAATAAACAA--CAA-AATAAAAATCA	395
Lepus	AAACTAATAAAT-CCGGCGTAAAGCGTGATTAGAAATATTAAA--CAAGAAATAAATCA	394
Homo	AAGTCAATAGAA--CCGGCGTAAAGAGTGTAAAGCAGCTCCCTCCCTAATAAAGCTA	399
Rattus	AAACTAATTATTT--TCGGCGTAAAGCGTGCCAACTATAAATCT--CATAATAGAATTA	390
Mus	AAACTAATTATTT--TCGGCGTAAAGCGTGCAACTATAAATAA--ATAAATAAGAAATTA	391
Sciurus	TAGTTAATAAAGC--ACGGCGTAAAGCGTGATTAAAGCTCTAC--CTAATAGAGTT	396
Erinaceus	ATGAGAAATAGGAA-ATCGGCGTAAAGAGTGTATTAGGATATTAAT---GTAAATGAAATTA	402

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Canis	AAACTTAACAAAGCCGTAAAAAGCTACAGTTA-TCATAAAA-TAAACCAAGAAAGTGACT	451
Halichoerus	AAACCTAACCAAGCCGTAAAAAGCTACCGTTA-ACATAAAA-TAAACTACGAAAGTGACT	459
Felis	AAATTTAACTGGCCGTAAAGCTACAGTTA-ACATAAAAAACAGCAGAAAGTGACT	458
Equus	AAACCCAGTTAAGCCGTAAAAAGCTACAACCA-AAGTAAAA-TAGACTACGAAAGTGACT	458
EquusAsinus	AAACCCAGTTAAGCTGTAAAAAGCTACAACCA-AAGTAAAA-TAAACTACGAAAGTGACT	459
Ovis	AATTTTAAATTAAGCTGTAAAAAGCTCAATTA-TAACAAAAATAAGTACGAAAGTAACC	452
Capra	AATTCTAATTAAGCTGTAAAAAGCTCAATTA-CAACAAAAAGATGCGAAGTAAGCT	450
Bos	AATTCTAAGCTGTAAAAAGCTCAATTA-AAATAAAAATAAGTACGAAAGTGACT	447
Sus	AATTTAACTAGCTGTAAAAAGCTCAATTA-AAATAAAA-TAACCAAGAAAGTGACT	456
Oryctolagus	AATAACAACCTAAGCTGTAGAAAGTAATAGTTGCAACAAAAATAAACACGAAAGTGATT	455
Lepus	AATAGCAACTAAGCTGTAAAAAGTAACAGTTGCAACAAAAATAAACACGAAAGTGATT	454
Homo	AAACTCACCTGAGTTGTAAAAAGCTCAGTTG-ACACAAAA-TAGACTAGAAAGTGACT	457
Rattus	AAATCCAACCTTATATGTGAAAAATTCATTTGTTGGACCTAGGCCAATAACGAAAGTAATT	450
Mus	AAATCCAACCTTATATGTGAAAAATTCATTTGTTAGGACCTAAACTCAATAACGAAAGTAATT	451
Sciurus	GCTTTGACTAAGCTGTAAAAAGCTTAGTTA-ACATAAAAAATAAAACGAAAGTAATC	455
Erinaceus	AAAAATGACTTAGCTGTAAAAAGCTCATTTTCATAAATAAAAAAT-CTAAGAAAGTGTT	461

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Canis	TTATAATAATCTG-ACTACACGATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	510
Halichoerus	TTAATA-ACTCTG-ACAGCAGCATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	517
Felis	TTAACA-CCTCG-ACTACAGCAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	516
Equus	TTAATA-CCTCTG-ACTACAGCATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	516
EquusAsinus	TTAATA-CCTCTG-ACCACACGATAGCTAAGGCCCAACTGGGATTAGATACCCCACTAT	517
Ovis	CTACAA-TAGCTG-AT-ACACCATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	509
Capra	CTACTG-CAGCTG-AT-ACACTATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	507
Bos	CTACAA-TAGCCG-AC-GCACTATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	504
Sus	CTAATA-ATCCTG-AC-ACACGATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	513
Oryctolagus	TTATAC-TCTTCG-AACTCAGCATAGCTAAGGCCCAACTGGGATTAGATACCCCACTAT	513
Lepus	TTATAA-CCTTCG-AACTCAGCATAGCTAAGATCCAAACTGGGATTAGATACCCCACTAT	512
Homo	TTAACA-TATCTG-AACACACAATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	515
Rattus	CTAATCATTTATATAATGCACGATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	510
Mus	CTAATCATTTATA--ATACACGACAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	509
Sciurus	TTATAT-CTCCTG-AACTCAGCATAGCTAAGACCCAAACTGGGATTAGATACCCCACTAT	513
Erinaceus	TCATAGGCTCTT--TTACACGTGAGCTAAGACCCAAACTAGGATTAGATACCCCACTAT	519

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Canis	GCTTAGCCCTAAACATAGATAATTT-TACAA-CAAAATAATTGCGCAGAGGACTACTAGC	568
Halichoerus	GCTTAGCCCTAAACATAAATAATTCACGTAA-CAAAATTAATTGCGCAGAGAACTACTAGC	576
Felis	GCTTAGCCCTAAACTTAGATAGTTACCTAAA-CAAACTATCGCCAGAGAACTACTAGC	576
Equus	GCTTAGCCCTAAACTAAATAGCTTACCACAA-CAAGCTATTCGCCAGAGTACTACTAGC	576
EquusAsinus	GCTTAGCCCTAAACCAAAATAGCTACCATAA-CAAGCTATTCGCCAGAGTACTACTAGC	577
Ovis	GCTTAGCCCTAAACACAATAATTA-TAAAA-CAAAATTAATTCGCCAGAGTACTACCG-C	567
Capra	GCTTAGCCCTAAACACAATAATTA-CAGAA-CAAAATTAATTCGCCAGAGTACTACCGC	566
Bos	GCTTAGCCCTAAACACAGATAATTA-CATAA-CAAAATTAATTCGCCAGAGTACTACTAGC	563
Sus	GCCTAGCCCTAAACCAATAGTTA-CATAA-CAAACTATTCGCCAGAGTACTACTCGC	571
Oryctolagus	GCTTAGCCCTAAACTTTGATAATTT-CATAA-CAAAATTAATTCGCCAGAGAACTACAAGC	570
Lepus	GCTTAGCCCTAAACCTAAATAATTT-CCTAA-CAAAATTAATTCGCCAGAGAACTACAAGC	571
Homo	GCTTAGCCCTAAACCTCAACAGTTA-AATCAA-CAAACTGCTCGCCAGAACCTACGAGC	574
Rattus	GCTTAGCCCTAAACCTTAATAATTAAACCTA-CAAAATTAATTGCGCAGAGAACTACTAGC	569
Mus	GCTTAGCCATAAACCTAAATAATTAAATTTAA-CAAACTATTTGCGCAGAGAACTACTAGC	569
Sciurus	GCTTAGCCCTAAACATAGACACTCA--ATTAA-CAAGCTGTTGCGCAGAGGACTACTAGC	571
Erinaceus	GCTTAGCCCTAAACTTAGACAGTTA--CTTAA-CAAACTGTACGCCAGAGAACTACGAGC	577

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Canis	A-----TTT-CACGAATGTTTTTATGAAATTA-A--AACTGAAGGAGGATTTAG	851
Halichoerus	A-----ACTATACGAAAGTTTTTATGAACTA-AC-AACTAAAGGTGGATTTAG	862
Felis	A-----CCC--ACGAAGATCCTTACGAACTA-A--GTATTAAGGAGGATTTAG	860
Equus	AAGAACTTTA CCCGG CGAA GTCTCTG AACTG-G--AGACTAAAGGAGGATTTAG	872
EquusAsinus	AAGAACTC-AACCAAACGGAAGTCTCCATGAAATTA-G--AGACCGAAGGAGGATTTAG	872
Ovis	ATTT-----AA--TACGAAAGCCATTATGAAATTA-A--TAGCCAAAGGAGGATTTAG	853
Capra	ATT-----A--T CGAA GCCATTG AATTA-A--TGACCAAAGGAGGATTTAG	851
Bos	AATC-----AAG-CACGAAAGTTTATGAAACCA-A--TAACCAAAGGAGGATTTAG	849
Sus	ATCC-----ACCACACGAAAGTTTTTATGAACTA-A--AAACCAAAGGAGGATTTAG	859
Oryctolagus	A-----TACGAAAGCCCTTATGAACTCTAA-GGGCCAAAGGAGGATTTAG	852
Lepus	A-----CAGAAAGCCCTATGAAA CCTG-G GCGAAGG GATTT G	851
Homo	AC-----TACGATAGCCCTTATGAACTT-AA-GGGTCGAAGGTGGATTTAG	852
Rattus	ACAT-----TACGAAA-CCTTTATGAACTAAA--GGACAAAGGAGGATTTAG	851
Mus	ACAT-----TACTATCTCTTTATGAACTAAA--GGACTAAGGAGGATTTAG	851
Sciurus	ATAT-----ACACGATAGCAATCATGAAATATGATTAAACCCAGGCGGATTTAG	859
Erinaceus	ATA-----ACGGAATTTATGAACTAAA--AATTGAAGGAGGATTTAG	857

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Canis	TAGTAAATT-AAGAATAGAGAGCTTAATTGAATAGGGCCATGAAGCAGCACACCCGCC	910
Halichoerus	TAGTAAGCT-AAGAATAGAGAGCTTAGCTGAA CCGGGCCCTG AAGC CGCA CACCGCC	921
Felis	TAGTAAATTTGAGAATAGAGAGCTCAATTGAATCGGGCCATGAAGCAGCACACCCGCC	920
Equus	CAGTAAATT-AAGAATAGAGAGCTTAATTGAATCAGGCCATGAAGCGCGCACACCCGCC	931
EquusAsinus	TAGTAAATT-AAGAATAGAGAGCTTAATTGAATCAGGCCATGAAGCGCGCACACCCGCC	931
Ovis	CAGTAACT-AAGAATAGAGTCTTAGTTGAATCAGGCCATGAAGCAGCACACCCGCC	912
Capra	TAGTAACT-AAGAATAGAGTCTTAGTTGAATTAGGCCATGAAGCAGCACACCCGCC	910
Bos	CAGTAACT-AAGAATAGAGTCTTAGTTGAATTAGGCCATGAAGCAGCACACCCGCC	908
Sus	CAGTAAATC-AAGAATAGAGTCTTAGTTGAATAAGGCCATGAAGCAGCACACCCGCC	918
Oryctolagus	TAGTAAATT-AAGAATAGAGTCTTAATTGAACAAGGCCATGAAGCAGCACACCCGCC	911
Lepus	CAGTAAATT-AAGAATAGAGTCTTAATTGAACAAGGCCATGAAGCAGCACACCCGCC	910
Homo	CAGTAACT-GAGAGTAGAGTCTTAGTTGAACAGGGCCCTGAAGCGGTACACCCGCC	911
Rattus	TAGTAAATT-AAGAATAGAGAGCTTAATTGAATAGAGCAATGAAGTACGCACACCCGCC	910
Mus	TAGTAAATT-AAGAATAGAGAGCTTAATTGAATTGAGCAATGAAGTACGCACACCCGCC	910
Sciurus	TAGTAAATT-GGAT GGT CCTA CTGA CTGGG AATAAAACAGCACACCCGCC	918
Erinaceus	CAGTAAATT-AAGAGTAGAGTCTTAATTGAATTGGCAATGAAGCATGCACACCCGCC	916

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Canis	CGTCACCTCCTCAAGTAATAA-GACAC-AACCATAACCATATTAACCTAAC--TAAAA	965
Halichoerus	CGTCACCTCCTCAAAATAA----ACAC-TACAA--GCTACATAAAACCAACA--CAAAA	971
Felis	CGTCACCTCCTCAA GTGTA-CTGGC-AAAAAGCTT-TTAA TT TA A--CACC-	974
Equus	CGTCACCTCCTTAAATATCA--CAAAAT-CATAAC-ATAACATAAAACCGTGAC-CCAAA	986
EquusAsinus	CGTCACCTCCTTAAATATTA--CAAAAT-CACAAAT-ATTACAAAAACCATGAT-CCAAA	986
Ovis	CGTCACCTCCTCAAGTAATA-TGATA-TACTTAAACC-TATTTACATATA--TCAAC	966
Capra	CGTCACCTCCTCAAGTAATA-CAATG-CACTCAAGCC-TATTAACAGCA--TCAAC	964
Bos	CGTCACCTCCTCAAAATAGATT-CAGTG-CATCTAACCC-TATTTAAACGCA--CTAGC	962
Sus	CGTCACCTCCTCAAGCATGTAGTAATA-AAAATAACCTATATTCAATTACA---CAAC	973
Oryctolagus	CGTCACCTCCTCAA GTGCAATATTT ACTATACTTA- TT ACATAAATAG-ACAAG	968
Lepus	CGTCGCCCTCCTCAAGTACTGAAATATT--AATTATAGTTA-ATT-CCTGAACAA-GCAGG	965
Homo	CGTCACCTCCTCAAGTATA---CTTCA-AAGGACATTTAACTAAAACCCCTAC-GCATT	966
Rattus	CGTCACCTCCTCAAAATAG---ATTG-ACATTCACATATACATAAATTTCACTAACAAA	965
Mus	CGTCACCTCCTCAAAATTA---ATTA-AACTTAACATA-ATTAATTTCTAGACATCCG	964
Sciurus	CGTCACCTCTTCAAGCACCTAAGGTTA-CTTCACATAACTAATAAACTATTCC-TCAA	976
Erinaceus	CGTCACCTCTTCAAGCATATTAA GTG CCA CCTAT TATTT ATGTTATATGATAAT	976

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Stop here for last primer universal upstream

Canis	CACA----AGAGGAGACAAGTCGTAAACAAGGTAAAGCATACCGGAAGGTGTGCTTGGATTA	1021
Halichoerus	CATAT---AGAGGAGATAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGGTAA	1028
Felis	CACA----AGAGGAGATAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGATTA	1030
Equus	CATATG--AAAGGAGACAAGTCGTAAACAAGGTAAAGTATACCGGAAGGTGTACTTGGATAA	1044
EquusAsinus	CATATG--AAAGGAGACAAGTCGTAAACAAGGTAAAGTATACCGGAAGGTGTACTTGGATAA	1044
Ovis	CACACG--AGAGGAGACAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGATAA	1024
Capra	TACATG--AGAGGAGATAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGATAA	1022
Bos	TACATG--AGAGGAGACAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGATAA	1020
Sus	CATGCA--AGAAGAGACAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGATTA	1031
Oryctolagus	CATA----AGAGGAGATAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGACAT	1024
Lepus	TATA----AGAGGAGATAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGACAT	1021
Homo	TATAT---AGAGGAGACAAGTCGTAAACATGGTAAGTGTACTGGAAGTGCATTTGGACGA	1023
Rattus	TTTATG--AGAGGAGATAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGATAA	1023
Mus	TTTATG--AGAGGAGATAAGTCGTAAACAAGGTAAAGCATACTGGAAGTGTGCTTGGATAA	1022
Sciurus	TGCA----AGAAGAGATAAGTCGTAAACAAGGTAAACATACTGGAAGTGTGCTTGGATAA	1032
Erinaceus	CACATGCAAG TGA GAGTGGCA TGGG TGTATACTGGAAGTGTACTTGGATTA	1036

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tRNA-Val To here for down stream

Canis	ATCAAAGTGTAAGCTTAA----CTAAAGCGTCTGGCCTACACCCAGAAGATTTTCATTACTT	1077
Halichoerus	ATCAAAGTGTAAGCTTAA----ACAAAGCGTCTGGCCTACACCCAGAAGATTTTCACACCCA	1084
Felis	--CAAGATGTAGCTTAA----ACAAAGCATCTGGCCTACACCCAGAAGATTTTCATATTAA	1084
Equus	--CCAAAGTGTAAGCTTAA----ACAAAGCATCCAGCTTACACCTAGAAGATTTTCACATAA	1099
EquusAsinus	--CCAAAGTGTAAGCTTAA----ACAAAGCATCCAGCTTACACCTAGAAGATTTTCACACTAGA	1099
Ovis	ACCAAGATATAGCTTAA----TTAAAGCATCTAGTTTACACCTAGAAGATTTTCACACATT	1080
Capra	ATCAAGATATAGCTTAA----CCAAAGCACCTAGTTTACACCTAGAAGATTTTCACATATT	1078
Bos	ATCAAGATATAGCTTAA----ACAAAGCATCCAGTTTACACCTAGAAGACTTCATTTCATT	1076
Sus	--CCAAAGCATAGCTTAA--CTAAAGCACCTAGTTTACACCTAGAAGATCCCACAATGT	1087
Oryctolagus	TTCAAGACGTAGCTTAA--TTAAAGCACTTGGCTTACACCCAGAAGATTTTCATTTCAC-	1080
Lepus	TACAGAGTGTAAGCTTAA--TTAAAGCACTTGGCTTACACCCGAGAGATTTTCATTCTA-	1077
Homo	ACCAGAGTGTAAGCTTAA--ACAAAGCACCCAACTTACACTTAGGAGATTTTCAACTTAA	1080
Rattus	ATCAAGATATAGCTTAA--ACAAAGCATCCAGTTTACACCTAGAAGATTTTCATGACCA	1081
Mus	ATCATAGTGTAAGCTTAA--TTAAAGCATCTGGCCTACACCCAGAAGATTTTCATGACCA	1080
Sciurus	--CCAAAGATATAGCTTAA--TTAAAGCTCCCGGCTTACACCCGGAAGATTTTCACCCCA-	1090
Erinaceus	-TCGGAGTGTAAGCTTAA--ATAAGCGACTGCCTTACACCCAGGAATTCCTAATTATA	1092

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16S rRNA

Canis	A-TGGCCACTTTGAACAAAAGTAGCCCAA-----CTAACCCCAA-ACCTTAAGTATTAC	1129
Halichoerus	G-TGACCACTTTGAACCAAAGTAGCCCAA-----ATAACAAACA-ACATAACTACAAA	1136
Felis	ACTGACCATCTTGAGCTAAAGTAGCCCAA-----ACATCTACAA-ACACAACTAACAC	1137
Equus	A-TGAACACTTTGAACTAAGCTAGCCCAA-----ACAATACCTA-ATTCAATTACCTT	1151
EquusAsinus	G-TGAACACTTTGAACTAAGCTAGCCCAA-----ACAATACCTA-ACTCAACTACCTT	1151
Ovis	A-TGAGTATCTTGAAC-TAGCTAGCCCAA-CTCCGACTCTCCAGTTTAAATAACTAA	1139
Capra	A-TGAATATCTTGAAC-TAGCTAGCCCAA--TCCCTCCCTCCCA-TCTAAATTAACCA	1132
Bos	A-TGAATATCTTGAAC-TAGCTAGCCCAAAG-ATACCTCTCTGA--CTAAACAACCAA	1131
Sus	A-TGGGTACTTTGAACCAAAGCTAGCTCAA-----CATACTAAACA-AATACAAAATAC	1140
Oryctolagus	--TGACCACTCTGAGCCAAC-TAGCCCTA-----TGAACTAACCAACACGAGT	1131
Lepus	--TGACCACTCTGAGCCAAC-TAGCCCTA-----CCAACTCAGCTTTAACCATAGT	1128
Homo	CTTGACCGCTCTGAGCTAAACCTAGCCCAA-----ACCCACTCCA--CCTTACTACCA-	1132
Rattus	A-TGAACACTTTGAAC-TAGCTAGCCCTA-----TAGCTAACCAACCACTAACCA	1132
Mus	A-TGGCTCTCTGAGCT-TAGCTAGCCCTA-----GCTCTACACAAATATAATTA-TAC	1132
Sciurus	--TGAATATCTTGAACCAAGTTCTAACCCAAA-----ACTCAACTCA--CTCAACTAAAA	1141
Erinaceus	--TGGACACTCTGAGCCAAC-TAGCTACTAA--ATTATTCTA--CTTATTAAACC	1144

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Canis	AGACACATAAAATAAAACATTTAGTTAAACAATAAAAGTATAGGAGATAGAAATT--TTA	1187
Halichoerus	GCAAAACATCAAAACAAAACATTTAGTATACATTA--GTATAGGAGATAGAAATT--TTT	1193
Felis	TGAATATCAAAACAAAACATTTAGTATACATTA--GTATAGGAGATAGAAATT--TAA	1195
Equus	TAGTCACTTAACTAAACATTTCA--CCAAACCATTAAGTATAGGAGATAGAAATT--TTA	1208
EquusAsinus	TAGTCACTTAACTAAACATTTCA--CCAAACCATTAAGTATAGGAGATAGAAATT--TTA	1208
Ovis	ATTAAT-TAAAAATAAAACATTTA--C-CCTAATTAAGTATAGGAGATAGAAATT--CTA	1193
Capra	AACAGTCTAAACAAAACATTTA--C-CCCAATTAAGTATAGGAGATAGAAATT--TTA	1187
Bos	GATAGAATAAAACAAAACATTTAATC-CCAATTTAAGTATAGGAGATAGAAATT--CTA	1187
Sus	ACCAAAATAAAATAAAACATTTA--CC-TAACATTAAGTATAGGAGATAGAAATT--TTT	1196
Oryctolagus	AATTAGCTAACTAAACCATTCACCCATAT-TAAAGTATAGGAGATAGAAATT--TAT	1188
Lepus	AACTCTAATCTAAACCATTCACCCATAT-TAAAGTATAGGAGATAGAAATT--TGT	1186
Homo	GACAACTTAGCCAAACCATTTA--CCCAATTAAGTATAGGAGATAGAAATT--GAA	1186
Rattus	CCCCACATAAACTAAACATTTA--ACTCA--AAAGTATTGGAGAAAGAAATTTACTT	1187
Mus	TATTATATAAACTAAACATTTA--TCCTACTAAAAATATTGGAGAAAGAAATTCGTC	1189
Sciurus	AAATTAATCAAAACAAAACATTTA--CCTTTAATAAAAGTATAGGAGATAGAAATT--TAA	1197
Erinaceus	ACTAAATTAATAAAACATTTATTAACCTTACAGTATAGGAGATAGAAATT--TAT	1202

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Canis	ATT--GGAGCGATAGAGATAGTACC-GTAAGGGAAT-GATGAAAGACATC--TTAACAGT	1241
Halichoerus	AACCAGGAGCTATAGAGACAGTACCAGCAAGGAAA-GATGAAAGAGAAAT--TCAA-AGT	1249
Felis	CTT--GGCGCTATAGAGAAAGTACC-GCAAGGGAAT-GATGAAAGAGATAA--TTAAAGC	1250
Equus	ACTT-GGCGCTATAGAGAAAGTACC-GTAAGGGAAC-GATGAAAGATGCA--TTAAAGT	1263
EquusAsinus	ACTT-GGCGCTATAGAGAAAGTACC-GTAAGGGAAC-GATGAAAGATGTA--TTAAAGT	1263
Ovis	AACACGGCGCTATAGAGAAAGTACC-GCAAGGGAAT-GATGAAAGAGATAA--AATCAAGT	1250
Capra	AATATGGCGCTATAGAGAAAGTACC-GTAAGGGAAT-GATGAAAGAGATAA--AATCAAGT	1245
Bos	AGTACGGCGCTATAGAGAAAGTACC-GCAAGGGAAC-GATGAAAGAGATAA--AATCAAGT	1245
Sus	ATCCTGACGCTATAGAGAAAGTACC-GTAAGGGAAT-GATGAAAGAGATAA--AATCAAGT	1252
Oryctolagus	ATCCTAGGCGCTATAGAGAAAGTACC-GTAAGGGAAT-GATGAAAGATGTA--TTAAAGC	1244
Lepus	-CTTAGGCGCTATAGAGAAAGTACC-GTAAGGGAAT-GATGAAAGATGTA--TTAAAGC	1241
Homo	ACCT-GGCGCAATAGATATAGTACC-GCAAGGGAAT-GATGAAAGATGTA--TTAAAGC	1241
Rattus	ACC-AAGAGCTATAGAGAAAGTACC-GCAAGGGAATGATGAAAGATGTA--TTAAAGT	1243
Mus	CTCTAGGAGCTATAGAGAAAGTACC-GCAAGGGAATGATGAAAGATGTA--TTAAAGT	1245
Sciurus	CCTTTGAGGCTATAGAGAAAGTACC-GTAAGGGAATGATGAAAGATGTA--TTAAAGT	1253
Erinaceus	AC--AGCGCAATAGAGAAAGTACC-GTAAGGGAATGATGAAAGATGTA--TTAAAGT	1253

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Canis	ATTAAACAG-CAAAGATTACCCCTTCTACCTTTTGCATAATGAACTAGCCAG-AAACAA	1299
Halichoerus	AAAAAATAG-CAAAGATTACCCCTTCTACCTTTTGCATAATGAATTAGCTAG-AA-CAAC	1306
Felis	ACCACACAG-CAAAGATTACCCCTTGTACCTTTTGCATAATGAGTTAGCTAG-AA-CAAC	1307
Equus	ACTAAACAG-CAAAGCTTACCCCTTTTACCTTTTGCATAATGATTTAACTAG-AAATAAAC	1321
EquusAsinus	ACTAAACAG-CAAAGCTTACCCCTTTTACCTTTTGCATAATGATTTAACTAG-AAATAAAC	1321
Ovis	ACAAAAAAG-CAAAGATTAAACCTTGTACCTTTTGCATAATGAATTAACGAGCAAAAAAC	1309
Capra	ACAAAAAAG-CAAAGATTAAACCTTGTACCTTTTGCATAATGAATTAACGAGCAAAAAAC	1304
Bos	ATAAAAAAG-CAAAGATTACCCCTTGTACCTTTTGCATAATGAATTAAGTATAAGAC	1304
Sus	AAAAAAAAG-CAAAGATTACCCCTTCTACCTTTTGCATAATGAATTAACCCAG-AAAAAAT	1310
Oryctolagus	ACAAAAAAG-CAGAGATTACTTCTCTTACCTTTTGCATAATGAATTAAGCTAG-AAAAATCC	1302
Lepus	ACAAAAAAG-CAGAGATTACTTCTCTTACCTTTTGCATAATGAATTAAGCTAG-AAAAATCC	1299
Homo	ATAATATAG-CAAGGACTAACCCCTTATACCTTCTGCATAATGAATTAAGCTAG-AAATAAC	1299
Rattus	AAAAACAGCAAGATTAAACCTTGTACCTTTTGCATAATGAATTAAGCTAG-AAAAATCC	1301
Mus	AAAAACAAG-CAAAGATTAAACCTTGTACCTTTTGCATAATGAATTAAGCTAG-AAAAATCC	1303
Sciurus	AATATAAAG-CAAGGATTAAACCCCTTCTACCTTTTGCATAATGAATTAAGCTAG-AAAAAGAC	1311
Erinaceus	A--AAATG-G-CAAGGATTACCTTGTAT--CTTTG--TAATGATTTAGCCAG-AAAAAAA	1305

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Canis	TTAACAAAGAGAACTTAAGCTAAGCTCCCCG-AAACCAGACGAGCTACCCATAAACCAATC	1358
Halichoerus	TTAACAAAGAGAACTTAAGCTAAGCCCCCCG-AAACCAGACGAGCTACCTGCGAACCAATC	1365
Felis	CTAACAAAGAGAACTTAAGCTAAGCCCCCCG-AAACCAGACGAGCTACCTGCGAACCAATC	1366
Equus	TTAGCAAAGAGAACTTAAGCTAAGCACCCCG-AAACCAGACGAGCTACCTATGAACAGT-	1379
EquusAsinus	TTAGCAAAGAGAACTTAAGCTAAGCACCCCG-AAACCAGACGAGCTACCTATGAACAGT-	1379
Ovis	TTAACAAACGAACTTTTGAAGTAAGTAAACCCG-AAACCAGACGAGCTACTATGACAGTT	1368
Capra	TTAACAAACGAACTTTTGAAGTAAGTAAACCCG-AAACCAGACGAGCTACTATGAGGAGTT	1363
Bos	TTAACAAACGAACTTTTGAAGTAAGTAAACCCG-AAACCAGACGAGCTACTATGAGGAGTT	1363
Sus	CTAACAAAGAGAACTTTGAAGTAAACCCG-AAACCAGACGAGCTACCTATGACAGTT	1369
Oryctolagus	TTAGCAAACGAACTTTTGAAGTAAACCCG-AAACCAGACGAGCTATTTATGAGCAGT-	1360
Lepus	TTAGCAAACGAACTTTTGAAGTAAACCCG-AAACCAGACGAGCTATCTACGAGCAGT-	1357
Homo	TTTGCAGGAGAGCCAAAGCTAAGACCCCCG-AAACCAGACGAGCTACCTAAGCAACAGC-	1357
Rattus	TTAACAAACGAACTTTAAGCTAAGCACCCCG-AAACCAGACGAGCTACCTAAGCAACAT	1360
Mus	CTAACTAAAAGAACTTACAGCTAGAAACCCCCG-AAACCAGACGAGCTACCTAAGCAACAT	1362
Sciurus	TTTACAAACGAACTTAAAGTAAATACCCCCG-AAACCAGACGAGCTACTAATGAGCAAT-	1369
Erinaceus	TTAACAAAGAGAACTAAAGCTAATACCCCCGAAACCAGACGAGCTATCTAATAATAACT	1365

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Canis	TA--AAAGGATCAACTCATCTATGTAGCAAAATAGTGAGAAGATTTGTGGGTAGAGGTGA	1416
Halichoerus	CC--CTGGGATGAACCTCATCTATGTGGCAAAATAGTGAGAAGATTCGAGGTAGAGGTGA	1423
Felis	TATTACAGGATGAACCTCGTCTATGTGGCAAAATAGTGAGAAGATTTGTGGGTAGAGGTGA	1426
Equus	TACAAATGAACCAACTCATCTATGTGGCAAAATAGTGAGAAGATTCGAGGTAGAGGTGA	1439
EquusAsinus	TATAAA-GAACCACACTCATCTATGTGGCAAAATAGTGAGAAGATTCATAGGTAGAGGTGA	1438
Ovis	TATTA--GAACCACACTCATCTATGTGGCAAAATAGTGAGAAGATTCATAGGTAGAGGTGA	1426
Capra	TATCA--GAACCACACTCATCTATGTGGCAAAATAGTGAGAAGATTCATAGGTAGAGGTGA	1421
Bos	TACCAA-GAACCACACTCATCTATGTGGCAAAATAGTGAGAAGATTTGTAGGTAGAGGTGA	1422
Sus	TAAAA--GAACCACACTCATCTATGTGGCAAAATAGTGAGAAGATTTGTAGGTAGAGGTGA	1427
Oryctolagus	TGAAA--GAACGAACCCGCTCATGTGGCAAAATAGTGAGAAGATTTGTAGGTAGAGGTGA	1418
Lepus	TGTAA--GAACGAACCCGCTCATGTAGCAAAATAGTGAGAAGATTTATAGGTAGAGGTGA	1415
Homo	TAAAA--GAGCACACCCGCTCATGTAGCAAAATAGTGAGAAGATTTATAGGTAGAGGCGA	1415
Rattus	TCA--TGAAATCAACCCGCTCATGTAGCAAAATAGTGAGAAGATTTTACGTAGAGGTGA	1417
Mus	TTA--TGAAATCAACCTCGTCTATGTGGCAAAATAGTGAGAAGATTTTGTAGGTAGAGGTGA	1419
Sciurus	TGAAA--GAATAAACCCGCTCATGTGGCAAAATAGTGAGAAGATTTGTAGGTAGAGGTGA	1427
Erinaceus	TTC--TGAGTCAACTCATCTATGTGGCAAAATAGTGAGAAGATTTACTAGGTAGAGGTGA	1422

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Canis	AAAGCCTAACGAGCCTGGTGATAGCTGGTTACCCACAGACAGAAATTTTAGTTCAACTTTA	1476
Halichoerus	AAAGCCTAACGAGCCTGGTGATAGCTGGTTACCCA-GAATAGAAATTTTCAAGTTCAACTTTA	1482
Felis	AAAGCCTAACGAGCCTGGTGATAGCTGGTTGCCA-GAACAGAACTTTTCAAGTTCAACTTTA	1485
Equus	AAAGCCCAACGAGCCTGGTGATAGCTGGTTGTCCAGAAACAGAAATTTTCAAGTTCAACTTTA	1499
EquusAsinus	AAAGCCCAACGAGCCTGGTGATAGCTGGTTGTCCAGAAACAGAAATTTTCAAGTTCAACTTTA	1498
Ovis	CATGCCTAACGAGCCTGGTGATAGCTGGTTGTCCAGAAATGAATTTTCAAGTTCAACTTTA	1486
Capra	CATGCCTAACGAGCCTGGTGATAGCTGGTTGTCCAGAAATGAATTTTCAAGTTCAACTTTA	1481
Bos	CATGCCTAACGAGCCTGGTGATAGCTGGTTGTCCAGAAATGAATTTTCAAGTTCAACTTTA	1482
Sus	AAAGCCTAACGAGCCTGGTGATAGCTGGTTGTCC-GAAGAAATTTTCAAGTTCAACTTTA	1486
Oryctolagus	AAAGCCCAACGAGCCTGGTGATAGCTGGTTGTCC-GAATAGAAATTTTCAAGTTCAACTTTA	1477
Lepus	AAAGCCCAACGAGCCTGGTGATAGCTGGTTGTCC-GAATAGAAATTTTCAAGTTCAACTTTA	1474
Homo	CAAACTTACCGAGCCTGGTGATAGCTGGTTGTCC-AGATAGAACTTTTCAAGTTCAACTTTA	1474
Rattus	AAAGCCTAACGAGCCTGGTGATAGCTGGTTGTCCAAAAA-GAATTTTCAAGTTCAACTTTA	1476
Mus	AAAGCCTAACGAGCCTGGTGATAGCTGGTTACCCAAAAATGAATTTTCAAGTTCAACTTTA	1479
Sciurus	AAAGCCTAACGAGCCTGGTGATAGCTGGTTGTCC-GAATAGAAATTTTCAAGTTCAACTTTA	1486
Erinaceus	AACGCCTATCG GCCTGGTG T GCTGGTTGTCC-AATAAGAAATTTTCAAGTTCAACTTTA	1481

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Canis	AATTTACCTAAAAAAAT--AAAATTTTAAATGTAAATTTAAATATAGTCTAAGAAAGGTA	1534
Halichoerus	AACCTTACCTAAAAACCA--AGAATTTTAAATGTAAAGCTTAAAAATAGTCTAAAAAGGTA	1539
Felis	AACCTTACCTCAAAAACCT--AAAATTTCCAATGTAAAGTTAAAAATATAGTCTAAAAAGGTA	1543
Equus	AATTTACCTAAAAACTAC--TCAATTTCTAATGTAAATTTAAATATAGTCTAAAAAGGTA	1557
EquusAsinus	AATTTACCTAAAAACCA--TTAATTTCTAATGTAAACTTAAATTTATAGTCTAAAAAGGTA	1556
Ovis	AAGATACCAAAAAATACAAA--TAAATCCCACTGTATCTTTAAAAAGTTAGTCTAAAAAGGTA	1545
Capra	AAGATACCAAAAAATATAAA--TAAATTTTACTGTATTTTAAAAAGTTAGTCTAAAAAGGTT	1540
Bos	AAGATACCAAAAAATTCAAA--TAAACCCCACTGTAGCTTTAAAAAGTTAGTCTAAAAAGGTA	1541
Sus	AAAATACCCCAAAAACCC--TAAATTTCCAATGTATTTTAAAGAGATAGTCTAAAAAGGTA	1544
Oryctolagus	AATTTTCTTAAAGGACAT--AAAACCCCTAATGAAATTTAAATGTTACTCTAAAGAGGGA	1535
Lepus	AATTTTCTTAAAGGACAC--CCAACCCCTAATGAAAGTTAAATGTTATCTTAAAGAGGGA	1532
Homo	AATTTGCCACAGAACCTCTAATCCCTTGTAAATTTAACTGTTAGTCCAAAGAGGAA	1534
Rattus	AGCTTCCATCAGAACAC-AAA-TCAAATGTAACTTAAATATAGCCAAAGAGGGA	1534
Mus	AACCTTGCTAAAAAATAAC-AAAATCAAAAAGTAAGTTTAAATTTAGCCAAAGAGGGA	1538
Sciurus	AATTTACCTAAAAAGAAATTA-TTAAATCTAATGTAAATTTAAATAGTTATCTTAAAGAGGTA	1545
Erinaceus	AATTTACCTATATAATAT--ATAATAAATTTGTAAATTTAAAGATAATTTCTAAGAGGGA	1538

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Canis	CAGCTTCTTAGAATC-AGGATACAACCTTTATTAGAGAGTATATACTAATATCA-----	1587
Halichoerus	CAGCTTTTATAGATCA-AGGATACAACCTTACTTAGAGAGTAAACACAAATTAGA-----	1592
Felis	CAGCTTTTATAGACCT-AGGATACAACCTTTATTAGAGAGTAAAGCATAAATATA-----	1596
Equus	CAGCTTTTATAGATAC-AGGTTACAACCTTCATTAGAGAGTAAAGAACAGATAAA-----	1610
EquusAsinus	CAGCTTTTATAGATAC-AGGATACAACCTTTATTAGAGAGTAAAGATAAGATTAAAT-----	1610
Ovis	CAGCTTTTATAGAAAT--GGGTACAACCTTCACTAGAGAGTAAAGATCTAAA--AAT-----	1596
Capra	CAGCTTTTATAGAAAT--GGATACAACCTTCACTAGAGAGTAAAGACTTTAC--AAC-----	1591
Bos	CAGCTTTTATAGAAAC--GGATACAACCTTGACTAGAGAGTAAATTTAACT--ACT-----	1592
Sus	CAGCTTTTATAGAAAC--GGATACAACCTTGACTAGAGAGTAAATCTTTAT--ACT-----	1596
Oryctolagus	CAGCTCTTTATAGATAT-AGGATACAGCCTTTTATAAGAGTAAAGTTATTTTTCAA-----	1588
Lepus	CAGCTCTTTATAGAAAC-AGGATACAGCCTTTTATAAGAGTAAAGTCATTTTAA--AA-----	1584
Homo	CAGCTCTTTGGACACTAGGAAAAAACCTTGTAGAGAGAGTAAAAAATTTAACTC-----	1588
Rattus	AGCTCTTTAGGAAA-CGGAAAAAACCTTAAATAGTGATATAAACAACCTACA-ATCAGCTA	1592
Mus	CAGCTCTTCTGGAA--CGGAAAAAACCTTTAAATAGTGAAATTAATTAAC-GAACAACTTTT	1596
Sciurus	CAGCTCTTTAGATTAAAGGAAACAGCCTTATTAGAGAGTAAATTTAACTTCC-----	1599
Erinaceus	CAGCTCTTAGAATAA-GGGGTACAGCCCTAATCAGAGAGTAACTATATTCAATA-----	1591

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Canis	-CCATAGTTGGCTTAAAAGCA-GCCACCAATTGAGAAAGCGTTCCAGCTCAACAAACAAAT	1645
Halichoerus	-CCATAGTAGGCCTAAAAGCA-GCCATCAATTAAAGAAAGCGTTAAAGCTCAACAAATCAA	1650
Felis	ACCATAGTTGGCTTAAAAGCA-GCCATCAATTAAAGAAAGCGTTCAAGCTCAACAAATCAA	1655
Equus	CCCATAGTTGGCTTAAAAGCA-GCCATCAATTAAAGAAAGCGTTCAAGCTCAACAAATCAA	1669
EquusAsinus	CCCATAGTTGGCTTAAAAGCA-GCCATCAATTAAAGAAAGCGTTCAAGCTCAACAAATCAA	1669
Ovis	ACCATAGTAGGCCTAAAAGCA-GCCATCAATTAAAGAAAGCGTTAAAGCTCAACAAATCAA	1655
Capra	ACCATAGTAGGCCTAAAAGCA-GCCATCAATTAAAGAAAGCGTTAAAGCTCAACAAATCAA	1650
Bos	ACCATAGTAGGCCTAAAAGCA-GCCATCAATTAAAGAAAGCGTTAAAGCTCAACAAACAAA	1651
Sus	ACCATAGTAGGCCTAAAAGCA-GCCATCAATTGAGAAAGCGTTAAAGCTCAACAAATTTCA	1655
Oryctolagus	TCCATAGTTGGCTTAAAAGCA-GCCATCAATTAAAGAAAGCGTTAAAGCTCAACAAATCAA	1647
Lepus	CCCATAGTTGGCTTAAAAGCA-GCCATCAATTAAAGAAAGCGTTAAAGCTCAACAAATCAA	1643
Homo	-CCATAGTAGGCCTAAAAGCA-GCCACCAATTAAAGAAAGCGTTCAAGCTCAACACCCACT	1646
Rattus	ACCATGTAGGCTTAAAGCCATCAATTAAGAAAGCGTCAAGCTCAACAAATTTAT	1652
Mus	CCATTGTAGGCTTAAAAGCA-GCCACCAACAAAGAAAGCGTTCAAGCTCAACATA--AA	1653
Sciurus	-CCATAGTTGGCTTAAAAGCA-GCCATCAATTAAAGAAAGCGTTCAAGCTTAACTTAACAA	1657
Erinaceus	ATCATAGTAGGCCTAAAAGCA-GCCACCAATTAAAGAAAGCGTTAAAGCTCAACAAATCTG	1650

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Canis	A-TAACTT-AATCCCAACCAT--ACTACATC-AACTCCTA-ATTATACCCCCTGGGTCAAT	1699
Halichoerus	T-CAACAT-AATACCAAAAGA--ACTCAAAAC-AACTCCTA-AC-GTACATC-TGGGTCAA	1702
Felis	G-CATCTT-AATGTCAAAAAT--AATGCAACCAACTCCTA-AC-CTAAAC-TGGGTCAA	1708
Equus	C-TATCTT-AATCCCAACCAATCAACCAAACTAACTCCTA-ATCTCATACT--GGACTAT	1724
EquusAsinus	A-TATCTT-AATCCCAATAATAGACTAGACTAACTCCTA-ATCTTAACT--GGACTAT	1724
Ovis	G-TATTATTAATCCCAAGCAAT-AACATTAGCCAACCTCCTA-GATTTAATAC-TGGACTAT	1711
Capra	A-TAAAATTAATCCCAACCAAT-AGTAC-AACTAACTCCTA-GACCTAATAC-TGGACCAC	1705
Bos	A-TTAAATAGATTCCCAACCAAT-AA-AT-GATTAACCTCCTA-GCCCCAATAC-TGGACTAA	1705
Sus	C-CAACAT-AATCCCAAAAAC-TA-AT-AACAAACTCCTA-G-CCCAATAC-CGGACTAA	1707
Oryctolagus	AACCACTTAATAAGAAATATT--TTAAACGAACCTTTATAAACCTT-AACTGGACTAA	1703
Lepus	A-TCAACTTAATTCCTATATT--TAAGAACGAACCTTTATAATCCCTTAACTGGACTAA	1699
Homo	A-CCTAAAAATCCCAACCAT--ATAACTGAACCTCCTCACACCCAAAT--TGGACCAA	1698
Rattus	ACACACATAATCCCAACCAAC--CTCAAAA-TTCCAAAATTAACAATTT--GGGCTAA	1705
Mus	ATTTCAATTAAATTCCTAACT--TACACCAACTTCTTAAATTTAAATTT--GGGTAA	1707
Sciurus	ACATATATAACCTAATTTCCACACTTAACAATAAGCTCCTA-ATCATATAAC-TGGACTAC	1715
Erinaceus	A-CTAATTTAATACCAAAATTT--TATTCCTAACTCCTGATTTACAAATTT--GGACTAA	1703

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Canis	-TCTATTTAAGTATAGAAGCAATAATGCTAGTATGAGTAACAGAAC-CATTTTCTCCCT	1757
Halichoerus	-TCTATTCAATTATAGTTGAGCAATGCTAATATGAGTAACAGAAA-CCTTTTCTCCTT	1760
Felis	-TCTATTTAATAATAGAAGCAATAATGCTAATATGAGTAACAGAAA-TATTT-CTCCCT	1765
Equus	-TCTATCAACACATAGAAGCAATAATGTTAATATGAGTAACAGAAAT-TATTT-CTCCTT	1781
EquusAsinus	-TCTATCGACACATAGAAGCAATAATGTTAATATGAGTAACAGAAAT-TATTT-CTCCTT	1781
Ovis	-TCTATTAATAATAAGAAGCAATAATGTTAATATGAGTAACAGAAA-TATTTTCTCCTC	1768
Capra	-TCTATTATTAATAAGAAGCAATAATGTTAATATGAGTAACAGAAA-TATTTTCTCCTT	1763
Bos	-TCTATTATAGAATAAGAAGCAATAATGTTAATATGAGTAACAGAAA-TATTTTCTCCTT	1763
Sus	-TCTATTGAAACATAGAAGCAATAATGTTAATATGAGTAACAGAAAG-C-CTTTCTCCTC	1764
Oryctolagus	-TCTATAAATCTATAGAAGAAATAATGCTAATATAAGTAACAGAAAT-ACTATTCTCCTT	1761
Lepus	-TCTATAAATTTATAGAAGAAATAATGCTAATATGAGTAACAGAAAT-TCTATTCTCCTT	1757
Homo	-TCTATCACCCTATAGAAGAACTAATGTTAGTATAAGTAACATGAAA-ACATTCTCCTCC	1756
Rattus	ATCTATGATCCTACTGA---ATACTGTTAATATGTG-AACAGAA--CCAATCCACCA	1758
Mus	-TCTATAACTTTATAGATGCAACACTGTTAGTATGAGTAACAGAAATCTAATCTCCTAG	1766
Sciurus	-TCTATAAACTTATAGACGCAATAATGTTAGTATTAGTAACAGAAA-CAATTTCTCCTT	1773
Erinaceus	-TCTATTACCCAATAGAAGAAATACTGCTAATATGAGTAACAGAAATA---ATTTCTCTA	1758

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Canis	GCATAAGCT-TATATCAGGAACGGATAGACCACTGATAGTTAAC--AATCT--GATAATA	1812
Halichoerus	GCATAAACT-TATAACCGAAATGGATAT-CCACTGATAGTTAAC--AACAA--GATAAAA	1814
Felis	GCATAAGCT-TATATCAG-AACGGATAA-CCACTGATAGTTAAC--AACAA--GATATAT	1818
Equus	GCATAAGCT-TATATCAG-AACGAATAC-TCAGTATAGTTAAC--AACAA--GATAGGG	1834
EquusAsinus	GCATAAGCC-TATATCAG-AACGAATAC-TCAGTATAGTTAAC--AACAG--AATAGAC	1834
Ovis	GCACAAGTT-TAGTCTGTTCTGTTATCTCCCTGCTGTTAAC--AGTAA--ATAAAA	1822
Capra	GCACAAGTT-TAAGTTAGTATCTGATATATTCTGACTGTTAAC--AGTAA--ATAAAA	1817
Bos	GCATAAGTC-TAAGTCAGTGCTGATATACTCTGACCACTAAC--AGTCA--ATAAAA	1817
Sus	GCACAAGCT-TACATCAGTAACATACTGATAGTTAAC--AACCA--ATAAAA	1818
Oryctolagus	GCACAAGCT-TATATCAG-ATCGGATGC-CCACTGATAGTTAAC--AGCCC-CAATAGAA	1815
Lepus	GCACAAGCC-TATATCAG-ATCGGATGC-CCGCTGATAGTTAAC--AACTAGTAATAGAA	1812
Homo	GCATAAGCC-TGCGTCAGATCAAAACCTGAACTGACAATTAACT--AGCCC--AATATCT	1811
Rattus	GCACAAGTGTAGTAACTA-C-CCGATAC-CCATTGTTAATTA-TTGAATCATAGGCA--	1811
Mus	GCATACACA-TATAACAA-CTCGGATAA-CCATTGTTAGTTAATCAGACTATAGGCAATA	1823
Sciurus	GCATAAGTT-TATATCAG-ACCGAATCCTCCTGATAGTTAAC-AGACAA--ATAATT	1827
Erinaceus	GCATAAATT-TTCTG-ATCTGCTGATAGTTAAC--AATTC--AATGAAC	1812

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Canis	TCAACCCAAAAATGAA--ATACTATCCA-CCCCATTGTTAACCCAAACAGGTATGCAT	1869
Halichoerus	CTAACCAACCAATTAATATACCTATCAA-CTAATTGTTAAGCCAAACAGGAATGCAA	1873
Felis	ATAACCTAACCATAAACAAAA--TATCAA-ATTAATTGTTAACCCAAACAGGTATGCAA	1875
Equus	ATAATCCAAAACTAATCATC--TATTTA-AACCAATTGTTAACCCAAACAGGCATGCAT	1891
EquusAsinus	ACAATCCAAAACTAACCATC--TATTTA-GACTATTGTTAACCCAAACAGGTGTGCAC	1891
Ovis	ATAACCCAAACATAAATGATT--TATTAC-TTATACTGTTAACCCAAACAGGAGTGCA	1879
Capra	ACAACCTAACGATATAAATATC--TATTAA-TTATACTGTTAACCCAAACAGGAGTGCA	1874
Bos	ATAATCCAAACATAAACAATT--TATTGA-TTATACTGTTAACCCAAACAGGAGTGCA	1874
Sus	-CAAAACAACTAATAACGTT--TATTAA-TTACATTGTTAACCCAAACAGGAGTGCA	1874
Oryctolagus	ATAATCCCAAAATTAATATC--TATTAACTTTACTGTTAACCCAAACAGGAGTGCTA	1873
Lepus	AAACTCTACAAATTAATCCTC--TATTAACTTTACTGTTAACCCAAACAGGAGTGCA	1870
Homo	ACAATCAACCAACAGTCATT--ATTAC-CCTCACTGTCAACCCAAACAGGCATGCTC	1867
Rattus	TAACCCAAACATAGAA-TATCCC--TAACCTGTTAAGCCAAACAGGCGTGT	1867
Mus	ATTACACTATAAATAATTCACC-TATAAC--TTCTCTGTTAACCCAAACAGGAGTGCTA	1880
Sciurus	AAACTTAAACCTTAATCTT--TATTAT-CCAACTGTTAACCCAAACAGGAGTGCTA	1884
Erinaceus	AAAATCATTAATTAATAATC--TTTAA-TAAATGTTAGACCAACAGGAGTGCAAT	1868

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Canis	-T-CAAGGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACAC-AAACCCCGCCTGTTT	1926
Halichoerus	-C-CAAGGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACAC-AAACCCCGCCTGTTT	1930
Felis	AT-TAGGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACAC-AAGCCCGCCTGTTT	1933
Equus	CTATAAGGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACAC-AAACCCCGCCTGTTT	1950
EquusAsinus	CCATAAGGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACAC-AAACCCCGCCTGTTT	1950
Ovis	CC--A-GGAAAGATTCAAAGGAGTAAAAGGAACTCGGCAAAACACTAAACCCCGCCTGTTT	1936
Capra	CC--A-GGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACAC-AAACCCCGCCTGTTT	1930
Bos	CT--AAGGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACAC-AAACCCCGCCTGTTT	1931
Sus	CA--A-GGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACAC-AAACCCCGCCTGTTT	1930
Oryctolagus	TA--TAGGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACCT-TAACCCCGCCTGTTT	1930
Lepus	TA--TAGGAAAGATTAAAAGGAGTAAAAGGAACTCGGCAAAACCT-TAACCCCGCCTGTTT	1927
Homo	AT--AAGGAAAGGTTAAAAAAGTAAAAGGAACTCGGCAAAACCT--TACCCCGCCTGTTT	1923
Rattus	TA--AGGAAAG-TTTAAAAAGTAAAAGGAACTCGGCAAAACAC-GAACCCCGCCTGTTT	1921
Mus	AA--AGGAAAGATCTAAAAGATAAAAGGAACTCGGCAAAACAA-GAACCCCGCCTGTTT	1936
Sciurus	CA--GGGAAAGATTAAAAAAGTAAAAGGAACTCGGCAAAACAC-TAACCCCGCCTGTTT	1940
Erinaceus	TT--AAGGAAAGATTAATAGGCCAGAGGAACTCGGCAAAACAC-AAGCTCCGCTGTTT	1925

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Canis	TTAATTAACTAACCCAACTTATGGTACTAGATACC-TACAAGGCATAACATAACACCA	2223
Halichoerus	TTAATTAACTAACTCAACAGAAACAAATCCAGTCAACC-AACAGGGAATAAAA---ATT	2223
Felis	TTAATTAACTGACCCAAAGAGACCATATGAACCAACC-GACA-GGAACAACAA---ACCT	2226
Equus	TTAATTAACTGATTCACAAAAAACACACAAACCTTAACCTTCAGGGACAACAAACT	2249
EquusAsinus	TTAATTAACTGATTCACAAAAAACACATACAAACCT-AACCTCAGGGACAACAAACT	2248
Ovis	TTAACTAAGTAAGTCAAGGAAAAATA---AATTTCAACC-ACCAAGGGATAA---CAACAC	2227
Capra	TTAACTAACTAGTCCAAAAGAAATA---AATTTAACC-ACCAAGGGATAA---CAACAT	2221
Bos	TTAACTAACCAACCCAAAGAGAATA---GATTTAACC-ATTAGGGAATA---CAACAA	2221
Sus	TTAATTAACTATTTCCAAAGGTTAAAC--AACTCAACC-ACAAAGGGATAAAA--CATAAC	2223
Oryctolagus	TTAATTATTTAACCCAACTTCCTT--TATTTCTACTCTACATGAGCTAAC-CAAGGA	2225
Lepus	TTAATTATTTAATTCATATTTTCGCG--AATCTCACTCCACAG-GAGCTTAAC-CAAGAA	2221
Homo	TTAATTATTTAATGCAACAGTACC--TAACAAACC-CACAGGTCCTAA---ACTAC	2212
Rattus	TTAATTATTTAATTT---CAATTTATATAAAAAACCTATGCGGGAAC---AMCA	2210
Mus	TAAATTATATGACTTATCTATTTAATTTAATTTAATTTAATGCCCCAAAA---ACT	2227
Sciurus	TAAATCTACTTAGCCTAAGCATTTTATCTTTTCC-GACAGGATTTAAAC---AACAT	2233
Erinaceus	TAGTATAAAAACTAAGACCAATTT--ATAATAACCTAAGGGTATATAA-----ATA	2210

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Canis	TTATTATGAGTTA-GCAATTTAGGTTGGGGTGACCTCGGAATATAAAAAAATCCCGAGT	2282
Halichoerus	CTATAATGAGTTA-GCAATTTAGGTTGGGGTGACCTCGGAGAAACAAAACAACTCCGAGT	2282
Felis	CTAT-ATGGGCCG-GCAATTTAGGTTGGGGTGACCTCGGAGAAATAAAAAACAACTCCGAGT	2284
Equus	TTTGATTGAATCA-GCAATTTGCGTTGGGGTGACCTCGGAGAAACAAAACAACTCCGAGT	2308
EquusAsinus	TTTGATTGAATCA-GCAATTTGCGTTGGGGTGACCTCGGAGAAACAAAACAACTCCGAGT	2307
Ovis	TCCTTATGAGTTA-ACAGTTTCGGTTGGGGTGACCTCGGAGAACAGAAAAACCTCCGAGC	2286
Capra	CCTTTATGGACTA-GCAGTTTTCGGTTGGGGTGACCTCGGAGAACAGAGATCCTCCGAGC	2280
Bos	TCTCCATGAGTTG-GTAGTTTCGGTTGGGGTGACCTCGGAGAAATAAAAAACCTCCGAGC	2280
Sus	TTAACATGGACTA-GCAATTTTCGGTTGGGGTGACCTCGGAGTACAAAAACCTCCGAGT	2282
Oryctolagus	AAACCTCGGTTG-AAAAATTTTCGGTTGGGGTGACCTCGGAGTATAAATCAACCTCCGAGT	2284
Lepus	AATTTATGAATTA-AAAAATTTTCGGTTGGGGTGACCTCGGAGCAAAAAACAACTCCGAGT	2280
Homo	CAAACTGCATTA-AAAAATTTTCGGTTGGGGTGACCTCGGAGCAAGAACCAACCTCCGAGC	2271
Rattus	AAATTAAGAACTACCAATTTTCGGTTGGGGTGACCTCGGAGAAATAAAAAACCTCCGAGT	2270
Mus	ATAGTAT-AAGTATGAAATTTTCGGTTGGGGTGACCTCGGAGAAATAAAAAACCTCCGAGT	2286
Sciurus	GCCCCACTAGGCTTAAGATTTTCGGTTGGGGTGACCTCGGAGAAATAAAAAACAACTCCGAGT	2293
Erinaceus	AGTTAACTAGTTA-TAAACTTTTCGGTTGGGGTGACCTCGGAGAAACAAAACAACTCCGAGT	2269

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Canis	GATTAAGT-----TTAGACC-CACAAGTC-AAA---ATACAA---CATCACTTATTG	2327
Halichoerus	GATATAAAC-----TAAGACA-AACCAGTC-AAA---GTGCCG---CATCATTAATTG	2327
Felis	GATTTAAAT-----CTAGACT-AACCAGTCGAAA---GTACTA---CATCACTTATTG	2330
Equus	GATTTAAAT-----CCAGACT-AACCAGTC-AAA---ATATAT---AATCACTTATTG	2353
EquusAsinus	GATTTAAAT-----CTAGACT-AACCAGTC-AAA---ATACAT---AATCACTTATTG	2352
Ovis	GATTTTAAAGA-----CTAGACT-AACAAGTCAAA---CCAAAC---CATCGCTTATTG	2333
Capra	GATTTTAAAGA-----CTAGACT-TACAAGTCAAA---TCAAAT---TATCGCTTATTG	2327
Bos	GATTTTAAAGA-----CTAGACC-CACAAGTCAAA---TCATCT---TATCGCTCATTTG	2327
Sus	GATTTTAAAT-----CTAGACA-AACCAGTCAAAATACCATA---CATCACTTATTG	2331
Oryctolagus	GATTTTA-GCC-----TAGACC-AACAAGTCAAAAGC--AATAT---AATCATAAATTTG	2332
Lepus	GATTATAAGCC-----TAGACC-AAACAAGTCAAAAGC--A-TTAA---AATCATAAATTTG	2328
Homo	AGTACATGC-----TAAGACTTCACCAAGTCAAAAGC-GAACTAC---TATACCTCAATTG	2320
Rattus	GATTTATAACCGTCTCGGTACCG-TGTCCGACCCAGTCAAGTATATCTATCTTATTG	2329
Mus	GATTATAACC-----TAGACT-TACAAGTCAAAAGTAAAATCA-AC--ATATCTTATTG	2335
Sciurus	GATATTAAGC-----TTAGACTTGACCAAGTCAAAAGC--TTCCAC---TATTAATTG	2340
Erinaceus	GATTCTAATC-----TTAGACT-CACAAGTCAAAAG-----TAT--GATCATTTATTG	2313

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Canis	ATCCAATAATTTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2384
Halichoerus	ATCCAAAAATTTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2386
Felis	ATCCAAAAACCTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2386
Equus	ATCCAA--ACCAT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2408
EquusAsinus	ATCCAA--ACCTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2407
Ovis	ATCCAAAAA-CTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2388
Capra	ATCCAAAAA-CTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2383
Bos	ATCCAAAAA-CTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2382
Sus	ATCCAAAT-TTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTG	2386
Oryctolagus	ACCCAAATAA---TTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2388
Lepus	ACCCAAATCCCTTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2386
Homo	ATCCAAATAACTT---GACCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2375
Rattus	ACCCAAATA---TT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2381
Mus	ACCCAAATACATTT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2393
Sciurus	ACCCAAACTTATT---GATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2396
Erinaceus	ACCCAGTAAATCTACTGATCAACGGAAACAAGTTACCCTAGGGATAACAGCGCAATCCTA	2373

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Canis	CAACTCAATCTAACCGATT-TATCTCCTCATAA-GCCCGAGAAA-----AGGGGCTTTG	2671
Halichoerus	AATCTTAATCTAGCCAGTC-TAATCCCCCATGA-ATCCAAGAAA-----CAGGACCT-G	2673
Felis	AATCTTAATCTAGACAGTT-TATCCAAACACACTACCCGAGAGC-----TCGGGTTT-G	2673
Equus	AATCTAAATCTAACTAATT-TATAACTTC-TACCGCCCTAGAA-----CAGGGCTC-G	2694
EquusAsinus	AATCTAAATCTAACTAATT-TATTAACCC-CACCGCCCTAGAA-----CAGGGCTC-G	2693
Ovis	TATCTTAAT-TAATT---T-CACAA-CAAAACCTGCCCTAGAA-----AAGGGCCAG	2668
Capra	TATCTCAAT-TAATT---T-TACAAAACAAACCTGCCCTAGAA-----AAGGGCCTAG	2664
Bos	CATCTCAAC-TGACA---A-CACAA---AACCCTGCCCTAGAA-----CAGGGCTTAG	2661
Sus	AATCTTAACCTAATTAAT-CAATA-TAAATCCAGCCCTAGAA-----CAGGGCACA-	2670
Oryctolagus	AATCTTAATCTAGTACACT-TACCC-AAACATAGAGCCCTAGAC-----CAGAGCTA-G	2672
Lepus	AATCTTAATCTAATACACT-TACCC-AA-ACACCCACCTAGAC-----CAGGGTTT-G	2669
Homo	CATCTCAACTTAGTA---T-TATACCCACACCC-ACCCAAGAA-----CAGGGTTT-G	2653
Rattus	AAACTTAATAAAGTA--TA-TATGTACATAAATAACCTTAGAC-----CCAGGT-A--	2654
Mus	AATCTAAATAAATA--TA-TACGTACACTCTTAACCTAGAG-----AAGGTTA--	2677
Sciurus	AATCTTAATTTAATA-ACT-CATTC--ATTACATGCCCTAGAA-----CAGGGCCT-A	2677
Erinaceus	AATCTTAATCTAGACTGCTATAACTTAACACTATAGTTTA-TAGGCCAATAAGGGCTTG	2669
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Canis	TTAGGGTGCCAGG-GCCCGGTAACTGCGTAAAACTTAAACCTTTACTATCAGAGGTTCAAT	2730
Halichoerus	TTAGGGTGCCAG-AGCCGGCAATTGCATAAACTTAAACCTTTATCTTCAGAGGTTCAAC	2732
Felis	TTAGGGTGCCAGAGCCCGGTAACTGCTAAAACTTAAACCTTTTATTATCAGAGGTTCAAT	2733
Equus	TTAGGGTGCCAGAGCCCGGAATTGCATAAACTTAAACCTTTACTCAGAGGTTCAAC	2754
EquusAsinus	TTAGGGTGCCAGAGCC- GGAAATTGCGTAAAACTTAAACCTTTACACCCAGAGGTTCAAC	2752
Ovis	TTAAGGTGGCAGAGCCCGGTAAATTGCGTAAAACTTAAACCTTTATACCTCAGAGATTCAAA	2728
Capra	TTAAGGTGGCAGAGCCCGGTAAATTGCGTAAAACTTAAACCTTTATACCTCAGAGATTCAAA	2724
Bos	TTAAGGTGGCAGAGCCCGGTAAATTGCA-TAAAACTTAAACCTTTTATAATCCAGAGATTCAAA	2721
Sus	TTAGGGTGCCAGAGACCGGTAAATTGCGTAAAACTTAAACCTTTATTACAGAGGTTCAAC	2730
Oryctolagus	TTAAGGTGGCAGAGCCCGGTAAATTGCGTAAAACTTAAACCTTTATAACAGAGGTTCAAC	2732
Lepus	TTAAGGTGGCAGAGCCCGCAATTGCA-TAAAACTTAAACCTTTATAATCCAGAGGTTCAAC	2729
Homo	TTAAGATGGCAGAGCCCGGTAAATCGCATAAAACTTAAACCTTTACAGTCAGAGGTTCAAT	2713
Rattus	TTAGGGTGCCAGAGCCAGTAATTGCGTAACTTAAACCTTTGTTCCCGAGGTTCAAA	2714
Mus	TTAGGGTGCCAGAGCCAGGAATTGCGTAAAGCTTAAACCTTTGTTCCCGAGGTTCAAA	2737
Sciurus	TTAAGATGGCAGAGCCCGCAATTGCATAAGATTTAAACCTTTACTATCAGAGGTTCAAC	2737
Erinaceus	TTAGTGTGGCAGAGCCCGGTAAATTGCATAAACTTAAACCTTTATAACAGAGGTTCAAA	2729
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Canis	TCCTCTCCCTAACAAA--ATGTTCTTTATCAACATTATCTCTCTTATTATCCCAATCCTT	2788
Halichoerus	TCCTCTCCCTAACACT--ATGTTTATAATTAATATCTCTCAATAATTATCCCAATTCCTC	2790
Felis	TCCTCTCCTTAACAAC--ATGTTTATAATTAATGTACTCTCAATAATTATTCCTATTCTC	2791
Equus	TCCTCTCCCTAACCAAC--ATGTTTATAATTAATGTCCTCTCTTAATGTCCTCTCTCT	2812
EquusAsinus	TCCTCTCCCTAACCAAC--ATGTTTATAATTAATGTCCTCTCTTAATGTCCTCTCTCT	2810
Ovis	TCCTCTCCTTAACAAC--ATGTTTATAATCAACGTTCTAACATCTCATATTCTCTATTCTC	2786
Capra	TCCTCTCCTTAACAAT--ATGTTTATAATTAATATTCTAACATTCTATTCTCTATTCTT	2782
Bos	TCCTCTCCTTAACAAC--ATGTTTATAATTAATATTCTAACATCTTAATATCTCTATCTA	2779
Sus	TCCTCTCCTTAACAAC--ATGTTTATAATTAATATTCTAACGCTAATTATTCTCTATCTA	2788
Oryctolagus	TCCTCTCCTTAACAAT--ATGTTTATAATTAATACACTCTTTTAACTCTACCTGTACTT	2790
Lepus	TCCTCTCCTTAACATT--ATGTTTATAATTAATCAACCTCTCTCTAATCTTACCTGTCTT	2787
Homo	TCCTCTCTTTAACCAAC--ATACCCATGCGCACTCTCTCTCTCTCTCTCTCTCTCTA	2771
Rattus	TCCTCTCCTTAATA---GTGTACTTTATTAATATCTCTAACACTCTCTATCCCAATCTTA	2770
Mus	TCCTCTCCTTAATA---GTGTCTTTATTAATATCTCTAACACTCTCTGTCCTCTCTTA	2793
Sciurus	TCCTCTCTTTAATAACTCATGTTTCTAATTAACCTCTTTTCTCTAATTATTCTGTCTA	2797
Erinaceus	TCCTCTCTCTAATCAT---ATACTAATAATCAATATTTTATGTCTTATTATTCTATTTTA	2786
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Canis	CTTGCCGTAGCCTTCCTACCCCTCGTTGAACGAAAAGTCTTAGGCTATATACAACTTCGA	2848
Halichoerus	CTCGCCGTAGCTTTCTTAACATTAGTAGAACGAAAAGTACTAGGCTACATACAACTCCGA	2850
Felis	CTAGCTGTAGCCTTCCTAACCCCTAGTCGAACGAAAAGTGCTAGGCTATATGCAACTCCGC	2851
Equus	CTCGCCGTAGCATTCCTCACACTAGTTGAACGAAAAGTCTTAGGCTATATGCAACTTCGC	2872
EquusAsinus	CTAGCCGTAGCATTTCTCACACTAGTTGAACGAAAAGTCTTAGGCTATATACAACTTCGC	2870
Ovis	CTAGCTGTAGCTTTTCTTACACTAGTTGAACGAAAAGTCTTAGGCTATATACAACTTCGA	2846
Capra	CTAGCCGTAGCTTTCTTACACTAGTTGAACGAAAAGTCTTAGGCTATATACAACTTCGA	2842
Bos	TTGGCCGTAGCATTCCTTACGTTAGTGAACGAAAAGTCTTAGGCTATATACAACTCCGA	2839
Sus	CTGGCCGTAGCATTCCTCACCTAGTGAACGAAAAGTGCTAGGTTATATGCAACTACGA	2848
Oryctolagus	TTAGCCATAGCATTCCTCACCTAGTGAACGAAAAGTCTTAGGCTATATACAACTACGT	2850
Lepus	CTAGCCATAGCTTTCTTAACCTTAGTGAACGAAAAGTCTTAGGCTATATACAACTTCGA	2847
Homo	ATCGCAATGGCATTCCTAATGCTTACCGAACGAAAAGTCTTAGGCTATATACAACTACGC	2831
Rattus	ATTGCCATAGGCCTTCTCACCTAGTAGAACGAAAAGTCTTAGGCTATATACAACTACGC	2830
Mus	TCGCTTATGGCTTCTTACACTAGTAGAACGAAAAGTCTTAGGCTATATACAACTACGA	2853
Sciurus	ATCGCAATAGCATTTCTTAACCTAGTTGAACGAAAAGTCTTAGGCTATATACAACTTCGA	2857
Erinaceus	TTAGCCGTAGCATTTCTTACCTAATCAGGCTATATACAACTACGT	2846
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upstream

Canis	AAAGGACCTAATATTGTAGGCCCTACGGCCCTCCTTCAACCAATCGCAGACGCAGTAAAA	2908
Halichoerus	AAAGGACCCAAATCGTAGGACCTATGGACTCCTACAACCCATCGCAGACGCCGTAAAA	2910
Felis	AAAGGACCCAAATGTCGTAGGACCATACGGCCCTACTTCAACCTATCGCAGATGCTGTAAAA	2911
Equus	AAAGGACCCAAATCGTAGGCCCTATGGCCCTACTACAACCTATTGCCGATGCCCTCAAA	2932
EquusAsinus	AAAGGACCCAAATCGTAGGCCCTACGGCCCTACTACAGCCCATCGCCTGATGCCCTTAAA	2930
Ovis	AAAGGCCCAAACTGTCGTAGGCCCATATGGCTTACTTCAACCCATCGCCGACGCAATTAAA	2906
Capra	AAAGGCCCAAACTGTCGTAGGACCATACGGCTTACTTCAACCAATCGCTGATGCAATTAAA	2902
Bos	AAAGGTCCAAATGTCGTAGGTCCATATGGCCCTACTTCAACCCATCGCCGATGCAATCAAA	2899
Sus	AAAGGACCCAACTGTCGTAGGCCCTACGGCCCTACTCCAACCCATCGCCGATGCCCTAAAA	2908
Oryctolagus	AAAGGCCCAAACTGTCGTAGGACCTATGGCCCTCCTCAACCAATCGCAGACGCTATTAA	2910
Lepus	AAAGGCCCAAACTGTCGTAGGACCTATGGCCCTCCTTCAACCAATGTCAGATGCTATTAAA	2907
Homo	AAAGGCCCAAACTGTCGTAGGCCCTACGGGCTACTACAACCCCTTCGCTGACGCCATAAAA	2891
Rattus	AAAGGCCCAAACTGTCGTAGGCCCTATGGTAACTACAACCAATTTGTCAGATGCCATAAAA	2890
Mus	AAAGGCCCTAACTGTCGTAGGTCCATCGGCATCCTACAACCAATTTGTCAGACGCCATAAAA	2913
Sciurus	AAAGGCCCAAACTGTCGTAGGACCATACGGCCCTACTCCAACCAATTCGCCGATGCCATAAAA	2917
Erinaceus	AAAGGACCAATATCGTAGGATCCTTTGGTCTTCTTCAACCAATCGCAGATGCAAGTAAAA	2906

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Canis	CTCTTCAAAAAAACCTCTACGACCCTTACATCCTCTATATCAATATTATCCTAGCC	2968
Halichoerus	CTATTACCAAGGAACCCCTACGACCCTAACATCTTCCACAACCATATTATTATAGCC	2970
Felis	CTCTTTACCAAGAGCCTCTCCGACCCCTTACATCCTCCATATTAATCTATCAGCA	2971
Equus	CTATTTATCAAGAGCCACTACAACCACTAACATCATCGACATCCATATTATCATCGCA	2992
EquusAsinus	CTATTTATCAAGAACCACTACAACCACTAACATCATCAACATCCATATTATTATCGCA	2990
Ovis	CTCTTATCAAGAACCCCTACGACCCGCAATCCTCAATCTCAATTTCTATTCAGCC	2966
Capra	CTTTTCTATTAAGAACCCCTACGACCTGCCACATCCTCAATCTCAATTTTATTTCTAGCC	2962
Bos	CTTTTCTATTAAGAACCACTACGACCCGCTACATCTTCAGCCTCAATTTTATCCTAGCA	2959
Sus	CTATTACCAAGAACCCCTACGACCCGCAATCCTCAATCTCCTATTTCTATTTAGCA	2968
Oryctolagus	CTATTACTAAGAACCCCTACGACCCCTAACATCCTCTCCGCTACTCTTTATTTATCGCC	2970
Lepus	CTATTTATTAAGAACCCCTACGACCCCTAACATCATCTCTCTTTTATCATCGCC	2967
Homo	CTCTTACCAAGAGCCCTTAAAAACCGCCACATCTACCATCAACCTTACATCACCGCC	2951
Rattus	CTATTTATTAAGAACCCCTACGACCCCTTAAACCACTCAATATCACTATTTATTTATCGCC	2950
Mus	TTATTTATTAAGAACCAATACGCCCTTTAAACCACTCCATATCTCTTATTTATTTAGCA	2973
Sciurus	TTATTTATCAAGAACCTCTTAAACCCCTCCACATCCTCCGTTACCTGTTTATCATCGCC	2977
Erinaceus	TTATTTATCAAGAGCCAAATCTTCTCTATTACATCATCTCTATTCCTATTTGTGCGAGCC	2966

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Canis	CCCATTCTAGCTCTATCACTAGCCCTAACTATGTGAATTCCCCTCCCATAACCCATACCCA	3028
Halichoerus	CCTATTCTAGCCTTAACTTAGCCCTAACTATGTGAGTCCCCTGCCCATACCATATCCC	3030
Felis	CCAATCCTAGCCCTCACACTAGCCCTAACCATATGAATCCCCTACCCATACCATACCCG	3031
Equus	CCAATCCTAGCCCTAACCTTGGCCTTAAACCATATGAATCCCCTGCCCATACCATACCCA	3052
EquusAsinus	CCAATCCTAGCCCTCACTTAGCCCTTAAACCATATGAATCCCCTACCCATGCCATACCCA	3050
Ovis	CCCATCCTAGCACTAACCCCTAGCCTTAACTATATGAATCCCCTACCCATACCCATACCC	3026
Capra	CCCATTCTAGCTCTGACCTTAACTTAGCCCTAACCATATGAATTCCCCTACCCATACCC	3022
Bos	CCTATCTAGCTTTAGCCCTAGCCTTAACTATGTGAATCCCCTACCCATACCCATACCT	3019
Sus	CCAATCCTAGCCTTATCCTTAGCACTAACCAATATGAGTTCCTACCAATACCCATACCT	3028
Oryctolagus	CCAACCCCTAGCTCTAACTCTGCACTATCAATGTGACTTCCCTATCCCCTACCCATACCC	3030
Lepus	CCAACCTCTAGCACTAACTTAGCACTCTGATATGACTCCCTATTCCTATGCTATATCCA	3027
Homo	CCGACCTTAGCTCTACCATCGCTCTTCTACTATGAACCCCTCCCATACCCAAACCC	3011
Rattus	CCAACCCCTCTCCCTTACCTAGCTCTTAACTTCCCTTACCAATACCCATACCC	3010
Mus	CCCACCCCTATCACTCACTAGCATTAGTCTATGAGTTCCTTACCAATACCAACCCA	3033
Sciurus	CCTACTCTAGCTCTCACTCTAGCAATCACTATATGAATTCCTACCAATACCCAAACCC	3037
Erinaceus	CCCATTCTAGCTATTACTTTAGCTCTAATATTATGAGTACCTATACCTATACCTCAACCA	3026

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Canis	CTCATTAATATAAACTTGGGAGTCTTATTCATCTAGCAATATCAAGCCTCGCCGTGTAC	3088
Halichoerus	CTCATCAACATAAACCTAGGAGTGTTATTCATCTAGCAATATCAAGCCTAGCTGTCTAC	3090
Felis	CTCATTAACATAAACCTGGGAGTACTATTTATGCTAGCTATATCAAGCCTAGCTGTTTAT	3091
Equus	CTAATCAACATAAACCTAGGAATTCTATTCATCTAGCCATGTCCAGCCTAGCTGTCTAC	3112
EquusAsinus	CTAATTAACATAAACCTGGGAATTCTATTCATCTAGCCATATCCAGCCTAGCTGTCTAC	3110
Ovis	CTCATCAATATAAACTTAGGAGTCTTCTATTCATCTAGCCATATCAAGCCTAGCCGTATAC	3086
Capra	CTCATTAACATAAAATTTAGGAGTCTTCTATTCATCTAGCTATATCAAGCCTAGCCGTATAC	3082
Bos	CTTATCAACATAAACCTAGGAGTCTTATTTATCTAGCCATATCAAGCCTAGCCGTATAC	3079
Sus	CTAATCAACATAAACTTAGGAGTACTATTCATGCTAGCCATGTCAAGCCTAGCAGTCTAC	3088
Oryctolagus	CTAGTCAACCTAAATATAGGCATTCTATTCATCTAGCAACCTCCAGCTTACCGGTTTAC	3090
Lepus	CTTGTTAATCTGAACATAGGCGTATTTATTTATCTAGCAACCTCTAGTCTAGCAGTCTAC	3087
Homo	CTGGTCAACCTCAACCTAGGCGTCTTATTTATCTAGCCACCTCTAGCCTAGCCGTTTAC	3071
Rattus	CTTATCAACCTCAACCTAGGCGTATTTATTTATCTAGCCACATCCAGCCTTTTGGTCTAC	3070
Mus	TTAATCAACTTAACTTAGGAGTTTATTTATTTATTTAGCAACATCCAGCCTATCAGTTTAC	3093
Sciurus	CTTATCAACATAAACATAGGCGTCTTGTATTTATCTAGCAACATCAAGCCTAGCAGTCTAC	3097
Erinaceus	CTAATTAATATCAATTTAACTCTATTATTCATCTTAGCCCTATCTAGTTTAGCAGTATAC	3086

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Canis	TCCATCCTCTGATCAGGATGAGCCTCAAACCTCAAATACGCCCTAATCGGAGCCCTTCGA	3148
Halichoerus	TCAATCCTATGATCCGGATGGGCCTCAAACCTCAAATACGCCCTAATCGGAGCCCTACGA	3150
Felis	TCCATCCTATGATCAGGATGAGCCTCAAATTCAAAATACGCCCTAATCGGAGCCCTACGA	3151
Equus	TCAATCCTTTGATCAGGATGGGCCTCAAACCTCAAATACGCCCTAATTTGGAGCTCTACGA	3172
EquusAsinus	TCAATCCTTTGATCAGGATGAGCCTCAAACCTCAAATATGCTCTAATTTGGAGCCTTACGA	3170
Ovis	TCAATCCTCTGATCAGGTTGAGCCTCCAACTCAAATATGCTCTCATTTGGAGCCTACGG	3146
Capra	TCAATCTCTGATCAGGCTGAGCTTCCAACTCAAATATGCTCTCATTTGGAGCCTTACGA	3142
Bos	TCCATTCTCTGATCAGGCTGAGCTTCCAACTCAAATACGCACTAATCGGAGCCTTACGA	3139
Sus	TCTATCCTATGATCAGGATGAGCATCCAACTCAAATACGCACTCATCGGGGCCCTACGA	3148
Oryctolagus	TCAATCCTATGATCAGGATGAGCATCCAACTCAAATATGCCCTATTTGGTGTCTCCGA	3150
Lepus	TCAATCCTATGATCAGGTTGAGCATCCAACTCAAATACGCACTATTTGGAGCCTCCGA	3147
Homo	TCAATCCTCTGATCAGGTTGAGCATCAAACCTCAAACCTACGCCCTGATCGGCGCACTGCGA	3131
Rattus	TCCATTCTATGATCGGGATGAGCCTCAAATTCAAAATACTCCCTATTTGGAGCCTACGA	3130
Mus	TCCATTCTATGATCAGGATGAGCCTCAAACCTCAAATACTCATTTTGGAGCCTTACGA	3153
Sciurus	GCAATTCCTATGATCAGGATGAGCATCAAACCTCAAATACGCCCTAATTTGGTGTCTACGA	3157
Erinaceus	TCCATTCTATGATCGGGATGAGCCTCAAATTCAAAATACTCCCTATTTGGGGGCCCTACGA	3146

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Canis	GCAGTAGCTCAAACAATCTCATATGAAGTAACGCTAGCAATTATTTCTCTATCAGTCCTC	3208
Halichoerus	GCCGTAGCCCAAACAATTTTCATACGAAGTGACCCTAGCCATTATCCTTCTATCAGTCCTA	3210
Felis	GCCGTGCCCCAAACAATCTCATATGAAGTCACTAGCCATCATTTCTCTATCAGTACTA	3211
Equus	GCAGTAGCACAAACCATTCTCATACGAAGTAACCTTAGCAATCATCCTACTCTCAGTCCTC	3232
EquusAsinus	GCAGTAGCACAAACCATTTCGTATGAAGTAACCTTAGCAATTTATCTACTCTCAGTCCTC	3230
Ovis	GCAGTAGCACAAACAATCTCTTATGAAGTAACCTTAGCAATTTATTTGAGCCTTACGA	3206
Capra	GCAGTAGCACAAACAATTTTCATATGAAGTAACCTTAGCAATTTATCCTACTGTCAATCTTA	3202
Bos	GCAGTAGCACAAACAATCTCATACGAAGTAACGCTAGCAATTTATCCTGTTATCAGTACTC	3199
Sus	GCAGTAGCCCCAAACAATCTCATATGAAGTAACCTTAGCAATCATCCTACTCAGTACTC	3208
Oryctolagus	GCAGTCGCACAAACCATTTCCTACGAAGTCACTTGCATTTATCCTCCTATGTCATCCTC	3210
Lepus	GCAGTCGCACAGACCATTTCCTATGAGGTACCCCTAGCAATTTATCTTTTATGTGTCTTA	3207
Homo	GCAGTAGCCCCAAACAATCTCATATGAAGTACCCCTAGCCATCATTTCTATCAACATTA	3191
Rattus	GCCGTTGCCCAAACCATTCTCTTACGAAGTCACAATAGCCTTATACCTCTTATCCGTCTCT	3190
Mus	GCTGTAGCCCCAAACAATTTTCATATGAAGTAACCATAGCCATTATCCTCTTATCAGTTCTA	3213
Sciurus	GCTGTAGCCCCAAACAATCTCTTATGAAGTAACCCCTAGCTATTATTTCTACTCTCAGTTCTC	3217
Erinaceus	GCAGTGCCCCAAACAATTTTCATATGAAGTAACCTAGCCATTATCCTATTGTCTCTTCTA	3206

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Canis	CTAATAAACGGGTCATTTACATATCCACGCTAATTATACCAAGAACATATATGATTA	3268
Halichoerus	CTAATAAACGGATCCTTCACCTTATCCACACTAATCATTAATCAAGAACACTTATGACTA	3270
Felis	CTAATAAACGGATCCTTCACACTAGCCATATAATCAACACTCAAGAATATATATGACTA	3271
Equus	CTAATAAGCGGATCATTCACATTAACAACTTATTATATACCAAGAAATACCTCTGATTA	3292
EquusAsinus	CTAATGAGCGGATCATTCACATTAACAACTCATCATTAACCAAGAAATACTTATGATTA	3290
Ovis	CTAATAAATGGGTCCTTTACCTTTCTACACTAATCATTAACAAGAACAAAGTATGATTA	3266
Capra	CTAATAAATGGGATCCTTTTCGCTCTCTACACTAATTTATACACAGGAACATATGACTA	3262
Bos	CTAATAAGTGGGTCCTTTACCTCTCCACATTAATTAATACACAAGAACAAATATGGTTA	3259
Sus	CTAATAAATGGATCATATATCTATCAACCCATATCAACAACAAGAGCACATTTGAATA	3268
Oryctolagus	CTAATAAATGGGTCATTTACATATTCCTTATCAATATCAACAACAAGAAATATATGAAATC	3270
Lepus	TTAATAAACGGGTCATTTATCTTTCTATCACTCATCAACAACAAGAAATACATATGAATC	3267
Homo	CTAATAAGTGGGTCCTTTAACCTTCCACCCCTTATCAACAACAAGAACACCTCTGATTA	3251
Rattus	CTAATAAGCGGTCCTTTCTCCCTACAATACTTATCACTACACAAGAACATATCTGACTA	3250
Mus	TTAATAAGTGGATCCTACTCCCTACAACACTTATTACAACCAAGAACACATATGATTA	3273
Sciurus	CTTATAAACGGGTCATTTACCCCTATCAACCCCTTATCAACAACCAACAATTCATATGACTA	3277
Erinaceus	ATATTCAATGGATCCTTCTCACTTAATAATTTATTTATACACAAGAAATTTATGATTA	3266

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Canis	ATCTTTCCGGCTGACCCCTAGCCATGATATGATTATCTCTACCCCTAGCAGAAACTAAT	3328
Halichoerus	ATCTTTCCCGCATGACCACTAGCCATAATATGATTTATCTCCACCCCTAGCAGAAACCAAC	3330
Felis	ATCATTCTGATGACCCCTAGCCATAATATGATTTATCTCAACCCCTAGCAGAGACCAAC	3331
Equus	ATCTTTCCCATCATGACCCCTAGCCATAATGTGATTCTCTCAACATTAGCCGAAACCAAC	3352
EquusAsinus	ATCTTTCCCATCATGACCCCTAGCCATAATATGATTCTCTCAACATTAGGCCGAAACCAAC	3350
Ovis	ATCTTTCCAGCATGACCCCTAGCAATAATATGATTTATCTCAACACTAGCAGAAACCAAC	3326
Capra	ATCTTTCCAGCATGACCTCTAGCAATAATGTGATTCTCTCAACACTAGCAGAAACCAAC	3322
Bos	ATCCTCCAGCATGGCCCTAGCAATAATATGATTTATCTCAACACTAGCAGAAACCAAC	3319
Sus	ATCTTTACATCTGACCCCTAGCCATAATATGATTTATCTCAACCCCTAGCAGAAACCAAC	3328
Oryctolagus	CTACTACCAGCATGACCACTTGCCATAATATGATTTATCTCGACCCCTAGCAGAAACCAAC	3330
Lepus	CTCTTTCCAGCATGACCCCTAGCATATGATTTATTTCAACCCCTAGCAGAAACCAAT	3327
Homo	CTCCTGCCATCATGACCCCTGGCCATAATATGATTTATCTCCACACTAGCAGAGACCAAC	3311
Rattus	TTAATCCCGGCTGACCAATAGCCATAATATGATATACATTTCAACCCCTCGCAGAAACCAAT	3310
Mus	CTACTACCAGCCTGACCCATAGCCATAATATGATTTATCTCAACCCCTAGCAGAAACCAAC	3333
Sciurus	ATTTTACCAACCTGACCCCTGGCTATAATATGATTTATTTCTACCCCTAGCTGAAACCAAT	3337
Erinaceus	TTAGTATCAACTGACCTCTAATAATAATGATTTATTTCCACCTTAGCCGAAACTAAT	3326

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Canis	GCATCATACCCCTCGATTCCGCTACGATCAGTTAATACACTTATTATGAAAAAATTTTCTA	3628
Halichoerus	GCATCATACCCCGGATTCCGATACGACCAACTAATACATCTTCTATGAAAAAATTTCTA	3630
Felis	GCATCCTACCCACGATTCCGATATGACCAACTAATACACCTCCTATGAAAAAATTTCTG	3631
Equus	GCATCCTACCCACGATTCCGATATGACCAACTTATACACCTCCTATGAAAGAACTTCCTA	3652
EquusAsinus	GCATCCTACCCACGATTCCGATATGATCAACTTATACACCTCCTATGAAAAAATTTCTG	3650
Ovis	GCATCCTACCCCGGATTCCGTTACGACCAACTAATACACTTACTATGAAAAAATTTTCTA	3626
Capra	GCATCCTACCCCGGATTCCGTTACGACCAACTAATACACTTATTATGAAAAAATTTCTA	3622
Bos	GCATCCTACCCACGATTCCGATATGACCAACTAATACACTTACTATGAAAAAATTTTCTA	3619
Sus	GCATCATACCCACGATTCCGATACGACCAACTAATACATTTACTATGAAAAAGCTTCCTG	3628
Oryctolagus	GCATCCTATCCCGGATTTCGCTATGACCAAGCTAATACACCTCTTGTGAAAAAGTTTCTA	3630
Lepus	GCATCATACCCTCGATTTCGTTATGATCAACTAATACATCTTCTATGAAAAAGCTTCCTA	3627
Homo	ACAGCATACCCCGGATTCCGCTACGACCAACTCATACCTCCTATGAAAAAATTTCTA	3611
Rattus	GCATCCTACCCCGGTTTTCGATATGACCAACTAATGCACCTCCTATGAAAAAATTTCTG	3610
Mus	GCATCCTATCCACGCTTCGCTATGACCAACTTATACATCTTCTATGAAAAAATTTTCTA	3633
Sciurus	GCATCATATCCACGATTCCGATACGACCAACTAATACATCTCCTATGAAAAAATTTTCTT	3637
Erinaceus	GCATCATACCCCGGATTCCGCTATGATCAACTAATACATCTTCTATGAAAAAATTTCTG	3626
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Canis	CCCTTAACCTTTAGCCCTATGCATATGACATGTTGCCTTACCCATTATCACCGCAAGTATC	3688
Halichoerus	CCCCTTACACTAGCCCTATGTATATGACATGTAACCCATACCCATCATCTCAGCAAGCATT	3690
Felis	CCTCTCACCTAGCCCTATGCATATGACATGTATCCCTACCTATCATCACAGCAAGCATC	3691
Equus	CCACTCACACTAGCCCTCTGCATATGACACGTCTCACTTCCAACTCATACTATCCAGCATC	3712
EquusAsinus	CCACTTACACTAGCCCTCTGCATATGACACGTCTCACTACCAATTATATTCAGCATC	3710
Ovis	CCCCTAACACTAGCCCTATGCATATGACACGTATCGCTACCTATTCTCCTATCAAGCATC	3686
Capra	CCCCTAACACTGGCCCTATGTATATGACACGTGTCACTACCCATTCTCCTATCAAGCATC	3682
Bos	CCTCTGACACTAGCCCTGTGCATGTGACACGTATCCCTACCCATCCCTAACATCAGGCATC	3679
Sus	CCCCTAACACTAGCTCTATGTATATGACACATCTCACTCCCTATTATACATCAGGCATT	3688
Oryctolagus	CCCCTCACATTAGCCCTGTGCATATGACATATCTCAATGCCTATCATACTTTCAAGTATC	3690
Lepus	CCCCTAACGCTAGCCCTATGCATATGACACATCTCTATGCCTATTATACTCTCAAGTATT	3687
Homo	CCACTCACCTAGCATTACTTATATGATATGTCTCCATACCCATTACAACTCCAGCATT	3671
Rattus	CCACTAACACTAGCATTCTGCATATGATACATTTCCTTGCCCAATTTTCTAGCAGGAATT	3670
Mus	CCTCTAACACTAGCATTATGTATGTGACATATTTCTTTACCAATTTTTCACGCGGGGTA	3693
Sciurus	CCCCTAACACTAGCCCTATGTATATGACATGTATCCCTTCCAAATTATGATGATGTGTG	3697
Erinaceus	CCACTTACATTAGCCCTATGTATATGATACATCACTACCAATCACATTAGCAAGCTTT	3686
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tRNA-Ile

Canis	CCACCCCAAAACATAAGAAATATGTCTGATAAAAGAGTTACTTTGATAGAGTAAATAATAG	3748
Halichoerus	CCCCCTCAAACATAAGAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAATAATAG	3750
Felis	CCACCTCAAACATAAGAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAACATAG	3751
Equus	CCACCACAAACATAGGAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAACATAG	3772
EquusAsinus	CCACCACAAACATAAGAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAACATAG	3770
Ovis	CCCCCACAAACATAAGAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAATAATAG	3746
Capra	CCCCCACAAACATAAGAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAATAATAG	3742
Bos	CCACCACAAACATAAGAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAATAATAG	3739
Sus	CCCCCACAAACATA-GAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAATAATAG	3747
Oryctolagus	CCTCCTCAGATATA-GAAATATGTCTGATAAAAGAGTTACTTTGATAGAGTAAATAATAG	3749
Lepus	CCCCCTCACATATA-GAAATATGTCTGACAAAAGAGTTACTTTGATAGAGTAAATCATAG	3746
Homo	CCCCCTCAAAACCTAAGAAATATGTCTGATAAAAGAGTTACTTTGATAGAGTAAATAATAG	3731
Rattus	CCACCCCTACACATA-GAATATGTCTGCAAGGTTCTTTGTTGTTGTTGTTGTTGTTGTTG	3729
Mus	CCACCATACATATA-GAAATATGTCTGATAAAAGAAATTAATTTGATAGAGTAAATTATAG	3752
Sciurus	CCCCCTCAAAACCTAAGAAATATGTCTGATAAAAGAGTTACTTTGATAGAGTAAATAATAG	3757
Erinaceus	CCCCCTCAA--TAAAGGTTTGTCTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	3744
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tRNA-Gln

Canis	AGG-TTTAAATCCTCTTATTTCTAGAAATAATAGGCTTCGAACCTAATCTTAAGAATTCAA	3807
Halichoerus	AGG-TTTAAACCTCTTATTTCTAGAACAATAGGAATCGAACCTAATCTTAAGAATTCAA	3809
Felis	AGG-TTTAAACCTCTTATTTCTAGAAATAACAGGAATCGAACCTAATCTTAAGAATCCAA	3810
Equus	AGG-CTCAAACCTCTTATTTCTAGAACTACAGGAATTGAACCTGCTCCTGAGAATTCAA	3831
EquusAsinus	AGG-TTCAAACCTCTTATTTCTAGAACACAGGAATTGAACCTGCTCCTGAGAATTCAA	3829
Ovis	AGG-TTTAAATCCTCTTATTTCTAGAACTATAGGAATTGAACCTGCTCCTTAAGAACCCAA	3805
Capra	AGG-TTTAAATCCTCTTATTTCTAGAAATATAGGAATTGAACCTACTCCTTAAGAACCCAA	3801
Bos	AGG-TTCAAACCTCTTATTTCTAGAACTATAGGAATCGAACCTACTCCTTAAGAAATCCAA	3798
Sus	AGG-TTCAAACCTCTTATTTCTAGAAATAGGAATCGAACCTAAACCTGAGAATTCAA	3806
Oryctolagus	AGGATCTTAGCCCTCTTATTTCTAGAGCTATAGGACTTGAACCTCACTCCTTAAGAACCCAA	3809
Lepus	AGG-TTTAAATCCTCTTATTTCTAGAACTATAGGCTTGAACCTACTCTTAAGAACCCAA	3805
Homo	GAG-CTTAAACCCCTTATTTCTAGGACTATGAGAATCGAACCCATCCTGAGAATCCAA	3790
Rattus	AGG-TTTAAATCCTCTTATTTCTAGGACCAATAGGAATTGAACCTACCTTAAGAATTCAA	3788
Mus	AGG-TTTAAGCCCTCTTATTTCTAGGACCAATAGGAATTGAACCTACCTTAAGAATTCAA	3811
Sciurus	AGG-TTTAAACCTCTTATTTCTAGGATAATAGGAATTGAACCTAATCTTAAGAATTCAA	3816
Erinaceus	AGG-TTTAAACCTCTTATTTCTAGGATAATAGGAATCGAACCTACTCATAGAATTCAA	3803
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Canis

Canis	AGATCTTCGTGCTACCAA	CTTACACTATATTCTA	-----	CAGTAAGGTCAGCTAAAT	3860
Halichoerus	AAATCTCCGTGCTACCCAAAT	-ACACCATATTCTA	-----	GAGTAAGGTCAGCTAAAT	3861
Felis	AAAATCTTCGTGCTACCA	TATTACCACTATTCTA	-----	AAGTAAGGTCAGCTAAAT	3863
Equus	AATCCTCCGTGCTACCGAAT	-ACACCATGTCTTAC	-----	AAGTAAGGTCAGCTAAAT	3884
EquusAsinus	AATCCTCCGTGCTACCAAAAT	-ACACCATGTCTTAC	-----	AAGTAAGGTCAGCTAAAT	3882
Ovis	AACCTCTTCGTGCTCCCAAT	-T-ACACCAAAATCTAA	-----	TAGTAAGGTCAGCTAA-T	3856
Capra	AACCTCTTCGTGCTCCCAAT	-T-ACACCAAAATCTAA	-----	TAGTAAGGTCAGCTAA-T	3852
Bos	AACCTCTTCGTGCTCCCAAT	-T-ACACCAAAATCTAT	-----	TAGTAAGGTCAGCTAA-T	3849
Sus	AAATCTCCGTGCTACCAAAAT	-ACACCACTTCTA	-----	CAGTAAGGTCAGCTAAAG	3858
Oryctolagus	AAATCTCTTCGTGCTACCA	TG-T-ACACCAAGCTCTAAACCACT	AAGTAAGGTCAGCTAAAT	3867	
Lepus	AATCCCTCGTGCTACCAAA	-T-ACACCAAACTCTAACTACACAGTAAGGTCAGCTAAAT	3863		
Homo	AAATCTCCGTGCCACCTA	-TCACACCCCATCTTAA	-----	AGTAAGGTCAGCTAAAT	3841
Rattus	AAATCTCTTCGTGCTACCAAT	-T-ACACCCATCTCTA	C-----	ATGTAGGTCGCTCT	3840
Mus	AATTCCTTCGTGCTACCTAA	---ACACCTTATCTA	-----	ATAGTAAGGTCAGCTAAAT	3862
Sciurus	AAATCTTCGTGCTACCTTA	-TACACTAAATCCCAA	-----	TAGTAAGGTCAGCTAAAT	3868
Erinaceus	AATTCCTCGTGCTACCTAA	-TCTCATCTCATCTA	-----	GTAAGGTCAGCTAAAT	3853
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ND2

Canis	TAA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTTT	TATAC	CCCTT	CCCGT	ACTA	--	ATAA	3917			
Halichoerus	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTTT	TAT	TCCCT	TCCCGT	ACTA	--	ATAA	3917		
Felis	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTTT	TATAC	CCCTT	TCCC	ACTA	--	ATCA	3919		
Equus	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGG	ATTAC	ACCC	T	CCCGT	ACTA	--	ATAA	3940	
EquusAsinus	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGG	ATTAC	ACCC	T	CCCGT	ACTA	--	ATAA	3938	
Ovis	TA	A	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTT	CAT	ATC	T	CCCGT	ACTA	--	ATAA	3913	
Capra	TA	A	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTTT	TAT	ATC	T	CCCGT	ACTA	--	ATAA	3909	
Bos	TA	A	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTTT	TAT	ATC	T	CCCTT	CCCGT	ACTA	--	ATAA	3906
Sus	TA	A	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTT	CAT	ATC	T	CCCTT	TCCC	ACTA	--	ATTA	3915
Oryctolagus	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTTT	TAT	ATC	T	CCCTT	CCCGT	ACTA	--	ATTA	3923
Lepus	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGGTTT	TAT	ATC	T	CCCTT	CCCGT	ACTA	--	ATTA	3919
Homo	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGG	-TT	AT	ATC	CCCTT	CCCGT	ACTA	--	ATTA	3896
Rattus	-	AA	GCT	TCGGGCC	T	CCCCG	AAAA	TGTTGGTT	-AA	CCCTT	CCCGT	ACT	--	T	3895	
Mus	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	CGTTGGTTT	AAATC	CTT	T	CCCGT	ACTA	--	ATAA	3918	
Sciurus	-	AA	GCTAT	CGGGCCCAT	ACCCG	AAAA	TGTTGG	ATTAT	ATC	CCCTT	CCCGT	ACTA	--	ATTA	3924	
Erinaceus	-	AA	GCT	TCGGGCC	T	CCCCG	AAAA	TGTTGG	TTAT	ATC	CTT	TCCC	ACT	AGAT	ATGA	3912

Canis	AACCCCTATTCTCATTATCATCATAGCAACTATCATGACAGGAACCAATAATCGTCATAC	3977
Halichoerus	AACCCCTATTCTCATTATCATTATATCAACCGTTATATCAGGGACCAATAATCGTCCTCA	3977
Felis	ACCCCTATCTTTATTTATTTATTAATTAACCGTTATCTCAGGAACATAAATGTCAGTGA	3979
Equus	ATCCCTTATCTTCACAACTATTCTAATAACAGTTCCTTCTAGGAACATAAATCGTTATAA	4000
EquusAsinus	ACCCCTTATCTTCACAATCATTTCTAATAAACAGTTCCTTCTAGGAACATAAATCGTTATAG	3998
Ovis	ATCCAATATCCTCATTTATTATTTCTAATAACCGTTATACCTTGGAACCAATTATCGTTGTA	3973
Capra	ATCCAATCATTTTTATTATTATTTCTAATAACCGTTATACCTTGGAACCAATCGTCATAA	3969
Bos	ACCCATATCTTTTATTATTATTTCTAATCAACCATTTATCTAGGAACATAATTGTCTATAA	3966
Sus	ATCCCATATCTACACTACCTTATCATAAACAGTAATGTCCGGAACCATATCTAGTAATAA	3975
Oryctolagus	ACCCCTTAATCTTTATTATTATCATATTTACTCTATTTATAGGCAGATAATCACAGTAT	3983
Lepus	ACCCCTTAATCTTTTCCATCATCTCTATTACCTTATTCCTAGGCACATAATATACCATAT	3979
Homo	ATCCCTTGCCCACACCGTCATCTACTCATCATCTTTCAGGCACATCATCAGCGC	3956
Rattus	TCC TT CCCT CC TT TTT CTT CC CCTTT GGC CGCCT TC CG C C	3955
Mus	ATCCTATTACCTTGCCATTATATCATCTTCAAACTCTTCTTAGGTCCTATAATCACAATAT	3978
Sciurus	ACCCCTTATCTTCTTGCTATCTACTTCAACCTATTTTCAGGAACCTTATTAATCTTAT	3984
Erinaceus	ATCCGATCTTAGCGTTATTCATTTATTTTATATAATAACAAATAGGTACAAATCATAGTATTAA	3972

Canis	TAA	GCTCGCACTG	ATT	ACTGATCTGA	ATTGGA	TTCGAAAT	AAAC	CATGCTAGCCAT	CATCC	4037							
Halichoerus	CGA	GCTCCCATT	GGCTGCTGAT	CTGAA	TTGGCTTT	GAAAT	AAAC	CATGCTAGCCAT	TATCC	4037							
Felis	CA	AGCTCCC	ACTGACTT	CTAGTCTG	AAATGGCTTT	GAAATGAA	CCCT	TATAGCCAT	CATCC	4039							
Equus	TAA	GCTC	CAC	TGACTA	ATAATCTGA	ATTCGGATT	TGAAAT	AAAT	TCTACTAGCCAT	TATCC							
EquusAsinus	CA	AGCTC	CAC	TGACTA	ATAATCTGA	ATTCGGATT	TGAAAT	AAAT	TCTACTAGCCAT	CATCC							
Ovis	TT	TAGC	ACCCACTG	ATTGTCAT	CTGAA	TTGGATT	TGAAAT	AAAT	TACTATGCTT	ATTATC							
Capra	TT	TAGCTCCC	ACTGACT	ACGCATCTGA	ATTCGGATT	TGAAAT	AAAC	CATACTCGCCAT	TATCC	4029							
Bos	TC	AGTTCT	CAC	TGACTACT	TGTCTGAA	TCGGGTT	TGAAAT	AAAT	TACTACCGCCAT	CATCC							
Sus	TC	AGCTC	CAC	TGACTACT	CTCATCTGA	ATTCGGAAT	TGCAAA	TAAACCTAT	TAGCAATA	TATCC							
Oryctolagus	TT	TAGCTCCC	ACTGACT	AACTATATGA	ATTCGGATT	TGAAAT	AAAC	CATACTAGCAAT	TATCC	4043							
Lepus	TT	TAGCTCCC	ATTGGCT	AACTATATGA	ATTGGAAT	TGAAAT	AAAT	TATGTAGCT	TATATCC	4039							
Homo	TAA	GCTCGCACTG	ATTTT	TCTAGT	AGGCTAG	AGAAAT	AAAC	CATGCTAGCTT	TATTC	4016							
Rattus	TT	GC	CC	CTT	CC	CC	T	TG	GT	GG	TTGG	T	GCCTTTT	GCT	TC	TCC	4015
Mus	CC	AGCACC	AACTA	ACTAAT	TGAGT	AGGCCT	AGAAAT	CAGCCT	ACTAGCAAT	TATCC	4038						
Sciurus	TT	AGTCCC	ACTGACT	TATTAATCTG	ATTCGGAAT	TGAAAT	AAAC	CTAGCTACT	AGCTAT	TATCC	4044						
Erinaceus	TT	TAGCTC	CAC	TGACTACT	TCTAATTT	TGAAATG	AGGTTT	TGCAAT	AAATTT	TAATAGCAAT	TATCC	4032					
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Canis	CTATTCTCATAAAAAGTACAAATCCACGAGCCATAGAGGCCTCTACAAAATATTTTCTTA	4097
Halichoerus	CAATCCTGATAAAAAACACACCCCAAGAGCTACAGAAAGCATCCACAAAATATTTCTTA	4097
Felis	CCATCCTCATGAAAAATACAAACCCAGAGCCATAGAAAGCAGCCACAAAATATTTCTTA	4099
Equus	CTATCCTAATAAAAAAGTACAAATCCCCGAACCATAGAAAGCCTCCACCAATATTTTCTTA	4120
EquusAsinus	CCATCCTAATAAAAAATATAATCCTCGAGCTATAGAGGCCTCCACCAAGTACTTCTTA	4118
Ovis	CCATTATAATAAAAAAGCACAACCCAGAGCCACAGAAAGCATCAACCAATATTTCTTA	4093
Capra	CCATTATAATAAAAAACATAACCCAGAGCCACAGCAGCATCAAGCGACTATTTTCTTA	4089
Bos	CCATCATAATAAAAAATCACAAACCCAGAGCTACAGAAAGCATCAACTAAATATTTTGA	4086
Sus	CAGTATTAATAAAAAATTTTAAACCCAGAGCCACAGAAAGCAGCCACAAAATATTTCTTA	4095
Oryctolagus	CTATTCTAATCAACAAAGCCACCCACGATCAACAGAAAGCTGCAACCAAGTATTTTCTTA	4103
Lepus	CTATCCTAATCAATAAGGCCACACACGATCAACAGAAAGCTGCAACTAAATATTTCTTA	4099
Homo	CAGTTCTAACCAAAAAAATAAACCCCTCGTTCCACAGAAAGCTGCCATCAAGTATTTCTTA	4076
Rattus	CCTTCTGCCACAAAAAGGCCCGCTCCTGAGCAGCAGCAATTTTCTTA	4075
Mus	CCATACTAATCAACAAAAAAGCCACGATCAACTGAGCAGCAACAAAATATTTCTTA	4098
Sciurus	CTATTCTAATAAGTAAACCAATCCACGTTCAATTGAGCTGCTTCAAAATATTTCTTA	4104
Erinaceus	CTATTATAATAATTAGCAAAATTTCTCGATCTACAGAACTGCAATTAATATTTTCTTA	4092

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Canis	CACAAGCTACAGCCTCAATATTACTAATAATAGGAGTCACTATCAACCTCCTTTACTCCG	4157
Halichoerus	CACAGGCCACCGCATCTATCTCCTAATGATAGGCATTATCATCAACCTAATATTTCTCG	4157
Felis	CACAAGCAGCCGCTCCATAAATCTAATAATGAAATCATTATCAATCTACTGCTCGG	4159
Equus	CCCAAGCCACCGCATCAATACCTCTCATAAATAGCGATCATCATTAACCTCATACACTCAG	4180
EquusAsinus	CCCAAGCCACCGCATCCATACCTCTCATAAATAGCAATCATCATCAACCTTATACACTCAG	4178
Ovis	CTCAATCAACAGCCTCAATACTACTAATAATAGCCATTTATCATTAATCTTATTTCTAG	4153
Capra	CTCAATCAACAGCCTCAATATTACTAATAATAGCTATTATTATTAATTTAATATTCTCAG	4149
Bos	CTCAATCAACAGCCTCAATACTACTAATAATAGCCGTCATCATTAACCTAATATTCTCAG	4146
Sus	CACAAGCCACAGCCTCCATAAATCTAATAATAGCCATCATCATCAACCTCTTATTTCTG	4155
Oryctolagus	CACAAGCCACAGCATCTATAAATCTTAAATAATAGCTATTACCTTAATATCCTTGACTCCG	4163
Lepus	CACAAGCCACAGCATCAATAATTTTAAATAATAGCCATCACCTTAACATCCTTGACTCAG	4159
Homo	CGCAAGCAACCGCATCCATAAATCTTCTAATAGCTATCCTCTTCAACCAATATCTCCG	4136
Rattus	CCCAAGCTACGCCTCAATTTCTTCTCTCTGTCCTCTCTCTCTCTCTCTCTCTCTCTCT	4135
Mus	CACAAGCAACAGCCTCAATAATTTATCTCTCTGCGCATCTGACTCAACTATAAGCAACTAG	4158
Sciurus	TCCAAGCAACTGCTCCATAAATCTTATAATAGCAGCTATTATTAATTTCTACAATAACAG	4164
Erinaceus	TTCAAACTACAGCCTCAATTATACTAATAATGTCGGTTTCAATTAACCTAATAATGACAG	4152

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Canis	GCCAATGGGTAAATCTCAAAAAATCTCAAAACCCCATCGCATCCATCATGATAAACCACTGCC	4217
Halichoerus	GAGAATGATCAATCTCAAAAAATCCCTAACCCCATCGCATCAGGCCTAGTAACCATTTGCTC	4217
Felis	GACAATGGACCGTACTAAAAGACCTTAATCCCATAGCATCAATCATATAAACACCGCTC	4219
Equus	GCCAATGAACAAATCAAAAAAGTCTTCAACCCACAGCGTCCATCATTAATTTAGCTC	4240
EquusAsinus	GCCAATGAACAAATCAAAAAAGTCTTCAACCCACAGCATCCATCATCATTAATTTAGGCC	4238
Ovis	GCCAATGAACCGTAATAAAACATTTTAAATCCAAATAGCCTCCATCTCATAAACATAGGCC	4213
Capra	GCCAATGAACCTGTGCAAAAAATTTTCAACCCACAGCGTCCATCATTAATTTAGGCC	4209
Bos	GCCAATGAACCGTAATAAAACATTTTAAACCCAAATAGCCTCAATCTTATAACCATAGGCC	4206
Sus	GCCAATGGACCATTAACAAAAATTTTAAACCCAGTAGCAATAACAAATAAATACCATGGGCC	4215
Oryctolagus	GACAATGAACCCATAATTAATCCCAAGATCACTTACTTCAAGTCCATTAATTTAGGCC	4223
Lepus	GCCAATGAACCTAATTAACCCACAAAATCACTTTACCAATCATATAATTTACTAGGCC	4219
Homo	GACAATGAACCATTAACCAATACTCAACATCACTCATCTAATAATCAATATGGCTA	4196
Rattus	GATAATGACCCCTTCAACCAACCAATACCTTACTCTCACTATTAATTTCTTCTC	4195
Mus	GAAATGAATATTTTCAACCAACCAACAGCCTTATCTTAAATTAATTTACTAGGCC	4218
Sciurus	GACAATGATCTATTTTCAACACCATTAACCAACTCTCCTCCCTTATATTGACACTAGCCT	4224
Erinaceus	GACAATGAACCTGCTACTTGTACTAATAATATATTTATCTTCTATTAATCAATTTCAATAC	4212

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Canis	TAACAATAAAACTAGGC-CTATCTCCATTCCACT-TCTGAGTTCCC-GAAGTAACACAGG	4274
Halichoerus	TAACAATAAAACTCGGT-ATAGCCCCTTTCCACT-TCTGAGTGCCC-GAAGTGACACAGG	4274
Felis	TAGCAATAAAACTAGGA-CTAGCCCCATTCCACT-TCTGAGTACCC-GAAGTTACACAG	4276
Equus	TCGCCATAAAACTTGGA-CTCACACCATTTCCACT-TCTGAGTACCC-GAAGTCACACAGG	4297
EquusAsinus	TCGCCATAAAACTTGGA-CTGACACCATTTCCATT-TCTGAGTGCCC-GAAGTCACACAGG	4295
Ovis	TCGCTATAAAACTAGGT-ATAGCCCCATTCCACT-TCTGAGTCCCA-GAAGTAACACAG	4270
Capra	TCGCTATAAAACTAGGA-ATAGCTCCATTCCACT-TCTGAGTCCCA-GAAGTAACACAG	4266
Bos	TAGCTATAAAACTAGGA-ATAGCCCCATTCCACT-TCTGAGTCCCA-GAAGTAACACAGG	4263
Sus	TAGCTATAAAACTAGGA-CTCTCACCTTTCCACT-TCTGAGTCCCA-GAAGTAACCCAG	4272
Oryctolagus	TAATCATTAAACTAGGA-ATAGCCCCTTTCCACT-TCTGAGTACCA-GAGGTACCCAG	4280
Lepus	TAATTTAATAGCTAGGA-ATGCCCCCTTTCCACT-TCTGAGTACCA-GAAGTACCCAG	4276
Homo	TAGCAATAAAACTAGGA-ATAGCCCCCTTTCCACT-TCTGAGTCCCA-GAGGTACCCAG	4253
Rattus	TGCCC-TAACTTGG-CTGCCCC-TTCC-CT-CTG-CT-CCC-GAGTC-CCCAG	4252
Mus	TATCCATAAAACTAGGC-CTGCCCCATTCCACT-TCTGATTACCA-GAAGTAACCTAAG	4275
Sciurus	TATCAATGAAAAAGGT-CTAGCTCCTTTTCCACC-TATGAGTACCA-GAAGTAACCCAG	4281
Erinaceus	TA--ATAAACTTGGAGCTGATCTCCTTTTCAACATATGACTCCCTGAGTAGGCCAAG	4269

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Canis	GAATTACGCTCATATCAGGAATAATCCTACTAACATGACAAAAAATCGCACCTATATCCA	4334
Halichoerus	GAATCTCACTATCCTCAGGCATAATCCTACTCACATGACAAAAAATTCACCCACTATCCA	4334
Felis	GAATTTCTATATCATCAGGCTTAATTTCTACTAACATGACAAAAAATTCACCCACTATCAA	4336
Equus	GCATCTCATTAACATCAGGTCTCATCTACTTACATGACAAAAAATAGCCCCAATATCAA	4357
EquusAsinus	GCATCTCACTAACATCAGGCCTCATCTTACTCACATGACAAAAAATAGCCCCAATATCAA	4355
Ovis	GCATTCCCTATCCTCAGGCCTTAATCTTACTCACATGACAAAAAATAGCACCCATGTGAG	4330
Capra	GTATCCCCCTATCCTCGGGCCTAATCCTACTCACATGACAAAAAATAGTACCGATATCTG	4326
Bos	GCATCCCCCTATCCTCAGGCCTTATCCTTACTGACATGACAAAAAATAGCCCCAATATCTG	4323
Sus	GCATTTCACTACAAGCAGGCCTTACTGTACTAACATGACAAAAAATAGCCCCATATCAG	4332
Oryctolagus	GAGTTCCCCCTAAAATCAGGATTAACTCTTCTCAGTGACAAAAAATAGCCCCCTATCCA	4340
Lepus	GAGTCCCCCTGAAATCGGGTCTTATCCTCCTTACATGACAAAAAATAGCCCCCTATCCA	4336
Homo	GCACCCCTCTGACATCCGGCCTGCTTCTTCTCACATGACAAAAAATAGCCCCATCTCAA	4313
Rattus	GATTTCCCTCCTCTGGATTCTTCTTCTACCTGACAAAAAATAGGCTCCCTCTCA	4312
Mus	GGATCCCACTGACATAGGACTTATCTTCTTCTCACATGACAAAAAATAGCCCCCTATCCA	4335
Sciurus	GAATCCCCCTTATATCAGGACTAATCCTACTCACATGACAAAAAATAGCTCCTATCTCAA	4341
Erinaceus	GGCTATCCCTAAGCTCAAGCATAACTTCTTTAACCTGACAAAAAATAGCCCCAATATCAG	4329

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Canis	TCCTATATCAAATCTCTCCATCAATTAACACTAACCTTCTTATACTAATAGCCCTTACAT	4394
Halichoerus	TTCTCTATCAAATTTTCAACATCCATTAACCCCAAACTACTAATTACCATAGCAATCGCAT	4394
Felis	TCCTCTACCAAACTCTCATCCACTTAATTAACCTAACCTAACCTAACCAATATCCATCTTAT	4396
Equus	TCCTATATCAAATCTCACCTCAATTAACCTAAATATCTTATTAACCTATAGCCGTACTGT	4417
EquusAsinus	TCCTATATCAAATCTCACCTCAATTAACCTAAACATCCTACTAATCTATAGCCGTGCTAT	4415
Ovis	TACTTTACCAAACTCTTCCATCCATCAACCTAGACCTGATCCTAACCTATCAATTTCTAT	4390
Capra	TACTTTACCAAACTCTTCCATCCATCAACCTAGACTTAATCTTAACCTATCAATTTTAT	4386
Bos	TACTTTACCAAACTCTTCCATCAATTAACCTAAACTTAATTTTAACCTATCAGTTTAT	4383
Sus	TACTATGCCAAATCTCAATCAATCAACCAACCTAATACTAATCTAACCTATCAGTTTAT	4392
Oryctolagus	TCCTTTACCAAACTCTTCCATCAATTAATCCAACTATAATAATATCAGTAGCCATTCTAT	4400
Lepus	TTCTTTATCAGATTTCTTCTCTATTGACTCAACTATGATAATACTAGTAGCTATTCTCT	4396
Homo	TCATATACCAAACTCTTCCCTCAATTAACCGTAGGCTTCTCTCTCACTCTCTCAATCTTAT	4373
Rattus	TTCTATCTCAATTTTTCATCTCTCAATTAACCGTAGGCTTCTCTCTCACTCTCTCAATCTTAT	4372
Mus	TTTTAAATCCAAATCTACCCGCTACTCAACTCTACTATCATTTTAAATAGCAATTAATCTT	4395
Sciurus	TCATATATCAAATTTGCTCCCTCAATTAACCACTAATTAATTTAATTTATAGCACTTATGT	4401
Erinaceus	TCCTATATTTATTTGTCTCCATCACTAAATATCTATATATATTTATTTAGCCTTCCTAT	4389

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Canis	CCGTTCTAGTAGGAGGCTGAGGCGGACTAAATCAAACCTCAACTACGAAAAATCATAGCAT	4454
Halichoerus	CAGTACTGATCGGAGGCTGAGGAGGACTAAATCAAACCCAACTCCGAAAAATCCTAGCCT	4454
Felis	CAGTCAATCGGAGGCTGAGGAGGCTAAACCAAAACCAACTACGAAAAATCATAGCAT	4456
Equus	CAATCTAGTAGGAGGCTGAGGCGGTCTCAACCAAAACCCAACTACGAAAAATCATAGCAT	4477
EquusAsinus	CAATCTAGTAGGAGGCTGAGGTGGCTCAACCAAAACCCAACTACGAAAAATTTATGGCAT	4475
Ovis	CTATTCAATCGGAGGCTGAGGAGGACTGAACCAAAACCCAACTACGAAAAATTTATAGCCT	4450
Capra	CCATTATAATGAGGCTGAGGCGGTCTAAACCAAAACCCAACTACGAAAAATTTATAGCCT	4446
Bos	CAATCTTAATGAGGCTGAGGCGGACTAAACCAAAACCAACTCCGAAAAATCATAGCCT	4443
Sus	CAATTTTAATCGGAGGCTGAGGAGGCTAAATCAAACCCAACTTCGAAAAATCATAGCAT	4452
Oryctolagus	CAATTTAGATTGCGGCTGAGGCGGTCTAAACCAAAACCCAACTACGAAAAATTTATAGCAT	4460
Lepus	CAATCATAGTTGGTGGCTGAGGAGGACTAAACCAAGACTCAACTACGAAAGATCCTAGCGT	4456
Homo	CCATCATAGCAGGCTGAGGTGATTAACCAAAACCCAGCTACGCAAAATCTTAGCAT	4433
Rattus	CAGTCTTTGTTGGCGCTGAGGCGGCTTAATCAACCAAAACCCAGCTACGCAAAATCTTAGCAT	4432
Mus	CTATTTTATAGGAGCATGAGGAGGACTTAACCAAAACCAACTACGAAAAATTTATAGCCT	4455
Sciurus	CCATTCTCTCGGCGGCTGAGGAGGACTCAACCAAAACCCAACTACGAAAAATTTATAGCAT	4461
Erinaceus	CTATTGCACTAGGCGGATGAGGCGGTCTAAACCAAACTCAACTGCGAAAAATTAATAGCTT	4449

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Canis	ACTCCTCCATTGCCCCATAGGCTGAATAGCCGCTATCATTAATTTAATACCCTACAATAA	4514
Halichoerus	ACTCATCAATCGCCCATATAGGATGAATAGCTGTCTTCTAACATACACCCCAACCTAA	4514
Felis	ACTCCTCAATCGCCCATATAGGCTGAATAGAGCTATCATTAATGTACAGCCCAACAATAA	4516
Equus	ACTCGTCAATCGCCCATATAGGATGAATAACAGCTGTCTAGTATATAACCCAACTAA	4537
EquusAsinus	ACTCGTCAATCGCCCATATAGGATGAATAGAGCTGTCTAGTGTACAAACCCAACTGA	4535
Ovis	ATTTCATCAATTGCCCCATAGGCTGAATAACAGCAGTTTACTATATATATCCCAACCATAA	4510
Capra	ACTCATCAATTGCCCCATAGGCTGAATAACAGCAATTTTACCATAACAACCCCAACATAA	4506
Bos	ACTCATCAATCGCCCATATAGGATGAATAACAGCAGTACTACCATATAACCCCAACATAA	4503
Sus	ACTCATCAATCGCCCATATAGGATGAATAGAGCAGTATTACCATATAACAACCAACATAA	4512
Oryctolagus	ACTCTTCAATCGCCCATATAGGATGAATAGAGCTATCATCAATTTAACCCAACTAA	4520
Lepus	ATTCTCAATGCCCCATATAGGATGAATAGAGCAGTACTATTAATTAACCCCAACATAA	4516
Homo	ACTCCTCAATTAACCCCATAGGATGAATAAGCAGTCTACCGTACCAACCTAACATAA	4493
Rattus	CTCCTCTTTGTTGGCGCTGAGGCGGCTTAATCAACCAAAACCCAGCTACGCAAAATCTTAGCAT	4492
Mus	ACTCATCAATGCCCCATAGGATGAATAAGCAATTTCTTCTTCAATCCATCCCTCA	4515
Sciurus	ATTTCATCAATTGCCCCATATAGGATGAATAATAGCTATTTATTTTATTAACCCCTCATTA	4521
Erinaceus	TCTCATCAATTGCCCCATATAGGATGAATAAGCTATTTTATGCTATAACCCCAATATTA	4509

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Canis	ATCCCCAAATGAATAATTATTCCAGAAATTAACGAAAAATACATAATTATTATTCCAAACA	4753
Halichoerus	CGCGCCAAATGAATAATTATTCCAGAAATTAACAAAAACGATATAATTATTCTCCCAACA	4753
Felis	ATCCCCAAATGAATAATCATCCAGAAATTGACTAAAAATGAATTAATCATAAATGCCAAACA	4755
Equus	ATACCCCAATGAATAATCATTCAAGAGCTCACCAAAAATAGCAGCATCATCTCTCCCCACA	4778
EquusAsinus	ATACCCCAATGAATAATCATCCAGAACTTACCAAAAAACGACAGCATCATCTCTCCCCACC	4774
Ovis	ATACCAAAATGAATAATTATCCAGAAATAACAAAAATGACAGCATATTCTTACCCACC	4749
Capra	GTACCAAAATGAATAATTATTCCAGAAATAACAAAAATTAACAGCATTATCTTACCCACC	4745
Bos	ATACCAAAATGAATAATCATCCAGAGATAACAAAAATTAACAGCATCATCTTACCCACT	4742
Sus	ATGCCAAATGAATAATTATTCCAGAAATAACAAAAATGAAGCATCATCATCGCCAAACA	4751
Oryctolagus	ATCCCTAAATGAATTATCATCCAGGAATTAACAAAAATGGCAATATCATTTTACCCACC	4759
Lepus	TTGCCAAAGTGAATTATTATTCCAGAAATTAACAAAAATGGCAACATCATTTATCCCACT	4755
Homo	TTTGCCAAATGGGGCCATTTCGAAAGAAATTCACAAAAAACAAATAGCCTCATCATCCCCACC	4732
Rattus	TT CC TG GC TT TCTCTG GCTTCT C CTTGCTC CCGT TC C	4731
Mus	CTACCAAAATGAATTATCATCAGAACTTATAAAAATCACTGTCTATCATAGCAACA	4754
Sciurus	TTCCCTAAATGAATAATCATCAAGAACTCGTATCCAAACAACATTATCTTGCCCAACA	4760
Erinaceus	TTTACCTAATGAATAGT-GGCCAAGAACTAGTTAATAATGACAATACTATTATAGCAATTA	4748

Canis	CTAATGGCTATCACCGCTCTACTTAACTTATATTTCTACCTGCGACTCACATATAGCACC	4813
Halichoerus	TTCATGGCCATCACAGCACTATTAAACCTATACCTTCTACATACGCCTATCCTATACCA	4813
Felis	TTACTAGCCATAACAGCACTACTCAACCTATACCTTCTACATACGACTAACATACACCACC	4815
Equus	CTAATAGCCATTATAGCACTACTCAACCTCTACTTCTACATACGACTAACCTATTCCACC	4836
EquusAsinus	CTAATGGCTATTATAGCTCTACTCAACTCTCTACTTCTACATGCGACTAACCTATTCCACC	4834
Ovis	CTCATAGCAATTACAGCACTACTAAACCTATATTTTTATATACGACTTACATACTCCACT	4809
Capra	CTTATAGCAATCACAGCACTACTAAACCTATATTTCTACATACGACTCACATATTCTACC	4805
Bos	TTCATAGCAATCACAGCTCTACTAAACCTTATATTTTTATATACGACTACGTAATCTACC	4802
Sus	CTCATAGCAATTACAGCACTGCTAAACCTCTATTTCTACATACGACTAGCCTACTCCTCC	4811
Oryctolagus	GCTATAGCCATGCTTGCCCTCCTAAATCTATATTTTTATATACGCCTTATCTATTCTTCC	4819
Lepus	ATAATAGCTATACTAGCCCTCCTAAACCTTTCTTTTACTTACGTCTAATCTACTCTTCT	4815
Homo	ATCATAGCCACCATCACCTCTCTAACTCTACTTCTACCTACGCCTAATCTACTCCACC	4792
Rattus	CTAATGCTATCTGCTCTTAACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT	4791
Mus	CTCATAGCAATTAAAGCCCTCCTAAACCTATTCTTTTATACTCGCTAATTTACTCTCCT	4814
Sciurus	CTAATAGCTATCATAGCCCTCCTAAACCTCTACTTCTACATACGACTTATTTACTCCACC	4820
Erinaceus	ATTATATTAATGCTAGCTCTAATTAACCTGTTTTCTATTTACGCCTAATTTACTCTTCA	4808

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Canis	GCACTTACCATATTTCCATCCCAAACAAATAAAAATAAAAATGACAGTTGCAATACACA	4873
Halichoerus	GCACTAACCATATTTCCCTCAGTAAACAAACATAAAAATAAAGTGACAATTCGAAAGTGCA	4873
Felis	GCACTAACCATGTTCCCTCAAACAAACAGTATAAAAATAAAAATGACGATTTGAAATGCA	4875
Equus	TCACTGACCATATTTCCCATCCCAAACAAATAAAAATAAAAATGACAAATTCGAA--ACC	4893
EquusAsinus	TCCCTAACTATATTTCCCATCCCAAATATATAAAAATAAAAATGACAAATTCGAA--ACC	4891
Ovis	GCACTACGATATTTCCCTCCCAAACAAACATAAAAATGAAATGACAAATTCGAAACCA	4869
Capra	ACACTACAATATTTCCCTCCCAAACAAATATAAAAATGAAATGACAAATTCGAAACCA	4865
Bos	ACACTAACATATTTCCCTCCCAAACAAACATAAAAATAAAAATGACAAATTTCCCTTATG	4862
Sus	TCACTGATATGTTCCCTCCCAAACAAACATAAAAATAAAAATGACAAATTCGAAACCA	4871
Oryctolagus	TCACTAACTATATTTCCCTACCACCAACATCTAAAAATAAAAATGACAAATTTGAAATCA	4879
Lepus	TCACTAACTATATTTCCCAACCAACCAACCTAAAAATAAAAATGACAAATTTGAAATCA	4875
Homo	TCAATCACACTACTCCCTATCTTAAACACGTAATAAAAAATAAAAATGACAAATTTGAAATCA	4852
Rattus	TCCCTCCTCCCTTCCCTCCCAAACCACTCTCCCTTAACTCTCCCTCCCTCCCTCCCTCC	4851
Mus	TCACTAACATATTTCCCAACCAATATTAACCTAAAAATAACTACCAAAACAAAACT	4874
Sciurus	TCTCTACCTCTTTCCATCTTCCAAATAACCTAAAAATCAAAATGACTATTTGAAATACT	4880
Erinaceus	TCACTAACTATATTTTCCATCAATAAACATGTTAAATTAACCTGACAAATACAAATCAA	4868

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Canis	AAAAAGGCAACCTATTAACCCCTTAAATTAACCTCAACTATACTACTCCCACTAACAA	4933
Halichoerus	AAAAAATATCTTCTGCCACCACTAATCATCATCTCGACCATACTACTCCCACTAACAA	4933
Felis	AAAAAATTAACCTTCTTACCCCTCTAGTTGTATATCAACCATACTACTTCCACTCGCA	4935
Equus	AAACGAATTACTCTCTTACCCCTGTTAATGTTATATCTCTCTCTCTCTCTCTCTCTCT	4953
EquusAsinus	AAACGAATTAACCTTCTTACCCCTTAAATCATCGCATCTTCTCTCTCTCTCTCTCTCTCT	4951
Ovis	AAACGAATAACCTCTCTACCAACATTAACCTGACTATCCACCATACTACTACCACTAACAA	4929
Capra	AAACGAATAACCTCTCTACCAACATTAACCTGACTATCTCAATACTCTCTCTCTCTCTCT	4925
Bos	AAAAAATAACCTTTCTACCAACATAGTCGTATTATCTACCAATAATCTACCACTCAAG	4922
Sus	AAACGAATAAATTAACCTCTCTACCAACATTAATGTTATATCAACCTAGTCCTACCTATA	4931
Oryctolagus	AAACGATACCT	4939
Lepus	AAACGATATAACATTTTATAGCCCTACTAATCATCTTATCCACAAATTTCTCTCTCTCT	4935
Homo	AAACCAACCCCTTCT	4912
Rattus	AAACATATTTTCT	4911
Mus	AAACCAACCCCTAATTTTCT	4934
Sciurus	AAAATCACACCCCTTATTTAGCCCTCTGCTATTGCTATCTATATCTCTCTCTCTCTCTCT	4940
Erinaceus	ATAATATACCTAATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT	4928

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tRNA-Trp

Canis	CCTATATTATCAGTCTTGGACTAG-----GAGTTTAGGTTAGACC--AGACCAAG	4981
Halichoerus	CCAATAATATCCATCCTAGAAATAG-----AGATTTAGGCTAAAAAT--AGACCAAG	4981
Felis	CCAATACTATCTATCTTGGACTAG-----AAGTTTAGGTTAAACT--AGACCAAG	4983
Equus	CCCATACTATCAATTTTGGACTAG-----GAATTTAGGTTAACTATCCAGACCAAG	5004
EquusAsinus	CCCATACTATCAATTTTGGACTAG-----GAATTTAGGTTAACTATCCAGACCAAG	5001
Ovis	CCAATCCTCTCAATTTTGGACTAG-----GAATTTAGGTTAA--AGACCAAG	4976
Capra	CCAATCCTCTCAATTTTGGACTAG-----GACTTTAGGTTAA--AT--AGACCAAG	4972
Bos	CCAATACTATCAGTGTAGAAATAG-----GAATTTAGGTTAA--AT--AGACCAAG	4969
Sus	CCAGCCTCTCGTCCCTAAACTAG-----GAATTTAGGTTAACT--AGACCAAG	4979
Oryctolagus	CCAGCACTCTCAGTATTAATTAAGCTTTAAAGGAGTTAGGTTAC--AT--AGACCAAG	4995
Lepus	CCTATACTCTCAGTATTAATTAAGCTTTAAAGGAGTTAGGTTAC--AT--AGACCAAG	4988
Homo	CCTTTTATACTAATAATCTTATAG-----AAATTTAGGTTAA--ATAC--AGACCAAG	4961
Rattus	TCCCACTAATTCAC-----ATG-----AAGTTTAGGTTAATAC--AGTTCAAG	4952
Mus	CCCCAATAATTTAT-----CTAG-----AAGTTTAGGTTAATAC--AGTTCCCG	4976
Sciurus	CCCATCTTATCAACCTATACCTAG-----GAATTTAGGTTAA--AGACCAAG	4988
Erinaceus	CCAATATTTATTAACCTTCTATTAATAG-----AAATTTAGGTTAA--AT--AGACCAAG	4978

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tRNA-Ala

Canis	AGCCTTCAAAGCTCTAAGCAAGTGCTACACACTTAACCCCTGATCA---AATCACCTCTA	5038
Halichoerus	GGCCTTCAAAGCCCTAAGTAAGTATTACTAATCTAATCTCTG--TA---AATCGAC-CTA	5035
Felis	AGCCTTCAAAGCTCTAAGCAAGTCTACAGACTTAACCTTCTGCACATCTAAACCATTTCTA	5043
Equus	AGCCTTCAAAGCTCTAAGCAAGTG-AATCCACTTAATTCCTGCATA-----CTA	5052
EquusAsinus	AGCCTTCAAAGCCCTAAGCAAGTG-TATTCACTTAATTCCTGCACA-----CTA	5049
Ovis	AGCCTTCAAAGCCCTAAGCAAGTATAATTTACTTAATTCCTGA-----TA	5021
Capra	AGCCTTCAAAGCCCTAAGCAAGTATAATTTACTTAATTCCTGA-----TA	5017
Bos	AGCCTTCAAAGCCCTAAGCAAGTACAAATTTACTTAATTCCTGA-----TA	5014
Sus	AGCCTTCAAAGCTCTAAGTAAGTACAAAGTACTTAACCTCCTGAAAA-----CCTA	5029
Oryctolagus	AGCCTTCAAAGCTCTAAGCAAGTAGATCATACTTAACCCCTGC-----TTA	5041
Lepus	AGCCTTCAAAGCTCTAAGCAAGTAAATTTACTTAACCCCTGC-----TTA	5034
Homo	AGCCTTCAAAGCCCTCAGTAAGTTGCA-ATACTTAATTTCTGCAACAG-----CTA	5011
Rattus	AGCCTTCAAAGCCCTTAGAAAAACA-AAACAAGTTTAACCTCTGA-----TA	4996
Mus	AGCCTTCAAAGCCCTAAGAAAAACA-CACAAGTTTAACCTCTGA-----TA	5020
Sciurus	GGCCTTCAAAGCCCTAAGTAAGTATTA-ATACTTAATTCCTGA-----TTTA	5034
Erinaceus	AGCCTTCAAAGCTCTAAGTAGACAAACCCCGTCTAATTTCTGAAA-----TTA	5026
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Canis	AGGGCTGCAAGAATCTATCT--TACATCAATTGAATGCAAAATCAAACACTTTAA-TTAAG	5095
Halichoerus	AGGACTGCAAGACTCTATCT--TACATCAACTGAATGCAAAATCAACTACTTTAA-TTAAG	5092
Felis	AGGACTGCAAGAATCTATCT--TACATCAATTGATTGCAAAATCAAACACTTTAA-TTAAG	5100
Equus	AGGACTGCGAGACTCTATCT--CACATCAATTGAACGCAAAATCAAACCTTTTA-TTAAG	5109
EquusAsinus	AGGACTGCAAGACTCTATCT--CACATCAATTGAACGCAAAATCAAACCTTTCA-TTAAG	5106
Ovis	AGGACTGCAAGACTACATCT--TACATCAATTGAATGCAAAATCAACCACTTTAA-TTAAG	5078
Capra	AGGACTGCAAGACCATATCT--TACATCAATTGAATGCAAAATCAACCACTTTAA-TTAAG	5074
Bos	AGGATTGCAAGACTCACTCT--TACATCAATTGAATGCAAAATCAACCACTTTAA-TTAAG	5071
Sus	AGGACTGCAGGACT-TATCC--TACATCAATTGAATGCAAAATCAAACACTTTAA-TTAAG	5085
Oryctolagus	AGGACTGCAAAA--TTAAGTT--TACATCTCCTGAGTGCAAAACAGGTGCTTTAA-TTAAG	5096
Lepus	AGGACTGCAAAA--TTAAGTT--TACATCTCCTGAGTGCAAAATCAAGTGCTTTAA-TTAAG	5089
Homo	AGGACTGCAAAACCCCACTC--TGCATCAACTGAACGCAAAATCAGCCACTTTAA-TTAAG	5068
Rattus	AGGACTGTAAGACTATATCT--TACATCTGTTAAATGCAAAATCAACTGCTTTAA-TTAAG	5053
Mus	AGGACTGTAAGACTTATCT--TACATCTATTGAATGCAAAATCAATGCTTTAA-TTAAG	5077
Sciurus	AGGACTACAAGACTTCACTCT--TGCATCAACTGAATGCAAAATCAATCGCTTTAAATTAAG	5092
Erinaceus	AGGATTACAAGATTATATTTCTCTATATCAATTGAATGCAAAATCAACCACTTTT-TTAAG	5085
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tRNA-Asp

Canis	CTAAGCCCTCC--CTAGATTGGTGAGCTT-CTAC-CTCACGAAATTTT-AGTTAACAGCT	5150
Halichoerus	CTAAGCCCTTA--CTAGATCGGTGGGCTC-CTAT-CCCACGAAACTTT-AGTTAACAGCT	5147
Felis	CTAAGTCTCTCA--CTAGATTGGTGAGGCTC-TAAC-CCCACGAAATTTT-AGTTAACAGCT	5155
Equus	CTAAGCCCTTA--CTAGATTGGTGAGGCTA-CCAT-CCCACGAAATTTT-AGTTAACAGCT	5164
EquusAsinus	CTAAGCCCTTA--CTAGATTGGTGAGGCTA-TCAT-CCCACGAAATTTT-AGTTAACAGCT	5161
Ovis	CTAAATCCTCA--CTAGATTGGTGAGGCTC-CACC-CCCACGAAACTTT-AGTTAACAGCT	5133
Capra	CTAAATCCTTA--CTAGACTGGTGAGGCTC-CACC-CCCACGAAACTTT-AGTTAACAGCT	5129
Bos	CTAAATCCTCA--CTAGACTGGTGAGGCTC-CACC-CCCACGAAACTTT-AGTTAACAGCT	5126
Sus	CTAAGTCTCTCA--CTAGATTGGTGAGGATTACATA-CCCACGAAACTTTTAGTTAACAGCT	5142
Oryctolagus	CTAAATCCTC--CTAGATTGGTGAGGCTC-CAAC-CCCACGAAGCTTT-AGTTAACAGCT	5150
Lepus	CTAAATCCTC--CTAGATTGGTGAGGATC-CAAC-CCCACGAAATTTT-AGTTAACAGCT	5143
Homo	CTAAGCCCTTA--CTAGACCAATGGGACT-TAAA-CCCACAAACACTT-AGTTAACAGCT	5123
Rattus	CTAAATCCTCAA--A-A-TGG-AA-AA-AA-TGG-A-AAAA-TGG-AAG-AA-A-GCT	5111
Mus	CTAAGACCTCAG-CTAGATTGGCAGGAATTAAA--CCTACGAAATTTT-AGTTAACAGCT	5133
Sciurus	CTAAGCCCTCCTACTAGATTGTAGGATT-TAAC--CTATAAATACTT-AGTTAACAGCT	5148
Erinaceus	CTAAATCCTCA--CTAGATTGACGGCTC--TAT-CCCGTAAATTTT-AGTTAACAGCT	5139
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Canis	AAATACCTAGT-AACTGGCTTCAATCTACCTTCTCCGCGCGTAGAAAA---AAAAAGG	5206
Halichoerus	AAAAACCTAGTCAACTGGCTTCAATCTAC-TTCTCCGCGCGCTAGAAAA---AAAAAGG	5203
Felis	AAATGCCCTAATCAACTGGCTTCAATCCAC-TTCTCCGCGCGCTAGAAAA---AAAAAGG	5211
Equus	AAATACCTAATCAACTGGCTTCAATCTAC-TTCTCCGCGCGCTAGAAAA---AAA-GG	5219
EquusAsinus	AAACACCTAATCAACTGGCTTCAATCTAC-TTCTCCGCGCGCTAGAAAA---AAA-GG	5216
Ovis	AAACACCTAATCAACTGGCTTCAATCTAC-TTCTCCGCGCGCTAGAAAA---AAAAAGG	5188
Capra	AAATACCTTAGATAACTGGCTTCAATCTAC-TTCTCCGCGCGG-AAGAAA---AAAAAGG	5184
Bos	AAACACCTAGTAACTGGCTTCAATCTAC-TTCTCCGCGCGCA-AGAAAA---AAAAAGG	5181
Sus	AAACACCTAATCAACTGGCTTCAATCTAC-TTCTCCGCGCGCA-GGAAAA---AAAAAGG	5197
Oryctolagus	AAATACCTTAGTCAACTGGCTTCAACCTAC-TTCTCCGCGCGTA-AGAAAA---AAAAAGG	5205
Lepus	AAATACCTAATCAACTGGCTTCAATCTAC-TTCTCCGCGCGTA-AGAAAA---AAAAAGG	5198
Homo	AAGCACCTAATCAACTGGCTTCAATCTAC-TTCTCCGCGCGC--GGGAA---AAAAAGG	5177
Rattus	AAA-A-CCTA-TTA-SGGCTTCAATCTA-TTCTCCGCGCTAT-CAGAAA---AGA-GG	5164
Mus	AAATACCTA-TTA-CTGGCTTCAATCTAC-TTCTACGCGCGAA-AAAAAA---AAATGG	5186
Sciurus	AAATACCTTATTCAACTGGCTTCAATCTAC-TTCTCCGCGCGTT-AAGAAA---AAAAAGG	5203
Erinaceus	AAATACCTATTCAATTTGGTTTCAACCTAC-TTCTCCGCGCTTTTAAAAAGGGAGGAGG	5198
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tRNA-Cys

Canis	CGGGAGAACCCCGGCGGCG-TC-TAGGCTGCTTCTTTGAATTTGCAATTCATATGAAA	5264
Halichoerus	CGGGAGAACCCCGGCGAG-G-TT-GAAGCTGCTTCTTTGAATTTGCAATTCACGCTGACA	5260
Felis	CGGGAGAACCCCGGCGAGCG-CC--AAGCTGCTTCTTTGAATTTGCAATTCACATGACA	5268
Equus	CGGGAGAACCCCGGCGAGAAAT-TT-GAAGCTGCTTCTTTGAATTTGCAATTCATGTGAAA	5278
EquusAsinus	CGGGAGAACCCCGGCGAGAA-TT-GAAGCTGCTTCTTTGAATTTGCAATTCACGCTGAAA	5274
Ovis	CGGGAGAACCCCGGCGAGATTT-GAAGCTGCTTCTTTGAATTTGCAATTCATATGTTA	5247
Capra	CGGGAGAACCCCGGCGAGATTT-GAAGCTGCTTCTTTGAATTTGCAATTCATATGTTA	5243
Bos	CGGGAGAACCCCGGCGAGATT--GAAGCTGCTTCTTGAATTTGCAATTCACGCTGTAA	5239
Sus	CGGGAGAACTCCCGGCGAGATT--GAAGCTGCTTCTTTGAATTTGCAATTCACATGATA	5255
Oryctolagus	CGGGAGAACCCCGGCGAGAG-TT-GAAGCTGCTTCTTTGAATTTGCAATTCATATGTTA	5263
Lepus	CGGGAGAACCCCGGCGAGAA-TT-GAAGCTGCTTCTTTGAATTTGCAATTCATATGAAA	5256
Homo	CGGGAGAACCCCGGCGAG-GTTT-GAAGCTGCTTCTTGAATTTGCAATTCATATGAAA	5235
Rattus	CGGGAGAAAGCCTTAGTAGAGGATTCCTACACCTTCGAATTCGCAATTCGACATGATA	5224
Mus	CGGTAGAAAGTCTTAGTAGAAGAT-TTCTCTACACCTTCGAATTTGCAATTCGACATGAT	5245
Sciurus	CGGGAGAACCCCGGCGAGATTTG--AAGCTGCTTCTTTGAATTTGCAATTCATATGAAA	5261
Erinaceus	CGGGAGAACCCCGGCGAGCAATATATTTTCTCTCTTGAATTTGCAATTCATATGTTT	5258
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tRNA-Tyr

Canis	AT--TCACCACGGAGCTT--GGCAAAAAGAGGACTTAAACCCCTATCTTTAGATTTACA	5319
Halichoerus	-T--TCACCACAGGACTT--GGTAAAAGGGGACTCAGACCCCATAGTTAGATTTACA	5314
Felis	-T--TCACCACAGGACTT--GGTAAAAGAGGGCTCGAACCTCTGTCTTTAGATTTACA	5322
Equus	AT--TCACCACGGGACTT--GATAAGAAAGAGGATTCAACCCCTGTCTTTAGATTTACA	5333
EquusAsinus	-T--TCACCACAGGACTT--GATAAGAAAGAGGATTCAACCCCTGTCTTTAGATTTACA	5328
Ovis	AT--TCACTACAGGACTT--GGTAAAAGAGGAATTAACCTCTGTCTTTAGATTTACA	5302
Capra	AT--TCACTACAGGACTT--GGTAAAAGAGGAATCAACCCCTGTCTTTAGATTTACA	5298
Bos	AT--TCACCACAGGGCTT--GGTAAAAGAGGAGTCAACCCCTATCTTTAGATTTACA	5294
Sus	-T--TCACCACGGAAC-T--GGCAAAAAGAGGGCTTAA-CCTCTGTCTTTAGATTTACA	5307
Oryctolagus	GTACCCACCTCAGGGCTT--GGTAAAAGAGGGCTTAA-CCTCTGTCTTTAGATTTACA	5319
Lepus	TT--TCACCTCAGGGCTT--GGTAAAAGAGGGCTCAA-CCTCTGTCTTTAGATTTACA	5310
Homo	AT--CACCTCGGAGC-T--GGTAAAAGAGGCCT--AACCCCTGTCTTTAGATTTACA	5286
Rattus	AT--CACCTTAGGGCTTTTGGTAAAAGGGGGCTCAA-CCCCTGTCTTTAGATTTACA	5280
Mus	AT--CACCTTAAGACCTCT-GGTAAAAGAGGATTTAAACCTCTGTCTTTAGATTTACA	5301
Sciurus	GT--TCACCTCAGGGCTT--GGTAAAAGAGGACTTCAACCTCTGTATTTAGATTTACA	5316
Erinaceus	ATA--CACTACAGAGCTAT--GGTAAAAGAGGTCTATCCTTCTGTCTTTAGATTTACA	5314
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COX1

Canis	GTCTAATGCTTTTA--TCAGCCATTTTACC-----TATGTTTCATTAAACCGATGA	5366
Halichoerus	GTCTAATGCTTCTA--TCAGCCATTTTACC-----TATGTTTCATAGATCGATGG	5361
Felis	GTCTAATGCTTTAC--TCAGCCATTTTACC-----TATGTTTCATAAACCGGTGA	5368
Equus	GTCTAATGCTTAC--TCAGCCATTTTACC-----TATGTTTCATCAACCGCTGA	5379
EquusAsinus	GTCTAATGCTTAC--TCAGCCATTTTACC-----TATGTTTCATTAAACCGCTGA	5374
Ovis	GTCTATTGCTTTAC--TCAGCCATTTTACC-----CATGTTTCATCAACCGCTGA	5349
Capra	GTCTATTGCTTTAC--TCAGCCATTTTACC-----CATGTTTCATCAACCGCTGA	5345
Bos	GTCTAATGCTTTGC--TCAGCCATTTTACC-----CATGTTTCATTAAACCGCTGA	5341
Sus	GTCTAATGCTT-AC--TCAGCCATTTTACC-----TATGTTTCGTAATTCGTTGA	5353
Oryctolagus	GTCTAATACCTTAC--TCGGCCATTTTACCCT----TACTTATGTTTCGTTCAATCGTTGA	5371
Lepus	GTCTAATGCTTAC--TCAGCCATTTTACCCT----TACTTATGTTTCATCAATCGTTGA	5362
Homo	GTCCAATGCTTAC--TCAGCCATTTTACCCTACCCCACTGATGTTTCGCGACCGCTGA	5344
Rattus	GTCTAATGCTTAC--TCAGCCATTTTACC-----TATGTTTCGTAACCGTTGA	5326
Mus	GTCTAATGCTTAC--TCAGCCATTTTACC-----TATGTTTCATTAAATCGTTGA	5347
Sciurus	GTCTAATGCTTAC--TCAGCCATTTTACCAC--CTACCTATGTTTCATCAATCGTTGA	5369
Erinaceus	GTCTAATACCTATATCTCGGCCATTTTACC-----TATGTTTATTTCTCGTTGA	5363
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Canis	CTGTTCTCCACTAATCACAAGGATATTGGTACTTTATACCTTACTATTTGGAGCATGAGCC	5426
Halichoerus	TTATTTTCCACAAATCATAAGGATATCGGCACCTCTTTATTTGCTGTTTGGCGCATGAGCT	5421
Felis	CTATTTTCAACTAATCACAAGGATATTGGTACTCTTTACCTTTTATTCGGTGCTGAGCT	5428
Equus	CTATTTTCAACTAACCACAAAGACATCGGCACCTCTGTACCTCCTATTCGGCGCTTGA	5439
EquusAsinus	CTATTTTCAACTAACCACAAAGACATCGGCACCTCTGTACCTCCTATTCGGCGCTTGA	5434
Ovis	TTATTTTCAACCAACCACAAAGATATCGGCACCTTTACCTTCTATTTGGTGCTGAGCT	5409
Capra	CTATTTTCAACCAACCACAAAGACATCGGCACCTCTACCTTCTGTTGCTGCTGAGCT	5405
Bos	CTATTCTCAACCAACCACAAAGATTTGGTACCTTTATCTACTATTTGGTGCTTGGGCC	5401
Sus	CTATACTCAACCAACCACAAAGACATCGGCACCTGTACCTACTATTTGGTGCTGAGCT	5413
Oryctolagus	CTTTTCTTACCAACCACAAAGACATCGGCACCTTTATCTCCTATTTGGAGCTTGA	5431
Lepus	TTATTTTCTACCAACCACAAAGACATGGAACTCTCTACCTTTTATTTGGAGCTGAGCT	5422
Homo	CTATTCTTCAACCAACCACAAAGACATGGAACTATACCTATTTATTCGGCGCATGAGCT	5404
Rattus	CTCTTTTCAACTAACCACAAAGATATCGGAACCTCTACCTATTTATTTGGAGCTGAGCT	5386
Mus	TTATTCTCAACCAATCACAAGATATCGGAACCTATATCTACTATTTGGAGCTGAGCG	5407
Sciurus	TTGTTCTCAACTAATCATAAAGACATCGGAACATTATATCTCTATTTGGTGCTGAGCT	5429
Erinaceus	CTTTTTTCTACAAATCATAAGGATATTGGCACTCTTTATCTACTATTTGGAGCTTGA	5423
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Canis	GGTATAGTAGGCACTGCTTTGAGCCTCCTCATCCGAGCCGAACTAGGTCAGCCCGGTACT	5486
Halichoerus	GGAAATAGCAGGCACCGCCCTTAGTCTCTTAATCCGCGCAGAACTAGGACAACTGGCGCC	5481
Felis	GGCATGGTGGGACTGCTCTTAGTCTCTTAATCCGGGCGGAACTGGGCCAACTGGTACA	5488
Equus	GGAAATAGTAGGAACCTGCCCTAAGCCTCCTAATCCGTGCTGAATTAGGCCAACTGGGACC	5499
EquusAsinus	GGAAATAGTAGGAACCGCCCTAAGCCTCCTAATCCGTGCTGAATTAGGTCAACTGGGACC	5494
Ovis	GGTATAGTAGGAACCGCCTTAAGCCTACTAATTCGCGCGGAACTAGGCCAACTCGGAACT	5469
Capra	GGCATAGTAGGGAACCGCCTTGAGCTTACTAATTCGCGCGGAACTAGGTCAACTCGGAACT	5465
Bos	GGTATAGTAGGAACCGCCTTAAGCCTCCTAATTCGCGCTGAATTAGGCCAACTCGGAACT	5461
Sus	GGAAATAGTGGGCACTGCTTGAAGCCTACTAATTCGCGCTGAATTAGGTCAGCCCGGAACT	5473
Oryctolagus	GGGATGGTGGGAACAGCCCTCAGCCTGCTAATTCGAGCAGAAATTAGGTCAGCCAGGGACT	5491
Lepus	GGAAATGGTAGGAACAGCCCTAAGTCTGTTGATCCGAGCAGAAATTAGGCCAACTGGGACT	5482
Homo	GGAGTCCTAGGCACAGCTCTAAGCCTCCTTATTCGAGCGAGCTGGGCCAGCCAGGCAC	5464
Rattus	GGAAATAGTAGGACAGCTTTGAGTATTCTAATTCGAGCTGAATTAGGACAGCCAGGCACA	5446
Mus	GGAAATAGTAGGACCGCACTAAGTATTTTAATTCGAGCAGAAATTAGGTCAACTGGGACT	5467
Sciurus	GGAAATAGTAGGTACAGCCCTTAGTTTTACTAATTCGAGCTGAATTGGGTCAACTCGGAGCC	5489
Erinaceus	GGTATAGTAGGCACCTCCCTTAGTCTATTGATTGCAATAGAGCTTGGCCAACTAGGACT	5483

Canis	TTACTAGGTGACGATCAAAATTTATAATGTGTCATCGTAACCGCCCATGCTTTCGTAAATAATC	5546
Halichoerus	CTACTAGGAGATGACCAAAATTTACAAAGTAACTGTCACCGCCCATGCAATTTGTAAATAAT	5541
Felis	CTACTAGGAGATGATCAGATTTACAAAGTAACTGTCACCGCCCATGCAATTTGTAAATAAT	5548
Equus	CTACTAGGAGATGATCAGATTTACAAAGTAACTGTCACCGCCCATGCAATTTGTAAATAAT	5559
EquusAsinus	CTGCTGGGAGATGATCAGATTTACAAAGTAACTGTCACCGCCCATGCAATTTGTAAATAAT	5554
Ovis	CTACTCGGAGATGACCAAAATCTAATGTAATTTGTAACCGCAGCATGCTTTGTAAATAAT	5529
Capra	CTACTTGGAGATGACCAAGATTTACAAAGTAACTGTCACCGCAGCATGCTTTGTAAATAAT	5525
Bos	CTGCTCGGAGACGACCAAAATCTAATGTAATTTGTAACCGCAGCATGCTTTGTAAATAAT	5521
Sus	CTACTTGGCGATGATCAAAATCTAATGTAATTTGTAACCGCAGCATGCTTTGTAAATAAT	5533
Oryctolagus	CTACTCGGGATGATCAAAATCTAATGTAATTTGTAACCGCAGCATGCTTTGTAAATAAT	5551
Lepus	TTACTTGGAGACGATCAAAATCTAATGTAATTTGTAACCGCAGCATGCTTTGTAAATAAT	5542
Homo	CTTCTAGGTAAAGCAGCAATCTAATGTAATTTGTAACCGCAGCATGCTTTGTAAATAAT	5524
Rattus	CTCCTAGGAGATGACCAAAATCTAATGTCATCGTCAAGCCCATGCAATTTGTAAATAAT	5506
Mus	CTTTTAGGAGATGACCAAAATTTACAAAGTAACTGTCACCGCCCATGCTTTGTAAATAAT	5527
Sciurus	TTACTAGGAGATGATCAAAATTTAATGTAATTTGTAACCGCAGCATGCTTTGTAAATAAT	5549
Erinaceus	TTATTAGGTGATGATCAGATTTACAAAGTAACTGTCACCGCCCATGCAATTTGTAAATAAT	5543

Canis	TTCTTCATAGTCATGCCATCATAAATGGGGGCTTTGGAACTGACTAGTGCCGTTAATA	5606
Halichoerus	TTCTTCATAGTAATGCCTATCATAAATGGCGGCTTTGGGAACGACTAGTGCCCTTAATA	5601
Felis	TTTTTTATGGTGATGCCTATTATAATGGAGGGTTCCGAACTGATTGGTCCCATTAATA	5608
Equus	TTCTTTATGGTGATGCCATTTAATCGGAGGATTCGGAACTGATTAGTCCCTGATA	5619
EquusAsinus	TTCTTCATAGTCATACCCATCATGATCGGAGGATTTGGGAACGATTAGTCCCTTAATA	5614
Ovis	TTCTTTATAGTAATGCCTATTATAATCGGTGGATTCCGCACTGACTAGTTCCTCTGATA	5589
Capra	TTCTTTATAGTAATGCCTATTATAATCGGAGGTTTGGCACTGACTAGTTCCTCTAATA	5585
Bos	TTCTTCATAGTAATACCAATCATAAATGGAGGATTCGGTAACGACTGTTCCCTTAATA	5581
Sus	TTCTTTATAGTAATACCCATTTATGATTGGGGGTTTGGTAACGACTCGTACCGCTAATA	5593
Oryctolagus	TTCTTTATAGTCATGCCATTTAATCGGAGGCTTCGGGAACGACTGTTCCCTCTGATA	5611
Lepus	TTCTTCATAGTTATACCTATTATGATTGGAGGCTTCGGGAACGACTAGTTCCTCTAATG	5602
Homo	TTCTTCATAGTAATACCCATCATAAATCGGAGGCTTTGGCACTGACTAGTTCCTCTAATA	5584
Rattus	TTCTTTATAGTAATACCTAATAATTTGGAGGCTTCGGAACTGACTTGTACCTAATA	5566
Mus	TTCTTCATAGTAATACCAATTAATAAATGGAGGCTTTGGAACTGACTTGTCCCACTAATA	5587
Sciurus	TTCTTCATAGTTATACCTATCATAAATGGGTGGATTGGAAATGACTAGTTCCTATTGATA	5609
Erinaceus	TTCTTTATAGTTATACCGATTATATTAGGAGGTTTGGGAACGCTGGTTAGTACCTCTCATG	5603

Canis	ATTGGTGCTCCGGACATGGCATTTCCCCGAATAAATAACATGAGCTTCTGACTCCTTCCT	5666
Halichoerus	ATTGGAGCTCCTGATATAGCATTTCCCCGAATAAATAATATAAGTTTCTGACTTTTACCG	5661
Felis	ATTGGAGCTCCTGACATAGCATTTCCCCGAATAAACAACATGAGCTTCTGACTCCTCCT	5668
Equus	ATTGGAGCACCCTGATATAGCTTTCCCCGAATAAACAACATAAGCTTCTGACTTCTCCC	5679
EquusAsinus	ATTGGAGCACCCTGATATAGCTTTCCCCGAATAAACAACATAAGCTTCTGACTTCTCCC	5674
Ovis	ATTGGAGCCCTGATATAGCATTTCCCTCGGATAAATAACATAAGCTTTTGACTTCTTCCC	5649
Capra	ATTGGAGCCCTGATATAGCATTTCCCTCGGATAAATAATATAAGCTTTTGACTTCTTCCC	5645
Bos	ATTGGTGCTCCCGATATAGCATTTCCCCGAATAAATAATATAAGCTTCTGACTTCTCCT	5641
Sus	ATCGGAGCTCCCGATATGGCCTTTCCACGTATAAACAACATAAGCTTCTGACTTCTCCA	5653
Oryctolagus	ATTGGGCTCCTGACATAGCCTTTCCCCGAATAAATAATATAGCTTCTGACTTCTCCTCC	5671
Lepus	ATTGGAGCCCTGATATAGCTTTCCCCGAATAAACAATATAAGCTTTTGACTTCTCCTCA	5662
Homo	ATCGGTGCCCCGATATGGCGTTTCCCCGATATAAACAACATAAGCTTCTGACTTCTACCT	5644
Rattus	ATTGGAGCCCTGATATAGCATTTCCCAAGATAAATAACATAAGCTTTTGACTTCTTCTCT	5626
Mus	ATTGGAGCCCTGATATAGCATTTCCCAAGATAAATAATATAAGTTTCTGACTTCTACCA	5647
Sciurus	ATTGGAGCCCTGACATAGCATTTCCCCGAATAAATAATATAAGCTTCTGACTTCTCCT	5669
Erinaceus	ATTGGAGCCCTGACATAGCTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	5663

Canis	CCATCCTTTCTTCTACTATTAGCATCTTCTATGGTAGAAGCAGGTGCAGGAACGGGATGA	5726
Halichoerus	CCATCCTTTCTACTACTAGTGGCTCCTCTATAGTAGAAGCAGGTGCCGGGACCGGGTGA	5721
Felis	CCATCCTTTCTACTCTTACTCGCTCATCTATGGTAGAAGCCGGAGCAGGAACCTGGGTGA	5728
Equus	CCATCATTCTACTTCTTCTCGCTTCTCAATAATTGAAGCAGGTGCCGGAACAGGCTGA	5739
EquusAsinus	CCATCATTCTACTTCTTCTTGGCTTCTCAATAATTGAAGCAGGCGCTGGAAACAGGCTGA	5734
Ovis	CCATCTTTCCTGTTACTCCTAGCATCTCTATGGTTGAGGCCGGAGCAGGAACAGGTTGA	5709
Capra	CCCTCTTTCCTATTACTTCTAGCATCTCTATAGTTGAAGCCGGAGCAGGAACAGGTTGA	5705
Bos	CCCTCATTCCTACTACTCCTCGCATCTCTATAGTTGAAGCTGGGGCAGGAACAGGCTGA	5701
Sus	CCATCCTTTCCTATTACTTCTGGCATCTCTCAATAGTAGAAGCCGGAGCGGTACTGGATGA	5713
Oryctolagus	CCTTCATTCTTCTTCTACTAGCCTCCTCAATAGTAGAAGCTGGGGCGGGACTGGCTGA	5731
Lepus	CCATCTTTCCTTCTCTTATTAGCCTCATCTATAGTAGAAGCTGGCGCAGGAACCTGGTTGA	5722
Homo	CCCTCTCTCCTACTCCTGCTCGCATCTGCTATAGTGGAGGCCGGAGCAGGAACAGGTTGA	5704
Rattus	CCATCATTCTACTCCTTTTAGCATCTCTCCATAGTAGAAGCTGGAGCTGGAACAGGATGA	5686
Mus	CCATCATTCTCCTTCTCTTACTAGGCATCTCAATAGTAGAAGCAGGAGCAGGTAAGGATGA	5707
Sciurus	CCCTCATTTCTACTGCTCCTAGCATCTGCTCAATAGTGGAGCAGGCGCTGGGACTGGATGA	5729
Erinaceus	CCTTCATTTATTCTTCTTCTTACATCTTCTATAGTTGAAGCAGGAGTAGGTACCGGTTGA	5723
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Canis	ACCGTATACCCCCACTGGCTGGCAATCTGGCCCATGCAAGGAGCATCCGTTGACCTTACA	5786
Halichoerus	ACCGTTTATCCTCCCCTAGCTGGGAACTGGCTCATGCAGGGGCATCTGTAGATCTAACG	5781
Felis	ACAGTATACCCACCCCTAGCCGGCAACTGGCTCATGCAGGAGCATCCGTAGACCTAAGT	5788
Equus	ACCGTATATCCTCCTCTAGCTGGAATCTGGCGCATGCAGGAGCCTCTGTTGACTTAACC	5799
EquusAsinus	ACCGTATATCCTCCCCTAGCTGGAATCTAGCGCACGCAGGGGCTTCTGTTGACTTAACC	5794
Ovis	ACCGTATACCCCTCCTCTAGCAGGCACCTAGCCCATGCAGGAGCCTCATAGACTTAAGT	5769
Capra	ACCGTATATCCTCCTCTAGCAGGTAACTAGCCCATGCAGGAGCCTCAGTAGACCTAACT	5765
Bos	ACCGTGTACCCCTCCTTAGCAGGCAACTAGCCCATGCAGGAGCTTCAGTAGATCTAACG	5761
Sus	ACTGTATACCCACCTTTAGCTGGGAACTAGCCCATGCAGGGGCTTCAGTTGATTTAACG	5773
Oryctolagus	ACTGTTTATCCACCTCTAGCCGGTAACTTGTACATGCTGGAGCCTCAGTGGATCTTACT	5791
Lepus	ACTGTCTACCCACCCCTGGCTGGTAACTTAGCTCATGCAGGAGCTTCAGTTGACCTTACT	5782
Homo	ACAGTCTACCCCTCCTTAGCAGGGAACCTACTCCCACTGGAGCCTCCGTAGACCTAACG	5764
Rattus	ACAGTATATCCCCCCTTAGCCGGAACTAGCCCATGCTGGGGTATCCGTAGATTTAACT	5746
Mus	ACAGTCTACCCACCTCTAGCCGGAACTAGCCCATGCAGGAGCATCAGTAGACCTAACG	5767
Sciurus	ACCGTTTACCCCTCCTTAGCAGGTAACTAGCCCATGCAGGAGCCTCAGTAGATCTAACT	5789
Erinaceus	ACTGTTTATCCCCCACTAGCAGGTAACTAGCCCATGCAGGCTCTTCGTAGATCTAGCT	5783
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Canis	ATTTTCTCCTTACACTTAGCCGGAGTCTCTTCTATTTTAGGGGCAATTAATTTCTACTACT	5846
Halichoerus	ATTTTCTCCCTCCACTTAGCGGGTGTATCATCTATTCTTGGGGCTATCAACTTCATCACT	5841
Felis	ATTTTCTTCTACACTAGCCTGGCAGGTGTCTCTCAATCTTGGGTGCTATTAATTTCTACTACT	5848
Equus	ATTTTCTCCTCCACTTAGCAGGGTGTCTCTCAATTTTAGGTGCTCAACTTTTATTACC	5859
EquusAsinus	ATCTTCTCCCTTACACTAGCTGGTGTATCTTCAATTTTAGGTGCCATCAATTTCTATTACC	5854
Ovis	ATTTTCTCCCTACATCTGGCAGGTGTCTCTCAATTTCTAGGAGCCATTAATTTTATTACA	5829
Capra	ATTTTCTCCCTACACTTAGCTGGAGTATCATCTATTTTAGGAGCCATTAATTTTATTACA	5825
Bos	ATTTTCTCTTTACACTTAGCAGGAGTTTCTCTCAATTTTAGGAGCCATCAACTTCATTACA	5821
Sus	ATTTTCTCCCTACACTTAGCAGGTGTATCATCAATCTAGGGGCTATTAATTTCTATTACC	5833
Oryctolagus	ATTTTCTCCCTTCACTTAGCTGGAGTATCATCTATTTTAGGGGCTATTAATTTTATTACA	5851
Lepus	ATCTTTTCTCTTACACTTAGCCGGAGTTTCTCTATTTCTAGGGGCTATTAATTTTATTACT	5842
Homo	ATCTTCTCCTTACACTTAGCAGGTGTCTCTCTATCTTAGGGGCCATCAATTTCTATTACA	5824
Rattus	ATTTTCTCCCTCCACTAGCCGGGTGTCTCTATCTTAGGAGCTATCAACTTTATTACC	5806
Mus	ATTTTCTCCCTTCAATTTAGCTGGGGTGTCTCTATTTTAGGTGCAATTAATTTTATTACC	5827
Sciurus	ATTTTCTCACTCCACTGGCAGGTGTTTCTCTCATCTTAGGGGCAATTAATTTTATTACT	5849
Erinaceus	ATCTTCTCCCTGCACCTCGCAGGGGTCTCATCTATCTTGGGAGCAATTAATTTTATTACT	5843
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Canis	ACTATTATCAACATAAAACCCCTGCAATATCCCAGTATCAAACCTCCCTGTTTGTATGA	5906
Halichoerus	ACTATCATTAATATAAAACCCCTGCAATGTCTCAATACCAAACCTCCTGTTTGTGTGA	5901
Felis	ACTATTATTAATATAAAACCTCCTGCCATGTCCCAATATCAAACACCTCTATTGTCTGA	5908
Equus	ACAATCATTAACATAAAACCCAGCCCTATCCCAATATCAAACCCCTCTATTGCTTTGA	5919
EquusAsinus	ACAATCATCAACATAAAACCCAGCCCTGTCCAGTATCAAACCCCTCTATTGCTTTGA	5914
Ovis	ACTATTATTAATATAAAACCCCTGCGATGTCAAGTATCAAACCCCTCTGTTTGTATGA	5889
Capra	ACTATCATTAACATGAAACCCCGCAATATCAATATCAAACCTCCCTGTTTGTGTGA	5885
Bos	ACAATATCAACATGAAAGCCCGCAATGTCACAATACCAAACCCCTCTGTTTGTATGA	5881
Sus	ACAATATTAACATAAAACCCCGCAATGTCTCAATACCAAACCCCTCTGTTTGTCTGA	5893
Oryctolagus	ACTATTATTAATATGAAAGCCCTGCAATATCTCAATATCAAACCCCTTATTGCTATGA	5911
Lepus	ACTATTATTAATATAAAACCCCTGCTATATCTCAATATCAGACCCCTCTATTGTTATGG	5902
Homo	ACAATATCAATATAAAACCCCTGCCATAACCCAATACCAAACCCCTCTCTGCTCTGA	5884
Rattus	ACTATCATTAATATAAAACCCCTGCTATAACCCAATATCAGACACCTCTCTTTGTATGA	5866
Mus	ACCATTATCAACATGAAACCCCGCAATATCAACATATCAAACCTCCTATTGCTGTGA	5887
Sciurus	ACTATTATCAATATAAAACCCCGCTATATCCCAATATCAAACCCCTCTGTTTGTCTGA	5909
Erinaceus	ACTATTATTAATATAAAACCACTGCTGTATCCCAATATCAAACCCCTTATTGCTGTGA	5903
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Canis	TCAGTACTAATTACAGCAGTTCTACTCTTACTATCCCTGCCTGTACTGGCTGCTGGAATT	5966
Halichoerus	TCCGTATTAAATCACGGCAGTACTCCTGCTATTGTCACTACAGTCCTAGCAGCTGGGCATC	5961
Felis	TCAGTCTTAATCACTGCTGTCTTACTACTTCTATCACTTCCAGTCTTAGCAGCGGGAAATC	5968
Equus	TCTGTCTTATTACGGCAGTACTCCTTCTCCTAGCCCTCCCGGTCTAGCAGCAGGCATT	5979
EquusAsinus	TCCGTCTCTATTACGGCAGTACTCCTTCTCCTAGCTCTTCCAGTCCTAGCAGCAGGTATT	5974
Ovis	TCTGTACTAATTACTGCCGTACTTCTCCTTCTCTCACTTCTGTATTAGCAGCTGGTATC	5949
Capra	TCTGTCTTAAATTACTGCCGTACTACTCCTCCTTTACTTCTGTATTAGCAGCTGGCATC	5945
Bos	TCCGTAAATAATTACGGCCGTACTACTACTCTCGCTCCCTGTATTAGCAGCGGCATC	5941
Sus	TCAGTACTAATCACAGCCGTACTACTTCTACTATCCCTGCCAGTCTTAGCAGCTGGCATT	5953
Oryctolagus	TCTGTCTAATCACAGCCGTACTTCTTCTTCTCTCTTTACAGTCTTAGCTGCTGGCATT	5971
Lepus	TCCGTCTCTATCACAGCTGTCTTCTTCTCTCTCTTTACAGTCTTAGCTGCGGGCATT	5962
Homo	TCCGTCTTAATCACAGCAGTCTTCTCTCTATCTCTCCCAGTCTTAGCTGCTGGCATC	5944
Rattus	TCCGTACTAATTACAGCCGTCTTACTACTTCTCTCACTGCCAGTATTAGCAGCAGGTATC	5926
Mus	TCCGTACTTATTACAGCCGTCTTACTCTTATTATCACTACAGTACCCGCTGGGGAGGA	5947
Sciurus	TCAGTCTTAATTACAGCTGTACTGTACTTCTTCTCACTTCCAGTCTTGCAGCAGGAATT	5969
Erinaceus	TCGATCTTAATTACAGCTATCCTTCTACTTCTAGCTCTACCAATTCTAGCCGCAGGTATT	5963
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Canis	ACAATACTTTTAAACAGACCGGAATCTTAAATACAACATTTTTTGATCCCGCTGGAGGAGGA	6026
Halichoerus	ACCATGCTACTCACAGACCGAAACCTGAATACAACATTTCTCGACCCGCTGGGGAGGAGT	6021
Felis	ACTATATTATTAAACAGATCGAAACCTAAACCCACATTTCTTGACCCGCTGGGGAGGA	6028
Equus	ACCATGCTTCTCACAGACCGTAACCTGAACATACTTTCTTCGACCCGCTGGGGAGGAGG	6039
EquusAsinus	ACTATGCTTCTCACAGACCGTAACCTAAACACCACTTCTTCGATCCTGACGGGGAGGAGG	6034
Ovis	ACAATACTACTAACGGACCGAAACCTGAATACAACCTTTTGTGACCCGCTGGGGAGGA	6009
Capra	ACAATACTACTAACAGACCGAAACCTAAACACAACCTTCTTTGACCCAGCAGGAGGAGGA	6005
Bos	ACAATGCTATTAAACAGACCGGAACCTAAATACAACCTTCTTCGACCCGCTGGGGAGGAGGA	6001
Sus	ACTATACTACTGACAGCCGTAACCTGAACACAACCTTTTGTGATCCAGCAGGTGGTGA	6013
Oryctolagus	ACAATGCTTTTAAACAGACCGAAACCTAAATACAACCTTCTTTGATCCTGACAGGAGGAGGA	6031
Lepus	ACAATACTTTTAAACAGACCGAAACCTAAATACAACCTTCTTCGACCCAGCAGGTGGTGGG	6022
Homo	ACTATACTACTAACAGACCGTAACCTGAACACAACCTTCTTCGACCCGCTGGGGAGGAGGA	6004
Rattus	ACTATACTCCTTACAGACCGAAATCTAAATACTACTTTCTTCGACCCGCTGGAGGTGGA	5986
Mus	ACTATACTACTAACAGACCGTAACCTAAACACAACCTTCTTTGACCCGCTGGAGGAGGA	6007
Sciurus	ACCATACTTTTAACTGACCGAAATTTAAATACAACCTTCTTTGACCCGCTGGGGAGGAGGA	6029
Erinaceus	ACCATACTACTAACAGACCGTAATCTTAAATACAACCTTTTGTGACCCCTCTGGAGGAGGT	6023
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Canis	GACCCATATCCTATATCAACACCTATTCTGATTCTTCGACATCCTGAAGTTTACATTCTT	6086
Halichoerus	GATCCTATCCTGTATCAACATCTATTCTGATTCTTCGACATCCCGAAGTGTATATTCTA	6081
Felis	GATCCTATCTTATACCAACACTTATTCTGATTCTTTGGCCATCCAGAAGTTTACATTTTA	6088
Equus	GATCCAACTTTATCAACACCTATTCTGATTCTTCGGAACCCGGAAGTCTATATTCTT	6099
EquusAsinus	GATCCAACTCTTATCAACACCTATTCTGATTCTTCGGAACCCGGAAGTCTATATTCTC	6094
Ovis	GACCCATATCCTATATCAACACCTATTCTGATTCTTTGGGCACCCGGAAGTATATATTCTT	6069
Capra	GACCCATATTTATATCAACACCTATTCTGATTCTTTGGGAACCCGGAAGTATATATTCTT	6065
Bos	GACCCATATCTATATCAACACCTATTCTGATTCTTTGGGAACCCGGAAGTCTATATTTTA	6061
Sus	GACCCATATCTTTATCAACACCTATTCTGATTCTTTGGGAACCCGGAAGTATATATTCTC	6073
Oryctolagus	GACCCATATCTATCAACACCTATTCTGATTCTTTGGGCACCCGGAAGTATATATTCTT	6091
Lepus	GACCCATATCTCTATCAACACCTATTTTGTATTCTTCGGTCACTGAAAGTGTATATTCTT	6082
Homo	GACCCATCTATATCAACACCTATTCTGATTCTTTGGTCACCCGGAAGTTTATATTCTT	6064
Rattus	GACCCATCTTCTTATCAACACCTATTCTGATTCTTCGGCCACCCGGAAGTGTATATTCTT	6046
Mus	GACCCATCTCTATCAACACCTATTCTGATTCTTTGGGCACCCGGAAGTTTATATTCTT	6067
Sciurus	GACCCATATCTATATCAACACCTATTTTGTATTCTTTGGGAACCCGGAAGTCTATATCTT	6089
Erinaceus	GATCCTATTCTAATCAACACCTATTCTGATTCTTTGGTCACCCGGAAGTTTATATTCTT	6083
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Canis	ATCCTGCCCGGATTTCGGAATAATTTCTCACATTGTCACTTACTACTCAGGGAAAAAGAG	6146
Halichoerus	ATCCTACCGAGATTTCGGAATAATCTCACATTGTACCTACTATTACGGGAAAAAGAA	6141
Felis	ATCCTACCGGTTTGGGATAATCTCACATATGTACCTATATTACGGTAAAAAGAA	6148
Equus	ATCCTACCGGCTTCGGTATAATCTCACATCGTCACTACTACTCAGGTAAAAAGAA	6159
EquusAsinus	ATTCTGCCAGGCTTTGGTATAATCTCACATCGTTACATATTATTACGGTAAAAAGAA	6154
Ovis	ATTTTACCTGGGTTTGGGATAATCTCCCATATGTGACCTACTATTACGGAAAAAGAA	6129
Capra	ATTTTACCTGGATTGGGAATAATCTCTCACATCGTAACCTACTACTCAGGAAAAAGAA	6125
Bos	ATCTTACCTGGGTTTGGGAATAATCTCTCATATCGTGACCTACTACTCAGGAAAAAGAA	6121
Sus	ATCTTACCGAGATTTCGGAATAATCTCCCATTTGTAACTACTATTACGGTAAAAAGAA	6133
Oryctolagus	ATTCTTCCAGGATTGGGAATAATTTTCGCACATTGTGACATACTATTCCGGAAAAAGAG	6151
Lepus	ATCCTACCGAGATTGGGATAATTTCTCACATTGTACCTACTATTCTGGGAAAAAGAA	6142
Homo	ATCCTACCGGCTTCGGAATAATCTCCCATATGTAACTACTACTCAGGAAAAAGAA	6124
Rattus	ATTCTTCCAGGTTTGGGAATTATTTTCACATGTAGTTACCTATTACTCTGGAAAAAGAA	6106
Mus	ATCCTCCCGAGATTGGGAATTATTTTCACATGTAGTTACTTATTACTCCGGAAAAAGAA	6127
Sciurus	ATTCTCCCGAGATTGGGATATTTTCACATATTTGTACCTACTACTCTGGTAAAAAGAA	6149
Erinaceus	ATTCTCCCGAGATTTCGGAATTATTTCTCATATTTGTAGCTTATTATTCTGGTAAAAAGAA	6143
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Canis	CCTTTCGGTTATATAGGAATAGTATGAGCAATAATATCTATTGGGTTTTTAGGCTTTATC	6206
Halichoerus	CCTTTTGGCTATATAGGAATAGTTTGAGCAATATGTCATCGGCTTCTGGGCTTTCATT	6201
Felis	CCCTTTGGCTACATAGGGAATAGTTTGAGCCATGATCAATCGGCTTCTGGGCTTTATC	6208
Equus	CCTTTTGGCTACATGGGTATAGTGTGAGCTATAATATCCATTGGCTTTCTAGGCTTCATC	6219
EquusAsinus	CCTTTTCGGCTACATGGGTATAGTATGAGCTATAATATCCATTGGCTTCTAGGCTTCATC	6214
Ovis	CCATTTCGATATATAGGAATAGTATGAGCCATAATATCAATTGGGTTCTAGGATTCATT	6189
Capra	CCATTTCGGTACATAGGAATAGTGTGAGCCATAATATCAATCGGTTTCTAGGATTTATT	6185
Bos	CCATTTCGATATATAGGGAATAGTTTGGGCTATAATGTCAATCGGATTTCTAGGTTTCATC	6181
Sus	CCTTTTGGATATATAGGCATAGTATGAGCCATAATGTCCATTGGATTCCTAGGTTTTATT	6193
Oryctolagus	CCATTTCGGCTATATAGGAATAGTATGAGCTATAATATCAATTGGTTTCTTGGATTTATC	6211
Lepus	CCATTTCGATACATAGGAATAGTATAGGCCATAATGTCAATTGGCTTCTTGGATTTATT	6202
Homo	CCATTTCGGATACATAGGTTATGGTCTGAGCTATGATATCAATTGGCTTCTAGGTTTTATC	6184
Rattus	CCCTTCGGATATATAGGTTATGGTATGAACCAATAATATCTATTGGCTTCTTAGGATTTATT	6166
Mus	CCTTTTCGGCTATATAGGGAATAGTATGAGCAATAATGTCTATTGGCTTCTAGGCTTTATT	6187
Sciurus	CCATTTCGGTATATAGGGAATAGTATGAGCTATGATATCTATCGGATTCCTAGGATTTATT	6209
Erinaceus	CCTTTTGGCTATATAGGAATAGTATGAGCCATAATATCTATCGGTTTATTAGGATTTATT	6203
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Canis	GTATGAGCTCACCATATGTTTACCGTAGGAATAGATGTAGACACACGAGCGTACTTTACG	6266
Halichoerus	GTATGAGCCCCACCATATTTCACTGTAGGGATGGACGCTGACACACGAGCATCTTCACT	6261
Felis	GTATGAGCCCATCATATGTTTACTGTAGGAATGGATGTAGACACACGAGCATCTTTACA	6268
Equus	GTATGGGGCTCACCATGTTTACAGTAGGGATAGACGTTGACACACGAGCATACTTCACA	6279
EquusAsinus	GTATGAGCTCACCACATGTTTACAGTAGGGATAGACGTCGATACACGAGCATATTTTACA	6274
Ovis	GTATGAGCCACCATATATTTACAGTCGGAATAGACGTCGATACACGGGGCTTACTTCAG	6249
Capra	GTATGAGCCACCATATATTTTACAGTCGGAATAGACGTCGATACACGGGGCTTACTTCACA	6245
Bos	GTATGAGCCACCATATATTTACTGTGCGGAATAGACGTCGACACACGAGCCTACTTCACA	6241
Sus	GTATGGGCTCACCACATATTTACCGTAGGAATAGCGTAGATACCGGAGCATATTTTACA	6253
Oryctolagus	GTATGGGGCCCATCATATATTTTACAGTAGGAATAGATGTAGACACACGAGCCTACTTTACA	6271
Lepus	GTTTGGAGCCACCATATATTTACAGTAGGAATAGCGTAGACACACGAGCCTATTTTACT	6262
Homo	GTGTGAGCACCATATATTTTACAGTAGGAATAGACGTAGACACACGAGCATATTTTACC	6244
Rattus	GTATGAGCACCATCATATATTTTACAGTAGGCCTAGATGTAGACACCCGAGCCTACTTTACA	6226
Mus	GTTTGGAGCCACCATATATTTTACAGTAGGATAGATGTAGACACACGAGCCTACTTTTACA	6247
Sciurus	GTATGAGCTCACCATATATTTTACTGTAGGTATAGATGTAGACACCCGAGCATATTTTACA	6269
Erinaceus	GTATGAGCTCACCATATATTTACTGTAGGTTTAGATGTTTGATACGACGATATTTTACA	6263
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Canis	TCCGCCACTATAATTATCGCTATTCCAA	CGGGAGTAAAAGTATTTAGTTGACTGGCAACA	6326
Halichoerus	TCAGCCACTATAATTATTGCCAATTCGCA	CAGGAGTTAAAGTATTTACGCTGACTAGCTACC	6321
Felis	TCCGCCACTATAATTATTGCCATTCCTA	CCGGGTGAAAGTATTTAGTTGACTGGCTACT	6328
Equus	TCAGCTACCATAATCATCGCTATCCCTA	CTGGTGTAAAAGTATTCAGCTGACTAGCCACC	6339
EquusAsinus	TCAGCTACCATAATCATCGCCATCCCCA	ACGGGTGTAAAAGTATTTAGCTGACTAGCTACC	6334
Ovis	TCAGCTACTATAAATTATCGCCATCCCAA	CAGGAGTAAAAGTATTTAGTTGACTAGCAACG	6309
Capra	TCAACTACCATAAATTATCGCTATCCCAA	CTGGAGTAAAAGTCTTCAGTTGATTAGCAACA	6305
Bos	TCAGCCCACTATAAATTATGTCTATTTCCA	ACGGGGTAAAAGCTTTACGCTGATTGGCCAAACA	6301
Sus	TCGTGCTACAATAATCATTTGCTATTTCCA	CTGGAGTAAAAGTATTTAGTTGATTAGCTACC	6313
Oryctolagus	TCAGCTACCATAATCATCGCTATCCCTA	CTGGAGTCAAAGTATTTAGCTGGCTAGCAACA	6331
Lepus	TCAGCCCACTATAATCATTTGCCAATTCCTA	ACGGGGTAAAAGTATTTAGTTGACTAGCAACT	6322
Homo	TCGCGTACCATAATCATCGCTATCCCCA	ACGGCGTCAAAGTATTTAGCTGACTCGGCCACA	6304
Rattus	TCTGCCACTATAAATTATCGCAATTCCTA	CAGGGCGTAAAAGTATTCAGCTGACTCGCTACA	6286
Mus	TCAGCCCACTATAAATTATGTCAATTCCTA	ACGGTGTCAAGGTATTTAGCTGACTTGCAAAAC	6307
Sciurus	TCCTGCAACTATAAATTATTGCTATTTCCA	CAGGAGTTAAAGTATTTAGCTGACTAGCTACA	6329
Erinaceus	TCAGCTACTATAAATCATTTGCCATCCCCA	CAGGAGTAAAAGTATTTAGCTGACTAGCAACA	6323

Canis	CTTCATGGAGGC	AATATTAAATGATCTCCAGCATATGCTATGAGCTTTAGGGTTTATTTTC	6386
Halichoerus	CTTCATGGGGGG	CAATATCAAGTGATCTCCAGGCATATTTATGAGCCCTGGGCTTTATCTTC	6381
Felis	CTTCATGGAGGTA	AATATTAAATGGTCCCTCGCTATATTATAGCCCTTAGGCTTTATTTTC	6388
Equus	CTGCA CGGAGGAAAT	ATCAAATGATCTCCAGCATACTCTGAGCTCTAGGCTTCATCTTC	6399
EquusAsinus	CTGCACGGAGGAAAT	ATCAAATGATCTCCAGCATATCTCTGAGCTTAGGCTTCATCTTC	6394
Ovis	CTTCATGGGGT	AATATCAAATGATCTCTGCCATAATATAGCCCTAGGTTTCATCTTT	6369
Capra	CTCCACGGAGGC	AATATCAAATGGTCCCCGCCATGATATAGCCCTTAGGCTTCATCTTC	6365
Bos	CTTCATGGAGGT	AATATCAAATGGTCTCTCGCTATAATGTGAGCCCTTAGGCTTTATTTTC	6361
Sus	CTGCACGGCGGC	CAATATTAAATGATACCCGCATAATGCTAGGCTCTGGGCTTCATCTTC	6373
Oryctolagus	CTGCACGGCGGC	AACTATCAAATGATCCCCCGCTATGCTCTAGCTCTAGGCTTTATTTTC	6391
Lepus	CTTCACGGTGGT	AATATTAAATGAGCTCCAGCATCTTTGAGCCTTAGGATTTATTTTC	6382
Homo	CTCCACGCAAGCA	ATATGAAATGATCTGCTCGAGTGCTCTGAGCCCTAGGATTCATCTTT	6364
Rattus	CTACACGGAGGAAAT	ATCAAATGATCCCCCGCCATATTTATGAGCCTTAGGGTTTATCTTC	6346
Mus	CTACACGGAGGT	AATATTAAATGATCTCCAGCATACTATGAGCTTTAGGCTTTATTTTC	6367
Sciurus	CTACATGGTGGC	AACTATCAAATGATCCCCCGCTATACTTTGAGCGCTAGGCTTCATCTTC	6389
Erinaceus	CTTCACGGAGGT	CACTATTAAATGATCCCCAGCAATAATATGAGCTTTAGGATTTATCTTT	6383
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Canis	TTATTTACAGTAGGCGGGTTAACAGGTATTGTCTAGCTAATTCGTCCTTAGACATCGTT	6446
Halichoerus	CTATTTACAGTGGGAGGCCTTACAGGCATCGTACTAGCCAACTCATCATAGACATTGTC	6441
Felis	CTATTTACCGTAGGAGGCCTAACCGGAATTGTACTAGCAAACCTCTTCAATAGACATTGTT	6448
Equus	TTATTTACAGTAGGAGGTCTAACAGGAATCGTCCTAGCTAACTCATCCCTAGATATTGTT	6459
EquusAsinus	TTATTTACAGTAGGAGGCCTAACAGGAATCGTCTTGGCTAACTCATCCCTAGATATTGTT	6454
Ovis	CTTTTTCACAGTCGGAGGCCTTAACTGGGAATTGTCTAGCCAACTCCTCCCTTGACATTGTC	6429
Capra	CTTTTTCACAGTAGGAGGCCTAACTGGGAATTGTTTTAGCTAACTCATCCCTTGATATTGTT	6425
Bos	TTATTTACAGTAGGAGGCCTTAACTGGGAATTGTCTTAGCCAACTCCTCCCTCGATATTGTT	6421
Sus	CTATTTACCGTAGGAGGTCTAACCGGCATTGTACTAGCTAATTCCTCCCTAGACATTGTA	6433
Oryctolagus	CTATTTACAGTAGGCGGTCTTACAGGAATTGTGCTAGCCAACTCCTCTTTAGACATCGTA	6451
Lepus	CTATTTACAGTAGGTGGTCTTACAGGAATTGTGCTAGCTAATTCCTCTTTAGACATTGTC	6442
Homo	CTTTTTCACCGTAGGTGGCCTGACTGGCAATTGTATTAGCAAACCTCATCTAGACATCGTA	6424
Rattus	TTATTTACAGTAGGGGGCTTAACTGGGATCGTACTATCTAACTCATCCCTTGACATTGTA	6406
Mus	TTATTTACAGTTGGTGGTTTAACTGGCAATTGTCTTATCCAACTCATCCCTTGACATCGTA	6427
Sciurus	TTATTTACAGTAGGAGGCCTAACAGGTATTGTTTTAGCCAACTCATCCCTAGACATTGTT	6449
Erinaceus	TTATTTACTGTTGGAGGTCTTACAGGAATTGTTTTAGCCAACTCATCGTTAGATATTGTT	6443
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Canis	CTTCATGATACATATTATGTTGTGGCTCAATTTCACTATGTGCTTTCAATAGGAGCAGTT	6506
Halichoerus	CTGCATGACACATATTATGTAGTAGCACATTTCCATTATGTCTTATCAATAGGAGCAGTA	6501
Felis	CTTCACGACACATATTACGTAGTGGCCCACTTTCATATGTCTTGTCAATAGGAGCAGTA	6508
Equus	CTCCACGATACCTTATTATGTAGTAGCACATTTCCATTATGTCTGTCTATAGGAGCAGTC	6519
EquusAsinus	CTCCACGATACCTTATTATGTAGTAGCACATTTCCACTACGTCTATCCATAGGAGCAGTC	6514
Ovis	CTCCATGACACATATTATGTAGTAGCACATTTCCACTACGTATATCAATAGGAGCAGTA	6489
Capra	CTCCACGACACATACTATGTAGTAGCTCAATTTCCACTACGTCTATCAATAGGAGCTGTG	6485
Bos	CTTCACGACACATACTACGTGTGCGCACATTTCCACTATGTTTTATCAATAGGAGCTGTA	6481
Sus	TTACATGATACATATTATGTAGTGGCACACTTCCACTATGTCTTATCTATAGGAGCTGTA	6493
Oryctolagus	CTACATGACACCTACTATGTAGTAGCTCACTTCCACTATGTCTATCTATAGGGGGCTGTA	6511
Lepus	CTACATGACACATACTATGTAGTAGCTCACTTCCACTACGTATTATCTATAGGAGCTGTA	6502
Homo	CTACACGACACGTACTACGTGTGAGTCACTTCCACTATGTCTTATCAATAGGAGCTGTA	6484
Rattus	CTTCATGATACATACTACGTAGTAGCTCACTTCCACTATGTCTTATCTATAGGAGCAGTA	6466
Mus	CTTCACGATACATACTATGTAGTAGCCCAATTTCCATTATGTTCTATCAATGGGAGCAGTG	6487
Sciurus	CTACATGACACATACTATGTAGTAGCCCACTTCCACTATGTACTATCCATAGGAGCTGTG	6509
Erinaceus	CTCAGCATATCTAGCATGCTGGGAGCTCAATTTCACTATGTTCTATCTATAGGAGCTGTA	6503
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Canis	TTTGCCATTATGGGAGGATTTGCCACTGATTCCCTTTATTCCTCAGGTTATACCTTTAAC	6566
Halichoerus	TTGCGCTATTATGGGTGATTCTGTCATTGATTCCCTCTATTCTCAGGCTATACACTCGAC	6561
Felis	TTGCGCTATCATAGGAGGCTTCGTCATTGATTCCCTCTATTCTCAGGATATACCTTTGAC	6568
Equus	TTGCGCATATGGGGGATTTGTACACTGATTCCCTCTATTCTCAGGATATACACTCAAC	6579
EquusAsinus	TTGCGCATATGGGAGGATTTGTTCATGATTCCCTCTATTCTCAGGATATACACTCAAT	6574
Ovis	TTTGCTATTATAGGAGGATTTGTACACTGATTTCCTCTATTCTCAGGCTATACCTCTCAAT	6549
Capra	TTGCGCTATCATAGGGGGATTTGTACACTGATTTCCTCTATTCTCAGGCTATACCTTTAAT	6545
Bos	TTTGCTATTATAGGGGGATTTGTTCATTGATTCCCTCTATTCTCAGGTTATACCTCTCAAC	6541
Sus	TTGCGCATATAGGGGGCTTTGTTCACTGATTTCCTCTATTCTCAGGCTATACACTCAAC	6553
Oryctolagus	TTTGCTATTATAGGAGGATTTGTACACTGATTTCCTCTATTCTCAGGCTATACCTTTAAT	6571
Lepus	TTGCGCATCATAGGGGGATTTGCTCATGATTCCCTTTATTCTCAGGTTACACCTAGAC	6562
Homo	TTTGCCATCATAGGAGGCTTCACTGATTTCCTCTATTCTCAGGCTATACCTTAGAC	6544
Rattus	TTGCGCATCATAGCTGGCTTCGCTCACTGATTTCCTCTATTCTCAGGCTATACCTTAAT	6526
Mus	TTTGCTATCATAGCAGGATTCGTTCACTGATTCCCTATTATTTTCAGGCTTACCTTAGAT	6547
Sciurus	TTTGCAATTATAGGGGGATTCGTTCACTGATTTCCTATTATTTTCAGGTTACACACTAGAT	6569
Erinaceus	TTTGCCATTATGGCGGATTTATCTACTGATTTCCTTTATTACAGGCTATACACTTAAAT	6563
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Canis	GATACTTGAGCAAAGATTCACTTTACAATTATGTTTGTGGGAGTAAATATAACTTTCTTC	6626
Halichoerus	AACACTTGAGCAAAAATTCATTCACAATCATGTTTCGTAGGAGTCAACATAAATCTTTT	6621
Felis	AACACTTGAGCAAAGATTCACTTTACGATTATGTTTGTAGGAGTCAATATAACGTTCTTC	6628
Equus	CAAACCTGAGCAAAAATCCACTTTACAATTATATTCGTAGGGGTAAATATAACCTTCTTC	6639
EquusAsinus	CAAACCTGAGCAAAAATCCACTTTACAATTATATTCGTAGGGGTCAATATAACTTTCTTC	6634
Ovis	GATACATGAGCCAAAATCCACTTTGCAATTATATTTGTAGGTGTTAAATGACTTTCTTT	6609
Capra	GATACATGAGCCAAAATCCACTTTGCAATTATATTTGTAGGTGTTAAATGACCTTCTTC	6605
Bos	GATACATGAGCCAAAATCCACTTTGCAATTATATTTGTAGGCGTCAATATAACCTTCTTC	6601
Sus	CAAGCATGAGCAAAAATTCATTTGTAAATCATATTCGTAGGAGTAAATATAACATTCCTTT	6613
Oryctolagus	CAAACCTGAGCTAAAATTCATCTCACTGTGATATTTGTAGGAGTCAACTTAACTTTCTTC	6631
Lepus	CAAACCTGAGCAAAAATTCATCTCACTGATATTTGTAGGAGTAACTTAACTTCTTC	6622
Homo	CAAACCTACGCCAAAATCCATTTCACTATCATATTCGCGGTAAATCTAACTTTCTTC	6604
Rattus	GACACATGAGCAAAAAGCCCACTTTCGCAATTATATTTGTAGGTGTAACATAACATTTTTC	6586
Mus	GACACATGAGCAAAAAGCCCACTTCGCCATCATGTTTCGTAGGAGTAAACATAACATTCCTTC	6607
Sciurus	AACACATGAGCTAAAATCCATTTTACTGTAAATATTTGTAGGAGTAACTTAACTTCTTC	6629
Erinaceus	GATACTTGAGCCAAAATCCATTTTATTTATATTTATAGGCGTAAATGTCACTTTTTC	6623
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Canis	CCTCAACATTTCTAGGTTTATCTGGAATACCTCGTCGATACTCTGACTACCCAGATGCA	6686
Halichoerus	CCCCAACATTTCTAGGTCTATCAGGAATACCTCGGCGATACTCCGACTACCCAGACGCC	6681
Felis	CCTCAGCACTTTCTAGGCCTGTCCGGAATGCCACGACGTTATTCTGACTATCCAGATGCA	6688
Equus	CCACAACATTTCTTGGCCTCTCAGGAATGCCACGACGCTATTCTGATTATCCAGACGCA	6699
EquusAsinus	CCACAACATTTCTTGGCCTCTCAGGAATGCCACGACGCTATTCTGACTACCCGACGCG	6694
Ovis	CCACAGCATTTCTAGGACTATCCGGATATACCACGACGATACTCTGATTATCCAGACGCA	6669
Capra	CCACAACATTTCTAGGATTATCTGGTATACCACGACGATACTCTGATTACCCAGACGCA	6665
Bos	CCACAACATTTCTAGGACTATCTGGCATGCCCTCGACGATACTCCGACTACCCAGATGCT	6661
Sus	CCACAACATTTCTAGGACTATCCGGATATCTCGACGATACTCCGATTATCTGACGCA	6673
Oryctolagus	CCTCAACATTTCTTGGCCTCTCAGGTATACCCCGACGGTACTCAGACTACCCGACGCG	6691
Lepus	CCTCAACATTTCTAGGACTTTCCGGCATGCCCGGCGGTACTCAGACTACCCAGACGCA	6682
Homo	CCACAACATTTCTCGGCCTATCCGGATATGCCCGACGTTACTCGGACTACCCCGATGCA	6664
Rattus	CCTCAACATTTCTAGGATTAGCAGGGATACCTCGTCGTTACTCTGATTATCCAGATGCT	6646
Mus	CCTCAACATTTCTAGGCCTTTCCGCAATACCACGACGCTACTCAGTACCCAGATGCT	6667
Sciurus	CCTCAACATTTCTAGGCCTATCTGGCATGCCACGTCGATACTCTGATTATCTGATGCA	6689
Erinaceus	CCTCAACATTTCTTGGACTAGCAGGGATACCTCGTCGATACTCAGACTACCTGATGCC	6683
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Canis	TATACTACCTGAAATACCGTCTCCTCTATAGGATCGTTTATCTCGCTTACAGCGGTGATG	6746
Halichoerus	TACACTACATGAAATACAGTCTCCTCCATGGGCTCATTCATTTCACTCACAGCAGTGATA	6741
Felis	TATACAACTTTGAAATACGATCTTCCGCAATGGGCTCTTTTATCTCATTAACAGCATG	6748
Equus	TATACAACTGAAATACCATCTCATCCATAGGATCTTTTATCTCACTTACAGCAGTGATA	6759
EquusAsinus	TATACAACTGAAACACCATCTCATCCATAGGATCTTTTATCTCACTCACAGCAGTAATA	6754
Ovis	TATACAACTGAAATACATCTCTCATCTATAGGCTCATTTATCTCACTAACAGCAGTAATA	6729
Capra	TATACAACTGAAATATATTTTCATCTATAGGCTCATTCATTTCACTAACAGCAGTAATA	6725
Bos	TACACAATATGAAATATATCTCATCAATAGGCTCATTCATTTCCCTAACAGCAGTTATA	6721
Sus	TACACAGCATGAAATATCTATCTCAATAGGCTCATTCATCTCACTAACAGCAGTGATA	6733
Oryctolagus	TATACAACTGAAATATGTTTTCATCAATAGGCTCATTCATTTCCCTAACGCGGTAAATA	6751
Lepus	TACACGATGTGAAATACCGTCTCATCAATAGGCTCCTTCATCTCTCTAACCGCTGTAAATA	6742
Homo	TACCCACATGAAACATCCTATCTGTAGGCTCATTCATTTCTCTAACAGCAGTAATA	6724
Rattus	TATACCACATGAAATACAGTCTCCTCTATAGGCTCATTCATCTCACTTACGCGCGTCTCT	6706
Mus	TACCCACATGAAACATCTGTCTCTTCTATAGGATCATTTATTTCACTAACAGCTGTTCTC	6727
Sciurus	TATACTACATGAAATACAGTATCATCAATAGGCTCTTTTATCTCCTTAAACAGCGGTAAATA	6749
Erinaceus	TATACAACTGAAACATGTATCATCAATAGGATCATTTATTTCACTAACAGCGGTAAATA	6743
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Canis	CTTATAATTTTTATGATCTGGGAAGCCTTTGTCATCCAAACGAGAAGTTGCTATAGTAGAA	6806
Halichoerus	TTAATGGTATTTCATAATCTGAGAAGCTTTTCGATCTAAGCGAGAAGTAGCAGAGTTGAA	6801
Felis	TTAATAGTTTTTCATAGTGTGAGAAGCTTTTCGATCCAAACGAGAAGTGGCCATAGTAGAA	6808
Equus	CTAATAATTTTTTCATAATTTGAGAAGCTTTTCGATCCAAACGAGAAGTGTCTACAGTAGAA	6819
EquusAsinus	CTAATAATCTTTCATAATTTGAGAAGCATTCGATCCAAACGAGAAGTGTCTACAGTAGAA	6814
Ovis	CTAATAATCTTTCATCTCTGAGAAGCATTTGTCATCTAAACGAGAAGTCTAACTGTAGAC	6789
Capra	CTAATAATCTTTCATTTATCTGAGAAGCATTTGTCATCCAAACGAGAAGTGTCTACGTAGAC	6785
Bos	CTAATAATTTTTTCATCTCTGAGAAGCATTTGTCATCTAAACGAGAAGTCTTGTAGTGTAGAC	6781
Sus	TTAATAATCTTTCATTTATCTGAGGAGCATTCGATCAAAACGAGAAGTATCTGACGTAGAA	6793
Oryctolagus	GTAATAATTTTTTATAATCTGAGAAGCCTTCGCTCAAAACGAGAAGTAGAGACTATTGAA	6811
Lepus	GTAATAATCTTTTATAATCTGAGAAGCCTTCGCTCAAAACGAGAAGTAGAGACAGTTGAG	6802
Homo	TTAATAATTTTTTCATGATTTGAGAAGCCTTCGCTTCGAAGCGAAAAGTCTTAATAGTAGAA	6784
Rattus	GTAATGATCTTTCATGATTTGAGAAGCCTTCGCTCAAAACGAGAAGTGTCTCAATTTCC	6766
Mus	ATCATGATCTTTTATAATTTGAGAAGCCTTTGCTTCAAAACGAGAAGTAAATATCAGTATCA	6787
Sciurus	ATCATAATCTTTCATAATCTGAGAAGCCTTTGTCATCCAAACGAGAAGTTTTAACTGTTGAA	6809
Erinaceus	CTTATAGTTTTTTTAAATTTGAGAAGCATTCGCTGCAAAACGAGAAATTCCTTAAATTTGAG	6803
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Canis	CTTACTACAACTAACATTGAGTGACTACATGGATGTCCCCCTCCATACCACACGTTTCGAA	6866
Halichoerus	TTAACTACAACTAAATATCGAATGACTGCATGGATGTCCCCCTCCTTACCACACATTTGAA	6861
Felis	CTAACCACAACTAACTTGAATGATTGCATGGATGTCCCTCCTCCGTACCACACATTTGAA	6868
Equus	TTAACTCAACTAACTTGAATGACTACACGGATGCCCCCAACCATACCACACATTTGAA	6879
EquusAsinus	TTAACTCAACTAACTTGAATGACTACATGGATGCCCCCAACCATACCATACATTTGAA	6874
Ovis	CTAACCACAACTAACTTGAATGACTAAACGGATGTCCCTCCACCATACCACACATTTGAA	6849
Capra	CTAACCACAACTAACTTGAATGACTAAACGGATGCCCCCAACCATACCACACATTTGAA	6845
Bos	TTAACTCAACTAACTTGAATGACTAAACGGATGCCCTCCACCATATCACACATTTGAA	6841
Sus	CTGACAAGCACAACCTTGAATGACTACACGGATGTCCCTCCTCCCTATCACACATTTGAA	6853
Oryctolagus	CTAACAACCAACCTTGAATGACTTTCATGGATGCCCTCCTCCCATACCATACATTTGAA	6871
Lepus	CTTACTACTACTAACTTGAATGACTTTCATGGATGTCCACCCCATATCATATTCGAG	6862
Homo	GAACTCTCCATAAACCCTGGAGTGACTATATGGATGCCCCCAACCTACCACACATTCGAA	6844
Rattus	TACTCTTCAACTAACCTTGAATGACTTTCATGGATGCCCCCAACCTTACCACACATTCGAA	6826
Mus	TATGCTCAACAAATTTGAATGACTTTCATGGCTGCCCTCCACCATATCACACATTCGAG	6847
Sciurus	TTAACTTCAACTAACTTGAATGACTTTCATGGATGTCCCTCCTCCATACCACACATTTGAA	6869
Erinaceus	TTTACAAATACAAATATTGAATGACTACATGGATGCCCTCCTCCATATCATATTTGAA	6863
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tRNA-Ser

Canis	GAACTACATATGTGAT--CCAAAAATAAG-----AAAGGAAGGAATCGAACCCCTAA	6918
Halichoerus	GAGCCACCTACGTTCGT--ACTAAAAATAAG-----AAAGGAAGGAATCGAACCCCTCTGA	6913
Felis	GAGCCAACTTACGTACT--ATTAAAAATAAG-----AAAGGAAGGAATCGAACCCCTCTTT	6920
Equus	GAACCCACCTACGTAAA--CCTAAAAATAAG-----AAAGGAAGGAATCGAACCCCTCT	6931
EquusAsinus	GAACCCGCTACGTAAA--CCTAAAAATAAG-----AAAGGAAGGAATCGAACCCCTCT	6926
Ovis	GAACCCACATATGTTAA--CCTAAAAATAAG-----AAAGGAAGGAATCGAACCTCTAT	6901
Capra	GAACCCACATACGTTAG--CCTAAAAATAAG-----AAAGGAAGGAATCGAACCCCTAT	6897
Bos	GAACCCACCTATGTTAA--CCTAAAAATAAG-----AAAGGAAGGAATCGAACCCCTAC	6893
Sus	GAACCAACATATATCAA--CCTAAAAATAAGCTAAGAAAGGAAGGAATCGAACCTCTCC	6911
Oryctolagus	GAACCCGCTTTTCGTAAAAGCTTAGTACAAG-----AAAGGAAGGAATCGAACCTCTAA	6925
Lepus	GAACCTGCCTACGTAAAAGCCTAACTCAAG-----AAAGGAAGGAATCGAACCCCTAA	6916
Homo	GAACCCGTATACATAAA--ATCTAGACAAA-----AAAGGAAGGAATCGAACCCCTAA	6896
Rattus	GAACCTTCCTATGTAAA--AGTTAAATAAG-----AAAGGAAGGAATCGAACCCCTC	6877
Mus	GAACCAACCTATGTAAA--AGTAAAAATAAG-----AAAGGAAGGAATCGAACCCCTAA	6899
Sciurus	GAACCAACATATGTAAAGGCTTAAACCCAA-----GAAAGGAAGGAATCGAACTTCTAA	6924
Erinaceus	GAACCAACATATGTATT--AACAAAAATAAG-----AAAGGAAGGAATGTGAACCCCTAA	6915
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tRNA-Asp

Canis	AATTGGTTTCAAGCCAAATGTCATAACCATATGTCTTTCTCAATCAG--GAGGTATTAGT	6976
Halichoerus	AACTGGTTTCAAGCCAAATACCTAAACCTTATGTCTTTCTCAATTAA--GAGGCATTAGT	6971
Felis	AACTGGTTTCAAGCCAAATGCCATAACCATATGTCTTTCTCAATTAA--GAAGTATTAGT	6978
Equus	AACTGGTTTCAAGCCAAATATCATAAACCATATGTCTTTCTCCATCAATTGAGGTATTAGT	6991
EquusAsinus	AACTGGTTTCAAGCCAAATATCATAAACCATATGTCTTTCTCCATTAACGAGGTATTAGT	6986
Ovis	TATTGGTTTCAAGCCAAACCATAGCCACTATGACTCTCTCAATAAA--CGAGATGTTAGT	6960
Capra	TATTGGTTTCAAGCCAAACCATAGCCACTATGTCTCTCTCAATAAA--CGAGATGTTAGT	6956
Bos	TATTGGTTTCAAGCCAAACCATAGCCACTATGTCTCTCTCAATAAA--CGAGGTGTTAGT	6952
Sus	CACTGGTTTCAAGCCAAACCATAGCCACTATGTCTTTCTCGATAAT--CGAGGTATTAGT	6970
Oryctolagus	AACTGGTTTCAAGCCAGCCCCATAGCCACTATGACTTTCTTGATAAG-----ATATTAGT	6980
Lepus	GACTGGTTTCAAGCCAGCCGCATAACCATATGACTTTCTCAATAAG-----ATATTAGT	6971
Homo	AGCTGGTTTCAAGCCAAACCCATGGCCCTCCATGACTTTTCAAAAAG-----GTATTAGA	6951
Rattus	ACTGGTTTCAAGCCAAATTCCTTCCCTTGTCTTTCTCATGAG-----ATATTAGT	6932
Mus	AATTGGTTTCAAGCCAAATCTCATATCTATATGTCTTTCTCAATAAG-----ATATTAGT	6954
Sciurus	GACTAGTTTCAAGCCAGCCCCATAACCATATGACCTCTTTATAAG-----ATATTAGT	6979
Erinaceus	AACTGGTTTCAAGCCAAATCTTATAACCATATAACTTTCTCGAAACA--AGAGATTTTAGT	6974
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Canis	AAAA--ATTACATGACTTTGTCAAAGTTAAATTATAGGTGAAACCCCTATATATCTC-T	7033
Halichoerus	AAAA--ATTACATAACTTTGTCAAAGTTAAATTATAGGTGAAACCCCTTTATGCCTC-C	7027
Felis	AAAA--ATTACATAAACTTTGTCAAAGTTAAATTATAGGCTTGAATCCTATATGCTTC-A	7036
Equus	AAAA--ATTACATGACTTTGTCAAAGTTAAATTATAGGTGAAACCCCTATATACCTC-T	7047
EquusAsinus	AAAA--ATTACATAACTTTGTCAAAGTTAAATTATAGGTGAAACCCCTATATACCTC-T	7042
Ovis	AAAA--ATTACATAAACTTTGTCAAAGTTAAATTACAGGTGAAATCCCGTACATCTCAT	7018
Capra	AAAA--ATTACATAACTTTGTCAAAGTTAAATTACAGGTGAAATCCCGTACATCTCAT	7014
Bos	AAAA--ATTATATAACTTTGTCAAAGTTAAATTACAGGTGAAATCCCGTACATCTCAT	7010
Sus	AAAA--ATTACATAAACTTTGTCAAAGTTATATATAGGTGAAAGCCCTATATGCCTC-T	7027
Oryctolagus	AAAA--CATTACATAAACTTTGTCAAAGTTAAATTATAGGTGAAACCCCTATATATCTT-T	7038
Lepus	AAAA--TATTACATAAACTTTGTCAAAGTTAAATTATAGGTGAAACCCCTATATATCTT-T	7029
Homo	AAAA--CATTTCATAAACTTTGTCAAAGTTAAATTATAGGCTAAA--TCCTATATATCTT-A	7008
Rattus	AAAA--AATTACATAAACTTTGTCAAAGTTAAATTATAGGCTAAA--ATCCTATATATCTT-A	6990
Mus	AAAA--AATTACATAAACTTTGTCAAAGTTAAATTATAGGTGAAATCCTATATATCTTAT	7014
Sciurus	AAAA--TATTACATAAACTTTGTCAAAGTTAAATTATAGGTGAAACCCCTTTATATCTT-T	7037
Erinaceus	ATTAA--AAATACATTAATTTGTCAAAGTTAAATTAAAGGTTACAATCCCTTTATTTCTCTT	7033
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COX2

Canis	ATGGCGTACCCATTTCAACTCGGATTACAGGACGCAACCTCCCTATTATAGAGGAGCTA	7093
Halichoerus	ATGGCATACCCCTACAAATAGGCCTACAAGATGCAACCTCTCCATTATAGAGGAGTTA	7087
Felis	ATGGCGTACCCCTTTCAACTAGGTTTCCAAGATGCTACATCCCCATTATAGAGGAACTC	7096
Equus	ATGGCCTACCCCTTTCAACTAGGATTTCCAAGACGCAACATCCCTATTATAGAGGAACTC	7107
EquusAsinus	ATGGCCTACCCCTTTCAACTAGGATTTCCAAGACGCAACATCCCTATTATAGAGGAACTC	7102
Ovis	ATGGCATATCCCATACAACATAGGCTTTCAAGACGCAACATCACTATCATGGAAGAACTA	7078
Capra	ATGGCATATCCCATACAACATAGGCTTTCAAGACGCAACATCACTATCATGGAAGAACTA	7074
Bos	ATGGCATATCCCATACAACATAGGATTTCCAAGATGCAACATCACTATCATGGAAGAACTA	7070
Sus	ATGGCCTACCCCTTTCAACTAGGCTTTCCAAGACGCAACATCACTATCATGGAAGAACTA	7087
Oryctolagus	ATGGCGTACCCCTTTCAACTAGGCTTTCAAGATGCTCTATCCCTATTATAGAGGAACTA	7098
Lepus	ATGGCATACCCCTTTCAACTAGGCTTTCAAGATGCTCTATCCCTATTATAGAGGAGCTC	7089
Homo	ATGGCATATGACGCGCAAGTAGGCTTCAAGACGCTACTTCCCTATCATAGAGAGCTT	7068
Rattus	ATGGCCTACCCATTTCAACTAGGCTTTCAAGACGCTCTCCTCTCTCTCTCTCTCTCTCT	7050
Mus	ATGGCCTACCCATTTCAACTAGGCTTTCAAGACGCTCTCCTCTCTCTCTCTCTCTCTCT	7074
Sciurus	ATGGCATACCCCTTTCAAGATGAGGATTTCCAAGATGCTACTCTCTCTCTCTCTCTCTCT	7097
Erinaceus	ATGGCCTACCCCTTAGAATTAGGCTTCAAGATGCTCTCTCTCTCTCTCTCTCTCTCTCT	7093
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Canis	CTTCATTTTCATGACCATACACTAATAATTGTATTCTTAATCAGTTCCTTTAGTTCCTAT	7153
Halichoerus	CTACACTTTCCATGATCACACATTAATAATTGTATTTCTAATTAGCTCATTAGTACTCTAC	7147
Felis	CTACACTTTTCACGACCACACATAATAATTGTATTTTAAATCAGCTCTTTAGTTCCTTTAT	7156
Equus	CTACACTTTCCACGACCACACATAATAATCGTATTCCTAATTAGCTCTCTAGTATTATAT	7167
EquusAsinus	CTACACTTTCCATGACCACACGCTAATAATTGTCTTCTTAATTAGCTCTCTAGTGTATAT	7162
Ovis	CTACACTTTTCACGACCACACATAATAATCGTTCCTTAATCAGCTCTCTAGTACTTTAT	7138
Capra	CTACATTTTCACGATCACACATAATAATTGTTTTCTTAATTAGCTCACTGGTACTTTAT	7134
Bos	CTTCACTTTTCATGACCACACGCTAATAATTGTCTTCTTAATTAGCTCATTAGTACTTTAC	7130
Sus	CTACACTTTTCACGATCACACCTTAATAATCGTATTCCTTAATCAGCTCTTTAGTGTATAT	7147
Oryctolagus	CTTCACTTTTCATGACCACACTCTCATAATCGTCTTCTTAATCAGCTCCCTAGTCTTTAT	7158
Lepus	CTCCACTTTCCATGACCATACGCTCATAATCGTCTTCTTAATTAGCTCCCTGGTCCCTTAT	7149
Homo	ATCACCTTTTCATGATCACGCCCCATAATCATTTTCTTATCTGCTTCTAGTCTGTAT	7128
Rattus	CTCACTTTTCATGACCATACCTTAATAATTGTTTCTCTCTCTCTCTCTCTCTCTCTCTCT	7110
Mus	ATAAATTTCCATGATCACACATAATAATTGTTTTCTTAATTAGCTCATTAGTCTCTAT	7134
Sciurus	TTACACTTTCCACGACCATACTTAATAATTGTTTTTAAATCAGCTCATTAGTTCCTGTAT	7157
Erinaceus	CTATATTTCCACGATCATACTTTAATGATTGTATTTCTTATTAGTCTATTAGTTCCTATAT	7153

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Canis	ATCATTTTCACTAATATTGACTACAAAATTAACCCATACAAGCACAATAGACGCACAAGAA	7213
Halichoerus	ATTATTTTCACTCATGCTAACCCAGAACTTACCCACACAAGTACAATAGACGCACAGGAA	7207
Felis	ATTATCTCGTTGATGCTAACCAACCAAGCTCAGCACACGAGTACAATAGATGCTCAAGAA	7216
Equus	ATTATCTCATCAATACTAACCACTAAATTAACCCATACCAGCACCATAGATGCTCAAGAA	7227
EquusAsinus	ATTATCTCATCAATACTAACCACTAAATTAACCCACACCAGCACTATAGACGCCCAAGAA	7222
Ovis	ATTATTTCACTAATACTAACCAACAAAATTAACCCATACCAGTACCATAGACGCACAAGAA	7198
Capra	ATTATTTTCACTAATATTAAACCAAAAATTAACCCACACCAGCACCATAGACGCACAAGAA	7194
Bos	ATTATTTTCACTAATACTAACCAACAAAGCTGACCCATACAAGCAGCATAGATGCACAAGAA	7190
Sus	ATCATTTTCACTCATACCAACCAAACTGACACACACTAGCACAATGGATGCCCAAGAA	7207
Oryctolagus	ATTATTTCTCTTATATTAACTACAAAGCTCATCTCACAAAGCACAATGGATGCTCAGGAG	7218
Lepus	ATTATTTTCACTTATATTAACTACAAAATTAACGCACACAAGTACGATAGACGCTCAAGAA	7209
Homo	GCCCTTTTCCATACCACTCACACAAAATTAATACTAACTACATCTCAGCTCAGGAA	7188
Rattus	TTATTTTCACTAATACTAACCACTAACTAACCACTAACCACTAACCACTAACCACTAACCACT	7170
Mus	ATCATCTCGCTAATACTAACCAACAAAATTAACACATACAAGCACAATAGACGCACAAGAA	7194
Sciurus	ATTATTTTCACTTATGTTAACTAACTAACCCACACTAGTACAATAGACGCTCAAGAA	7217
Erinaceus	ATTATTTTCTGCTATACTTACGACAAATCTTATGCATACAAGTACAGTATGCTCAAGAA	7213

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Canis	GTGGAACAGTATGAACCAATCTACCCGCCATTATCCTAATCCTAATCGCTCTACCTTCC	7273
Halichoerus	GTGGAACAGTATGAACCAATCTACCCGCTATTATTTTAAATCCTCATGCCCCACCATCA	7267
Felis	GTAGAAACCAATCTGAACCAATCTACCTGCTATTATCTGATTTCTTATCGCCCCACCTCC	7276
Equus	GTAGAGACAATTTGAACGATTTTACAGCCATCATCTTATTTTAAATGCTCTCCCATCC	7287
EquusAsinus	GTAGAAACAATTTGAACGATTTTACAGCCATCATCTTATTTTAAATGCTCTCCCATCC	7282
Ovis	GTAGAAACAATCTGAACCAATCTTACAGCCATTTATCTTAATTATGATTGCTCTCTCCATCC	7258
Capra	GTAGAAACGGTCTGAACCAATCTTACAGCCATTTATTTTAAATATGATTGCTCTCCCATCT	7254
Bos	GTAGAGACAATCTGAACCAATCTGCCCCGCCATCATCTTAATTCTAATGCTCTCTCTCTCT	7250
Sus	GTAGAAACAATTTGCACAATCTTACCCGCTATTATTTCTAATTCTTATTGCCCCCTCCATCA	7267
Oryctolagus	GTAGAGACAATCTGAACCAATCTTACAGCCATTTATTTCTTATTTTAAATGCTCTCCCATCC	7278
Lepus	GTAGAGACTATCTGAACCAATTTTCCAGCTATTATTTCTGATTATAATGCCCCCTCCCTCT	7269
Homo	ATAGAAACCGTCTGAACCAATCTTCCGCGCCATCATCTTATGCTCTCATGCCCCCTCCATCC	7248
Rattus	GTAGAAACAATTTGAACTAATTTCTCCCCTGCTGCTAATTTCTTATTTCTAATTTGCCCCCTCCCTCC	7230
Mus	GTTGAAACCAATTTGAACCAATTTTACAGCTGTAACTCTTATCTAATTTGCCCCCTCCCTCT	7254
Sciurus	GTTGAAACAATCTGAACCAATTTTACAGCAATTTATCTTAATCTTAATCGCTTTTACCTCTCT	7277
Erinaceus	ATTGAACTGTATGAACGATTTCTTCTGCAATTTATTTCTTATCTTAATTTGCTTTACCTCTCC	7273

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Canis	CTCCGAATCCTTTATATAATGGACGAAATTAATAACCCCTCTTTAACCGTGAAAAAATA	7333
Halichoerus	TTGCGAATCCTCTACATAATGGACGAAATCAATAATCCTTCTTTGACCGTAAAAAATA	7327
Felis	TTACGAATTTCTATATAATGGATGAAATCAACAACCCCTCCCTCACAGTAAAAAATA	7336
Equus	CTACGAATTTCTATATAATAGATGAAATCAATAATCCGTCCTCTCACAGTAAAAAATA	7347
EquusAsinus	CTACGAATTTCTATATAATAGACGAGATTAACAACCCATCTCTCACAGTAAAAAATA	7342
Ovis	TTGCGAATCCTATACATAATAGATGAAATCAACAACCCATCTCTCACAGTAAAAAATA	7318
Capra	TTACGAATTTCTATACATAATAGACGAGATCAACAACCCATCCCTCACAGTAAAAAATA	7314
Bos	TTACGAATTTCTATACATAATAGACGAGATCAATAACCCATCTCTTAACAGTAAAAAATA	7310
Sus	TTACGAATCCTTTATATAATAGACGAAATTAATAACCCAGCCTTAACCGTAAAAAATA	7327
Oryctolagus	CTACGAATCCTATATAATAGATGAAATCAACAACCCCTCTTTAACAGTAAAAAATA	7338
Lepus	CTGCGAATCCTATATAATGGACGAAATCAACAACCCCTCTTTAACAGTAAAAAATA	7329
Homo	CTACGCAATCCTTTACATAACAGACGAGGTCAACGATCCCTCCCTTACCATCAATCAATT	7308
Rattus	CTCGAATTTCTTCTTCTTCTGCGGTTATTAACCGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT	7290
Mus	CTACGCAATTTCTATATAATAGACGAAATCAACAACCCGATTAACCGTTAAAAAATA	7314
Sciurus	CTACGAATCCTCTATATAATGGACGAAATTAATGATCCCTCGTTAACAGTAAAAAATA	7337
Erinaceus	TTGCGCAATTTCTATATCTAATAGATGAAATTAATAACCCCTCACTTACATAAAAACTTTA	7333

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Canis	CAAACCAACCTTATAGCCATACGACAGGACTGTACTATGGCCAGTGCTCTGAAATCTGC	7633
Halichoerus	CAAACCAACCTTATAGCCATACGACAGGACTGTACTACGGTCAATGCTCAGAAATCTGT	7627
Felis	CAAACCAACTCTAATAGCTACAGACCTGGTTTATATTATGGCCAATGCTCAGAAATCTGT	7636
Equus	CAGACAACTCTCGTGGCTCTCGACAGGACTTTACTACGGTCAATGCTCAGAGATCTGC	7647
EquusAsinus	CAGACAACTCTCGTAGCTCCCGACAGGCTTTACTATGGCCAATGCTCAGAAATTTGC	7642
Ovis	CAAACCAACCTTATGTCAACTCGTCCAGGCTTTATTACGGTCAATGCTCAGAAATTTGC	7618
Capra	CAAACCAACCTTATGTGCACTCGTCCAGGTCTATTCTACGGCCAATGCTCAGAAATCTGC	7614
Bos	CAAACCAACCTTATATCGTCCCGTCCAGGCTTATATTACGGTCAATGCTCAGAAATTTGC	7610
Sus	CAAACCAACTCTAATATCCACAGACCTGGCTTTATTACGGCAGTGTCTCAGAAATCTGT	7627
Oryctolagus	CAAGCCACACTTATCTCAACTCGACAGGACTTTTCTATGGTCAGTGCTCAGAAATTTGT	7638
Lepus	CAAGCTACTCTCATTTCACAGACAGGACTCTTCTACGGCCAATGTTCAAGAAATCTGT	7629
Homo	CAAACCACTTTTACCGCTACAGACCGGGGTATACTACGGTCAATGCTCTGAAATCTGT	7608
Rattus	C AAGCT C A GTC C A TC A A CCG C C GGTCT TTCT TGGCC A ATGCTCTG A AATTTGC	7590
Mus	CAAGCAACAGTAACATCAAAACCGGATTATTCTATGGCCAATGCTCAGAAATTTGT	7614
Sciurus	CAGGCAACACTAACATCTACAGACCTGGTTTATATTACGGTCAATGCTCAGAAATCTGT	7637
Erinaceus	CAAGCAACTCTAATGATTACCCGACCTGGAGTATACTATGGCCAAGTGTCTCAGAAATTTGT	7633

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Canis	GGATCTAACCACAGCTTTATACCCATTGTTCTTGAATAGTCCCCCTATCTTACTTTGAG	7693
Halichoerus	GGTTCAAACCATAGCTTCATACCTATTGTCTCGAATTGGTCCCCTATCCCCTTTCGAG	7687
Felis	GGCTCAAACCATAGCTTCATACCCATTGTTCTTGAATAGTCCCCTAACGTAATTTGAA	7696
Equus	GGATCAAACCAAGCTTTATACCAATTGTCTTGAATAGTTCCTGAAACACTTTCGAA	7707
EquusAsinus	GGATCAAACCAAGCTTTATACCAATTGTCTTGAATAGTTCCTGAAACACTTTCGAA	7702
Ovis	GGATCAAATCAAGCTTTTATGCAATTTGTTCTTGAATAGTCCCCTTAAATCTTCGAA	7678
Capra	GGATCAAACCATAGTTTTCATACCAATCGTTCTCGAGCTAGTTCCTTAAATATTTTGAA	7674
Bos	GGGTCAAACCAAGTTTTCATACCCATTGTCTTGAATAGTCCCCTAAAGTACTTTGAA	7670
Sus	GGATCAAACCAAGCTTTTCATACCCATTGTACTTGAATAGTCCCCTTAAAGTACTTCGAA	7687
Oryctolagus	GGCTCAAACCATAGCTTTTATACCTATTGTCTCGAATAGTTCCTTAAACACTTTCGAA	7698
Lepus	GGCTCAAACCATAGTTTTCATGCTATTGTTCTTGAATAGTTCCTTAAACACTTTCGAG	7689
Homo	GGAGCAAACCAAGCTTTTCATGCTTCCTGAAATTAATTCCTTAAATCTTCGAA	7668
Rattus	GGCTCAAATC C A GCTTC T A CCG TTGT CT G A A T A GTGCTCT A A A T T T T C G A	7650
Mus	GGATCTAACCATAGCTTTTATACCCATTGTCTTGAATAGGTTCCCTTAAATATTTTCGAA	7674
Sciurus	GGCTCTAACCACAGCTTTTATACCAATTGTTCTTGAATAGTTCCTTAAACACTTTCGAA	7697
Erinaceus	GGTGCCAAATCATAGCTTTTATACCAATTACCATCGAAGCGTTCTCTTACTTATTTTGAA	7693

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tRNA-Lys

Canis	ACCTGATCTGCCTTAATAGTA-TAACCTAGACTAGATCT-----ACTCATTAAGAAG	7744
Halichoerus	AAGTGATCTACCTCAATGCTT-TAA-----TCATTAAAGAAG	7722
Felis	AAATGATCTGCATCTATCTG-TAA-----ATTCATTAAAGAAG	7733
Equus	GAATGATCTGCATCAATATTA-TAA-----AGTCACTAAAGAAG	7744
EquusAsinus	GAATGATCTGCATCAATACTA-TAA-----AATCACTAAAGAAG	7739
Ovis	AAATGATCCGATCAATACTA-TAA-----AATCATCAAGAAG	7715
Capra	AAATGATCTGCATCAATACTA-TAA-----AGTCACTAAAGAAG	7711
Bos	AAATGATCTGCGTCAATATTA-TAA-----AATCACTAAAGAAG	7707
Sus	AAATGGTCAACATCAATATTAACAG-----GTTCATTGAGAAG	7725
Oryctolagus	AAGTGATCCCTTATCTATGATT-TAG-----ACTCGCTATGAAG	7735
Lepus	AGCTGATCCCTTATCCATGATC-TAG-----ACTCATTAAGAAG	7726
Homo	ATAGGGCCCCGCTATTTACCTA-TAGCAACCCCTCTACCCCTCTAGAGCCCACTGTAAAG	7727
Rattus	A A CTG TC A GCTTCT T A TT T A -----ACTCA TTGCGAAG	7687
Mus	AAGTGATCTGCTTCAATAATT-TAA-----TCTCACTATGAAG	7711
Sciurus	AAGTGATCTTCACTATATCA-TAA-----ATTCATTATGAAG	7734
Erinaceus	AAATGAACATCATCAATTAAT-TAA-----TCATTAAGAAG	7728

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Canis	CTATA-AAGCATTAACCTTTTAAAGTTAAAGACTGGGAGT--TTTAAC-CTCTCCTTAATG	7800
Halichoerus	CTATA-TAGCGTTAACCTTTTAAAGTTAAAGACTGAGAGTACTCTAAC-CTCTCCTTAATG	7780
Felis	CTAAATAAGCATTAACCTTTTAAAGTTAAAGACTGGGAGT--TTAAAT-CTCCCTTAATG	7790
Equus	CTATTTAGCATTAACCTTTTAAAGTTAAAGATTGAGGGT--TCAACC-CCCTCCCTAGTG	7801
EquusAsinus	CTAATAAGCGTTAACCTTTTAAAGTTAAAGACTGAGGGT--TCAATCTCCCTCCCTAGTG	7797
Ovis	CTATCCAGCGTTAACCTTTTAAAGTTAAAGACTGAGAAT--ATTATATCTCTCCTTGATG	7767
Capra	CTATGT-AGCGTTAACCTTTTAAAGTTAAAGACTGAGAGC--ATAATCTCTCCTTGATG	7772
Bos	CTATAT-AGCACTAACCTTTTAAAGTTAGAGATTGAGAGC--CATATACTCTCCTTGATG	7763
Sus	CTAGTC-AGCACTAACCTTTTAAAGTTAGAGATCGGGAGC--CTAAATCTCCCTCAATG	7781
Oryctolagus	CTAAAC-AGCGCTAGCCTTTTAAAGCTAGAGAGTGAAGTTAAATAGT-CTCTCCATAGTG	7793
Lepus	CTAAGT-AGCGCTAGCCTTTTAAAGCTAGAGATTGAGAGCTAAGCTAATCTCCATTAATG	7785
Homo	CTAAGTTAGCATTAACCTTTTAAAGTTAAAGATTAGAGAAACCAAC-CTCTTTACAGTG	7786
Rattus	CTTAG--AGCGTTAACCTTTTAAAGTTAAAGTTAGAGACA--ACAAA--TCTCCACAATG	7740
Mus	CTAAG--AGCGTTAACCTTTTAAAGTTAAAGTTAGAGACC--TTAAAA--TCTCCATAGTG	7765
Sciurus	CTAACATAGCATTAACCTTTTAAAGTTAAAGACTAGGAGT--TTAAACCTCCTCATAAAG	7791
Erinaceus	CTAGT--AGCATTAACCTTTTAAAGTTAAAGAAAGGAGT--TCCAA--TTCCCTTAGTG	7782

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ATP8

Canis	-AAATGCCACAGCTAGATACATCCACCTGATTATTATTAATCTTTTCAATATTTCTCACC	7859
Halichoerus	-AAATGCCACAGTTAGATACATCAACTTGACTCATTATAATCTCATCATAATCCTAACCC	7839
Felis	-ACATGCCACAACCTAGATACATCCACCTGATCCATCACTATTATATCAATAATTATAACA	7849
Equus	-ATATGCCACAGTTGGATACATCAACATGATTATTAAATATCGTCTCAATAATCCTAACT	7860
EquusAsinus	-ATATGCCACAGTTGGATACATCAACATGATTATTAAATATCGTCTCAATAATCCTAACT	7856
Ovis	-ATATGCCACAACCTAGACACATCAACGTGACTTACAATAATTCTATCAATATTTTTAGTC	7831
Capra	-ATATGCCACAACCTAGACACATCGACATGACTTACAACAATTTTATCAATATTTCTAGCT	7826
Bos	-ACATGCCGCAACTAGACACGTCAACATGACTGACAAATGATCTTATCAATATTTCTTGACC	7822
Sus	-GTATGCCACAACCTAGATACATCCACATGATTTCATTACAATTACATCAATAATTATAACA	7840
Oryctolagus	-AAATGCCACAACCTTGACACATCCACATGATTCTACCATTTGTCGCCATAATTCCTTTCA	7852
Lepus	-GAATGCCACAACCTTGACACATCCACATGACTGGTAACTATTATCGCTATAATCCTTTACA	7844
Homo	-AAATGCCCCAACTAAATACTACCGTATGGCCCCACCATAATTACCCCATACTCCTTTACA	7845
Rattus	-ACATGCCACAACCTAGACACATCCACATGATTATTATTACAATCATCTCCTCAATAGCCACA	7799
Mus	-ATATGCCACAACCTAGATACATCAACATGATTATTATCACAATTATATCATCAATAATTACC	7824
Sciurus	-ACATGCCCCAGTTAGACACATCCACATGATTATTACTATTTATCTCTATAATTTCTAGCC	7850
Erinaceus	CAAAATGCCTCAATTAGATACATCTTCATGATTTACAATAAATTTAGCTATATTTTTTAAAC	7842

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Canis	CTCTTCATCCTATTTTCAACTAAAAATTTCAAATCACTACTACCCAGAAAAACCGGATAAACCC	7919
Halichoerus	TTATTTCATCACGTTTTCACCTAAAAAGTCTCTAAACACTACTTCCCAACAAACCC-AGAACC	7898
Felis	CTATTTATTGTATTCCAACTAAAAATCTCAAAATACTTATATCCATCAAAACCC-AGAACC	7908
Equus	CTATTTATTGTATTTCAACTAAAAATCTCAAAAGCACTCCTATCCGACACACCC-AGAAGT	7919
EquusAsinus	CTATTTATTGTATTTCAACTAAAAATCTCAAAAGCACTCCTATCCCAATACCC-AGAAGT	7915
Ovis	CTCTTCATTTATTTTCACTAAAAATCTCAAAACACA-ACCTTCTACCAACACCCAGAAAT	7890
Capra	CTCTTTATTATCTTCCAACTAAAAATCTCAAAAGTACG-ACCTTCTACCAACACCCAGAAAT	7885
Bos	CTTTTTATCATCTTTTCACTAAAAAGTTTCAAAACACA-ACCTTTATCAACATCCAGAACT	7881
Sus	TTATTTATTTTATTCCAACTAAAAATCTCAAACTACTCATACCCAGCA-AGCCCAAGAAAT	7899
Oryctolagus	CTATTTATCCTAATACAACTCAAAATCCACAAATACACATACCCCTATGAACCC-AGTACT	7911
Lepus	TTATTTATCCTAATACAACTCAAAATCCAAATACCTTATCCATTAAGCC-AGCACC	7903
Homo	CTATTCCTCATCACCCAACTAAAAATATTAAA-CACAACTACCACTACCTCCTCACC	7904
Rattus	CTATTTATTTTATTTCAATTAATAATTTCTTCCCAACCTTTCTGCACTCTC-CTCACC	7858
Mus	CTATTTATCTTATTTCACTAAAAAGTCTCATCAAAACATTCCCACTAGCAC-TTACCC	7883
Sciurus	TTATTTATATTATTCCAGTCTAAAATCGCTAACCACTCATACTACTCAAAACCC-GTCTCA	7909
Erinaceus	CTTTTTATTATTATACAGCTAAAAATTAATTCATATA-AGACTTATAATATGATAGAAAC	7901

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ATP6

Canis	AAATCTGCTAAAAATGCTGGTCAACA-TAATCCTTGAGAAAACAAATGAACGAAAAATCTA	7978
Halichoerus	AAAAACAACGCTGCTATTAATAAAACAGTGCAACCTGAGAAAGAAAAATGAACGAAAAATCTA	7958
Felis	TAAATCCATAAACCACTAAAAACACCGGAATCCCTGAGAAAAAAATGAACGAAAAATCTA	7968
Equus	AAAGACAACCAAAATAACAAACACTCTGCCCCCTTGAGAAATCAAATGAACGAAAAATCTA	7979
EquusAsinus	TAAAACAACTAAAAATAGCTAAACAGCCTTTACCCCTTGAGAAATCAAATGAACGAAAAATCTA	7975
Ovis	AATAACAACAAAAACAACGAAACAAAACTACTCCTTGAGAAACAAATGAACGAAAAATCTA	7950
Capra	---AACAGCAAAATACTAAAGCATAAACCCCTTGAGAAACAAATGAACGAAAAATCTA	7942
Bos	GACACCAACAAAAATATTAACCAACCAACCCCTTGAGAAACAAATGAACGAAAAATCTA	7941
Sus	AATTGAACCTCAAACTCAAAACATAGCACCCCTTGAGAAATAAATGAACGAAAAATCTA	7959
Oryctolagus	AAAAGCACTTGAGTCTACTTCTATTTCCCTTGCCCATGAGAAACAAATGAACGAAAAATCTA	7971
Lepus	AAAAACATTTAAATCTACCTCTTTTCCCAACCATGAGACAAATGAACGAAAAATCTA	7963
Homo	AAAGCCCATAAAAATAAAAATTTATAACAAACCCCTGAGAACCAATGAACGAAAAATCTG	7964
Rattus	CAAACTATAGCCACAGAAAAACGAATAACCCCTTGAGAAATCAAATGAACGAAAAATCTA	7918
Mus	AAAACTACTAACCAACCAATAAAAGTAAAAACCCCTTGAGAAATAAATGAACGAAAAATCTA	7943
Sciurus	TAAAGATATAAAACCAACTACACATAGCACTCCTTGAGAAAGAAATGAACGAAAAATCTA	7969
Erinaceus	AAAAAAACAACTCTAAATCACTCTCTTAAACCTTGAGAACATAAATGAACGAAAAATCTA	7961

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Canis	TTGCTTCTTTTCTGCTGCCCCCTCAATAATAGGTCTCCCTATTGTGGTACTGATCGTCTATA	8038
Halichoerus	TTGCTCTTTTCACTACCCCTACAATAATAGGTCTCCCTATCGTAACTCTAATTGTCTCTA	8018
Felis	TTGCTCTTTTCACTACCCCAACAATAATAGGATTACCTATTGTATTTTTAATTATTATA	8028
Equus	TTGCTCTTTTCTGCTACCCCAACAATAGTAGGCCTCCCTATTGTAAATCTGATCATCTATA	8039
EquusAsinus	TTGCTCTTTTCTGCTACCCCAACAATAATAGGCCTCCCTATTGTAACTCTAATCTAATCTATA	8035
Ovis	TTGCTCTTTTCACTACCCCTATAATAATTTGGTCTCCCTCGTTACCTCATTTGTTTTTA	8010
Capra	TTTACCTCTTTTATTACCCCTATAATAATTAGGCCTCCCTGTTACCTTATTATTATTTA	8002
Bos	TTTACCTCTTTTATTACCCCTGTAATTTAGGTCTCCCTCTCGTAACCTTATCTGTAATA	8001
Sus	TTTACCTCTTTTATTAGCCCCACGATAATAGGACTACCTATTGTACCTTAATTATTATA	8019
Oryctolagus	TTCTCTCTTTTCTGCTACCCCAACACTAATAGGCCTCCCTATTGTAGCTTAATCTAATCTATA	8031
Lepus	TTCTCTCTTTTATTACCCCAACAATAATAGGCTTACCAATCGTAATCTTAATCTATCTATA	8023
Homo	TTGCTTCTATTCTATTGCCCCCAACATCTAGGCCTACCCGCCGAGTACTGATCATTCTA	8024
Rattus	TTTACCTCTTTTCACTACCCCAACAATAATAGGCTTACCAATCGTGTAGCCATCATTTA	7978
Mus	TTTACCTCTTTTCACTACCCCAACAATAATAGGCTTACCAATCGTGTAGCCATCATTTA	8003
Sciurus	TTTACCTCTTTTCACTACCCCTACACTAATAGGACTTCTCTATTATTATTCTTATCTATTGCA	8029
Erinaceus	TTTACCCCTTTTATTGCCCCCTACACTAATAGGTATCCCGGTAGCCATTCTTATTATTATA	8021

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Canis	TTCCCTTCCATTTTATTTCCCAACCCAGTCGCCTAATCAATAATCGGTTAATCTCCATT	8098
Halichoerus	TTCCCAAGCATCCTATTTCCATCTCCGACCGACTAATCAATAATCGCCTCACTCAATT	8078
Felis	TTTCCAAAGCATTTTATTTCCCTTACCTAACCGACTAATTAATAACCGTCTAGTTTCACTC	8088
Equus	TTTCCCAGCATCCTATTTCCCTTACCCAAACCGACTAATCAACAATCGCCTAATCTCAATT	8099
EquusAsinus	TTCCCCAGCATCCTATTTCCCTCATCCAACCGACTAATTAACAATCGCCTAATCTCAATC	8095
Ovis	TTCCCTAGCCTATTATTTCCCAATCAAAACCGACTAGTCAACAACCGCTCATCTCCCTC	8070
Capra	TTTCCTAGCTTACTATTTCCCTCATCAAAACCGACTAATTAACAACCGCTCGTCTCTCTC	8062
Bos	TTCCCCAGCCTACTATTTCCCAACATCAAAACCGACTAGTAAGCAATCGCTTTGTAAACCTC	8061
Sus	TTCCCCAGCTTACTATTTCCCAACACCCAAACGACTCATTAATAACCGCAAACTCTCGATC	8079
Oryctolagus	TTCCCAACTTTTACTATTTCCCTTCCCTAGCCGACTAATTAACAACCGACTAGTCTCAACC	8091
Lepus	TTTCCAAACCTTACTATTTCCCTATCCCTACCCGACTAATCAATAACCGGCTAGTCTCAGCT	8083
Homo	TTTCCCTCTATTGATCCCCACCTCCAAATATCTCATCAACAACCGACTAATCACCACC	8084
Rattus	TTCCAAATGATTTATTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCT	8038
Mus	TTTCCCTTCTATCTTATTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCT	8063
Sciurus	TTTCCCTAACATCCTATTTCCCTTCTCCAAATCGACTTATTAACAACCGCTAGTCTCATTC	8089
Erinaceus	TTTCCCAAGTCTTCTATTTATTAACATACTCGACTTTTATAGTAATCGAATTATATTTTAA	8081

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Canis	CAGCAATGACTAATTCAACTAACATCAAAACAAATACTAGCAATTCATAACCAAAGGGA	8158
Halichoerus	CAACAATGATTAAATCCAATTAACATCAAAACAAATGTTGTCAATCCATAACCATAAAGGA	8138
Felis	CAACAATGACTAGTACAACTAAACATCAAAACAAATACTGGCTATTCTAATCATAAAGGA	8148
Equus	CAACAATGGCTAGTCCAACTTACATCAAAACAAATAATAGCTATCCATAACAGCAAAGGA	8159
EquusAsinus	CAACAATGGCTAGTCCAACTTACATCAAAACAAATAATTAACCATCCATAACAATAAGGA	8155
Ovis	CAACAGTGAACTATTCAATTAAGTATCAAAACAAATAATGAGCATTCATAATCAAAAGGA	8130
Capra	CAACAATGGGCACTTCACTCATATCAAAACAAATAATAGTATTCTAATCAACCAAAGGA	8122
Bos	CAACAATGAATACCTTCACTTGTATCAAAACAAATAATGAGTATCCCAATTTCTAAAGGA	8121
Sus	CAACAATGATTAAATCCAATCACTCAAAACAAATAATAGCTATTCTCAACCAACAAAGGC	8139
Oryctolagus	CAACAATGATTAGCCCACTTATCTTAAAGCAATAATATTAATACATTTCCCCCAAAGGA	8151
Lepus	CAACAATGATTGGCCCAATGATTCTAAACAAATAATTAATGCACTCCCCCAAAGGA	8143
Homo	CAACAATGACTAATCAAACTAACCTCAAAACAAATGATAGCCATACACAACACTAAAGGA	8144
Rattus	CAACAATGACTAATCAAACTAACCTCAAAACAAATGATAGCCATACACAACACTAAAGGA	8098
Mus	CAACACTGACTAATTAACCTTATTTATCAAAACAAATAATGCTAATTCACACCCAAAGGA	8123
Sciurus	CAACAATGACTAATTCAACTAGTACTTAAACAAATAATGACCATACATAACCTGAAAGGA	8149
Erinaceus	CAGCAATGAATAATTAACCAACTACTTAACCAATGATAAGTAACCAACCCCTAAAGGT	8141

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Canis	CGAACCTGAGCTCTCATACTTATATCACTAATTCTATTTATTGGCTCAACTAATCTACTT	8218
Halichoerus	CAGACATGAGCACTTTACTTATTTTCACTTATCTATTTATTGGATCCACTAACCTGCTA	8198
Felis	CAAACTGAGCCCTAATACTAATGTCCCTAATTCTATTTATTGGGTCAACAACTTATTA	8208
Equus	CAAACTGAACTCTTTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTA	8219
EquusAsinus	CAAACTGAACTCTCTACTCTATGTCTGCTAATCCTATCTATCTATCTATCTATCTATCTA	8215
Ovis	CAGACATGAGCATTAAATGCTAATGTCCCTAATTTTATTTATTGGATCTCAAACTTACTA	8190
Capra	CAAACTGAACTAATAATTAATGCTAATGTCCCTAATCTATTTATTGGATCTCAAACTTACTA	8182
Bos	CAAACTGAACTAATAATTAATGCTAATGTCCCTAATCTATTTATTGGATCTCAAACTTACTA	8181
Sus	CAAACTGATCACTAATACTTATCTATCTAATTTATTTATTTATCTATCTATCTATCTATCTA	8199
Oryctolagus	CGAACCTGATCTAATACTTATCTATCTAATTTTCCCTAATCTATTTATTGGCTCAACCACTCTA	8211
Lepus	CGAACCTGGGCTCTCTACTGATCTCCCTAATTTATTTATTGGCTCAACTAACCTTACTA	8203
Homo	CGAACCTGATCTCTTATCTACTAGTATCTTATCTATTTTATTGGCTCAACTAACCTCTCTC	8204
Rattus	CGAACCTGATCTCTTATCTACTAGTATCTTATCTATTTTATTGGCTCAACTAACCTCTCTC	8158
Mus	CGGACATGAACCTTAATAATTTCTCTCCCTAATCATATTTATTGGATCAACAACTCTCTA	8183
Sciurus	CGAACATGATCTTTAATAATTTCTCTTTGATTATTTTATTGGGTCAACTAATCTATTG	8209
Erinaceus	CAAACTTGAGCCCTACTGTTAATATCTTTAATAATATTTATTCTTCTCAAAATATCTTA	8201

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Canis	GGACTATTACCTCACTCATTTACGCCCACAACAACCTCTCTATAAACCTCGGAATAGCA	8278
Halichoerus	GGCCTCCTGCCTCACTCATTTACCCCTACCAACCACTATCCATAAACTTAGGAATGGCT	8258
Felis	GGCCTATTACCCCACTCATTTACCCCACTACCAATATCAATAAACTTAGGAATAGCT	8268
Equus	GGCCTACTACCTCACTCATTTACCAACAACAACCTATCAATAAACCTTAGGCATAGCT	8279
EquusAsinus	GGCCTACTACCCCACTCATTTACCAACAACAACCTATCAATAAACCTTAGGCATAGCC	8275
Ovis	GGCCTCCTACCCCACTCATTTACCAACAACAACCTATCAATAAACCTTAGGCATAGCC	8250
Capra	GGCCTTCTACCCCACTCATTTACCAACAACAACCTATCAATAAACCTTAGGCATAGCT	8242
Bos	GGCCTATTACCCCACTCATTTACCAACAACAACCTATCAATAAACCTTAGGCATAGCC	8241
Sus	GGCCTACTACCACTCATTTACCAACAACAACCTATCAATAAACCTTAGGCATAGCA	8259
Oryctolagus	GGCCTCCTGCTCACTCATTTACCAACAACAACCTAATTTATCAATAAACTTAGGCATAGCA	8271
Lepus	GGCCTCTTACCTCATTTATTTACCAACAACAACCTAATTTATCAATAAACCTTAGGCATAGCT	8263
Homo	GGACTCCTGCCTCACTCATTTACCAACAACAACCTATCTATAAACCTTAGGCATAGCC	8264
Rattus	GGACTCCTGCCTCACTCATTTACCAACAACAACCTATCTATAAACCTTAGGCATAGCC	8218
Mus	GGCCTTTTACCACTATACATTTACCAACAACAACCTATCTATAAACTTAGGCATAGCC	8243
Sciurus	GGTTTACTCCCACTCATTTACCAACAACAACCTATCTATAAACTTAGGCATAGCC	8269
Erinaceus	GGTCTTCTACCTCACTCATTTACCAACAACAACCTTTCAATAAACTTAGGCATAGCA	8261

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Canis	GCGACCACAGCTTTTATCACTTTTATTATTCTAATCCTACTTACGATCCTAGAAATTTGCT	8578
Halichoerus	ACCACTACAGCATTCATTACTTTTCATCGTCCTTATCCTACTCACTATCCTTGAAATTTGCT	8558
Felis	ACCTCTATTGCTTAAACACCTTTACCATTCCTATTTTACTAACAACTCCTTGAAATTTGCC	8568
Equus	CCCTCAACAGCCCTTATTACGTTTATCATCCTAATTTCTACTAATATCCTCGAATTCGCA	8579
EquusAsinus	CCCTCAACAGCCCTTATTACATTCATTATCCTGATTCTACTAACTATCCTCGAATTCGCA	8575
Ovis	ACCACAAACAGCACTCATCACATTCATTATCCTAATTTTACTAACAGTTCTCGAATTCGCA	8550
Capra	CCTACAAACAGCACTCATTACATTCATTATTCTAATTTCTACTAACAAATTTCTCGAATTCGAG	8542
Bos	ACTACAAACAGCTCTAATTACATTCACCATTTCTAATCCTACTAACAAATTTCTAGATTTGCA	8541
Sus	ACTATAACAGCTTTTATCACATTTACTATCCTCATTCCTATTAACATTTCTTGAAATTTGCA	8559
Oryctolagus	CCAACAAACAGCCCTAATTACCTTTTATTATCCTTATTTCTACTAACAAATTTCTAGAAATTCGCC	8571
Lepus	CCAACAAACAGCCCTAATTACTTTTATTATTCTAATTTCTCCTAACAACTCTAGAAATTTGCT	8563
Homo	CTTCCCTCTACACTTATCATCTTCACAATTCTAATTTCTAGTACTATCCTAGAAATTCGCT	8564
Rattus	C A A A C G A A A A A A A T T A A A A A T T A A T T G C	8518
Mus	CCACCAACAGCTACCATTCATGTTTATTTTACTTCTACTCAACAATTTCTAGATTTGCA	8543
Sciurus	ACACCCACTGCAATAATCACATTTATCATTTCTAGTTCTTCTTACAGTCTTGAAATTCGCT	8569
Erinaceus	CCTTCCGTAGCTAATCTACATTAATTTATTTCTTTTATTAACCATTTTAGAAATTTGCA	8561
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Canis	GTGCGCTTAATTCAAGCCTATGTTTTTACCTTACTAGTGAGTCTATACTTACATGACAAC	8638
Halichoerus	GTAGCCCTCATTCAAGCCTATGTTCTTCACTGCTAGTAAGCTTATATCTACATGACAAT	8618
Felis	GTAGCCCTAATCCAAGCCTATGTTTTTACCCTGCTAGTAAGCCTATACCTTACATGATAAC	8628
Equus	GTAGCTATAATCCAAGCCTACGTATTCACTCTCCTGGTAAGCCTTTACTTACAGCACAAC	8639
EquusAsinus	GTAGCCATAATCCAAGCCTATGATTCACTCTCCTAGTAAGTCTCTACCTACAGGATAAC	8635
Ovis	GTGGCTATAATTCAAGCCTATGTTTATTTTACCTTCTAGTTAGCTTATACCTGATGATAAC	8610
Capra	CTCGGTACCCGGGAAGCCTACGTATTTACTCTCCTAGTCAGCCTATACCTGACGACAAC	8602
Bos	GTAGCTATAATCCAAGCCTATGTTTCACTCTCCTAGTCAGCCTATATCTGCAATGACAAC	8601
Sus	GTAGCTCTGATCCAAGCTTATGTTTACCTGCTAGTAAGCTTATACCTACAGCAAT	8619
Oryctolagus	GTAGCCTTGATCCAAGCTTACGTCTTTTACTCTCCTTGTAAAGCCTATACCTACATGACAAT	8631
Lepus	GTGGCCCTAATTCAAGCCTACGTTTTTACCCTTCTTGTAAAGCCTATATCTACATGATAAT	8623
Homo	GTGCGCTTAATCCAAGCCTACGTTTTCACTTCTAGTAAGCCTCTACCTGACGACAAC	8624
Rattus	GTAGCCTTAATTCAAGCCTACGTATTTACCTTCTACTACAGCCTTACCTAATCAATAA	8578
Mus	GTAGCATTAAATCAAGCCTACGTATTACCTTCTAGTAAGCCTATATCTACATGATAAT	8603
Sciurus	GTGCTTTAATCCAAGCATACGTATTTTACTCTCCTTGTAGCCTGTATCTACAGACAAC	8629
Erinaceus	GTAGCCCTCATTCAAGCATACGTCTTCACTTTTAGTTAGCCTTTATTTA AGCAAA	8621
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COX3

Canis	ACCTAATGACCCACCAAACCTCACGCTTACCACATAGTCAACCCAAAGCCCATGACCGCTGA	8698
Halichoerus	ACCTAATGACCCACCAAACCCATGCATACCACATAGTCAACCCAGCTCCATGACCCCTAA	8678
Felis	ACCTAATGACCCACCAAACCCATGCATACCACATAGTCAACCCAGCTCCATGACCCCTAA	8688
Equus	ACCTAATGACCCACCAAACCCACGCTTACCACATAGTAAACCCAGCCCATGACCACTTA	8699
EquusAsinus	ACCTAATGACCCACCAAACCCACGCTTACCACATAGTAAACCCAGCCCATGACCACTTA	8695
Ovis	ACATAATGACACACCAAACCCACGCTTATCAATAGTAAACCCAAAGCCCTGACCTCTCA	8670
Capra	ACATAATGACACACCAAACCCATGCTTATCAATAGTAAATCCAAGCCCTGACCCCTCA	8662
Bos	ACATAATGACACACCAAACCTCATGCTTATCATATAGTAAACCCAAAGCCCTGACCTCTTA	8661
Sus	ACATAATGACACACCAAACCATGCATACCACATAGTAAACCCAAAGCCCTGACCACTTA	8679
Oryctolagus	ACCTAATGACACACCAAACCTCACGCTTACCATATAGTCAACCCAAAGCCCTGACCACTTA	8691
Lepus	ACTTAATGACCCACCAAACCCACGCTTATCATATAGTTAAACCCAAAGTCCATGACCACTTA	8683
Homo	ACATAATGACCCACCAATCACATGCCTATCATATAGTAAACCCAGCCCATGACCCCTAA	8684
Rattus	A A A T G A C C C A C C A A C C C A T G C A T A C C A T A G T A A C C C A A G C C C A T G A C C A T T A	8638
Mus	ACATAATGACCCACCAAACCTCATGCATACCACATAGTTAATCCAAGTCCATGACCACTTA	8663
Sciurus	ACCTAATGACCCACCAAACCATGCATACCATATAGTCAACCCAAAGTCTTGAACCTTAA	8689
Erinaceus	ACATAATGACCCACCAAACCTCATGCATACCACATAGTTAATCCAAGTCCATGACCACTTA	8681
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Canis	CAGGGGCCCTTTCTGCCCTCCTTATAACATCGGGTCTTATCATATGATTTCACTATAAAT	8758
Halichoerus	CAGGAGCCCTCTCAGCCCTTCTCATGACATCCGGCCTAATTATGTGATTCACCTTTAACT	8738
Felis	CAGGAGCCCTTTTACGCCCTCTTATAACCTCAGGCCCTGGCTATATGATTTCACTACAAT	8748
Equus	CAGGAGCCCTATCAGCCCTCCTGATAACATCAGGACTAGCCATGTGATTTCACTTTAACT	8759
EquusAsinus	CAGGAGCCCTATCAGCCCTCCTAATAACATCAGGATTAGCCATGTGATTTCACTTTAACT	8755
Ovis	CAGGAGCACTATCTGCCCTCCTAATAACATCTGGTCTCATCATATGATTTCACTTTCACT	8730
Capra	CAGGGGCACTATCCGCTCTCCTAATAACATCCGGCCTCATCATATGATTTCACTTTCACT	8722
Bos	CAGGAGCTTTGTCTGCCCTCTTATAACATCCGGCCTAACCATGTGATTTCACTTTAACT	8721
Sus	CCGGAGCCCTATCAGCCCTTTTATAACATCAGGCCTAACTATATGATTTCACTTTAACT	8739
Oryctolagus	CCGGAGCCCTATCTGCCCTCTTATGACATCAGGCCTAGCCATATGATTTCACTTTAACT	8751
Lepus	CCGGGGCCCTTATCCGCCCTACTATAACATCAGGCCTAGCCATATGATTTCACTTTAACT	8743
Homo	CAGGGGCCCTCTCAGCCCTCCTAATGACCTCCGGCCTAGCCATGTGATTTCACTTTCACT	8744
Rattus	CAGGAGCCCTATCAGCCCTCTTACTACATCCGGCCTTACTAATATGATTTCACTTTAACT	8698
Mus	CTGGAGCCCTTTTACGCCCTCCTTCTAATCATCAGGTCTAGTAATATGATTTCACTATAAAT	8723
Sciurus	CCGGAGCACTATCAGCCCTCTTATAACATCAGGCCTAATTATATGATTTCACTTTAACT	8749
Erinaceus	CAGGAGCCCTATCTGCCCTATTAAATCTTCAAGGACTAATAATATGATTTCACTTTAACT	8741
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Canis	CAATAGCCCTACTTACATTAGGATTACAACCAACCTGTTAACCATATGCCAGTGATGAC	8818
Halichoerus	CAATATACCTACTAATGCTAGGCCTCACTACCAACACCTGACTATATACCAATGATGAC	8798
Felis	TAACTGCTGTTAAACCTTGGATAAATACTACCAACTTACTAACTATATATCAATGATGAC	8808
Equus	CAACCTTACTTCTAGCTATAGGGCTATTAACTAACATCCTTACCATATATCAATGATGAC	8819
EquusAsinus	CAACCTTACTTCTAGCTGCTGGGACTATTAAACCAACATCCTTACCATATATCAATGATGAC	8815
Ovis	CAACAGCTCTACTAACTCTGGGCCTAACCAACAAATATACTTACAATATACCAGTGATGAC	8790
Capra	CAACCGCCCTACTAACCTAGGTCTAACAAACAAATGCTTACAATATACCAATGATGAC	8782
Bos	CAATGACCTGCTAATAATTGGCCTAACCAACAAATATACTAACCAATATACCAATGATGAC	8781
Sus	CTATACTCTTACTATCTCTAGGCTATTAACCAATATCCTTGCTATACCAATGGTGAC	8799
Oryctolagus	CCCCCTCACTTCTATTAAATCGGCTTAGTAACCAACACTCTACCATATACCAATGATGAC	8811
Lepus	CCCCCTCACTTCTTCTAATTGGCTTGTACCAACCACTCTCATATATCCGATGATGAC	8803
Homo	CCATAACGCTCCTCATACTAGGCCTACTAACCAACACACTAACCATATACCAATGGTGGC	8804
Rattus	CTACCAATTCTCTATCTTAGGCCTCTGCAACATCTCTAACTATATATCAATGATGAC	8758
Mus	CAATTACACTATTAAACCTTTGGCTGCTCACCATATCCTCACAATATATCAATGATGAC	8783
Sciurus	CTAGCCCTTTACTAATACTTGGATAATAAATACTAACATATACTAACTATATATCAATGATGAC	8809
Erinaceus	CAATTTCTCTTCTAGTCTAGGCCTAATCACTAATATTCTTACCATATTTCAATGATGAC	8801

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Canis	GAGATGTGATCCGAGAAAGGCACATTCCAAGGACATCATACCCCTATTGTACAAAAGGAC	8878
Halichoerus	GAGATATTGTCCGAGAAAGTACATTCCAAGGTACCATACTCCAATTGTCCAAAAGGCT	8858
Felis	GAGACATTATCCGAGAAAGCACAATTCCAAGGCCATCATACCTATATCAAAAAGGCC	8868
Equus	GAGACATCATCCGAGAAAGGCACATTCCAAGGCCATCACACATCAATCGTTCAAAAAGGAC	8879
EquusAsinus	GAGACATCATCCGAGAAAGGCACATTCCAAGGCCATCACACATCAATCGTTCAAAAAGGCC	8875
Ovis	GAGATGTGATTGAGAAAGCACCCTTCCAAGGCCACCATACTCCGGCTGTCCAAAAGGCC	8850
Capra	GAGATGTGATTGAGAAAGTACCTTCCAAGGTACCATACTCCAGCCGTTCAAAAAGGCC	8842
Bos	GAGATGTTATCCGAGAAAGCACCCTTCCAAGGCCACCATACCCCAGCTGTCCAAAAGGCC	8841
Sus	GAGACATTATTCGAGAAAGCACCCTTCCAAGGCCACCACACATCAAGTTGTCCAAAAGGCT	8859
Oryctolagus	GAGACATTGTACGAGAAAGTACATTCCAAGGCCACCATACTCCTATTGTACAAAAGGTC	8871
Lepus	GAGATATTGTACGAGAAAGGCACATTCCAAGGCCACCATACTCCTATTGTTCAAAAGGTT	8863
Homo	GCGATGTAACACGAGAAAGCACAACCAAGGCCACCACACACCACTTGTCCAAAAGGCC	8864
Rattus	GAGATATCATCCGTGAAGGAACATACCAAGGCCACCACACCCCTATTGTACAAAAGGCC	8818
Mus	GAGACGTAAATTCGTGAAGGAACCTACCAAGGCCACCACACTCCTATTGTACAAAAGGAC	8843
Sciurus	GAGATATTATCCGTGAAGGAACATTCCAAGGTATCATCAACAATTTGTTCAAAAGGTC	8869
Erinaceus	GAGATATTATTCGTGAAGGAACATTTCAAGGTATCATACTCCTATTGTTCAAAAGGTC	8861

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Canis	TACGATACGGAATAGTTCTTTTTATCGTATCAGAAGTATTTTCTTTGCGAGGCTTCTTCT	8938
Halichoerus	TACGATATGGTATGATCCTCTTTATCGTATCAGAAGTATTTCTTCTCGCTGGTTTTTTCT	8918
Felis	TTCGATACGGAATAATCCTCTTTATCTCATCTCAGAAGTATTTCTTTTTCGCGAGGCTTCTTCT	8928
Equus	TCCGATATGGCATAATCTCTTTTATTATCTCAGAAGTCTTCTTCTTCTGCTGGCTTCTTCT	8939
EquusAsinus	TCCGATATGGTATAATCCTTTTTCATCATCTCAGAAGTCTTCTTCTTCTGCTGGCTTCTTCT	8935
Ovis	TTCCGTTTCGGAATGATTCTTTTCAATATCTCCGAAGTTCTATTCTTTTACTGGATTTTCT	8910
Capra	TTCCGTTATGGAATAATCTTTTATCATTTTCCGAAGTTTATTTCTTTTACTGGGTTTCT	8902
Bos	TCCGTTATGGAATAATCTTTTATTTATCTCCGAAGTACTATTCTTTTACCGGATTTTCT	8901
Sus	TACGATACGGTATAATTTTATTTATTTATTTCCGAAGTTCTGTTCTTCTACTGGATTTCTTT	8919
Oryctolagus	TACGATATGGCATAATTTCTTTTATCATCTCTCAGAAGTATTTCTTTTTCGCGGCTTCTTCT	8931
Lepus	TACGATATGGAATAATCCTATTATTATTGTTTCAGAAGTCTTTTCTTTTTCGAGGTTCTTCT	8923
Homo	TTCGATACGGGATAATCCTATTATTACCTCAGAAGTTTTTTTCTTTCGAGGATTTTCT	8924
Rattus	TTCCGTTACGGAAATATCTCTTTTATTTGCTCTCCGAAGTATCTTCTTTTCCGGAATTTCT	8878
Mus	TACGATACGGTATAATCCTATTCTATCTCTCAGAAGTATTTCTTCTTTTTCGAGGATTTCTTCT	8903
Sciurus	TTCGATATGGTATAATTTTATTTATTTGATATCAGAAGTTTCTTTTTCGCGGCTTCTTCT	8929
Erinaceus	TACGTTATGGTATGATTCTATTATTATCTCTCAGAAGTGCTATTTTTCACAGGATTTCTTCT	8921

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Canis	GAGCCTTTTACCCTCCAGCCTAGCCCTACTCCTGAACCTGGGGGTTGCTGACCTCCTA	8998
Halichoerus	GAGCCTTTTACCCTCCAGCCTAGCAGCCACCCCGAGCTGGGAGGATGCTGACCAACCA	8978
Felis	GGGCTTCTACCACTCAAGCCTAGCCCCAACCCCGAGCTAGGAGGATGCTGACCAACCA	8988
Equus	GAGCCTTTTACCCTCAAGCCTAGCCCCAACCCGAACCTAGGCGGCTGCTGACCAACCA	8999
EquusAsinus	GAGCTTCTACCACTCAAGCCTAGCTCCTACCCGAACCTAGGCGGCTGCTGACCAACCA	8995
Ovis	GAGCCTTCTACCACTCAAGCCTTGCCCCACACCCGAACCTAGGCGGCTGCTGACCTCCAA	8970
Capra	GAGCTTCTATCACTCGAGCCTTGCCCCACACCCGAATTAGGCGGCTGCTGACCTCCAA	8962
Bos	GAGCTTCTACCACTCAAGCCTTGCCCCACCCCTGAACCTAGGCGGCTGCTGACCTCCAA	8961
Sus	GAGCTTCTACCACTCAAGCCTAGCAGCAACACCCGAATTAGGAGGTTGCTGACCAACCA	8979
Oryctolagus	GAGCCTTCTACCACTCAAGCCTAGCTCCTACCCAGAACTAGGAGGATGCTGACCTCCAA	8991
Lepus	GAGCTTCTACCACTCAAGCCTAGCTCCACGCCAGAACTAGGGGGCTGCTGGCCTCCTA	8983
Homo	GAGCCTTTTACCCTCCAGCCTAGCCCTACCCCCAACTAGGAGGGCACTGGCCCCCA	8984
Rattus	GAGCCTTTTACCACTCCAGCCTAGCTCCTACCCAGAACTAGGCGGCTGCTGACCTCCAA	8938
Mus	GAGCGTTCTATCATTTAGCCTCGTACCAACACATGATCTAGGAGGCTGCTGACCTCCAA	8963
Sciurus	GAGCCTTTTACCATTCAAGTCTAGCCCTACTCCAGAAATTAGGAGGATGTTGACCTCCAG	8989
Erinaceus	GAGCATTATCACTCTAGTTTAGTTCTACACAGAAATTAGTGCTGCTGACCTCCCA	8980

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Canis	CCGGCATTATTCTCTTAACCCATTAGAAG-TGCCTCTACTCAACACCTCAGTCCTCCTA	9057
Halichoerus	CAGGTATCACCCCTCTAAACCTTATAGAAG-TCCCCTTCTAAATACCTTCTGTCTCTTA	9037
Felis	CAGGCATTATTTCCCTGAACCCCTGGAAG-TTCCACTACTTAATACCTCCGTGCTTCTA	9047
Equus	CAGGTATCCACCCCTTAAACCCCTAGAAG-TCCCCTTACTCAACACCTCAGTGCTCCTA	9058
EquusAsinus	CAGGTATCCACCCCTTAAACCCCTAGAAG-TCCCCTTACTCAATACCTCAGTGCTCCTA	9054
Ovis	CAGGCATTACCCACTTAATCCCTTAGAAG-TCCCCTACTCAACACCTCTGTCTCTTA	9029
Capra	CAGGCATTACCCACTTAATCCCTAGAAG-TCCCCTACTTAATACCTTCCGTCTCTTA	9021
Bos	CAGGCATTACCCACTTAACCCCTAGAAG-TCCCCTGCTCAACACCTCTGTCTCTTA	9020
Sus	CAGGAATTACCCACTTAACCCCTAGAAG-TACCCCTACTAAACACCTCAATCCTCTCTC	9038
Oryctolagus	CAGGCATCAACCCCTTAAATCCCTTAGAAG-TGCCGCTACTAAACACCTCAGTCCTCTCTG	9050
Lepus	CAGGTATTAAACCTCTTAACCCCTTAGAAG-TTCCCCTACTTAACACCTCAGTCCTCTTA	9042
Homo	CAGGCATCACCCCGCTAAATCCCTAGAAG-TCCCCTCCTAAACACATCCGTATTACTC	9043
Rattus	CAGGAATCACCCCTTAAATCCCTAGAAG-TACCCCTCTAAATACATCAGTCCTCTTA	8997
Mus	CAGGAATTTCAACCACTTAACCCCTAGAAG-TCCCCTACTTAATACATCAGTCCTCTTA	9022
Sciurus	TAGGAATCAACCCCTTAAACCACTAGAAG-TTCCCCTACTTAATACCTCCGTCTCTCTT	9048
Erinaceus	CAGGAATTAAACCACTTAACCACTTAGAGTTCCCTTACTCAATACAGCTGTACTTCTA	9040
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Canis	GCCTCCGGAGTATCTATTACTTGAGCCCATCATAGTTTAATAGAAGGTAAATCGCAAAACAT	9117
Halichoerus	GCATCAGGAGTATCAATTACTTGAGCTCACCATAGCCTAATAGAAGGAAACCGCAAGCAC	9097
Felis	GCCTCCGGAGTATCAATCACCTGAGCTCACCACAGTTTGATGAGGAAATCGTAAACAT	9107
Equus	GCATCTGGAGTCTCTATCACCTGAGCCACCATAGCCTAATAGAAGGAAACCGTAAAAAT	9118
EquusAsinus	GCATCAGGAGTCTCCATCACCTGAGCCACCATAGCCTGATAGAAGGAAACCGTAAAAAC	9114
Ovis	GCCTCAGGAGTATCCATTACTTGAGCTCACCATAGCCTCATAGAAGGAAACCGTAAACAT	9089
Capra	GCCTCAGGAGTTTCCATCACCTGAGCTCACCATAGCCTTATGGAAGGAGACCGTAACCCAC	9081
Bos	GCTTCCGGAGTTTCTATTACCTGAGCCCATCATAGTTTAATAGAAGGGGACCGAAAGCAT	9080
Sus	GCCTCAGGAGTATCCATTACCTGAGCCCATCAGCCTAATAGAAGGGGACCGAAAGCAT	9098
Oryctolagus	GCTTCAGGAGTCTCAATCACCTGGGCCACCACAGTTTAATAGAAGGCAATCGCAAAACAT	9110
Lepus	GCCTCAGGAGTCTCAATTACCTGAGCTCACCATAGCTTAATAGAAGGAAATCGTAAAAAC	9102
Homo	GCATCAGGAGTATCAATCACCTGAGCTCACCATAGTCTAATAGAAGGCAACCGTAAACCAA	9103
Rattus	GCATCAGGAGTCTCAATTACATGAGGCCATCAGGCTAATAGAAGGCAACCGTAAACCAA	9057
Mus	GCATCAGGTGTTTCAATTACATGAGCTCATCATAGCCTTATAGAAGGTAAACGAAATCAT	9082
Sciurus	GCTTCAGGAGTTTCAATCACTTGAGCCCATCATAGCTTAATAGAAGGCAACCGTAAAGCAA	9108
Erinaceus	GCTTCAGGTGTATCAGTGACATGAGCTCACCACAGCATCCTTGAAAAAGACCGTATTAAAT	9100
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Canis	ATACTTCAAGCCTTATTCATTACAATCTCCTTAGGCGTATATTTTACGCTATTACAGGCC	9177
Halichoerus	ATACTTCAAGCACTATTCATTACCATCTCTTAGGCGTCTACTTCACATTACTACAAGCC	9157
Felis	ATGCTTCAAGCACTATTTATTACAATCTCTTAGGGGTCTACTTTACACTCTCTCCAGGCC	9167
Equus	ATGCTCCAAGGCCTATTCATTACATCTCTTAGGCGTATATCTTACCTCTCTCCAGGCC	9178
EquusAsinus	ATGCTCCAAGGCCTATTTATCAATCTCTTAGGCGTGTACTTCATCTCTCTCAAGGCC	9174
Ovis	ATGTTACAAGCCCTATTCATTACCATCGCACTAGGCGTGTACTTTACACTGTTACAGGCA	9149
Capra	ATACTACAAGCCTTATTCATTACCTTATACCTAGGCTTATACCTTCACTTATCAAGCA	9141
Bos	ATATTACAAGCCCTATTTATCACCATCACATAGGAGTCTACTTCACACTACTACAAGCC	9140
Sus	ATAATCCAAGCACTATCCATCACCATTTGCACTAGGCGTATACTTCACCTCTCTCCAGGCC	9158
Oryctolagus	ATACAGCAAGCCTTAGCCATTACCTTCTCTAGGTATCTATTTTACCTTCACTTCAAGCA	9170
Lepus	ATGCAAACAAGCCTTAGCAATCACTATTTCTCTAGGTATTTACTTCACCTTACTTCAAGCA	9162
Homo	ATAATTCAAGCACTGCTTATTACAATTTTACTGGGTCTCTATTTTACCCTCTTACAAGCC	9163
Rattus	ATAAAACAAGCCTTACTAATACCATCTCTTAGGATATATTTTCACTTATCAAGCC	9117
Mus	ATAAATCAAGCCTTACTAATTACCATTTACTAGGACTTTACTTCACCATCTCTCCAGGCC	9142
Sciurus	ATACTCCAAGCACTAGCTATTACAATTTGCACTTGGCTCTATTTTACTACTCTCAAGCA	9168
Erinaceus	GCTATCCAAGCTTTAATTGTTACAATTAGCCTAGGCTTATATTTTACTCTGCTTCAAAAT	9160
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Canis	TCCGAATACTATGAGACATCTTTTACAATCTCCGATGGGGTATACGGATCTACCTTTTTT	9237
Halichoerus	TCAGAATACTACGAGACTCCTTTTCAATTTCCGACGGAATTTACGGCTCTACCTCTTCTC	9217
Felis	TCCGAATACTATGAAACATCATTCACGATCTCGGACGGAGTATACGGATCTACCTTCTTC	9227
Equus	TCAGAATACTATGAAGCCTCATTTACTATTTTCAATGAGTATACGGATCAACATTTTTT	9238
EquusAsinus	TCAGAATACTACGAAGCTTCATTTACTATTTTCAATGAGTATACGGATCGACATTTTTT	9234
Ovis	TCAGAGTATTATGAAGCACCTTTTACAATCTCAGACGGAGTTTACGGTTCAACTTTCTTC	9209
Capra	TCAGAATATTATGAAGCACCTTTTACAATTTTCAAGAGTCTACGGTTCAACTTTCTTC	9201
Bos	TCAGAATACTATGAAGCACCTTTTACTATCTCCGACGGAGTTTACGGCTCAACTTTTTT	9200
Sus	TCAGAATATTACGAAGCACCTTTTACAATCTCCGACGGAGTGTATGGATCCACTTTCTTC	9218
Oryctolagus	TCGGAGTATTACGAAGACCTTTTACTATTTTCAATGAGTCTACGGATCAACATTTCTTC	9230
Lepus	TCAGAATACTATGAAGCATCTTTACTATCTCAGATGAGTTTATGGCTCAACATTTCTTC	9222
Homo	TCAGAGTACTTCGAGTCTCCCTTACCATTTCGACGGCATCTACGGCTCAACATTTTTT	9223
Rattus	TCAGAGTACTTCGAAACATCTTCTCTTACTTCTCAGACGGATTTACGGCTCAACATTTCTTC	9177
Mus	TCAGAATACTTTGAAACATCTTCTCTCATTCTGATGGTATCTATGGATCTACATTTCTTC	9202
Sciurus	TCCGAATACTTGAAGACATCATTCACCATCTCCGATGGAATCTATGGCTCTACATTTTTT	9228
Erinaceus	ATAGAATATTATGAATCCCCCTTTACAATCGCTGACAGTGTCTATGGTTCTACATTTCTTC	9220
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Canis	ATAGCCACTGGATTTCACGGATTACACGTAATTATTGGCTCTACATTCTCTACGTTGTGC	9297
Halichoerus	ATGGCACAGGATTCCATGGATCGCATCATCGGTTCACTTTTCTAAATGTATGC	9277
Felis	ATGGCCACAGGATTCCATGGGTACATGTAATTATTGGCTCTACTTTCTAAATGTATGC	9287
Equus	GTAGCAACAGGGTTCCACGGACTACACGTAATTATCGGATCTACCTTCTCTATTGTATGT	9298
EquusAsinus	GTAGCAACAGGGATTTCACGGACTACACGTAATCATCGGATCCACCTTCTTAATGTATGC	9294
Ovis	GTAGCTACAGGATTTCACGGCTCCATGTCATCATCGGATCCACCTTCTCTAAATGTCTGC	9269
Capra	GTAGCCACAGGATTCCACGGCTCTTATGTTATCATCGGATCTACCTTTTGTATTGTCTGC	9261
Bos	GTAGCCACAGGCTTCCACGGCTCCACGTCATCATTTGGGTCCACCTTCTTAATGTCTGC	9260
Sus	GTGGCTACAGGGTTTCACGGGTTCACGTAATCATCGGATCTACTTTCTAGCAGTATGC	9278
Oryctolagus	ATAGCCACAGGATTTCACGGCTCTTACGTCATCATTTGGGTCCACTTTTCTTACGGTCTGC	9290
Lepus	ATAGCCACAGGATTTCATGGCTCCACGTAATTATTGGTTCTACTTTCTTACAGTTTGC	9282
Homo	GTAGCCACAGGCTTCCACGGACTTCACGTCATATTATTGGCTCAACTTTCTCTACTATCTGC	9283
Rattus	ATAGCAACAGGGATTTCATGGCTCCACGTAATTATTGGCTCAACTTTCTCTAAATGTCTGC	9237
Mus	ATGGCTACTGGATTCCATGGATCCATGTAATTATTGGATCGACCTGCTTAATGTCTGC	9262
Sciurus	ATAGCAACAGGATTTCACGGACTTCACGTAATTATTGGATCTACATTCTCTAGTTTGC	9288
Erinaceus	ATAGCCACAGGATTCCACGGATTCCACGTAATTATTGGATCATCTTTCTTTTATCTGC	9280

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Canis	TTCTCTCCGACAGCTATACTACCACTTTCACATCAAACCACCACTTCGGATTGTAAGCCGCT	9357
Halichoerus	TTCATACGACAGCTAAAAATTCACCTTCACATCTAACCACCACTTCGGCTTTGAAGCTGCC	9337
Felis	TTCTTACGCCAATTAAAAATATCATCTTACATCAAATCAACCACTTCGGATTGTAAGCCGCC	9347
Equus	TTCTTACGCCAATAAAAATTCACCTTACATCCAGCCACCACTTCGGATTGTAAGCAGCC	9358
EquusAsinus	TTCTTACGCCAATAAAAATTCACCTTACATCCAGTCACCACTTCGGATTGTAAGCAGCC	9354
Ovis	TTCTTCCGCCAATAAAAATTCACCTTACCTCTAGTCACCACTTCGGCTTCTGATGTCTGC	9329
Capra	TTTTTCCGTCAACTAAAAATTCACCTTACCTCTAATCATCACTTCGGTTTCGAAGCTGCT	9321
Bos	TTCTTCCGCCAATAAAAATTCACCTTACTTCTAACCACCACTTCGGCTTTGAAGCCGCT	9320
Sus	TTACTACGACAACTAAAAATTCACCTTACATCCAAACCACCACTTCGGCTTGAAGCCGCA	9338
Oryctolagus	CTTCTACGACAAATTTAACTTTTCACTTACATCGAACCACCACTTTGGTTTGAAGCAGCC	9350
Lepus	CTTTTACGGCAGCTCCACTTTTCACTTACATCAAGTCATCACTTTGGTTTGAAGCAGCC	9342
Homo	TTATCCGCCAATTAATTTTCACTTACATCCAAACATCACTTTGGCTTCGAAGCCGCC	9343
Rattus	CTACTACGACAACTAAAAATTCACCTTACATCAAACATCACTTCGGATTGTAAGCCGCA	9297
Mus	CTACTACGTCAAATTAATTTTCACTTACATCCAAACCATCACTTCGGCTTGAAGCCGCA	9322
Sciurus	CTAATACGCCAATTAATTTTCACTTACATCTAATCAACCACTTCGGATTGTAAGCTGCA	9348
Erinaceus	CTAATACGCCAATTAATTTTCACTTACATCTAATCAACCACTTCGGATTGTAAGCTGCA	9340

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Canis	GCATGATATTGACACTTTGTTGATGTAGTCTGGCTATTCTTGATGTATCTATTTATTGA	9417
Halichoerus	GCCTGATACTGACATTTTCGTAGACGTAGTATGACTGTCTCTATACGTATCCATCTATTGA	9397
Felis	GCCTGATACTGACACTTTCGTAGACGTAGTTTGACTATTCCTATACGTTTCTATTTATTGA	9407
Equus	GCTTGATACTGACACTTTCGTAGACGTAGTCTGACTATCTTGATGATCTATTTATTGA	9418
EquusAsinus	GCTTGATACTGACACTTTCGTAGACGTAGTTTGACTATCTCTATATGTCTCTATCTATTGA	9414
Ovis	GCCTGATACTGACACTTTCGTAGATGTAGTATGACTTTTCTCTATATATCCATCTACTGA	9389
Capra	GCCTGATACTGACACTTTCGTAGATGTAGTATGACTTTTCTCTATATGATCCATCTATTGA	9381
Bos	GCCTGATACTGACATTTTCGTAGACGTAGTCTGACTTTTCTCTATATGTTCTATCTATTGA	9380
Sus	GCCTGATACTGACACTTTCGTAGATGTAGTTTGACTATTCCTTTACGTATCAATCTATTGA	9398
Oryctolagus	GCATGATACTGACACTTTCGTAGATGTAGTCTGACTATTCCTATATGATCAATCTATTGA	9410
Lepus	GCATGATATTGGCACTTTGTAGATGTTGTCTGACTATTCCTGTATGTATCAATTTATTGA	9402
Homo	GCCTGATACTGGCATTTTGTAGATGTGGTTTGACTATTTCTGTATGTCTCCATCTATTGA	9403
Rattus	GCATGATACTGACACTTTCGTAGATGTAGTCTGACTATTCCTATACGTTTCTATCTATTGA	9357
Mus	GCATGATACTGACATTTTGTAGACGTAGTCTGACTTTTCTCTATACGTCTCCATTTATTGA	9382
Sciurus	GCTTGATACTGACATTTTCGTAGACGTAGTCTGACTCTTCTGTATGTTTCAATCTATTGA	9408
Erinaceus	GCTTGATATTGACACTTTGTAGATGTAGTTTGATTATTTCTTTACGTTTCTATTTACTGA	9400

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tRNA-Gly

Canis	TGAGGATCCTATTTCCTTTAGTAT-AAC---TAGTACAATTGACTTCCAATCAGTTAGCT	9472
Halichoerus	TGAGGATC-TGCTTCCTTAGTAT-AAT---TAGTATAGTTGACTTCCAATCAACCAGCT	9451
Felis	TGAGGATCCTATTTCCTTTAGTATTAAT---AAGTACAGTTGACTTCCAATCAACCAGTT	9463
Equus	TGAGGATCCTATTTCCTTTAGTATTGAC---CAGTACAATTGACTTCCAATCAATCAGCT	9474
EquusAsinus	TGAGGATCCTATTTCCTTTAGTATTGAC---CAGTACAATTGACTTCCAATCAATCAGCT	9470
Ovis	TGAGGCTCATGTCCTTTTAGTATTAAT---TAGTACAAGTACTTCCAATCAGTTAGTT	9445
Capra	TGAGGCTCATGTCCTTTTAGTATTAAT---CAGTACAAGTACTTCCAATCAGTTAGTT	9437
Bos	TGAGGCTCCTATTTCCTTTAGTATTAAC---TAGTACAGCTGACTTCCAATCAGCTAGTT	9436
Sus	TGAGGATCCTACTCTTTTAGTATTAAG---CAGTACAATTGACTTCCAATCAATCAGTT	9454
Oryctolagus	TGAGGCTCATACTCTTTTAGTATTAAC---TAGTACAGCTGACTTCCAATCAGTTAGTT	9466
Lepus	TGAGGATCATACTCTTTTAGTATTAAC---TAGTACATCTGACTTCCAATCAGTTAGTT	9458
Homo	TGAGGCTTACTCTTTTAGTAT-AAA---TAGTACCGTTAACTTCCAATTAATCAGTT	9458
Rattus	TGAGGATCCTACTCTCTTTAGTAT-AAA---CAATACAAGTACTTCCAATCAGTTAATT	9412
Mus	TGAGGATCCTACTCTCTTTAGTAT-AAT---TAATATAAGTACTTCCAATTAGTATGAT	9437
Sciurus	TGAGGTCATACTCTCTTAGTATCAAT---TAGTACAGCTGACTTCCAATCAGTACGTC	9464
Erinaceus	TGAGGATCATACTCTTTTAGTATGCACACCAATTTGTACAATTGACTTCCAATCAATTAGAC	9460

ND3

Canis	CCAGATCAA-CCTGGAAGAGTAATAAACGTTATATTAACCTTGTAACTAAATGTAACC	9531
Halichoerus	CTGGTTAAA-TCCAGAAAGAGCAATAAACATAGCATTAAACCCATTATACCAACACAGCC	9510
Felis	TCCGTTATAA-CCCGAAAAGGAATAATAATGTAACTCTGCTTACTTACCAATACACTC	9522
Equus	TCCGTTATAA-CCCGAAAAGGAATAATAAACCTCATACTGACACTCCTCACTAACACATTA	9533
EquusAsinus	TCCGTTATAATCCCGAAAAGGAATAATAATCTCATACTAACACTCCTCACCATAACATTA	9530
Ovis	TCCGTTCTAA-TCCGAAAAGAACATAAACCTTATAATTACTCTCCTAACTAACTTCACG	9504
Capra	TCCGTTACAA-TCCGAAAAGAACATAAACCTCATAATTACTCTCCTCACTAAATTTTACA	9496
Bos	TCCGTTCTAG-TCCGAAAAGGAATAATAATTTTAACTAGCCCTCCTGACCAATTTTACA	9495
Sus	TCCGTTAAAC-TCCGAAAAGAGTAATAATAATTTATACCTAACACTACTCACAACCGTAACC	9513
Oryctolagus	TTGGCTCCAAACCCAAAAAGAGTAATAAACCTGATACCTAGTTCTATTAAATTAACACCAAC	9526
Lepus	TTGGTTATAAATCCAAAAAGAGTAATTAACCTCATCTAGTTTACTAATTAATATAACT	9518
Homo	TTGACAACA-TTCAAAAAGAGTAATAAACTTCGCCTTAATTTTAAATTAACAACCCCTC	9517
Rattus	CTGAAAAA-CTCAGAAAGAGTAAATTAACCTACCCATTATCATCACAAATTAACATCAC	9471
Mus	CTGAAGAAA-CCCAGAAAGAGTAATTAACCTGTACACTGTTATCTTTCATTAATATTTTA	9496
Sciurus	CTAGTATAA-TCTAGGGGGAAGTAATAAACTTACTAAACACCTTCTCATCAACATTTCA	9523
Erinaceus	TCGATATTTTTTCGAGAAAGGGTAATAAAGCTTTAATAATATAATTTTACAAATACCACC	9520
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Canis	CTAGCATCCTTACTTGTACTAATCGCATTTCTGACTTCCCCAGCTAAATATCTATACAGAC	9591
Halichoerus	CTAGCCTCTCTACTCGTACTAATTGCAATTCTGACTCCCTCAGCTAAATACATACTCAGAA	9570
Felis	CTGTCCACACTACTTGTACTCATCGCATTTCTGATTACCCCACTAAACATCTATGCAGAA	9582
Equus	CTAGCCTCGCTACTCGTACTCATCGCATTTCTGACTACCACAACTAAACATCTATGCAGAA	9593
EquusAsinus	CTAGCCTCGCTACTCGTACTCATCGCATTTCTGATTACCAAACTAAACATCTATGCAGAA	9590
Ovis	CTAGCTACATTACTCGTAACCATCGCATTTCTGACTTCCCCAACTGAAAGTGTATTTCAGAA	9564
Capra	CTAGCTACATTACTCGTAACCATCGCATTTTGAATCCCCAACTAAACGTTTACTCAGAA	9556
Bos	CTAGCCACCTTACTCGTACTCATCGCATTTCTGACTTCCCCAACTAAATGTATCTCTGAG	9555
Sus	CTAGCCTCCCTACTCGTACTAATCGCATTTCTGACTACCCCACTAAACGCATATTTCAGAA	9573
Oryctolagus	ATTTCCCTTAGTCCTAGTTACAATTGCAATTTCTGACTCCCTCAATTAATATCTATTTCAGAA	9586
Lepus	ATTTCCCTAATCTGCTGACCATTTTGAATTTTGAATTTCCCACTAAATGTATCTTCAGAA	9578
Homo	CTAGCCTTACTACTAATAATTTATACATTTTGAATCCCACTCAACGGCTACATAGAA	9577
Rattus	TTATCCTTTATCCTCATTTCAATTGCAATTTCTGATTGCCTCAATAAACTTATACTCCGAA	9531
Mus	TTATCCTTAGCCTGATTTCTGATTTCTGACTTCCCCAACTAAATGTATCTTCAGAA	9556
Sciurus	ATCTCCCTAATTTTAGTACTAGTCGCATTTTGAATACCTCAAAACAAATTTTATTCAGAA	9583
Erinaceus	TTGGCCATTATATTAGTAATTTATCGCTTTTTATTGACCTCAACTAAATGCACATGTAGAA	9580
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Canis	AAGACAAGCCCCCTACGAATGTGGTTTTGACCCCATGGGATCTGCTCGCTACCTTTCTCT	9651
Halichoerus	AAAGTCAGCCCCCTACGAATGTGGATTTGACCCCATAGGATCAGCAGCCCTACCTTTCTCC	9630
Felis	AAAGCAAGCCCCCTAGTGCGGATTTGATCCATAGGGTCCGCCCGCTACCTTTCTCC	9642
Equus	AAAACCAAGCCCCATATGAATGCGGATTTGACCCCATAGGGTCAAGCAGCCCTCCCTTTCTCA	9653
EquusAsinus	AAAACCAAGCCCCATACGAATGCGGATTTGACCCCATAGGGTCAAGCAGCCCTCCCTTTCTCA	9650
Ovis	AAAACCAAGCCCCATACGAATGTGGATTTGACCCCATAGGGTCTGCTCGCTCCCTTTCTCT	9624
Capra	AAAACCAAGCCCCATATGAATGCGGATTTGACCCCATAGGATCGGCTCGCTTCCCTTTCTCC	9616
Bos	AAAACCAAGCCCCATACGAATGTGGATTTGACCCCATAGGATCAGCCCGCTTCCCTTTCTCT	9615
Sus	AAAACCAAGCCCCATATGAATGTGGATTTGACCCCATAGGATCAGCAGCCCTCCCTTTCTCA	9633
Oryctolagus	AAATCAAGCCCTTATGAATGCGGATTTGATCCCATAGGATCAGCAGCTCCCTTTCTCT	9646
Lepus	AAAACCAAGCCCTTACGAATGCGGATTTGACCCCATAGGGTCAAGCAGCTTCCATTCTCA	9638
Homo	AAATCCACCCCTTACGAGTGCGGCTTCGACCCATATATCCCCCGCCGCTCCCTTTCTCC	9637
Rattus	AAAGCAAAACCCATATGAATGTGGCTTCGACCCCAACAGTTCTGCACGCTTCTCTTTTCA	9591
Mus	AAAGCAAAATCCATATGAATGCGGATTTGACCCCTACAAGCTCTGCACGCTTACCTTTCTCA	9616
Sciurus	AAAGTAAGCTCTTATGAGTGTGGTTTTGACCCATAGGATCAGCCGACTACCTTTCTCT	9643
Erinaceus	AAAATTAGCCCTTATGAATGCGGATTTGATCCCTTAGGATCAGCAGCCCTACCTTTCTCA	9640
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Canis	ATAAAATTTTTCTAGTTGCCATCACATTTCTGCTTTTTCGACCTAGAAATTGCACCTCTA	9711
Halichoerus	ATAAAATTTCTTCTAGTAGCTATCACATTTCTACTATTTCGACCTAGAAATTGCCTACTC	9690
Felis	ATAAAATTTCTTCTGGTAGCCATTACATTTCTGCTATTGATCTAGAAATTGCCTACTA	9702
Equus	ATAAAATTTTTCTAGTGGCATTACATTTCTGCTATTTCGACTTAGAAATTGCCTCTA	9713
EquusAsinus	ATAAAATTTTTCTAGTGGCATTACATTTCTGCTATTTCGACCTAGAAATCGCCTCTA	9710
Ovis	ATAAAATTTCTTCTAGTAGCCATCACATTTCTCTTTTGTATCTAGAAATTGCCTACTC	9684
Capra	ATAAAATTTCTTCTAGTAGCCATCACATTTCTCTTTTGTATCTAGAAATTGCCTACTC	9676
Bos	ATAAAATTTCTTCTGGTAGCCATCACATTTCTCTTATTGACCTAGAAATTGCCTCTC	9675
Sus	ATAAAATTTCTTCTAGTAGCCATCACATTTCTCTTTTGTATCTAGAAATCGCCTCTC	9693
Oryctolagus	ATAAAATTTTTCTAGTAGCCATTTACATTTTACTTTTGTATCTAGAAATTGCCTCTC	9706
Lepus	ATAAAATTTTTCTAGTGGCAATCACATTTCTCTACTATTGATCTAGAAATCGCTCTCT	9698
Homo	ATAAAATTTCTTCTAGTAGTATTACCTTCTTATTATTGATCTAGAAATTGCCTCTCT	9697
Rattus	ATAAAATTTTTCTTAGTAGCCATTACATTTCTACTATTTCGACCTAGAAATCGCCTTACTA	9651
Mus	ATAAAATTTTTCTTGGTAGCAATCACATTTCTGTTATTGATCTAGAAATCGCCTTCTA	9676
Sciurus	ATAAAATTTTTCTTATGCGCATCACCTTTCTCTATTGACCTAGAAATGGCCTCTCT	9703
Erinaceus	ATAAAATTTCTTCTAGTAGCGATCACATTTTATTTTGTACTAGAAATCGCCTTACTC	9700
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Canis	CTCCCACCTTCCCTGAGCGTCACAAACCAACAGCTAACCAACAATACTTATCATAGCACTC	9771
Halichoerus	CTTCCACTTCCATGAGCATCGCACACAGATAACCTAACCCACATACCTTACCATAGCACTA	9750
Felis	CTCCCCCTTCCCTGAGCCTCACAACAGACAACTACCAACCATACTCACTATAGCCCTT	9762
Equus	TTACCCCTTCCATGAGCATCCCAACAACTAACCTAACCACTATCTTATCATAGCACTA	9773
EquusAsinus	TTGCCCTTCCATGAGCATCCCAACAACTAACCTGAACCACTATCTTATTATAGCACTA	9770
Ovis	CTACCACTACCATGAGCCTCACAACAACTAACTTAAACACAATGCTCACCATAGCTCTT	9744
Capra	CTTCCACTACCATGAGCCTCACAACAACTAACTTAAACACAATGCTTACCATAGCCCTT	9736
Bos	CTACCACTGCCATGAGCCTCACAACAGCAAACTTAAACACAATGCTTACCATAGCCCTC	9735
Sus	CTTCCCCTACCATGAGCATCCCAACAAACAACTTAAACACAATACTTACAATAGCACTA	9753
Oryctolagus	CTCCCACCTCCATGAGCCGCACAATTTAATAATTTAAACCTAGTCCCTCATCATAGCACTT	9766
Lepus	CTCCCTCTTCCATGAGCCGCACAATTTAATAACCTAAATTTAGTCCCTCATCATAGCACTT	9758
Homo	TTACCCCTACCATGAGCCTCACAACAACTAACCTGCCACTAATAGTTATGTCTATCCCTC	9757
Rattus	CTTCCCCTCCCATGAGCGATTCAAACAACCAATACCACTACAATAATAGCACTGCCTTT	9711
Mus	CTTCCACTACCATGAGCAATTCAAACCAATTAACCACTTACTATAATATAGCCTTT	9736
Sciurus	CTCCCTCTTCCCTGAGCCTCTCAAACTAACCACTCACACTTATATTGACTATAGCCCTA	9763
Erinaceus	CTGCCTATCCCTGATTATAAACTCATCAATAACAACCTACATCAATTAATTTGTTCTT	9760
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Canis	CTACTAATCTCCCTCCTAGCTGCGAGCCTAGCGTATGAATGGACCGAAAAGGGGCTAGAA	9831
Halichoerus	CTACTCATCTCTCTCCTAGCCGCAAGCCTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAA	9810
Felis	CTACTAATCTCATTACTAGCCGCAAGCCTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAA	9822
Equus	GTCCTAATCTCTCTTCTAGCCATCAGCCTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAA	9833
EquusAsinus	ATCCTAATCTCTCTCCTAGCCATCAGCCTGGCTTACGAATGAAGTGAAGGAGGGGCTAGAA	9830
Ovis	CTCCTAATCTTCTCTACTAGCCGTAGCCGTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAA	9804
Capra	CTCCTAATTTTTCTATTAGCTGTAGGCTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAG	9796
Bos	TTCCCTAATTTCTCTCTAGCTGTAGGCTAGCCTATGAGTGAAGTGAAGGAGGGGCTAGAA	9795
Sus	TTCCCTTCTTATCTTCTAGCCGTAGCCTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAA	9813
Oryctolagus	ATGTTAATCTCAATCTTAGCCCTTGGATTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAA	9826
Lepus	ATACTTATCTCAATCTTAGCCCTAGGCTAGGCTACGAATGAAGTGAAGGAGGGGCTAGAA	9818
Homo	TTATTAATCTCATCTTAGCCCTAGGCTAGGCTATGAGTGAAGTGAAGGAGGGGCTAGAC	9817
Rattus	ATTTTAGTCACTATTTTGTCTCTTGGCTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAA	9771
Mus	ATTCTAGTCACAATTCTATCTTAGGCTAGCCTATGAATGAAGTGAAGGAGGGGCTAGAA	9796
Sciurus	GTATTAATTTCTAATTTCTAGGTTTGGCTACGAATGAAGTGAAGGAGGGGCTAGAA	9823
Erinaceus	ATTTTAATTTATAGCATTAGCCTTAGCCTAGCCTACGAATGAAGTGAAGGAGGGGCTAGAA	9820
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tRNA-Arg

Canis	TGAACCGAATA--TGATAATTAGTTTAAAGCCAAAAACAATGATTTGACTCATTAGATT	9889
Halichoerus	TGAACAGAATA--TGATAATTAGTTTAAACCAAAA--CAATGATTTGACTCATTAGATT	9867
Felis	TGAACCTGAATA--TGATAATTAGTTTAAACCAAAA--CAATGATTTGACTCATTAGATT	9879
Equus	TGAACCTGAGTA--TGGTAATTAGTTTAAACCAAAA--CAATGATTTGACTCATTAAACT	9890
EquusAsinus	TGAACCTGAGTA--TGGTAATTAGTTTAAACCAAAA--CAATGATTTGACTCATTAAACT	9887
Ovis	TGAACCGAATA--TGGTATTTAGTTTAAACCAAAA--TAAATGATTTGACTCATTAGATT	9861
Capra	TGAACCTGAATA--TGGTATTTAGTTTAAATAAAA--TAAATGATTTGACTCATTAGATT	9853
Bos	TGAACCGAATA--TGGTACTTAGTTTAAATAAAA--TAAATGATTTGACTCATTAGATT	9852
Sus	TGAGCAGAATA--TGATAATTAGTTTAAACCAAAA--CAATGATTTGACTCATTAGATT	9870
Oryctolagus	TGAGTTGAATA--TGATAATTAGTTTAA--GTTAAAA--TAAATGATTTGACTCATTAGATT	9882
Lepus	TGAGTGAATA--TGATAATTAGTTTAA--GTTAAAA--TAAATGATTTGACTCATTAGATT	9874
Homo	TGAGCCGAAT--TGGTATTTAGTTTAAACCAAAA--CGAATGATTTGACTCATTAAATT	9872
Rattus	TGAACAGAATAATTGGTATTGTTTAAATTTAAATTTAAATTTAAATTTAAATTTAAATTT	9829
Mus	TGAACAGAATAAAATGGTAAATTAGTTTAAAAAATAA--TAAATGATTTGACTCATTAGATT	9855
Sciurus	TGAGCAGAATA--TGGTAAATTAGTTTAAATTTAAATTTAAATTTAAATTTAAATTTAAATTT	9880
Erinaceus	TGAAGTAATA--AGGTAAATTAGTTTAAATTTAAATTTAAATTTAAATTTAAATTTAAATTT	9877
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ND4L

Canis	ATGATTTATCTCATAATTATCA---TGTCCATAGTATATTAATATCTTTCTGGCATT	9945
Halichoerus	ATGACTTATATCATAATTATCAA-A-TGTCCATAGTATATGCCAACATCTTCTTGGCCTT	9925
Felis	ATAGCTCACCCATATAATTATCAA-A-TGTCCATAGTCTACATTAATATTTTCTGGCCTT	9937
Equus	ATGATTAACCTCATAAATTACCAACA-TGTCACTAGTCCATATTAATATCTTCTAGCATT	9949
EquusAsinus	ATGATTAACCTCATAAATTACCAACA-TGTCACTAGCCACATTAATATCTTCTAGCATT	9946
Ovis	ATGATTAAGCTCATAAATTACCAACA-A-TGTCCCTCGTATACATAAACTATTAATGGCATT	9919
Capra	ATGATTAAGCTCATAAATTACCAACA-A-TGTCCCTCGTATACATAAATATTATAACAGCATT	9911
Bos	ATGATTAAGCTCATAAATTACCAACA-A-TGTCTATAGTATACATAAACATTATAATAGCATT	9910
Sus	ATGATTTACTTCATAAATTATCAA-G-TGCCATAGTATATATAAACATCATTAATAGCATT	9928
Oryctolagus	ATGG-TAAGACCATAAATTATCAAAA-TGCCTTCAATCTATATTAATATCTTCTAGCATT	9940
Lepus	ATGG-TAAGACCATAAATTATCAAAA-TGCCTTCAATCTACGTCAATATTTTCTAGCATT	9932
Homo	ATGAT---AATCATATTTACCAACA-A-TGCCCTCATTTACATAAATATTATACTAGCATT	9927
Rattus	TGATATGATCTATTTCCCAATGACATCTGCTTTCCTAAATTTAACTATAGCCTT	9889
Mus	ATGATAATGTTTATAAATTACCAATA-TGCCATCTACCTTCTTCAACCTAACCTAGCCTT	9914
Sciurus	ATGAAT-AAATCATAAATTACTAA--ATGCCTATACTAATCTAAACCTATTTTATAGCTTA	9937
Erinaceus	ATGATTAATATCATAAATTACCAACA--ATGTCTATTATATTTATTAATGTAATAATAGCATT	9935
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Canis	CATTCTTTCTCTAATAGGTATACTTGTTTATCGATCACACCTAATATCATCGCTACTATG	10005
Halichoerus	CATTATATCTCTTATAGGACTACTTATATACCGATCCCACCTGATATCCTCCCTACTCTG	9985
Felis	CATCATGTGCTCATAGGACTACTAATATATCGATCCCACTTAATGTCTTCCCTCCTATG	9997
Equus	CACAGTATCCCTCGTAGGCCTACTAATGTACCGATCCCACTAATATCCTCACTCCTATG	10009
EquusAsinus	CACAGTTCCCTCGTAGGCCTACTAATGTACCGATCCCACTAATATCCTCACTCCTATG	10006
Ovis	CACAGTATCCCTCACAGGACTACTAATATACCGATCCCACTAATATCTTCCCTCCTATG	9979
Capra	CGCAGTATCTCTCACAGGACTATTGATATATCGATCTCACCTAATATCCTCCCTCCTATG	9971
Bos	CACAGTATCTCTGTAGGACTACTAATATACCGATCCCACTAATATCCTCCCTTCTATG	9970
Sus	CGCGATCGCCCTTGCAGGGTTACTTATATATCGATCTCACTTAATATCTTCACTACTATG	9988
Oryctolagus	TATCCTAGCTCTTCTAGGCATACTAGTCTATCGATCCCATCTAATATCATCCCTTCTATG	10000
Lepus	TATCTTTGCCCTCTTAGGCATGCTAATTTACCGATCTCATTTAATGTCTTCTCTCTTATG	9992
Homo	TACCATCTCACTTCTAGGAATACTAGTATATCGCTCACACCTCATATCCTCCCTACTATG	9987
Rattus	TACATTATCTCTACTAGGTACTTTTATATTTTCGCTCCCACCTAATATCCACTCTCCTCTG	9949
Mus	CTCACTATCACTCCTAGGACCTTATATTTTCGCTCCCACCTAATATCCACTGCTATG	9974
Sciurus	CCTTACATCCTTACTAGGAATAATTTATCTACCGATCCCACTTATATCCTCCCTACTATG	9997
Erinaceus	TTCAATTGCTTTAATTGGCATATTTACTTTATCGTCACTCATCTGATATCTTCAATTATTATG	9995
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Canis	CTTAGAGGGCATAAATATTATCACTATTTGTAATAATACTGTAACTATTTCTCAACAATCA	10065
Halichoerus	CCTAGAAGGTATGATACTATCATTATTTGTAATAATAACAGTAACAATCCTGAACAACCA	10045
Felis	TCTAGAAGGCATGATATTATCCCTATTATTAATAGCCGTAGCCATCCATAAACCAACA	10057
Equus	CCTAGAAGGAATAATACTATCACTATTTCGTATAGCAACCATATAGTCCTAAACACCCA	10069
EquusAsinus	CCTAGAAGGGATAAATACTGTCACTATTCGTATAGCAACCATAGTAGTTCTAAATACCCA	10066
Ovis	CCTAGAAGGAATAAATACTATCCCTATTTATTTTAGCCACCTAATAATCTCAATACACA	10039
Capra	CCTAGAAGGAATAAATACTATCTATTTATCATAGCCACCTAATGATCCTAAATTCACA	10031
Bos	CTTAGAAGGAATAATGCTATCCCTATTCGTTATAGCAGCCCTAACATCCTCAACTCACA	10030
Sus	CCTAGAAGGAATGATACATCTATTCATCATATCGACTCAATTAATCTCAACACACA	10048
Oryctolagus	CCTAGAAGGCATAAATACTCTCACTATTTGTTCTAATTACATTAAACAGCCCTTAATACCCA	10060
Lepus	CCTAGAAGGAATAAATACTATCACTGTTATTTTAATTACATTAAACAGCCCTTAATATACA	10052
Homo	CCTAGAAGGAATAAATACTATCGCTGTTTCATTATAGCTACTCTCATAAACACCCA	10047
Rattus	CCTAGAAGGAATAAATACTATCACTATTTGTCATAACTTCAACATCCACATTAAACTCCAA	10009
Mus	CCTGGAAGGCATAAATGTTATCCTTATTTATTATAACTTCAGTAACCTTCCCTAAACTCCAA	10034
Sciurus	CTTAGAAGGAATAAATACTATCCATATTTATCATAACTAACCTCGCTACTTTAAATACCA	10057
Erinaceus	TCTTGAGGGAATAAATACTAGCCACATATATTTTATTTCCCTTGTTTCTCTCAATATGCA	10055
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Canis	CCTCACATTAGCCAGCATGATACCAATCGTACTACTAGTATTTGCTGCCTGCGAAGCAGC	10125
Halichoerus	TTTTACACTAGCTAGCATGGCCCCATTATCCTTCTCGTCTTTCGCTGTTGTGAAGCAGC	10105
Felis	TCTCACACTAGCCAGCATAAACCCCATATCCTATTAGTATTTGCGAGCTTGTGAGGCAGC	10117
Equus	CTTCACTAGCTAGCATATAATACCTTACTAGTATTTGCTGCTGCGAAGCAGC	10129
EquusAsinus	TTTTCACACTAGCCAGCATAAATACCCATTATTTTACTAGTATTTGCTGCTGCGAAGCAGC	10126
Ovis	TTTTACCTTAGCCAGTATAATGCCCATTTCTACTAGTTTTTCGAGCTTGCAGGCAGC	10099
Capra	CTTACCTTAGCCAGCATATAATCTTACTAGTTTTCGAGCTTGCAGGCAGC	10091
Bos	TTTTACATTAGCTAGCATAAATACCTATTATCCTACTAGTCTTTCGAGCCTGTGAAGCAGC	10090
Sus	CTTACCTTAGCTAACATAATACCCATTATTTTACTAGTGTTCGAGCCTGCGAAGCTGC	10108
Oryctolagus	CTTCACTATCATTTATATTTTCCATCTACTAGTATTTTCGAGCCTGCGAAGCAGC	10120
Lepus	CTTTACATTGTCAATTTATTTTCCAAATGTTCTTTTACTAGTATTTGCGGCTGTGAGGCCGC	10112
Homo	CTCCCTCTTAGCCAAATATTGTGCCATATGCCATACTAGTCTTTGCGCCTGCGAAGCAGC	10107
Rattus	CTCCATAATCTCCATAACCATCCCAATACCAATTTCTAGTTTTTTCGAGCCTGCGAAGCAGC	10069
Mus	CTCCATAAGCTCTATACCAATCCCCATCACCACTTGGTTTTTCGAGCCTGCGAAGCAGC	10094
Sciurus	CTTTATAGTATCATTTCTCCCTACCTGTTATCCTTCTCGTATTTGCGAGCATGCGAAGCAGC	10117
Erinaceus	CTTTACCATAACTATATAATTCACCTAGTTATTTCTAGTATTCGCTGCTGTGAAGCAGC	10115
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Canis	ATTAGGACTATCTCTACTAGTTATAGTATCTAACACCTACGGGACTGATTACGTACAAAA	10185
Halichoerus	CCTGGGACTGTCACTCCTAGTAATAGTGTCCAACACATACGGAACCGACTACGTACAAAA	10165
Felis	ACTAGGTTTATCTCTACTAGTAATAGTATCAAATACATATGGCACTGACTATGTACAAAA	10177
Equus	TCTAGGATTATCCCTACTAGTCACTAGTCTCCAATACTTATGGAGTAGACCACGTACAAAA	10189
EquusAsinus	ATTAGGACTATCCTTACTAGTCACTAGTCTCCAACACTTATGGAGTGGACCGTACAAAA	10186
Ovis	ACTAGGCCTGTCCCTACTGGTAATGGTGTCAAATACATATGGCACCGACTATGTACAAAA	10159
Capra	ACTAGGCCTGTCCCTACTAGTAATAGTATCAAACACATATGGTACCGATTACGTACAAAA	10151
Bos	CCTAGGCTATCTCTACTAGTAATAGTATCAAATACATATGGTACTGATTATGTACAAAA	10150
Sus	ACTAGGCCTGTCACTACTAGTAATAGTATCCAACACATACGGTACCGATTACGTCCAAAA	10168
Oryctolagus	AGTTGGAAGTCTTCTAGTTATAGTCTCCAACACTTATGGAATAGACTATGTACAAAA	10180
Lepus	AATTGGGCTAGCCCTACTTGTATAGTATCTAACACCTATGGCATAGATTACGTCCAAAA	10172
Homo	GGTGGGCTAGCCCTACTAGTCTCAATCTCCAACACATATGGCCTAGACTACGTACATAA	10167
Rattus	AGTAGGTTTAGCCCTACTAGTAAAAATTTCAAATACTTACGGAACAGACTACGTACATAA	10129
Mus	TGTAGGACTAGCCCTACTAGTAAAAAGTCTCAAACACGTACGGAACAGATTACGTCCAAAA	10154
Sciurus	AGTTGGCCTAGCTCTTTTAGTTATGGTGTCTAATACTTATGGTATAGACTATGTTCAAAA	10177
Erinaceus	ACTAGGCCTAGCGCTTTTAGTAAAAATATATAATTATCACGGTAATGACTATGTACAAAA	10175
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ND4
Canis CCTAAACCTTTTACAATGCTAAAAATTATCATCCCTACTATCATACTAATCCCCCTTACA 10245
Halichoerus TCTGAACCTCCTACAATGCTAAAAATCATTATCCCCACCATAAATACTTTATACCCCTGACG 10225
Felis CCTAAACCTCCTACAATGCTAAAAATTATTATCCCCACTGCCATACTCATACCAATAACA 10237
Equus CCTTAACTCCTCCCAATGCTAAAAATTATCATCCCCACAATCATACTTTATGCCCTTACA 10249
EquusAsinus CCTCAACCTCCTCCCAATGCTAAAAATCATCATCCCTACAATCATACTTTATACCCCTCACA 10246
Ovis CCTTAACTTCTACAATGCTAAAAATACATTATCCCCACAATAATACTTTATACCCCTAACCC 10219
Capra CCTTAACTTTATACAATGCTAAAAATACATTATCCCTACAATAATACTTTATACCCCTAACCC 10211
Bos CCTCAACTTACTCCCAATGCTAAAAATACATTATCCCAACAATTATACTTTATACCCCTAACCC 10210
Sus CTTAAACCTTTTACAATGCTAAAAATTATTATCCCCAACACAATACTACTACCCATAACA 10228
Oryctolagus CCTAAATCCTTCTACAATGCTAAAAACGATTATCCCCACAATCATACTTTATCCCAACCGTA 10240
Lepus TCTAAATCTTCTACAATGCTAAAAACTATTATCCCCACAATTATACTCATTCCTCCACTGTA 10232
Homo CCTAAACCTACTCCCAATGCTAAAACTAATCGTCCCAACAATTATATTACTACCACTGACA 10227
Rattus CCTCAACCTTCTACAATGTTAAAAATT TTTTCCCTCTATC TACTCCTCCCTCTAACG 10189
Mus TCTTAACTTACTACAATGCTAAAAATTATTCTCCCTCACTAATGCTACTACCACTAACCC 10214
Sciurus CCTCAACATCTTACAATGCTAAAAATCATTCTACCTACCATCCTTCTAGCTCCTACCCATA 10237
Erinaceus TCTAAATCTATTAAAAATGTTAAAAATTAATTATCAACTATTATACTCATTCCTCACTACA 10235
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Canis TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACATATGGTTTGCTAATCAGC 10305
Halichoerus TGAATATCAAACCTAACATGATCTGAATCAACACACAGCCTATAGCCTACTAATCAGC 10285
Felis TGCCTATCGAAACCTAACATAAATCTGAATCAACTCAACACCTACAGCCTACTAATTAGT 10297
Equus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10309
EquusAsinus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10306
Ovis TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10279
Capra TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10271
Bos TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10270
Sus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10288
Oryctolagus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10300
Lepus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10292
Homo TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10287
Rattus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10249
Mus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10274
Sciurus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10297
Erinaceus TGAATATCAAAGCCTAACATAAATCTGAATTAACACGACAACCTATAGTCTATTATCAGC 10295
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Canis TTAATCAGCTTATTCTACCTAAACCAACCAATGATAATACATTGAATCCTCCTTAATA 10365
Halichoerus CTTATCAGTCTGCTCCTTCTAAATCAACTCGGTGACAATTGCATAGCCTGTCCCTACTA 10345
Felis CTTATCAGCTCCTCCTTCTAAACCAACTAGGTGGCCATAGTCTAAATTTTTCAGTGTA 10357
Equus CTTATCAGCTTATCCCTCCTAAACCAACCTAGCAACATAGCCTAAATTTCTCACTAATA 10369
EquusAsinus CTTATCAGCTTATCCCTCCTAAACCAACCTAGCAACATAGCCTAAATTTCTCACTAATA 10366
Ovis CTCACAAGCCTTCTCCTCCTAATAAATCAATTCGGTGATAATAGCCTCAATTTTCACTAAT 10339
Capra TTCACAAGCCTTCTCCTCCTAATAAATCAATTCGGTGATAATAGCCTCAATTTTCACTAAT 10331
Bos TTTACAAGCCTCCTCCTCCTAATAAATCAATTCGGTGATAATAGCCTCAATTTTCACTAAT 10330
Sus CTGATCAGCTTATCCCTTCTAATAAATCAATTCGGTGATAATAGCCTCAATTTTCACTAAT 10348
Oryctolagus CTAACCTACCTCCTCCTAATAAATCAATTCGGTGATAATAGCCTCAATTTTCACTAAT 10360
Lepus CTAACCTACCTCCTCCTAATAAATCAATTCGGTGATAATAGCCTCAATTTTCACTAAT 10352
Homo ATCATCCCCCTACTATTTTAAACCAACCAACCAACCTATTTAGCTGTTCCTCCCAAC 10347
Rattus CT TT T GCTT TC CTCT TG C A A TG C G A A TT CCT A TTTCTC GTT T 10309
Mus TTAACAGCCTAACACTTCTATGACAAACCGACGAAAATTATAAAACTTTTCAAATATA 10334
Sciurus TTAATTTGTCTTATTATCACTCTATCAGCAGAAAGACAGTAACCTAATCTTTTCACTACT 10357
Erinaceus TTAACAGCCTAATATATTTAAATTAAGCAGTATTATATATGAAACAGCTCCTCTATTACC 10355
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Canis TTTTCTCTGATTTCCCTATCGGCACCACTATTAGCACTACAACATGACTTCTGCCCTT 10425
Halichoerus TTCTTTCAGACTCCTCTATCAGCTCCCTATTAGCACTACAACATGACTGTTACCCCTTA 10405
Felis TTTTCTCTGACTCCTCTCGGCACCTTTACTAGTACTAACAAATGACTCCTACCGCTA 10417
Equus TTCTTCTCCGATCCCCATCAGCCCCACTTCTGGTGTGACAAATGACTACTGCCACTA 10429
EquusAsinus TTCTTCTCTGACCTCTCTATCAGCTCCACTACTAGTACTAACAAATGCTGCTTCCATTA 10426
Ovis TTTTCTCCGACTCCTTATCTACCCACTACTAATTTCAACCATATGACTTCTACCCCTA 10399
Capra TTCTTCTCCGACTCCTTATCTACCCACTACTAATTTCAACCATATGACTTCTACCCCTG 10391
Bos TTTTCTCCGACTCCTTATCTACCCACTACTAATTTCAACCATATGCTTCTCCCTCT 10390
Sus TTCTTCTCCGACTCCTATCAGCACCCTACTAGTTCTAACCATGACTCCTCCCTCT 10408
Oryctolagus TTTTCTCAGATGCTCTTATCTACCTCCTCTGATGTTAACGACCTGACTTCTTCCACTC 10420
Lepus TTTTCTCAGATGCTCTTATCTACCCACTACTAATTTCAACCATATGACTTCTTCCCTCT 10412
Homo TTTTCTCCGACCCCTAACCAACCCCTCCTAATACTAATCTACCTCCTTACCCCTT 10407
Rattus TTCTCCTCCG TCC TT TCC CCCC CT A TC TTCT A C A CTTG CTCCTCCC CT 10369
Mus TTCTCCTCAGACCCCTATCCACACCTAATTTATTTTAAACAGCCTGATTACTGCCACTA 10394
Sciurus TTCTTTTCAAGTCTTTTATCTACCAACTTTTAACTTCTTACCGCATGACTTCTTCCCTT 10417
Erinaceus TATTTCTCAGATCATATTTTAAACCACTACTTATTTTAACTACATGACTTCTTCTCTTAA 10415
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Canis	ATACTTATAGCAAGTCAACACCATTTATCAAAAGAACCCCTTAACTCGAAAAAACTATAT	10485
Halichoerus	ATACTTATGGCTAGCCAAATTTACCTATCAAAAGAGCCACTAGCCCGGAAAAAACTTTAT	10465
Felis	ATACTCATAGCCAGCCAAATCACACCTATCAAAAGAAACCTCCTAGTCGAAAAAACTATAC	10477
Equus	ATACTCATAGCCAGCCAAACCATCTATCTAAGGAACCACTAATCCGAAAAAACTCTAC	10489
EquusAsinus	ATACTCATAGCCAGCCAGCACCATCTATCAAAAGAAACCTAATCCGAAAAAACTCTAC	10486
Ovis	ATACTCATAGCTAGCCAAATCATCTATCAAAAGAAACCTAGCCCGAAAAAACTCTTC	10459
Capra	ATACTTATAGCTAGTCAACATCACCTATTTAAAGAAAGTCCAAACCCGAAAAAACTCTTC	10451
Bos	ATACTAATAGCTAGCCAAATCATCTATCAAAAGAAACCTAATCCCGAAAAAACTATTT	10450
Sus	ATACTAATAGCTAGCCAAATCTACCTATCAAAAGAAACCCACAAACCCGAAAAAACTATAT	10468
Oryctolagus	ATAATCTTAGCAAGCCAAATCACTTAGACAAAGAAACCTTAACCCGTAAAAAAATTTAT	10480
Lepus	ATAATCCTAGCAAGCCAAATCACTTAGACAAAGAAATCATTACTACGCAAAAAACATAT	10472
Homo	ACAATCATGGCAAGCCAAACGCCTTATCCAGCGAACCACTATCAGCAAAAAAACTCTAC	10467
Rattus	TATGCTCGCTGCCAAATCCTTAAAGAAAGTATATGCTCAAACTTTCT	10429
Mus	ATATTAAATAGCTAGCCAAACCACTAAAAAGATATAAGCGTGCTACGCAAAAAACATAT	10454
Sciurus	ATAATTATAGCAAGCCAAATCACTTAAAAAGAGTCTTAGTACGCAAAAAAACTCTAC	10477
Erinaceus	ATAATTATTGCTAGCCAAATCACCTACAAAGAAACCTAAACCAAAAAAAATTTCTAT	10475

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Canis	ATTTCAATACTAATTTCTCTCAATTGTTCTTAATTATAACTTTACAGCCTCTGAACCTC	10545
Halichoerus	ATCACAACTAATCTACTACAACATTTCTTAATCATAACATTTACCGCTACAGAACTA	10525
Felis	ATCACAACTAATCTACTCTCTGACCTTCTTTGATTATAACATTTACCGCTACAGAACTA	10537
Equus	ATCACCATGCTAACCATACTTCAAACTTTCTTAATCATGACTTTTACCGCCACAGAACTA	10549
EquusAsinus	ATCACCATGCTAGCCATACTTCAAACTTTCTTAATCATAACCTTTACCGCCACAGAACTA	10546
Ovis	ATCTCAATGCTAATTTCTACTACAACATTTCTGATTATAACATTTACGTCACAGAACTA	10519
Capra	ATCTCAATGCTAGTCTATTTGCAACTGTTCTTAATTATAACATTTACCGCTACAGAACTA	10511
Bos	ATTACTATGCTGATCTACTACAACATTTCTTAATTATAACCTTTACCGCCATGGAACCTA	10510
Sus	ATTACCATACTAATCTACTACAACATTTCTTAATTATAACCTTTACCGCCATGGAACCTA	10528
Oryctolagus	ATTTCTCTTTTAAATTTCTTACAAGTATCTCTAGTAATAACATTTTACGCCACAGAACTT	10540
Lepus	ATTTCTCTCTTAAATTTCTTACAATCTTCTAGTAATAACATTTCTCAGCTACAGAACTC	10532
Homo	CTCTCTATACTAATCTCTCTTAAATTTCTTACAATCTTCTTAAATTTACAGCCACAGAACTA	10527
Rattus	TCTCTATCTTCTTCT	10489
Mus	ATCTCAATACTAATCTAGCTTACAATTTCTCTTAATCATAACTTTTTCAGCAACTGAACTA	10514
Sciurus	ATTTCTTACTTATCTCACTTCAACTCTTTTAAATTTAACTTTCTCTGCTCTGAACTA	10537
Erinaceus	ATTTCTTACTAATTTTCTTACAATCTCTACTATCATAACTTTTACAGCATCAGAAATA	10535

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Canis	ATCTTTCTTTTACATCTATTTTGAAGCAACACTGATTCCGACCCTGATCATTATTACCCGA	10605
Halichoerus	ATCATATTTTACATTTATTTTGAAGCAACCCCTAGTACCTACTCTGATTATTATTACCCGA	10585
Felis	ATTATATTTTACATTTTATTTTGAAGCCACATTAATCCCACCTTAATCATCATTTACCCGA	10597
Equus	ATCTCTTTCTACATCTTATTTGAAGCCACATTAATTTCCAACTAATTTATCATCATTTACCCG	10609
EquusAsinus	ATCTCTTTCTATATCTTATTTTGAAGCCACATTAATTTCCAACTAATTTATCATCATTTACCCG	10606
Ovis	ATCTTTTTCTATATCTTATTTTGAAGCAACACTAGTCCCACACTTATCATTTATTACTCGA	10579
Capra	ATTTTCTTTTACATTTATTTTGAAGCCACACTAGTCCCACACTTATCATTTATTACTCGA	10571
Bos	ATCTTATTTTATATTCTATTTTGAAGCAACACTAGTCCCACACTTATCATTTATTACTCGA	10570
Sus	ATCCTATTCTATATCTTATTTGAAGCAACACTAGTACCACACTAATTTATCATCATACCG	10588
Oryctolagus	ATCCTGTTTTATATTCTATTTGAAGCCACACTAGTCCCACACTTATCATTTATTACTCGA	10600
Lepus	ATCTTATTTTATATTCTATTTTGAAGCAACACTAATCCCACACTAATTTATTATTACTCGA	10592
Homo	ATCATATTTTATATCTTCTTGAAGCAACACTTATCCCACACTTGGCTATCATACCCGA	10587
Rattus	TTTTTTTTTTTCTCTGTTTGGGCTCTCTATCCCACACTAATTTCTCTTCTTCTCTCTCT	10549
Mus	ATTATATTTTATTTTTATTTTGAAGCAACCTTAATCCCACACTTATCATTTATTACTCGA	10574
Sciurus	ATCCTATTTTACATCTTATTTGAAGCTACTTTAATTCCTACTTTAATTTATTATTACTCG	10597
Erinaceus	TTTTTATTTTATTTTTATTTTGAAGCTACTTAAATCCCACCTTAGTTATTATTACTCGG	10595

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Canis	TGAGGAATCAAACGAACTAAACGCGAGGACTCTACTTCTTATTTTATACTTTAATA	10665
Halichoerus	TGGGGGAACCAAACAGAACGCTAAATGCGAGGAACTTCTCTATTTTACACTCTAGTA	10645
Felis	TGGGGGTGACCAAGAGAGGCTTAAACGCGGCTTACTTTCTATTTTACACTCTAGTA	10657
Equus	TGAGGCAACCAAACAGAACGCTGAAACGCGAGGCTCTACTTCTTATTTTACACTAATA	10669
EquusAsinus	TGAGGTAAACCAAACAGAACGCTTAAACGCGAGGCTCTACTTTCTTATTTTACAGCTAGTA	10666
Ovis	TGAGGAAATCAAACGAACTAAACGCGGCTCTTATTTCTGTTTTACACTAGCA	10639
Capra	TGAGGAAACCAAACAGAGCTTAAACGCGGCTCTTATTTCTGTTTTTACACTAGCA	10631
Bos	TGAGGAAACCAAACAGAGCTTAAACGCGGCTCTTATTTCTTATTTTACACTAGCA	10630
Sus	TGAGGAAACCAAACAGAACGCTCAATGCGAGGCTTATTTCTTATTTTACACTAGCA	10648
Oryctolagus	TGAGGTAAATCAAACAGAGCTCAACGCGAGGAACTTCTCTTATTTTATACCTCTATA	10660
Lepus	TGAGGTAAATCAAACAGAACGCTTAAATGCGAGGAACTTCTTTTATTTTATACCTCTATA	10652
Homo	TGAGGCAACCAAGCAAGGCTGAAACGCGAGGCACTTCTCTTATTTTACCTCTAGTA	10647
Rattus	TG GGC AACC AAG C G ACGCTT A TGC GG A TTT TTTCTGTTTT T C C T A TT	10609
Mus	TGGGGGAACCAAACGAACTAAAGCGAGGAAATTTATTTCTTATTTTATACCTAATC	10634
Sciurus	TGGGGTAATCAAACGAAACGCTTAAATGCGAGGACTATATTTTATTTTATCACTACTT	10657
Erinaceus	TGGGGAATCAAATGAAACGCTTAAATGCTGATCTTATTTCTCTTACACTTTAACA	10655

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Canis	GGATCCCTCCCAGTCTAGTAGCTCTCCTTTATATCCACAATTTTCATGGGCTCCCTAAAT	10725
Halichoerus	GGATCCTTGCCCTGCTAGTAGCCCTGCTATTATCCAAAATAATATAGGCACATTAAC	10705
Felis	GGCTCACTACCCCTTTTAGTCGCACTACTGTATATCCAGAATACACAGGAACTTTAAAT	10717
Equus	GGTTCCCTCCCAGTCTTAGTTGCACTAATCTCTATCCAAAACCTAACAGGCTCACTAAC	10729
EquusAsinus	GGCTCCCTCCCAGTCTTAGTCGCACTAATCTCTATCCAAAACCTAACAGGCTCACTAAC	10726
Ovis	GGATCCCTGCCCTATTAGTCGCACTGATTTATATCCAAAACCAATAGGATCACTAAAT	10699
Capra	GGATCTCTACCCCTACTAGTCGCACTAATCACAATTCAAAACACAGTAGGATCCCTAAC	10691
Bos	GGCTCCCTACCCCTATTAGTCGCACTAATTTATATCCAAAACACAGTAGGATCCCTAAC	10690
Sus	GGATCCCTACCACTGCTAGTAGCACTAGTTTATATCCAAAATACCACAGGCTCACTAAC	10708
Oryctolagus	GGATCCCTCCCCCTTCTAGTGGCTTTAATTTATTTACAGAACTCTATAGGATCTCTAAC	10720
Lepus	GGATCGCTCCCTTTACTAGTTGCCCTAATTCATCTTCAAAATTCCTATAGGGTCTCTAAT	10712
Homo	GGCTCCCTTCCCTACTCATCGCACTAATTTACACTCACAACCCCTAGGCTCACTAAC	10707
Rattus	GGCTCC TCCC CTCTT ATTGCCCTC TTTC ATCC AAACTC AT GGAC CTC AC	10669
Mus	GGTTCTATTCCACTGCTAATTGCCCTCATCTTAATCCAAAACCATGTAGGAACTCAAC	10694
Sciurus	GGATCCCTCCCAGTCTTGTAGTCTTAGTGTATATCCAAAACCAACAGGGTCACTAAC	10717
Erinaceus	GGATCTCTCCCCCTATTAGTAGCATTA - TTATATCTAAAAAAAATAAATTATTTACAC	10713

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Canis	TTTCTCATAAATCAATACTGAATCCA-GCCTCTGC-CAAACCTCTGATCTAATATTTTCC	10783
Halichoerus	TTCCCTAATAATCCAACCTCTGAGCCCA-ACCCCTAC-CAAGCTCTGATCTAATACCCCTCC	10763
Felis	TTCCCTGATCATCCAATACTGAGCCCA-GCCCATCT-CAACCACCTGGTCCCAATATTTTCC	10775
Equus	TTCCCTAATAATCAATACTGAAACCA-AGCACTAC-CCGACTCTTGATCCCAATATTTTCC	10787
EquusAsinus	TTCCCTACTAATCAATACTGAAACCA-AGCACTAC-CCGACTCTTGATCTAATATCTTCT	10784
Ovis	TTCCCTATTCTCCAGTACTGAGTTCA-ACCAATAC-CTAAGCTATGATGCAACACTTTCA	10757
Capra	TTCCCTAATCCTTCAATACTGAGCACA-ACCAGTAC-CCAACCTCTGATCCCAATGTTTTCT	10749
Bos	TTCCCTAATATTACAGTACTGAGTACA-ACCTGTTT-ATAACTCTTGATCTAATGTCTTCA	10748
Sus	TTCTTAATTAACCAATTAAGTATCCA-CCCATTTAT-CCAACCTCTTGATGCAACACTTTTA	10766
Oryctolagus	TTCCCTCTACTTCAACTTATAAATAA-ATCCATTA-CAACATCGTGAATCAAACTCACTGA	10778
Lepus	TTTCTTTTAATCCAACCTCTCTAACGA-ATCCCTGC-TAACATCATGATCTAATTCACATA	10770
Homo	ATTCTACTACTCACTCTCACTGCCCA-AGAACTAT-CAAACCTCTGAGCCAAACACTTAA	10765
Rattus	TTCCCTAATCCCTTCCCTCAACAACA-CCCCCTAC-CCTCAATG TCCAAC CC TTC	10727
Mus	CTCATAATTTTATCATTCACAACACA-CACCTTAG-ACGCTTCATGATCTAACAACTTAC	10752
Sciurus	TTTATTACATCCCTATATCAGTCAAA-CATCCTAC-CATTAACATGAATCAACAAATATGC	10775
Erinaceus	ATTTTGTTTTATAAGCCTAATCTCAGATCATATATACAAATAGACTGATCAAAATCACTCT	10773

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Canis	TATGACTGGCATGCATAATAGCATTATAGTAAAGATACCTCTATACGGCCTCCACTTGT	10843
Halichoerus	TATGATTAGCATGTATATATGGCATTCATAGTAAAAATACCCCTATACGGCCTCCACCTAT	10823
Felis	TCTGACTAGCATGCATGATAGCATTTATAGTAAAAATACCTCTATATGGACTCCACCTAT	10835
Equus	TATGACTAGCATGTATATATAGCATTCATAGTAAAAATACCGGTATATGGTCTTCACTCT	10847
EquusAsinus	TATGATTAGCATGTATATATAGCGTTTATAGTTAAAAATGCCCTATACGGCCTTCGCCTCT	10844
Ovis	TATGACTAGCATGCATAATAGCTTTATAGTAAAGATACCACTATATGGACTCCACCTCT	10817
Capra	TATGATTAGCATGCATAATAGCTTTATAGTAAAAATACCATATATGAGCTCCACCTTT	10809
Bos	TATGACTAGCATGTATATATAGCTTTTATAGTAAAAATACCACTATATGGCCTCCACCTTT	10808
Sus	TATGATTAGCATGCATCATAGCCTTATAGTAAAAATACCTCTGTACGGACTCCATCTTT	10826
Oryctolagus	TATGACTAGCATGCATAATAGCTTTTATAGTAAAAATACCCCTATATGGGCTTCACTGT	10838
Lepus	TATGATTAGCATGTATATATAGCTTTTATAGTAAAAATACCCCTCTATGGTCTTCTTCTCT	10830
Homo	TATGACTAGCTTACACAATAGCTTTTATAGTAAAGATACCTCTTACGGACTCCACTTAT	10825
Rattus	T T G C T G C T G T A T A T G C T T T T A T C A A A T C C T T T A C G G A G T C C T C T T	10787
Mus	TATGATTGGCATGCATAATAGCATTTCTTATTAATAATACCATATATGGGGTTACCTAT	10812
Sciurus	TATGACTAGCATGTATATATAGCCTTTATAGTAAAAATACCTCTTTATGGACTTCACTCT	10835
Erinaceus	TATGATTATCATGTATATATAGCCTTCTATAGTAAAAATACCACTATATGGAAATCCATCTAT	10833

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Canis	GACTACCAAAAGCACAGTAGAGGCCCTATTGCCGGCTCCATAGTACTTGCCGCTGTAC	10903
Halichoerus	GACTGCCTAAAGCCCAAGTAGAAGCAACCATCGCTGGATCCATAGTACTGGCCGAGTAC	10883
Felis	GATTGCCAAAAGCACATGTTGAAGCTCCCATCGCTGGTTCAATAGTACTTGCCGCGGTAT	10895
Equus	GACTCCCAAAAGCCCATGTAGAAGCCCAATTGCCGATCCATAGTGCTAGCAGCCATTCT	10907
EquusAsinus	GACTTCCGAAAAGCCCATGTAGAAGCCCAATCGCTGGGTCCATAGTGCTAGCAGCCATCC	10904
Ovis	GACTTCCCAAAAGCCCATGTAGAAGCTCCAATTGCCGGCTCCATGGTCTTGCAGCAATCC	10877
Capra	GACTACCTAAAGCCCAAGTAGAAGCCCAATCGCAGGCTCTATAGTCTTGCAGCAATCC	10869
Bos	GACTACCTAAAGCTACAGTAGAAGCCCAATCGCAGGCTCCATAGTCTTGCAGCAATCC	10868
Sus	GACTGCCAAAAGCCCATGTAGAAGCCCAATTCAGGTTCAATAGTACTTGCAGCCGTAC	10886
Oryctolagus	GATTACCAAAAGCTACGTTGAAGCCCCATCGCTGGCTCAATAGTCTTGGCAGCTATTCT	10898
Lepus	GACTTCCAAAAGCCCATGTGCGAAGCCCAATTCAGGTTCTATAGTCTTGCAGCCGTTT	10890
Homo	GACTCCCTAAAAGCCCATGTGCGAAGCCCAATCGCTGGGTCAATAGTACTTGCAGCAGTAC	10885
Rattus	G TT CC AA GCCC CGT G A G C T C C A T T G C G G C T C T T A T T T T G C G C A T T C	10847
Mus	GACTACCAAAAGCCCATGTTGAAGCTCCAATTGCTGGGTCAATAATTTAGCAGCTATCC	10872
Sciurus	GACTTCCATAAGCTCATGTAGAAGCCCAATCGCCGATCCATAGTTCTAGTGCATCC	10895
Erinaceus	GATTACCTAAAGCCCATGTTGAAGCCCAATTGCAGGTTCAATATCTTAGCCGCAATTT	10893

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Canis	CTAATAGGAATTAACTTATCATCACCGCCCTATACTCACTTTATATATTAATCACCACA	11442
Halichoerus	CTAATAGGAACCAACATCATCATACCGCCCTATATTCACTGTACATACCTAATTACCACA	11422
Felis	CTAATGGGTACTAATATCATCATACAGCCCTATACTCCCTCTACATACTTATTATAACT	11434
Equus	CTAATAGGAGCCAATATCACCATCACCGCCCTCTACTCCCTATACATACTAATCACAACA	11446
EquusAsinus	CTCATAGGGGGCAACATCACCATCACCGCTCTCTACTCCCTCTACATACTAATTAACCA	11443
Ovis	CTAATAGGACTTAATATGGTAAATTACGTCTCTACTCTCTCTACATACTAATCACAACA	11416
Capra	CTAATAGGACTTAACATAGTGATCACCGCCCTATACTCCCTCTACATACTAATTAACAG	11408
Bos	CTAATAGGAGTAAATATAGTAAATCACCGCCCTATATTCTCTATACATGCTAATTAACCC	11407
Sus	CTCATAGGAATAAACATAATAATTACAGCTCTCTACTCTCTCTACATACTAATTAATACA	11425
Oryctolagus	CTGATAGGGACTAACGTCCTAATCACGGCCCTCTACTCCCTCTATATACTATCAACCACC	11437
Lepus	CTTATAGGAACTAATGTTCATAATTACAGCACTCTACTCCCTCTATATAATTATCAACCACC	11429
Homo	CTTACAGGACTCAACATACTAGTCACAGCCCTATACTCCCTCTACATATTTACCACAACA	11424
Rattus	CTTATGCCTCTCTTGTCTCTCGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	11386
Mus	CTCATAGGAATTAACTAATTTATTAACAGGTATGTACTCGATATACATAATTAATCAACC	11411
Sciurus	CTCATAGGACTAAACATACTAATTAACAGCCCTATACTCACTTTATATACTCATTTCTACA	11434
Erinaceus	CTCACAGGGTTGAATATAATAATCACAGTAAGCTATACTTTATATATGCTTATTATCACG	11432

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Canis	CAACGTGGTAAATATTTCCACCATATCAAAAAATATCAAAACCATTCATTCACACGAGAAAA	11502
Halichoerus	CAACGCGGCAAAATATACCTACCACATCAAAAAATCAAAACCTTCATTCACACGAGAAAA	11482
Felis	CAACGAGGCAAAATACACACACCACTTAAAAATATCAACCCATTCATTTACACGAGAAAA	11494
Equus	CAACGAGGGAATACACACACCATATCAACAGCATTAACCCCTTCATTTACACGAGAAAA	11506
EquusAsinus	CAACGAGGAAAAATACACACCATATCAACAGCATCAAAACCTTCATTTACACGAGAAAA	11503
Ovis	CAACGAGGTAAACATCTCACCATCAATAATATTTTACCCCTCTTACACGAGAAAA	11476
Capra	CAACGAGGTAACATACCCATCACATCAACCAACATCTTACCTTCTTTACACGAGAAAA	11468
Bos	CAACGAGGAAAAATATACCTACCACATTAATAATATCTCGCTTCCTTTACACGAGAAAA	11467
Sus	CAACGAGGAAAAATACACCAACCATTAACCAACATCAAAACCTTCATTCACGAGAAAA	11485
Oryctolagus	CAACGAGGCAAAATTCAGTATCACACAAACCAATTTCCCTTACATTCACCCGAGAAAA	11497
Lepus	CAACGAGGAAAAATTTACATACCATCAAAATAATATTTCCCTTACATTCACCTGAGAAAA	11489
Homo	CAATGGGCTCACTACCCACCATTTAAACCAACATAAAACCCCTTCATTCACGAGAAAA	11484
Rattus	CAACGAGGAAAACTAAGCCCTATCAACCACTTCCTCCACCTTCCCCTCAACGAGTAT	11446
Mus	CAACGCGGCAAACTAAACCAACATATAAATAACCTCCACCCCTCACACACGAGAGCTA	11471
Sciurus	CAACGCGGTAAATTTACTTATCCCTGATCAACATCAATCCCACTCACACGAGAAAA	11494
Erinaceus	CAACGAGGGTTACCTCCACCATATTTATTAGTATTAAGCCGTCATTTACACGAGAAAA	11492

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Canis	GCCCTAATGACCTTGCACTACTGCCCTACTCCTCTATCCCTTAAACCTAAAATTATT	11562
Halichoerus	GCCCTAATAACGCTCCACCTAATACCCCTACTACTATCATCTCAACCCCAAGTCAATT	11542
Felis	GCCCTAATAGCCCTCCACCTACTCCCTCTCTCTCTCTATCACTTAAACCTAAGATTGTA	11554
Equus	GCACTATGGCCCTCCACATGACTCCCTACTACTCCTATCACTTAAACCTAAAATTATC	11566
EquusAsinus	GCACTATAGCCCTCCACATGACTCCCTACTACTCCTATCACTTAAACCCCAAAATCATC	11563
Ovis	GCACTTATATCACTGCATATACTACCACTCCTACTTCTATCCCTAAACCCGAAAAATTATC	11536
Capra	GCACTATATCACTTATATATATACCACTACTACTTCTATCCCTAAACCCCAAAATATC	11528
Bos	GCACTATATATCACTATATATATACCACTACTACTTCTATCCCTAAACCCCAAAATATC	11527
Sus	GCCCTCATAGCCCTACATTTCTACCACTACTACTGACCTTAAACCCCTAAAATTAATC	11545
Oryctolagus	ACTCTTATAGTACTTACCTAGCCCTACTCTCTATCACTTAAACCCCAAAATATC	11557
Lepus	ACTCTCATAACTACTCCCTAGCAGCTCTCTCTCTCTTATCTATTAATCTTAAATCATC	11549
Homo	ACCCTCATGTTTATACACCTTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	11544
Rattus	CACTCTAGCTCTACCTTTTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	11506
Mus	CACTAATAGCTCTTACATAAATTCCTATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	11531
Sciurus	ACCCTCATAAATATACATATTTTCCCTTAACTCTTACTATCAATCAACCCCTAAAATTAT	11554
Erinaceus	CTACTATAACTTTACATATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	11552

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tRNA-His

Canis	CTCGGTCCCATCTACTGTAAGCATAGTTTAAACAAAAACATTAGATTGTGAGTCTAACAA	11622
Halichoerus	CTAGGACCCATCTACTGTAATATAGTCTAAAAAAGATATTAGATTGTGAATCTAATGAC	11602
Felis	CTAGGCCCATTTACTGTAAATATAGTTTAAACAAAAACATTAGATTGTGAATCTAATAT	11614
Equus	CTAGGCTTTACGTACTGTAAATATAGTTTAAACAAAAACATTAGATTGTGAGTCTAGAAAC	11626
EquusAsinus	CTAGGCTTTACGTACTGTAAATATAGTTTAAACAAAAACGCTAGATTGTGGATCTAGAAAC	11623
Ovis	CTAGGCCCTTATCTGTAAATATAGTTTAAACAAAAACATTAGATTGTGGATCTAATAAT	11595
Capra	CTAGGCCCTTATCTGTAAATATAGTTTAAACAAAAACATTAGATTGTGAATCTAATAAT	11588
Bos	CTAGGACCTCTACTGTAAATATAGTTTAAACAAAAACATTAGATTGTGAATCTAACAAT	11587
Sus	CTAGGACCCCTTACTGTAGATATAGTTTAAACAAAAACCTAGATTGTGAATCTAGTAAT	11605
Oryctolagus	TTAGGCTAATATTTCTGTAAATATAGTTTAAACAAAAACATTAGATTGTGAGTCTAATAAT	11617
Lepus	TTAGGCCAATATTTCTGTAAATATAGTTTAAACAAAAACATTAGATTGTGAATCTAATAAT	11609
Homo	ACCGGCTTTCTCTGTAAATATAGTTTAAACAAAAACATTAGATTGTGAATCTGACAAAC	11604
Rattus	CAAGGCTTAACTTGT	11566
Mus	ACAGGCTGACAAATATGTGAATATAGTTTAAACAAAAACATTAGACTGTGAATCTGACAAAC	11591
Sciurus	TTAGGTCAACTTTATTGTAAATATAGTTTAAACAAAAACATTAGATTGTGAATCTAATAAT	11614
Erinaceus	CTTGGTAACTCTATGTAAATATAGTTTAAACAAAAACATTAGATTGTGAATCTAATAAT	11611

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tRNA-Ser

Canis AAAAGCTCAA-ACCTTTTGTCTTACCGAAAAAGTACTGCAAGAACTGCTAATTC-ATGCT 11680
 Halichoerus AAAAGCTCAA-ACCTTTTATTATACCGAAAAAG-AATGCAAGAACTGCTAATTC-ATGCC 11659
 Felis GGAAGTGCAA-GTCTTCTTATTTACCGAAAAAGTA-TGCAAGAACTGCTAATTC-ATGCC 11671
 Equus AGAAACTTAA-TATTTCTTATTTACCGAGAAAGTA-TGCAAGAACTGCTAATTC-ATGCC 11683
 EquusAsinus AGAAACTCAA-TATTTCTTATTTACCGAGAAAGTA-TGCAAGAACTGCTAATTC-ATGCT 11680
 Ovis AGAAGACTATCACCTTCTTATTTACCGAAAAAGTA-TGCAAGAACTGCTAATTCATGCC 11654
 Capra AGAAGCCTATCACCTTCTTATTTACCGAAAAAGTA-TGCAAGAACTGCTAATTCATGCT 11647
 Bos AGAAACTCATTACCTTCTTATTTACCGAAAAAGTA-TGCAAGAACTGCTAATTCATGCT 11646
 Sus AGAAAAATTAA-ATATCTTATCTACCGAAAAAGTT-TGCAAGAACTGCTAATTC-ATGCT 11662
 Oryctolagus AGGAGACTGC-ACCTCCTTATCTACCGAAGATGTC-TGCAAGAACTGCTAATTC-ATGCC 11674
 Lepus AGAAGTTTGT-ATCTCCTTATTTACCGAAGATGCT-TGCAAGAACTGCTAATTC-ATGCT 11666
 Homo AGAGGCTTAC-GACCCCTTATTTACCGAGAAAGCT-CACAAGAACTGCTAATTC-ATGCC 11661
 Rattus **AGGAAATCAA--ATTCCTTATTTACCAAGAAAGTA-TGCAAGAACTGCTAATTC-ATGCA** 11622
 Mus **AGGAAATAAA--CCTCCTTGTTCACCAAGAAAGAT-TGCAAGAACTGCTAATTC-ATGCT** 11647
 Sciurus **AGAAGATAAT-ATCCTCTTATTTACCAAGAAAGTA-TGCAAGAACTGCTAATTC-ATGCC** 11671
 Erinaceus **AGAGCATTA--TCTCTTATTTACCGAAAAAGAT-TTTAAGGAAGTCTAATTC-TTATC** 11666
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tRNA-Leu

Canis CCCATGCTATAA-GAACATGGCTTTTTTCAA-CTTTTATAGGATAGAAGTA-ATCCGTT-GG 11736
 Halichoerus CCCACGTATAA-AAACGTGGCTTTTTTCAA-CTTTTAAAGGATAGAAGTA-ATCCATT-GG 11715
 Felis TCCACGTATAA-AAACGTGGCTTTTTTCAA-CTTTTATAGGATAGAAGTA-ATCCATT-GG 11727
 Equus CCCATGTCCAACAAACTATGGCTCTCTCAAACTTTTAAAGGATAGGAGCT-ATCCGTT-GG 11741
 EquusAsinus TCCGCGTCTGACAAACACGGCTCTCTCAAACTTTTAAAGGATAGGAGCT-ATCCGTT-GG 11738
 Ovis CCCATGTCTAA-TAGCATGGCTTTTTTCAAACCTTTTAAAGGATAGTAGTT-ATCCATTGG 11712
 Capra TCCATGTCTAA-CAACATGGCTTTTTTCAAACCTTTTAAAGGATAGTAGTT-ATCCATT-GG 11704
 Bos CCCATATCTAA-TAGTATGGCTTTTTTCAAACCTTTTAAAGGATAGTAGTTATCCGTT-GG 11704
 Sus TCCACACTTAA-AAATGTGGCTTTTTTCAAACCTTTTAAAGGATAGCAGTT-ATCCGTT-GG 11718
 Oryctolagus CCCATGTCTAA-CCCCATGGCTTTTTTCAAACCTTTTAAAGGATAGAAGTA-ATCCGTT-GG 11730
 Lepus CCCATGACTAA-TCTCATGGCTTTCTCAA-CTTTTATAGGATAGAAGTA-ATCCGTT-GG 11722
 Homo CCCATGTCTAA-CAACATGGCTTTCTCAA-CTTTTAAAGGATACAGCT-ATCCATT-GG 11717
 Rattus **CCCATACCTAAACATATGGCTTTCTT--CTTTTATAGGATAGAAGTA-ATCCATT-GG** 11678
 Mus **TCCATGTTTAAAA-ACATGGCTTTCTTA--CTTTTATAGGATATAGTA-ATCCATT-GG** 11702
 Sciurus **TCCACGCTTAA-ACCGTGGCTTTCTTAA-CTTTTATAGGATAGAAGTA-ATCCATT-GG** 11727
 Erinaceus **CCCATTTTAAATCTTGTGGCTTTTTTAC-TTTTATAGGATGACAGTA-ATCCATT-GG** 11723
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NDS

Canis TCTTAGGAACCAAAAAATT-GGTGCAACTCCAGATAAAAGTAATAAATATATTTTCTTCA 11795
 Halichoerus TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTTCC 11774
 Felis TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTACCTCA 11786
 Equus TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCC 11800
 EquusAsinus TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCC 11797
 Ovis TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCC 11771
 Capra TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCC 11763
 Bos TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCA 11763
 Sus TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCA 11777
 Oryctolagus TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCA 11789
 Lepus TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCA 11781
 Homo TCTTAGGCCCCAAAAATTTTGGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCA 11777
 Rattus **TCTTAGGAACCAAAAACTTGGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCA** 11738
 Mus **TCTTAGGAACCAAAAACTTGGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCA** 11762
 Sciurus **TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCT** 11786
 Erinaceus **TCTTAGGAACCAAAAAATT-GGTGCAACTCCAAATAAAAGTAATAAATATATTTCTCTCT** 11780

Canis TGCATAATCACAGCCCTAGTTATTTCTTACTTTGCCCATCATATATCTCTACTAACTTT 11855
 Halichoerus TCTATCATCACAACTATCCATACCTAACCTCCCAATCGTCTTAACAGCAGCTCAATC 11834
 Felis CTCATACTAACTGCAATATTTATCTACTCTGCCCCATCATATATCTAACACCCCACTG 11846
 Equus CTCATACTAGTTTCACTATGACTTAACCTCCCAATCATATATCAATCTCTCAATACC 11860
 EquusAsinus CTCATGCTAGCTCATATAGTATTAACCTACCAATCATATCATCTCTCAATACC 11857
 Ovis CTCACACTAGTACCCCTAATTTCTACTAACCATACCCATCGCAGCAATCAATTTTAAACCC 11831
 Capra CTGTGACTAACCACCTTAACCTATTAACCGACCCATCATAATAACCACTCAATATC 11823
 Bos CTCTCACTAGTTACTTTACTCTTACTAACTATACCCATTATAATAAAGCTTTAAACCC 11823
 Sus CTCACATTAAACCACTGACTATTTCAACCATCCCAATTATAATATCTCAACTCAACATC 11837
 Oryctolagus TCTGTAGCTGTATCAATGATTATTTTGTCTCTCTATGTGGCTCTTTCACTAACATT 11849
 Lepus TCAATAGCCGTCTCAATCATTTATCTAGTTCTCTCCCATCATAGCCTCATTTACCAACATT 11841
 Homo **ATAACCAACCTTAACCTGACTTCCCTAATTTCCCTCCATCTCTTACCACCTCGTTAACCTT** 11837
 Rattus **ATAACCAACCTTAACCTGACTTCCCTAATTTCCCTCCATCTCTTACCACCTCGTTAACCTT** 11798
 Mus **TCAATTTTATTAATCTTGTCTCTCTACTATCTCCCAATCTCAATTTCAATATCAACCTA** 11822
 Sciurus **TTAATCTTATATCACTTATTAATCTTATTTATTTCTTCTTCTTCTTCTTCTTCTTCTTCT** 11846
 Erinaceus **ACTACATTAATTAATCTTGTAAATATAAATATACCTATCTCTTATCTATTAGCCCTAAT** 11840
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Canis	AATTATATTCTTTGCTCTACTAGGCCAGCCCGCTTCTCCCCTATAATCCTTATCAACGA	13111
Halichoerus	AATTATATTCTTCGCACTCCTAGATCAGCCTCGATTTAACCCCATAAATACAAATCAACGA	13090
Felis	AATTATATTCTTTGTGCTACTAGGACAAACCGATTCAATACCTTGAACTCAATCAATGA	13102
Equus	AATCATCTTCTTTGCACTCCTAGGGCAACCCCGCTTCTCCTCTGACCTCAATCAACGA	13116
EquusAsinus	AATTATCTTCTTCGCACTCCTAGGACAAACCCCGCTTCTCCTCTAACCCAAATCAACGA	13113
Ovis	CATTATCTTTTTTGCACCTCCTAGGACAAACCCCGATTTCACACCTCATTAATATCAATGA	13087
Capra	TATTATTTTTTTCGCACTCCTAGGACAAACCCCGATTCCCACTCTTATTACTATTAATGA	13079
Bos	TATTATTTTTTTCGCACTTCTAGGACAAACCCCGATTCCCTACCTAGTTAATATTAACGA	13079
Sus	AATTATCTTCTTTGCATTCCTAGGGCAATCAGCTTTCACACCCCTAGTTCTAATTAATGA	13096
Oryctolagus	AATTATCTTCTTCGCCCTCCTGGGTCAACCCCGTTACCCAGCCCTTATTGTTATTAACGA	13105
Lepus	AATTATCTTTTTTTCGCCCTTCTTGGACAAACCTCGCTATCCTACCCCTATTATTATTAATGA	13097
Homo	AATAATCTTCTCACCCTAACAGGTCAACCTCGCTTCCCCACCCCTACTAACATTAACGA	13093
Rattus	A A C T A T C C T A C A A A A A A A A A T C C A A A A A A A A A A	13054
Mus	AATCATTTACCTTCGTAAACAATCAACCAACGTTTTCTCCTCCCTAAATCTCTTGAAG	13078
Sciurus	AATTATTTTTTTCGCCCTAATAGGACAAACCTCGATTCTCTTCACTTACTTCAATCAATGA	13096
Erinaceus	TATAATCATTAATTTTATTAAAAACCCCGATATAATACTATAGTTTCAATTAATGA	13093

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Canis	GATAATCCTCTCCTAATTAACCTCTATTAAACGACTCCTTATCGGAAGTGATTTGCAAG	13171
Halichoerus	GAACAGCCCACTCCTAATTAATCCCATTTAAACGCCTACTACTAGGAAGCATTTTTCAGG	13150
Felis	AAATAATACCCACCTCATCAATCCATTAACCGTCTCTTAATCGGAAGTATCTTTCAGG	13162
Equus	AAATAACCCCTTTCTAATTAATCTCCATCAACGCCTCTTAATTTGGCAGCATTTTTCGCG	13176
EquusAsinus	AAACAACCCCTTTCTAATTAATCTCCATTTAAACGCCTCCTAATTTGGCAGCATTTTTCGCG	13173
Ovis	AAATAACCCCTTCTAATTAATCTCAATCAACGCCTTACTAATTTGGAAAGCCTATTTCAGG	13147
Capra	AAACAACCCATTCCTAATTAATCTCAATCAACCCCTTATTAATTTGGAAAGCCTTTTCAGG	13139
Bos	AAACAACCCCTTCTGATCACTCTATCAACGCCTTACTAATTTGGAAAGCCTCTTCGAGG	13139
Sus	AAATAACCCCTTCTAATTAATCTTAAACGCCTTTAATCGGAAGCCTATTTCGCTGG	13156
Oryctolagus	AAATAACCCCTCTACTCATTAATCTCTATTAAACGCCTTGCACCTAGGAAGCATTTTTCAGG	13165
Lepus	AAACAACCCATCATTAATTAATCTCTATTAAACGCCTCTCGCACTTGGAAAGTATTTTTCAGG	13157
Homo	AAATAACCCCACTCAATAACCCCATTTAAACGCCTGGCAGCCGGAAGCCTATTTCGAGG	13153
Rattus	AAA AA C C A A A C C T A T T A A T C C A A T C A A A C C C A A C A T A C C A A C A T C T A G A G	13114
Mus	AAATGACCCAGACCTCATAAACCCCAATCAACGCCTAGCATTCGGAAGCATCTTTTCAGG	13138
Sciurus	AAATAACCCCACTCAATAAACCTCTATTAAACGTTTTACTATTTTGGAAAGCATCTTTTCAGG	13156
Erinaceus	AAATAATATGTATATACTAATTTCTATCAAGCGTCTAATAATTTGGTAGCATCTTTTCAGG	13153

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Canis	GTATATTATCTCCACAGCATCACCCCACTACCATCCACAGATAACTATGCCTCATTA	13231
Halichoerus	GTAATTATCTCCTACAACTTACACCCACCTCCACTCCACAATAACTATACCCCATTA	13210
Felis	ATATCTAATTTCTTACAACATCCCCCAACAACTATCCCAAAATAACTATACCCCTACTA	13222
Equus	ATTCTTCATCTCCCAAAATATCTACCCCAACCGTCCCAAGAAATAACTATACCCCTACTA	13236
EquusAsinus	ATTCTTCATCTCAACAAATATCTACCTTACAAACCATCCCAAGAAATAACTATGCCTCATTA	13233
Ovis	GTTCAATTATCTCTAATAACATCCCTCAATAACAATCCCCAAATAACCATACCCCACTA	13207
Capra	ATTTATCAATTTCCCAAAATATTTCCCAAAATAACAATCCCCCAATAACTATACCCCACTA	13199
Bos	ATACATCATTTCCCAACAAATATCTCCTCAACAAACATTTCCCAAAATAACTATGCCTCATTA	13199
Sus	CTTTATCATCTCCCAACAACTCCCAACAAACAGTACCAAAACAAACAAATACCCCTTTA	13216
Oryctolagus	ATTCTTAATTTCCCAAAATATTTCCCAAAACAAATGTCCCTCAAAATAACTATACCCCTATA	13225
Lepus	CTTCCTTATCTCCAATCTTATTTCACTTAATAATGTCCCAAAATAACTATGCCTTTATA	13217
Homo	ATTTCTCATTAACAACATTTTCCCCCGCATCCCCCTTCCAACAAACATCCCCCTCTA	13213
Rattus	TTTCCTTATCTCAAAAATTTCTCTCAAAATTTCTCAAAATTTCTCAAAATTTCTCAAAATTTCTCA	13174
Mus	ATTTGTATCTCATATAATATCCCAACCAACCAATTCATCTCAATACCATGATT	13198
Sciurus	ATTCCTACTTTTATATAATATTTCCCCCAATAAACACTCCTTTATTAACCATACCTTTTATA	13216
Erinaceus	TTTTATGTTTACATATAGTATTAACCCCTTATTTATTTCTCCCAACCAACCATACCCCAATA	13213

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Canis	TCTAAAAATGACAGCCCTTGCAGTAACCACTTGGGTTTCATCCTGGCACTAGAACTAAA	13291
Halichoerus	CCTAAAACTGATAGCCTTAACCGTAACGCTTCTGGGCTTCATCCTAGCACTAGAACTGAA	13270
Felis	TCTAAAACTAACTGCTCTTGCCGTGACTATCGCAGGCTTCATCCTAGCATTAAGAACTTAA	13282
Equus	CATAAACTCACCGCCCTCGCAGTAACCATCTAGGATTTACACTAGCCCTAGAACTAAG	13296
EquusAsinus	CATGAACTTACCGCCCTCACGCTAACCATCTAGGATTTCACTAGGCTTACGAACTAAG	13293
Ovis	TCTAAAAATAACTGCCCTAACAGTCAACATCCTAGGCTTTATTTAGCACTAGAAATCAG	13267
Capra	TCTAAAAATAACTGCCCTAGCCTACATCAACATCCTAGGCTTTATTTAGCGCTAGAGATTAAG	13259
Bos	CCTAAAAACAAAGCCCTAATTTGTTCACATCCTAGGCTTTCATCTAGCCCTAGAAATCAG	13259
Sus	CATAAAAAATAAGCCCTAATCGTAACCATCATAGGATTCATCTAGCCCTAGAGCTAAA	13276
Oryctolagus	TATAAAAAATACTGCTCTATTGTACCATTTAGGCTTTACTATTGCAATAGAACTTAA	13285
Lepus	TATGAAAAATAACCGCCCTATTTGTCTACTATTTTAGGCTTTTCTATTGCTATAGAACTTAA	13277
Homo	CCTAAAACTCAAGCCCTCGCTGTCACTTTCTAGGACTTCTAACAGCCCTAGACCTCAA	13273
Rattus	TTAAAAA AA A C C C A	13234
Mus	TTTAAAAACTACAGCCCTAATTTATTCAGTATTAGGATTCCTAATCGCACTAGAACTAAA	13258
Sciurus	CCTAAAACTACTGCTTTATTTGTTCACATTCGAGGATTTATTTATCGCCATAGAACTAAA	13276
Erinaceus	TATAAAATTAATACTTAATTTGCAACCTTTATTTGGACTTATAGTACGATTAATTAAG	13273

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[illegible]

Canis	AATCCCAACCGCTAATAATTAGCAACAGCCCAACATAAATAGGAGATGGTTTGTAGTGGCAAA	14052
Halichoerus	AACAGCCCCACTAATAATCAAAACAAAGCCCAACATAAATGGGGGAAGGCTTAGAAGAAAA	14031
Felis	AGTACCACAGCCACAATTAAACCAACCCACCAATAAATGGAGAAGGCTTTGAAGAAAA	14043
Equus	TACCCCTCCACTTACAAATCAGCACTAAACCCCAATAAATAGGTGAAGGTTTGAAGAAAA	14057
EquusAsinus	AATCTCTCCACTTACAAATCAAACTAAAGCCCCGTAAATAGGTGAAGGTTTGAAGAAAA	14054
Ovis	AACCCCAACCACTTACAAATTAACCCCAACCCCCCAATAAATAGGTGAAGGTTTGAAGAAAA	14028
Capra	CACCCCAACCACTCACAATTAACCCCTAACCCCCCAATAAATAGGCGAAGGTTTGAAGAAAA	14020
Bos	AACCCCAACCACTCACAATTAACCCCTAACCCCCCAATAAATAGGTGAAGGTTTGAAGAAAA	14020
Sus	AATCTCAACCACTTACAAATCAACCCCAAGTCCACCAATAAATAGGAGAGGGCTTAGAAGAAAA	14037
Oryctolagus	GACCCCAACCACTAACAATCAACCCCAAGCCCTCCATAAATTTGGTGATGGCTTAGAAGAAAA	14049
Lepus	AACCCCAACCACTAACAATTAACCCCAAGCCCTCCATAAATTTGGAGATGGCTTAGAAGCGAA	14042
Homo	GACCACACCGCTAACAATCAGTACTAAACCCCAATAAATAGGAGAAGGCTTAGAAGAAAA	14042
Rattus	AATACATCCACTAACAATCAAAATCCCAACCCCAATAAATAGGTGAAGGCTTAGAAGCGAA	13995
Mus	AACAAACCACTAACAATTAACCCCAAGCCCTCCATAAATAGGTGAAGGCTTAGAAGCGAA	14019
Sciurus	TACACCTCCACTAATAATTAATCTTAATCCCAATAAATAGGTGAAGGCTTAGAAGAAAA	14040
Erinaceus	AAAACAAACCACTAATAATTAATCTTAACCCCAATAAATAGGAGAGGGCTTAGAAGAAAA	14053

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tRNA-Glu

Canis	ACCCACAAAACCTATCACAAAAACGATACCTTAAATAAATACAAATGTATGTTATCATTTAT	14112
Halichoerus	TCCCAACAAAACCTAATAACAAAAATTAATCTTAAATAAACCAATATATGTCTCATTTAT	14091
Felis	ACTTACAAAGCTCACTACAAAAACGTACTTAAATAAATACAAATGTATGTTATCATTTAT	14103
Equus	CCCCACAAAACCTAACAACAAAAATAACACTCAAAATAAACACAAATATATGTCTCATTTAT	14117
EquusAsinus	ACCTACAAAACCAATAACAAAGATAACCGCTCAAAATAAACACAAATATATGTCTCATTTAT	14114
Ovis	CCCCACAAAACCTATCACAAAAATTAATCTTAAAGATAAACCAATGTATGTCTCATTTAT	14088
Capra	CCCCACAAAACCTATTACAAAGATAACCGCTTAAATAAATACAAATATATATTATCATTTAT	14080
Bos	CCCCACAAAACCTATCACAAAAATAACCGCTTAGAATAAATACAATGTATGTCTCATTTAT	14080
Sus	ACCAACAAACCCCAATAACAAAAATAGTACTTAAATAAATGCAATATACATTGTCTATTAT	14097
Oryctolagus	CCCAACAAACCCCATCACAAACATTACACTTAAATAAAACACTACGTATG---TCATAGT	14106
Lepus	CCCCACAAAACCAATTACAAACATTACACTCAATAAAAAATCATATATG---TCATAGT	14099
Homo	CCCCACAAACCCCATTAATAAACCCCACTCAACAGAAACAAAGCATACA---TCATTAT	14099
Rattus	CCCTAGACAAACCGCTCAAAACCTTAACCTTAAATTAACATTAATTTG---TCATTTAT	14052
Mus	CCCAAGACAAACCAACCAAAATTAATGAACCTTAAACCAAAATTAATTTAT---TCATTAT	14076
Sciurus	CCCTAAAAATCCTAAAACAAAATTAATTAATTAACAGTACGTATCATATG---TGATTAT	14097
Erinaceus	ACTAATAAAACCTATCACAAAAATTAATGTCTAAATAATAGTATCAGATAAATTAATCATAA	14113

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Canis	TCCTACATGGAATTTAACCATGACTAATGACATGAAAAATCATCGTTGTATTTCAACTAT	14172
Halichoerus	TCCCACATGGAATCTAACCATGACCAATGACATGAAAAGCCATCGTTGTATTTCAACTAT	14151
Felis	TCTCACATGGAATTTAACCATGACTAATGATATGAAAAACCAATCGTTGTATTTCAACTAT	14163
Equus	TCCCACGTGGAATCTAACCACGACCAATGACATGAAAAATCATCGTTGTATTTCAACTAT	14177
EquusAsinus	TCCCACGTGGAATCTAACCACGACTAATGACATGAAAAATCATCGTTGTATTTCAACTAT	14174
Ovis	TCTCACATGGAATCTAACCATGACCAATGATATGAAAAACCAATCGTTGTATTTCAACTAT	14148
Capra	TCTCACATGGAATCTAACCATGACCAATGATATGAAAAACCAATCGTTGTATTTCAACTAT	14140
Bos	TCTCACATGGAATCTAACCATGACTAATGATATGAAAAACCAATCGTTGTATTTCAACTAT	14140
Sus	TCTCACATGGAATTTAACCATGACCAATGACATGAAAAATCATCGTTGTATTTCAACTAT	14157
Oryctolagus	TCTTACATGGAATTTAACCATGACTAATGACATGAAAAATCATCGTTGTATTTCAACTAT	14165
Lepus	TCTTACATGGAATCTAACCATGACTAATGACATGAAAAATCACCGTTGTATTTCAACTAT	14158
Homo	TCTCGACGGACTACAAACCAACCAATGATATGAAAAACCAATCGTTGTATTTCAACTAT	14159
Rattus	TTCTACACAGCCTTTAACCTGCTGCTAATGACATGAAAAATCATCGTTGTATTTCAACTAT	14112
Mus	TTCTACACAGCATTTAACCATGCGACCAATGACATGAAAAATCATCGTTGTATTTCAACTAT	14136
Sciurus	TTTTCATGGAATCTAACCATGACCAATGACATGAAAAATCATCGTTGTATTTCAACTAT	14157
Erinaceus	TCTTACACGAAAAATTT-TCGCGGCCTATGATATGAAAAATCATGTTGTATTAACCTCAACTAT	14172

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CytB

Canis	AAGAACAT-TAATGACCAACATTCGAAAAACCCACCCACTAGCCAAAAATGTTTAATAAAT	14231
Halichoerus	GAGAACAC-TAATGACCAACATTCGAAAAACCCATCCACTAATAAAAAATTAACAACAT	14210
Felis	AAGAAC-T-TAATGACCAACATTCGAAAAATCACACCCCTTATCAAAATTTATTAACAT	14221
Equus	AAGAACAC-CAATGACAAACATTCGGAATCTCACCCACTAATTAATAATCATCAATCACT	14236
EquusAsinus	AAGAACAC-TAATGACAAACATTCGAAAAATCCACCCGCTAATTAATAATCATCAATCACT	14233
Ovis	AAGAACAC-TAATGATCAACATTCGAAAAACCCACCCACTAATAAAAAATTTGTAACACG	14207
Capra	AAGAACAC-TAATGACCAACATTCGGAAGACCCACCCATTAATAAAAAATTTGTAACACG	14199
Bos	AAGAACAC-TAATGACTAACATTCGGAAGTCCACCCACTAATAAAAAATTTGTAACACG	14199
Sus	AAGAACCCT-TAATGACCAACATTCGGAAGATCACCCACTAATAAAAAATTTGTAACACG	14216
Oryctolagus	AAGAAC-C-TAATGACCAACATTCGGAAGACCCACCCCTAATAAAAAATTTGTAACACCT	14223
Lepus	AAGAAC-C-TAATGACCAACATTCGTAAGACCCACCCCTAATAAAAAATTTGTAACACCT	14216
Homo	AAGAACAC-CAATGACCCCAATACGCAAAATTAACCCCTAATAAAAAATTTAATTAACCT	14218
Rattus	AAGAACATCTAATGACAAACATTCGGAAGATCTCACCCCTAATTAATAATCATCAACCT	14172
Mus	AGAAACACATAATGACAAACATACGAAAAACACCCCAATTAATAAAAAATTTAATTAACCT	14196
Sciurus	AAAAACAT--AATGACAAATATTCGCAAAACCCACCCCTAATCAAAATCGTTAATCACT	14215
Erinaceus	AAGAACCCT--AATGATAAATATACGAAAAACTCATCCCTAATAAAAAATTTAATAAAT	14230

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Canis	CATTCAATTGACCTCCCAAGCGCCGTCTAAACATCTCTGCTTGATGGAACCTTCGGATCCTTAC	14291
Halichoerus	CATTTATCGACCTACCCACACCGTCAAATATCTCAGCATGATGAAACTTTGGATCTCTTC	14270
Felis	CATTCAATCGATCTACCCGCCCCATCTAACATCTCAGCATGATGAAACTTCGGCTCCCTTC	14281
Equus	CTTTTATTGACCTACCAAGCCCCCTCAAACATTTTCATCATGATGAAACTTCGGCTCCCTCC	14296
EquusAsinus	CTTTTATCGACCTGCCAACCCCTCAAACATTTTCATCATGATGAAACTTTGGCTCCCTCC	14293
Ovis	CATTCAATTGATCTCCAGCTCCATCAAATATTTTCATCATGATGAAACTTTGGCTCTCTCC	14267
Capra	CATTTATTGACCTCCCAACCCCATCAAACATCTCATCATGATGAAACTTTGGATCCCTCC	14259
Bos	CATTCATCGACCTTCCAGCCCCATCAAACATTTTCATCATGATGAAACTTCGGTCCCTCC	14259
Sus	CATTCAATTGACCTCCCAAGCCCCCTCAAACATCTCATCATGATGAAACTTCGGTCCCTCT	14276
Oryctolagus	CCCTAATTGACCTTCTCTGCTCCATCAAACATCTCTGCTGATGAAACTTTGGCTCTCTAC	14283
Lepus	CTCTAATCGACCTTCCCGCCCCCTCAAACATCTCTGCTGATGAAACTTCGGCTCTCTAT	14276
Homo	CATTCAATCGACCTCCCCACCCCATCCAAACATCTCCGCATGATGAAACTTCGGCTCACTCC	14278
Rattus	CCTTTATCGACCTACCGGCCCCATCTAACATCTCATCATGATGAAACTTCGGTTCCTCTAC	14232
Mus	CATTCATTTGACCTAACCGCCCCATCAAACATTTTCATCATGATGAAACTTTGGTCCCTTC	14256
Sciurus	CTTTTATTGACCTCCAGCTCCCTCAAACATCTCAGCCTGATGAAACTTTGGCTCACTCC	14275
Erinaceus	CTTTCATTGATTTACCGACTCCATCTAATATTTCTTCTTGATGAAATTTTGGTTCAATAC	14290
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Canis	TAGGAGTATGCTTGATTCTACAGATTCTAACAGGTTTATTCTTAGCTATGCACTATACAT	14351
Halichoerus	TCGGAATCTGCCTAATCCTACAGATCTTAACAGGCTTATTCCTAGCCATACACTACACCT	14330
Felis	TAGGAGTCTGCCTAACCTTACAAATCCTCACCGGCCCTCTTTTGGCCATACACTACACAT	14341
Equus	TAGGAATCTGCCTAATCCTCCAAATCTTAACAGGCCATTCTAGCCATACACTACACAT	14356
EquusAsinus	TAGGAATCTGCCTAATCCTCCAAATCTTAACAGGCCATTCTAGCCATACACTACACAT	14353
Ovis	TAGGCATTTGCTTAATTTTACAGATTCTTAACAGGCCATTCTAGCAATACACTATACAC	14327
Capra	TAGGAATTTGCCTAATCTTACAAATCTGACAGGCCATTCTAGCAATACACTATACAT	14319
Bos	TGGGAATCTGCCTAATCCTACAAATCTCAGAGGCCATTCTAGCAATACACTACACAT	14319
Sus	TAGGCATCTGCCTAATCTTGCAAACTCCACAGGCCGTGTTCTTAGCAATACACTACACAT	14336
Oryctolagus	TAGGCCGTGTCCTTATAATTCAATTTTCACTGGCCTATTCTTAGCCATACACTACACCT	14343
Lepus	TGGGATTATGCCTAATAATCCAGATCTCAACTGGCTTATTTCTAGCCATACACTACACAT	14336
Homo	TTGGCGCCTGCCTGATCCTCCAAATCCACAGGACTATTCTAGCCATACACTACTACAC	14338
Rattus	TAGGAGTATGCCTCATAGTACAAATCTCACAGGCTTATTCTAGCAATACACTACACGT	14292
Mus	TAGGAATCTGCCTAATAGTCCAAATCATCACAGGCCCTTTCTTAGCCATACACTATACAT	14316
Sciurus	TTGGAATTTGCTCTCTAATTCAAATCTTAACCGGCCATTCTTAGCTATACACTATACAT	14335
Erinaceus	TAGGCCATATGCCTAATTACCCAGATTATTACAGGTTTATTTTAGCTATACACTATACGT	14350
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Canis	CGGACACAGCCACAGCTTTTTATCATAGTACCCACATCTGCCGAGACGTTAACTACGGCT	14411
Halichoerus	CAGACACAACCACAGCCTTCTCATAGTAACCCACATCTGCCGAGACGTTAACTACGGCT	14390
Felis	CAGACACAATAACCGCCTTTTATCATAGTTACCCACATCTGTGCGCAGCTTAATTATGGCT	14401
Equus	CAGACACGACAACAGCCTTCTCATAGTACCCACATCTGCCGAGACGTTAACTACGGAT	14416
EquusAsinus	CAGACACTACAACAGCCTTCTCATAGTACCCACATCTGCCGAGACGTTAACTACGGAT	14413
Ovis	CTGACACAACAACAGCATTCTCTCTGTAAACCCACATTTGCCGAGACGTTAACTATGGCT	14387
Capra	CCGACACAATAACAGCATTTTCTCTGTAACTCAATTTGTGCGAGATGTTAACTATGGCT	14379
Bos	CCGACACAACAACAGCATTTCTCTCTGTAAACCCATATCTGCCGAGACGTTAACTACGGCT	14379
Sus	CAGACACAACAACAGCCTTCTCATAGTTACACACATTTGTGCGAGACGTTAACTACGGAT	14396
Oryctolagus	CTGACACAACAACAGCATTTCTCATAGTAAACCCATATTTGCCGAGATGTTAACTATGGCT	14403
Lepus	CAGACACAGCTACAGCATTTCTCTCATAGTTACACATATTTGCCGAGATGTTAACTACGGCT	14396
Homo	CAGACGCTCAACCGCCTTTTATCATCAATCGCCACATCACTCGAGACGTTAACTATGGCT	14398
Rattus	CTGATACCAATAACAGCATTTCTCATAGTACCCACATCTGCCGAGACGTTAACTACGGCT	14352
Mus	CAGATACAATAACAGCCTTTTATCATAGTAAACACATTTGTGCGAGACGTTAACTACGGCT	14376
Sciurus	CAGACACAATAACAGCTTTTTCTTCCGTTACTACATCTGCCGAGACGTTAACTATGGCT	14395
Erinaceus	CAGATACAGTTACAGCATTTTATCATCTTACTCAATTTGCCGAGATGTTAACTACGGTT	14410
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Canis	GAATTATCCGCTATATGACAGCAAATGGCGCTTCCATATTCTTTATCTGCCTATTCTTAC	14471
Halichoerus	GAATCATCCGTTATCTTACGCAAAATGGAGCTTCCATATTCTTATCTGCCTATACATGC	14450
Felis	GAATCATCCGATATTTACAGCCAAACGGAGCTTCTATATTCTTTATCTGCCTGTACATAC	14461
Equus	GAATTATTCGCTACCTCCATGCCAACGGAGCATCAATATTTTTTATCTGCCTCTTCACTC	14476
EquusAsinus	GAATCATTCGCTACCTCCATGCCAACGGAGCATCCATATTTTTTATCTGCCTCTTATCC	14473
Ovis	GAATTATCCGATATATACAGCAAACGGGGCATCAATATTTTTTATCTGCCTATTTATGC	14447
Capra	GAATCATCCGATACATACAGCAAACGGAGCATCAATATTTCTTTATCTGCCTATTATATC	14439
Bos	GAATCATCCGATACATACAGCAAACGGAGCTTCAATGTTTTTATCTGCCTATATATGC	14439
Sus	GAGTTATTCGCTATCTACATGCAACGGAGCATCCATATTCTTTATTTGCCTATTCATCC	14456
Oryctolagus	GACTTATCCGATACCTCCAGCTAACGGAGCATCTATATTCTTTATTTGCCTATACATAC	14463
Lepus	GACTCATTCGTTACTTACAGCTAATGGAGCATCAATATTCTTTATTTGCCTATATATAC	14456
Homo	GAATCATCCGCTACCTTACAGCCAAATGGCGCCTCAATATTCTTTATCTGCCTCTTCTAC	14458
Rattus	GACTAATCCGATACCTACAAGCCAAACGGCGCCTCAATATTTTTTATCTGCCTATTCTTC	14412
Mus	GACTAATCCGATATATGACGCAAAACGGAGCCTCAATATTTTTTATTTGCTTATTCCTTC	14436
Sciurus	GATTAATCCGATACATGCATGCCAACGGCGCTTCCCTATTCTTCAATTTGCCTGTTCCCTC	14455
Erinaceus	GGCTAATTCGTTATACATGCAATGGCGCCTCAATATTTTTTATGTCCTATTTTTAC	14470
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Canis	ATGTAGGACGAGGCCTATATTACGGATCCTATGTATTCATAGAAACATGAAACATTGGAA	14531
Halichoerus	ATGTGGGACGAGGACTATATTACGGCTCTTACACATTCACAGAGACATGAAACATCGGCA	14510
Felis	ATGTAGGACGCGGGAATATACTACGGCTCCTACACCTTCTCAGAGACATGAAACATTGGAA	14521
Equus	ACGTAGGACGCGGCCTCTACTACGGCTCTTACACATTCCTAGAGACATGAAACATTGGAA	14536
EquusAsinus	ACGTAGGGCGCGGCCTCTACTATGGCTCCTACACATTCCTAGAAACATGAAACATTGGAA	14533
Ovis	ATGTAGGACGAGGCCTATACTATGGATCATATACCTTCTAGAAACATGAAACATCGGAG	14507
Capra	ATATCGGACGAGGTCTATATTATGGATCATATACCTTCTAGAAACATGAAACATTGGAG	14499
Bos	ACGTAGGACGAGGCTTATATTACGGGTCTTACATTTTCTAGAAACATGAAATATTGGAG	14499
Sus	ACGTAGGCCGAGGTCTATACTACGGATCCTATATATTCTAGAAACATGAAACATTGGAG	14516
Oryctolagus	ACGTAGGCCGCGAATCTACTATGGATCATACATACCTAGAGACCTGAAACATTGGCA	14523
Lepus	ATGTAGGCCGTGGAATCTACTACGGCTCATATACCTAGAAACCTGAAACATTGGCA	14516
Homo	ACATCGGGCGAGGCCTATATTACGGATCATTTCTCTACTAGAAACCTGAAACATCGGCA	14518
Rattus	ATGTGGGACGAGGACTATACTATGGATCCTACACTTTCTAGAAACCTGAAACATTGGGA	14472
Mus	ATGTCTGACGAGGCTTATACTATGGATCATATACATTTATAGAAACCTGAAACATTGGAG	14496
Sciurus	ATGTAGGCCGTGGCCTTTATTATGGTTCTACTTACTTTGAAACCTGAAATATTGGAG	14515
Erinaceus	ATATCGGCCGAGGCCTTTATTACGGATCATCTTATTTTATGAAACATGAAATATTGGAA	14530

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Canis	TTGTACTATTATTCGCAACCATAGCCACAGCATTTCATGGGCTATGTACTACCATGAGGAC	14591
Halichoerus	TTATCCTCTTATTCACCATCATAGCCACGGCATTTCATGGGCTACGTCCTACCATGAGGAC	14570
Felis	TCATACTATTATTTACAGTCATAGCCACAGCTTTTATGGGATACGTCCTACCATGAGGCC	14581
Equus	TCATCCTACTTTTCACAGTTATAGCTACAGCATTTCATGGGCTATGTCTCTACCATGAGGCC	14596
EquusAsinus	TTATCCTACTTTTCACAGTAATAGCCACAGCATTTCATAGGCTATGTCTCTACCATGAGGAC	14593
Ovis	TAATCCTCCTATTTGCGACAATAGCCACAGCATTTCATAGGCTATGTTTTCACCATGAGGAC	14567
Capra	TAATCCTCCTGCTCGCAACAATGGGCCACAGCATTTCATAGGCTATGTTTTCACCATGAGGAC	14559
Bos	TAATCCTTCTGCTCACAGTAATAGCCACAGCATTTCATAGGATACGTCCTACCATGAGGAC	14559
Sus	TAGTCCTACTATTTACGTTTATAGCAACAGCCTTCATAGGCTACGTCCTCGCCTGAGGAC	14576
Oryctolagus	TCATCCTCCTATTCGCGAGTAATAGCCACAGCATTTCATGGGTTATGTCTCTCCCATGAGGAC	14583
Lepus	TTATTCTACTATTCGCGAGTAATGGCTACAGCATTTCATAGGCTACGTCCTCCCATGAGGAC	14576
Homo	TTATCCTCCTGCTGCAACTATAGCAACAGCCTTCATAGGCTATGTCTCCTCGTGAGGCC	14578
Rattus	TCATCCTACTATTTGCGAGTCATAGCAACTGCAATTCATGGGCTATGTACTCCCATGAGGAC	14532
Mus	TACTTCTACTGTTTCGCGAGTCATAGCCACAGCATTTCATAGGCTACGTCCTTCCATGAGGAC	14556
Sciurus	TTATTCTTCTCTTTGCGAGTAATAGCCACTGCAATTCATAGGCTATGTACTTCCATGAGGAC	14575
Erinaceus	TTATTTTACTAATTATTACTATGGCTACAGCTTTTATGGGTTACGTCCTACCATGAGGTC	14590

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Canis	AAATATCATTTTGGAGGAGCAACTGTAACTACTAATCTTCTCTGCCATCCCTTATATCG	14651
Halichoerus	AAATATCATTTTGGAGGGCAACAGTCATTACCAATCTACTATCAGCAATCCCTTATATCG	14630
Felis	AAATGTCCTTCTGAGGAGCAACCGTAATCACTAACCTCCTGTACGCAATTCCTATACATCG	14641
Equus	AAATATCCTTTTGGAGGAGCAACAGTCATCGAAACCTCCTATCAGCAATTCCTATACATCG	14656
EquusAsinus	AAATATCCTTCTGAGGAGCAACGGTCAATACAAACCTCCTATCAGCAATCCCTTACATCG	14653
Ovis	AAATATCATTCTGAGGAGCAACAGTTATTACCAACCTCCTTTACGCAATTCCTATATTTG	14627
Capra	AAATATCATTTTGGAGGGCAACAGTCATCACTAATCTTCTTTACGCAATTCCTATATTTG	14619
Bos	AAATATCATTCTGAGGAGCAACAGTCATCACCACCTCTTATCAGCAATCCCTATACATCG	14619
Sus	AAATATCATTCTGAGGAGCTACGGTCATCACAATCTACTATCAGCTATCCCTTATATCG	14636
Oryctolagus	AAATATCATTTTGGGGAGCAACAGTCACTAACCTCCTATCAGCAATCCCTATATCG	14643
Lepus	AAATATCATTCTGAGGGGCTACCGTAATCTAATCTTCTATCAGCAATTCCTTATATCG	14636
Homo	AAATATCATTCTGAGGGGCCACAGTAATTACAACTTACTATCCGCTATCCCTATACATTG	14638
Rattus	AAATATCATTCTGAGGAGCTACAGTAATTACAACTTATATCAGCTATCCCTTATATTTG	14592
Mus	AGATATCATTCTGAGGCGCCACAGTTATTACAAACCTCCTATCAGCAATCCCTATATTTG	14616
Sciurus	AGATATCATTTTGGGCGCCACAGTTATCACAACCTCTTGTCTGCTATTCCTTATATTTG	14635
Erinaceus	AAATATCATTTCTGAGGCGCTACAGTCATTAATCTATTATCTGCTATCCCTTATATTTG	14650

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Canis	GAACTGACTTAGTAGAATGGATCTGAGGCGGCTTCTCAGTGGACAAAGCAACCTTAACAC	14711
Halichoerus	GAACCGACCTTGTACAAATGAATCTGAGGAGGATTTTTCAGTAGACAAAGCAACCTTAACAG	14690
Felis	GGACTGAAGTAGTAGAATGAATCTGAGGGGGTTCTCAGTAGACAAAGCCACCTTAACAC	14701
Equus	GTACTACCTCGTCGAGTGAATCTGAGGTGGATTCTCAGTAGACAAAGCCACCTTAACCC	14716
EquusAsinus	GTACTACGCTCGTCGAATGAATCTGAGGTGGATTCTCAGTAGACAAAGCCACCTTAACCC	14713
Ovis	GCACAAACCTAGTCGAATGAATCTGGGGAGGATTCTCAGTAGACAAAGCTACCTTACCC	14687
Capra	GCACAAACCTAGTCGAATGAATCTGAGGGGGTTCTCAGTAGACAAAGCCACCTTACCC	14679
Bos	GCACAAATTTAGTCGAATGAATCTGAGGCGGATTCTCAGTAGACAAAGCCACCTTACCC	14679
Sus	GAAACAGACCTCGTAGAATGAATCTGAGGGGGTTTTCCGTCGACAAAGCAACCTTACAC	14696
Oryctolagus	GAAACACCTTAGTTGAATGAATCTGAGGAGGATTTTCAGTTGATAAAGCCACTTACCC	14703
Lepus	GAAACACCTTAGTTGAATGAATCTGAGGAGGATTTTCAGTCGATAAAGCCACTTACCC	14696
Homo	GGACAGACCTAGTTCAATGAATCTGAGGAGGCTACTCAGTAGACAGTCCCACTTACAC	14698
Rattus	GGACTACCTTAGTCGAATGAATCTGAGGAGGCTTCTCAGTAGACAAAGCAACCTTAACAC	14652
Mus	GAAACACCTTAGTCGAATGAATTTGAGGGGGTTCTCAGTAGACAAAGCAACCTTACCC	14676
Sciurus	GAAACACCTTAGTTGAATGAATCTGAGGCGGATTCTCAGTAGATAAAGCAACTTAAAC	14695
Erinaceus	GTACAGATTTAGTACAAATGAATCTGAGGCTCATTTTCAGTTGACAAAGCTACTTAAACCC	14710

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Canis	GATTCTTTGCAATTCATTTTCATCTCCCTTTTCATCATCGCAGCTCTAGCAATAGTACACC	14771
Halichoerus	GATTCTTCGCCTTCCACTTTCATCTCCCTACCATTCGTAGTATTAGCACTAGCAGCAGTCCACC	14750
Felis	GATTCTTTGGCTTCCACTTTCATCTCCCTACCATTCATATCTCAGCCTTAGCAGGAGTACACC	14761
Equus	GATTTTTTGGCTTCCACTTTCATCTCCCTACCATTCATCATCAGCCCTGGTAGTCGTACATT	14776
EquusAsinus	GATTTTTTGGCTTCCACTTTCATCTCCCTACCATTCATCATCAGCCCTGGTAGTCGTCCATC	14773
Ovis	GATTTTTTGGCTTCCACTTTCATCTCCCTACCATTCATCATCAGCCCTGGTAGTCGTCCACC	14747
Capra	GATTCTTCGCCTTCCACTTTCATCTCCCTACCATTCATCATCAGCCCTGGTAGTCGTCCACC	14739
Bos	GATTCTTCGCCTTCCACTTTCATCTCCCTACCATTCATCATCAGCAATTGCCATAGTCCACC	14739
Sus	GATTCTTCGCCTTCCACTTTCATCTCCCTACCATTCATCATACCGCCCTCGCAGCCGTACATC	14756
Oryctolagus	GATTCTTCGCCTTCCACTTTCATCTCCCTACCATTCATCATACCGCCCTCGCAGCCGTACATC	14763
Lepus	GATTTTTTGGCTTCCACTTTCATCTCCCTACCATTCATCATACCGCCCTCGCAGCCGTACATC	14756
Homo	GATTCTTTACCTTTCACTTCATCTTACCTTTCACTTATGCGAGCCCTAGCAGCACTCCACC	14758
Rattus	GCTTCTTCGCAATTCCTTCATCTCCCTACCATTCATTCGCGCCCTTGCATTTGTACATC	14712
Mus	GATTCTTCGCCTTCCACTTTCATCTCCCTACCATTCATCATCAGCCCTCGCAGCCGTACATC	14736
Sciurus	GATTCTTCGCCTTCCACTTTCATCTCCCTACCATTCATCATCAGCCCTAGTATAGTACACT	14755
Erinaceus	GTTTCTTTGCTTTTCATCTTCCTTTTCATTTGTAGCTATAGTCATTAATTCAC	14770

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Canis	TCCTATTTCTACACGAAACCGGATCCAAACACCCCTTCAGGAATCACATCAGACTCAGACA	14831
Halichoerus	TACTATTCCTACACGAAACAGGATCAAAACACCCCTCCGGAATCATACCCGACTCAGACA	14810
Felis	TCTTATTCCTTCATGAAACAGGATCAAAACACCCCTCAGGAATTACATCCGATTCAGACA	14821
Equus	TACTATTTCTTCACGAAACAGGATCTAATAACCCCTCAGGAATCCCATCCGATATGGACA	14836
EquusAsinus	TACTATTCCTCCACGAAACAGGATCCAAACACCCCTCAGGAATCCCATCTGCATAGACA	14833
Ovis	TACTCTTCCTCCACGAAACAGGATCCAAACACCCCTCAGGAATTCCTCGGACAGATA	14807
Capra	TGCTCTTCCTCCACGAAACAGGATCGAAACACCCCTCAGGAATTCCTATCAGACAGATA	14799
Bos	TACTATTCCTCCACGAAACAGGCTCCAAACACCCCTCAGGAATTCCTCAGACGTAGACA	14799
Sus	TCCTATTCCTGCACGAAACCGGATCCAAACACCCCTACCGGAATCTCATCAGACAGATA	14816
Oryctolagus	TCCTCTTTCTACATGAAACTGGCTCCAAACACCCCTCAGGAATTCCTTCAAACTCAGATA	14823
Lepus	TACTTTTCTCTCCATGAAACTGGCTCCAAACACCCCTCAGGCATCCCATCAAACTCTGATA	14816
Homo	TCCTATTCCTGCACGAAACCGGATCCAAACACCCCTAGGAATCACCTCCCATTCCTGATA	14818
Rattus	TTCTTTTCTCTCCACGAAACAGGATCAAAATAACCCCTCAGGATTAACCTCCGACGACACA	14772
Mus	TTCTTTTCTCTCCACGAAACAGGATCAAAACACCCCTCAGGGTTAAACTCAGATGCAGATA	14796
Sciurus	TACTATTCCTTCATGAAACAGGATCTAACAACCCCTATCTGGCCTAATCTCCGATTCGACA	14815
Erinaceus	TATTATTTCTTCACGAAAGCTGGCTCTAATAATCCCAAGGAATTACTTCAGAGTCTGACA	14830

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Canis	AAATTCATTTTCAACCTTACTACACAATCAAGGATATCCTAGGAGCCTTACTCCTACTCC	14891
Halichoerus	AAATCCCATTTCCACCCGTACTATACAAATTAAGACATCCTAGGAGCCTGCTTCTCATTC	14870
Felis	AAATCCCATTTCCACCCATACTATACAAATCAAGACATCCTAGGTCTTCTAGTACTAGTTT	14881
Equus	AAATCCCATTTCCACCCATATTTATACAAATTAAGACATCCTAGGATCCTCCTGATCT	14896
EquusAsinus	AAATCCCATTTCCACCCGTACTACACAATTAAGACATCCTAGGACTTCTCCTCCTAGTCC	14893
Ovis	AAATTCCTTCCACCCCTTATTACACCATTAAGACATCCTAGGTGCTATCCTACTAATCC	14867
Capra	AAATCCCATTTCCACCCCTTACTACCAATTAAGACATCCTAGGAGCCTGCTATCAATTC	14859
Bos	AAATCCCATTTCCACCCCTACTATACCAATTAAGACATCCTAGGGGCCCTCTTACTAATTC	14859
Sus	AAATTCATTTTACCCCTACTACACTATTAAGACATTTAGGAGCCTTATTTATAATAC	14876
Oryctolagus	AAATCCCTTTCCACCCCTTACTACCAATTAAGACATCCTAGGTCTTCTGTAGCCATTC	14883
Lepus	AAATTCATTTTACCCCTACTACACAATTAAGACAGCGCTAGGATTTCTTATCTCATTC	14876
Homo	AAATCACCTTCCACCCCTTACTACACAATCAAGACGCCCTCGGCTTACTTCTCTCTTC	14878
Rattus	AAATCCCATTTCCATCCATATTTATACAAATTAAGACCTCCTAGGTGATTTTATATTTAT	14832
Mus	AAATTCATTTTACCCCTACTATACAAATCAAGATATCCTAGGTATCCTAATTTATTTCT	14856
Sciurus	AAATCCCATTTCCACCCCTTATTATACTATTAAGACATTTTAGGCGTTTCTACTTCTCTTC	14875
Erinaceus	AAATCTCATTTCCACCCATATTTATACGCTTAAAGATATGCTAGGCATTAATTTATTTTC	14890

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Canis	TAACTCCTAATATCACTAGTTTTATTTTACCTGACCTATTAGGAGACCCAGATAACTACA	14951
Halichoerus	TAGTCCTGACACTACTAGTACTATTCTCACCCGACCTATTGGGAGACCCGACAACTACA	14930
Felis	TAACTCCTAATATCACTAGTACTATTCTCACCCGACCTATTGGGAGACCCGACAACTACA	14941
Equus	TGCTCCTACTAATCTAGTATTTATTTCTCCCCGACCTCCTAGGAGACCCAGACAACTACA	14956
EquusAsinus	TACTCCTACTAACCCTAGTATTTATTTCTCCCCGACCTCCTAGGAGACCCAGACAACTACA	14953
Ovis	TCATCCTCATGCTACTAGTACTATTACACCCGACCTTACTCGGAGACCCAGACAACTACA	14927
Capra	TGTTCTAATATTAATAGTACTATTACACCCGACCTTACTCGGAGACCCAGACAACTACA	14919
Bos	TAGTCTAATATCACTAGTACTATTTCGACCCGACCTCCTCGGAGACCCAGACAACTACA	14919
Sus	TAACTCCTAATATCCTTGTACTATTCTTACCAGACCTTACTAGGAGACCCAGACAACTACA	14936
Oryctolagus	TTCTCCTCCTTATTTTAGTCTTATTTTACCAGACCTTATTAGGAGACCCAGACAACTACA	14943
Lepus	TCTGCTCATACTCCTAGTCTTATTCTCCCCGATCTTCTCGGGGACCCAGACAACTACA	14936
Homo	TCTCCTTAATGACATTAACCATTTCTTCCAGACCTCCTAGGCGACCCAGACAACTACA	14938
Rattus	TATTCCTAATAACCCCTAGTACTATTTCTTCCGACCTTACTAGGAGACCCAGACAACTACA	14892
Mus	TAAATCTCATAAACCCCTAGTATTTATTTCTCCCCGATATACTAGGAGACCCAGACAACTACA	14916
Sciurus	TTCTATTCATAACTTATGTTCTATTCTTACCAGACCTATTAGGAGATCCAGACAACTACA	14935
Erinaceus	TTATTCCTAATATCTCTAGTTTTATTTTATCCAGACCTTCTAGGTGATCCAGACAACTACA	14950

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Canis	CCCCTGCAAAACCCCTAAACACCCCTCCACATATTAAACCTGAGTGATATTTTCTATTGG	15011
Halichoerus	TCCCTGCCAATCCCCTAAGCAGCCCAACACATATCAAAACCGAATGATACTTCCTATTGG	14990
Felis	TCCCAGCCAACCCCTTTAAATACCCCTCCCATATTAAACCTGAATGATACTTCCTATTGG	15001
Equus	CCCCAGCTAACCCCTCTCAGCACTCCCCCTCATATTAAACAGAAATGGTACTTCCTGTTTG	15016
EquusAsinus	CCCCAGCTAACCCCTCAGCACTCCCCCTCATATTAAAGCCAGAAATGGTATTTTCTATTGG	15013
Ovis	CCCCAGCAAAACCCACTTAACACTCCCCCTCACATCAAAACCTGAATGATACTTCCTATTGG	14987
Capra	TCCCAGCAAAATCCACTCAATACACCCCTCACATTAAACCTGAGTGGTATTTCTATTGG	14979
Bos	CCCCAGCCAATCCACTCAACACACCCCTCACATCAAAACCGAGTGATACTTCCTATTGG	14979
Sus	CCCCAGCAAAACCCACTAAACACCCCAACCCATATTAAACAGAAATGATACTTCCTATTGG	14996
Oryctolagus	CCCCTGCCAAACCCCTTAATACCCCTCCCCATATCAAAACAGAAATGATACTTCCTATTGG	15003
Lepus	CCCCTGCCAAACCCCTCAACACTCCCTCCTCATCAAAACCTGAGTGATACTTCCTATTGG	14996
Homo	CCCTAGCCAACCCCTTAACACCCCTCCCCACATCAAGCCCGAATGATACTTCCTATTGG	14998
Rattus	CACCCGCTAACCCCTCAACACCCCAACCCACATCAAAACAGAAATGATACTTCCTATTGG	14952
Mus	TACCAAGCTAATCCACTAAACACCCCAACCCATATTAAACCGAATGGTATTTCTATTGG	14976
Sciurus	TCCCAGCTAACCCCTTAACACTCCCTCCTCATATTAAACCTGAATGATACTTCCTATTGG	14995
Erinaceus	CCCCAGCCAACCCCTAAGTACTCCCCCATATTAAACCTGAATGATACTTCCTATTGG	15010

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Canis	CCTATGCTATCCTACGATCCATTCCTAATAAATTAGGAGGTGTACTCGCCCTAGTATTCT	15071
Halichoerus	CCTACGCAATCTTACGATCCATCCCAAACTAGGAGGAGTGCTGGCCCTGGTACTCT	15050
Felis	CATACGCAATCTCCGATCCATCCCAAACTAGGAGGAGTGCTAGCCCTAGTACTCT	15061
Equus	CCTACGCCATCCTACGCTCCATTCCCAACAACTAGGCGGCGTATTAGCCCTAATCCTCT	15076
EquusAsinus	CTTACGCCATCCTACGCTCCATTCCCAACAACTAGGTGGTGTATTAGCCCTATCCTTT	15073
Ovis	CGTACGCAATCTTACGATCAATCCCTAATAAACTAGGAGGAGTCTCGCCCTAATCCTCT	15047
Capra	CATACGCAATCCTACGATCAATCCCAACAACTAGGAGGAGTCTAGCCCTAGTCTCTCT	15039
Bos	CATACGCAATCTTACGATCAATCCCAACAACTAGGAGGAGTACTAGCCCTAGCCTTCT	15039
Sus	CCTACGCTATTCTACGTTCAATTCCTAATAAACTAGGTGGAGTGTGGCCCTATTACTAT	15056
Oryctolagus	CCTACGCTATCCTACGCTCTATTCCAAATAAACTCGGAGGAGTCTAGTCTAGTCTCTAT	15063
Lepus	CCTACGCCATCCTACGTTCCATCCCTAATAAACTAGGTGGTGTCTAGCCCTAGTTATAT	15056
Homo	CCTACCAATCTCCGATCCGTCCTTAACAACTAGGAGGCGTCCCTAGCCCTATTACTAT	15058
Rattus	CCTACGCTATTCTACGCTCCATTCCCAACAACTAGGAGGGGTGCTAGCCCTAATCTTAT	15012
Mus	CATACGCTATTCTACGCTCAATCCCAATAAACTAGGAGGTGTCTAGCCCTAGTTTAT	15036
Sciurus	CCTACGCTATTCTTCGTCATTCCTCAATAAACTCGGAGGTGTCTAGCTTTAGTTTCT	15055
Erinaceus	CCTACGCAATCTCCGCTCTATTCCTAATAAACTTGGAGGTGTCTAGCACTATTCTAT	15070

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Canis	CCATCCTAATCTTGGCATTCATTCCTCCACACATCTAAGCAACGAGCATAAATAT	15131
Halichoerus	CCATTCTCATCTCGCTATCGTACCCCTGCTCCACACATCAAAACCAAGAGGAATAATAT	15110
Felis	CCATCCTAGTACTAGCAATCATTCCTCCACCTCCAAACCAAGAGGAATAATGT	15121
Equus	CCATCCTGATCCTAGCACTCATTCCTCCACCTCCAAACCAAGAGGAATAATAT	15136
EquusAsinus	CCATCTTAATCTTAGCACTCATTCCTCCACCTCAACATGTCAAAACCAAGAGGAATAATGT	15133
Ovis	CAATCCTAGTCTAGTAATTATACCCCTCCTCCATACATCAAAACCAAGAGGAATAATAT	15107
Capra	CAATCCTAATCTTAGTACTTGATTCCTTCCTCCACACATCAAAACCAAGAGGAATAATAT	15099
Bos	CTATCCTAATCTTGTCTAATTCCTCCACTACACACCTCCAAACCAAGAGGAATAATAT	15099
Sus	CCATCCTAATCCTAATTTTAAATGCCCTACTACACACATCCAAACCAAGAGGAATAATAT	15116
Oryctolagus	CCATCCTTGTCTAGCCTCATTCCTTCATATGTCTAAACCAAGAGGAATAATAT	15123
Lepus	CAATCTTATCTTAGCAATTAATCCCTTCCTTCATATATCCAAACCAAGTAGCAATAATAT	15116
Homo	CCATCCTATCCTAGCAATAATCCCAATCCTCCATATATCCAAACCAAGAGGAATAATAT	15118
Rattus	CAATCCTAATCTTAGCCTTCCTACCATTCCTGCATACCTCAAAACCAAGAGGAATAATAT	15072
Mus	CTATCCTAATTTTAGCCCTAATACTTCCTTCATACCTCAAGCAAGAGGAATAATAT	15096
Sciurus	CTATCCTTATCTCATATTACTCCCAATTCCTCATGTCTCCAAACCAAGTAGCAATAATAT	15115
Erinaceus	CAATTCATCTTATCTTATCTTTTACCATACCTACACCTCAAAACCAAGAGGAATAATAT	15130

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Canis	TCCGGCCCTTAGCCCAATGCCTATTCTGACTTTTGTGCGCGATCTTCTCACTTTAACAT	15191
Halichoerus	TCCGACCCATCAGCCCAATGCCTATTCTGACTTCTAGTAGCAGACCTACTTACACTGACAT	15170
Felis	TTCGACCACTAAGCCCAATGCTATTCTGACTCCTAGTAGCGGATCTCTCAACCTAACAT	15181
Equus	TCCGGCCTCTCAGCCCAATGCGTATTCTGACTCTTAGTGGCAGACTTACTGACACTAACAT	15196
EquusAsinus	TCCGACCCCTTAGTCAATGCGTGTCTGACTCTTAGTAGCAGACTTACTAACACTAACAT	15193
Ovis	TCCGACCAATCAGTCAATGTATATTCTGAATCCTAGTAGCCGACCTATTAACTCTCACAT	15167
Capra	TCCGACCAATCAGCCCAATGCCTATTCTGAATCCTAGTAGCAGACTTACTAACACTCACAT	15159
Bos	TCCGACCACTAAGCCCAATGCCTATTCTGAGCCCTAGTAGCAGACCTATTACACTCACAT	15159
Sus	TTCGACCACTAAGTCAATGCCTATTCTGAATCTAGTAGCAGACCTATTACACTAACAT	15176
Oryctolagus	TCCGACCCATTAGTCAAGTCTATTCTGAGTCTCGTCGAGATCTTCTCACACTCACAT	15183
Lepus	TCCGCCCCATTAGCCCAAGTCTTTTCTGAAATCCTTGTGCGAGACCTTCTTACACTCACAT	15176
Homo	TTCGCCCCACTAAGCCCAATCACTTTATTGACTCCTAGCCGAGACCTCCTCATTTCAACCT	15178
Rattus	TCCGCCCCAATCAGCCCAATCTTATCTGAATCCTAGTAGCCCAACCTCCTAGTCTTAACAT	15132
Mus	TCCGCCCCAATCAGCAAAATTTTATCTGAATCCTAGTAGCTAACCTACTTATCTTAACCT	15156
Sciurus	TTCGACCACTAAGCCCAATGCTATTCTGAATCCTAGTAGCAGACCTATTTACACTAACCT	15175
Erinaceus	TCCGACCTGTAAGTCAATGTATTTCTGATTTAGTATCAGACCTATTAATCTTACTT	15190

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Canis	GAATTGGAGGACAACCAAGTTGAGCACCCCTTTCATCATTATCGGACAAGTCGCTTCAATCT	15251
Halichoerus	GAATCGGAGGACAACCAAGTCGAACACCCCTATATTACCATCGGTCAACTAGCCTCAATCC	15230
Felis	GAATCGGTGGCCAACCTGTAGAACATCCGTTTCATCACCATCGGGCAACTAGCCTCCATCC	15241
Equus	GAATCGGCGGACAGCCAGTGGAAACCCCATACGTAATTATCGGCCAACTGGCCTCAATCC	15256
EquusAsinus	GAATTGGTGGCCAACCAAGTAGAACACCCATACGTAATCATCGGCCAACTGGCCTCAATCC	15253
Ovis	GAATTGGAGGCCAGCCAGTTGAACACCCCTACATCATTATTGGACAACCTAGCATCTATTA	15227
Capra	GAATTGGAGGACAGCCAGTCGAACATCCCTACATTATTATTGGACAACCTAGCATCTATTA	15219
Bos	GAATTGGAGGACAACCAAGTCGAACACCCATATATCACCATCGGACAACCTAGCATCTGTCC	15219
Sus	GAATTGGAGGACAACCCGTAGAACACCCGTTTCATCATCATCGGCCAACTAGCCTCCATCT	15236
Oryctolagus	GAATCGGAGGCCAACCAAGTAGAACACCCGTTTCATCACCATTGGACAAGTAGCATCTGTCC	15243
Lepus	GAATTGGAGGACAACCAAGTTGGAACCCCTTTATCACTATTGGTCAAGTAGCATCTATCC	15236
Homo	GAATCGGAGGACAACCAAGTAACTACCCCTTTTACCATCATTGGACAAGTAGCATCCGTAC	15238
Rattus	GAATCGGAGGCCAACCAAGTAGAACACCCATTTATCATTATTGGTCAACTAGCCTCCATCA	15192
Mus	GAATTGGAGGCCAACCAAGTAGAACACCCATTTATTATCATTGGCCAAGTAGCCTCCATCT	15216
Sciurus	GAATTGGAGGACAACCAAGTTGAATATCCTTTTATTATTATTGGACAAGTAGCATCCATCA	15235
Erinaceus	GAATTGGAAGCCAGCCTGTAGAAAAACCCATTTATTACCATCGGCCAACTAGCCTCAATTT	15250

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Canis	TATATTTACCATCTTATTGATCCTAATACCAACAGTTAGCGTTATCGAAAAAACCTTC	15311
Halichoerus	TATACCTTATAATCCTCTTAGTACTCATACCCATTGCCAGCATTATTGAAAAATATATCC	15290
Felis	TATATTTCTCAACCCCTCTAACTCTAATACCCATCTCAGGCATTATTGAAAAACGCTCTAC	15301
Equus	TCTACTTCTCCCTAATTCTCATTTTTATACCACTCGCAAGCACCATCGAAAAAATCTTC	15316
EquusAsinus	TCTACTTCTCCCTAATTCTCATCTTTCATACCACTCGCAAGCACCATCGAAAAAACCTTC	15313
Ovis	TATATTTCTCTATCATTCTAGTCAATACCAAGTAGCATCATCGAAAAAACCTTC	15287
Capra	TATATTTCTCTATCATTCTAGTAATAATACCAAGTAGCATCATCGAAAAAACCTTC	15279
Bos	TATATTTCTCTCTATCCTAGTGCTAATACCAACGGCCGGCAACATCGAAAAAATATAC	15279
Sus	TATACTTCTCTAATCATTTAGTATACCAATCATAGCATCATCGAAAAAACCTTC	15296
Oryctolagus	TCTACTTCAACCACTCCTTATCTTTATACCCCTCGCAAGCCTAATCGAAAAAATATCC	15303
Lepus	TATACTTCTCCTATCATCTTATCTCTATACCTCTCGCAAGCCTAGTCGAGAAATAATCC	15296
Homo	TATACTTCAACCACTCCTAATCTCTAATACCAATCATCTCTCTAATCGAAAAAATATAC	15298
Rattus	GTTATTTTCAATTATCCTCATCTCATACCAATCTCTGGAATTGTTGAAGCAAAATGT	15252
Mus	CATACTTCTCAATCATCTTAACTCTCATACCAATCTCAGGAATTATCGAAGCAAAATAC	15276
Sciurus	TTTACTTTACCATCATCTTCTGTCCTCCCAAGCATCAGCCTGCTTGAAGCAAGCTCC	15295
Erinaceus	ATTATTTCTGTCCATTCTCATCTTAAATCCCTAGCAGGCCTTATTGAAAACTACATAT	15310

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tRNA-Thr

Canis	TAAAATGAAGA---GTCTTTGTAGTATAA--T-CATTACCTTGGTCTTGTAAACCAAAA	15364
Halichoerus	TAAAATGAAGA---GTCTTTGTAGTATAC--TATATTACCTTGGTCTTGTAAACCAAAA	15344
Felis	TCAAAATGAAGA---GTCTTTGTAGTATA--TAAAATACCTTGGTCTTGTAAACCAAAA	15354
Equus	TAAAATGAAGA---GTCCCTGTAGTATATCGCACATTACCCGTGGTCTTGTAAACCAAGAA	15372
EquusAsinus	TAAAGTGAAGA---GTCCCTGTAGTATATCACACATTACCCGTGGTCTTGTAAACCAAGAA	15369
Ovis	TAAAATGAAGACAA--GTCTTTGTAGTACA--ATCAATATACTGGTCTTGTAAACCAAGAG	15343
Capra	TAAAATGAAGACAA--GTCTTTGTAGTACA--ATCAATACACTGGTCTTGTAAACCAAGAA	15335
Bos	TAAAATGAAGACAG--GTCTTTGTAGTACA--TCTAATATACTGGTCTTGTAAACCAAGAG	15335
Sus	TAAAATGAAGA---GTCTTTGTAGTATA--TAAAATACCCGTGGTCTTGTAAACCAAGAA	15349
Oryctolagus	TCAAAATGAAGG----TCCCACTAGTATA--AATATTACTCTGGTCTTGTAAACCAAGAA	15355
Lepus	TCAAAATGAAGG----CCCCAGTAGTATA--AATATTACCTGGTCTTGTAAACCAAGAG	15348
Homo	TCAAAATGGGCCCT--GTCCCTGTAGTATA--ACTAATACACCACTCTTGTAAACCAAGAG	15353
Rattus	TAAAATGAAATTAATGTCCCGTGTGT--TAAATTTCTCTGGTCTTGTAAACCAAGAG	15309
Mus	TAAAATTATATCCATGTCTTGGTAGTATA--AGCATTACCTGGTCTTGTAAACCAAGAG	15333
Sciurus	TTAAAATGAAGA---GCCCTAATAGTATA--CTAATTACTTGGTCTTGTAAACCAAGAG	15349
Erinaceus	TTAAATGAAGA---GTCTTCGTAGTATAATTAAACAATACACTGGTCTTGTAAACCAAAA	15366

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tRNA-Pro

Canis	ATGGAGAGTAA--CCGCCCTCCCTAAGACT-----CAAGGAAGAAGCTCTTG-CTCCACCA	15417
Halichoerus	ATGGAGAACAA--TAACCTCCCTAAGACT-----CAAGGAAGAAGGTAACACCCCAACA	15397
Felis	AAGGAGAACAT-ATGCCCTCCCTAAGACTTT-----CAAGGAAGAAGCAA-CAGCCCCACTA	15408
Equus	AAGGGGGAAAAAGTTTTCTCCCAAGGACTAT--CAAGGAAGAAGCTC-TAGCTCCACCA	15428
EquusAsinus	AAGGGGGAAAC--ATTCCCCCAAGGACTAT--CAAGGAAGAAGCTC-TAGCTCCACCA	15423
Ovis	AAGGAGAACAA--CCAACTCCCTAAGACTTT-----CAAGGAAGAAGCTC-TAGCTCCACCA	15396
Capra	AAGGAGAAATAG--CCAATCTCCCTAAGACTTT-----CAAGGAAGAAGCCA-TAGCTCACTA	15388
Bos	AAGGAGAACAA--CTAACCTCCCTAAGACTTT-----CAAGGAAGAACTG-CAGTCTACCA	15388
Sus	AAGGAGGGCCA--CC--CCTCCCAAGACTTT-----CAAGGAAGGAGAC--TAACCTCGCCA	15399
Oryctolagus	ATGGAGAT-AG--TTCTCCCTGAGACAT--CAGAGAAGAGGCTC-CTGCCCAACA	15405
Lepus	ATGGAGATTAA--CTCACCCTGGGACAT--CAGAGAAGAGGCC-CTGCCCAACA	15399
Homo	ACGAAAACC-----TTTTTCAAGGACAAAT--CAGAGAAAAGTCTTTAACTCCACCA	15405
Rattus	TGAGGCTC-----GTCTTCTCGGCATC--AAGGAAGGAACTACCTCCCCACCA	15363
Mus	ATGAAGATATT--CTCTTCTCAAGACA-TC--AAGAAGAAGGAAC-TCCCCACCA	15385
Sciurus	ATGAAGTCTAA--ACCTTCTTAGAGCACCCCTCAGGGAAGAAATATCCATTCCACCT	15406
Erinaceus	ATGAGAAATATA--TTTCTCTCAAGACGCT--CAAGGAAGAAGATTA-TAATCCTACCA	15418

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D-Loop		
Canis	TCAGCACCCAAAGCTGAGATTCTT--CTTAACTATTCCCTGACACCC-----	15463
Halichoerus	CCAGCACCCAAAGCTGACATTCTA--ATTAACTATTCCCTGACATCCACTCAACC--CC	15453
Felis	TCAGCACCCAAAGCTGAAATTCCTT-CTTAACTATTCCCTGGCAATACCAGAAAG--CA	15465
Equus	TCAACACCCAAAGCTGAAATTCCTA--CTTAACTATTCCCTGATTTCCTT-----	15475
EquusAsinus	TCAACACCCAAAGCTGAAATTCCTA--CTTAACTATTCCCTGATTTCCTT-----	15470
Ovis	TCAACACCCAAAGCTGAAGTTCTA--CTTAACTATTCCCTGAATCATTATCAACGA-TA	15453
Capra	TCAGCACCCAAAGCTGAAATTCCTA--TTTAACTATTCCCTGAACCACTATTAAACA-CA	15445
Bos	TCAACCCCCAAAGCTGAAGTTCTA--TTTAACTATTCCCTGAACA-----	15432
Sus	TCAGCACCCAAAGCTGAAATTCCTA--ACTAAATTATTCCCTG-----	15439
Oryctolagus	TCAGCACCCAAAGCTGATATTCTA--CTTAACTACCCTCTGCTCTTTTACTTTAAT-AA	15462
Lepus	TCAGCACCCAAAGCTGAAATTCCTC--TTTAACTATTCTCTGCTTACTCTTAATAA-CA	15456
Homo	TTAGCACCCAAAGCTAAGATTCTAA--TTTAACTATTCTCTGTTCTTTTCATGGGGAAGCA	15464
Rattus	TCACACCCAAAGCTGATATTCTA--CTTAACTACTTCTTGTCAGTACAT-----	15412
Mus	CCAGCACCCAAAGCTGGCATTCTA--ATTAACTACTTCTTGC--GTACAT-----	15432
Sciurus	TCAACTCCCAAAGCTGATATTCTTATTTTAACTACTCCCTGGTACTTACT-----	15457
Erinaceus	TCAACACCCAAAGTTGATATTCTAT--TTTAACTACTCCTTGAAACAAGCAT-----	15468
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Canis	-----CTA---CATTCAT-ATATTGA-AT-CACCCCTACTGTGCTATGTCAGTAT	15507
Halichoerus	CCTTCACTCCTC---AATTCAT-ATATAAT-GC-CACCT-TACTGTGCTATCAAGTAT	15505
Felis	ACCCCATAACTTTCATAATTTCAT-ATATTGC-ATATACCCATCTGTGCTTGGCCAGTAT	15523
Equus	-----CCC-----CTAAA-CGACAAC-AATTTACCCTCATGTGCTATGTCAGTAT	15518
EquusAsinus	-----CCC-----CTAAA-CGACAGC-AATTCATCCTCATGTGCTATGTCAGTAT	15513
Ovis	CTTATCAATATATTTCCAAAAAT-ATAAGA-GCCTCTCCAGTATTAAACTTGCTAAAAAC	15511
Capra	TCTATTAATATACCCCCAAAAAT-ATTAAGA-GCCTCCCCAGTATTAAATTTACTAAAAA	15503
Bos	-CTATTAATATAGTTCCATAAAT-ACAAAGA-GCCTTATCAGTATTAAATTTATCAAAAA	15489
Sus	-----CCAACCAA-AACAAGC-ATTCCATTTCGTATGCAA--ACCAAAA-	15478
Oryctolagus	AACTCAAGTACTTCATCAGTACTGACAAAT-ACTAAC--ACACTATGTAATTCGTGCAT	15519
Lepus	TATCCAAGTAACTTGTCATATTGACAAAAAC-ACCCTTAAATGCTATGTAATTCGTGCAT	15515
Homo	GATTTGGGTACCAACCCAAAGTATTGACTCACCCATCAACAACCGCTATGTATTTCGTACAT	15524
Rattus	-----AAAATGAT-TGG-ACTTAAAC-TTTTGTAT-TCGTAC-T	15453
Mus	-----AAATTTACATAGTACAATAGTACATTTATGTATATCGTACAT	15474
Sciurus	---TGACCAATCCCTCACTAAACTGACTCTCATGTACCTATCATTAAATTCCTCTCACAT	15513
Erinaceus	-----ATCGAT-ATATGTATAATCAACATAAGATTAGTCCTCTTATAA	15510

Canis	-----CTCCAGGTAAAC-----	15519
Halichoerus	TCACGCACCTGGCCCATGTACTTCGTGCTATTG-----	15537
Felis	GTCCTTATTTCCCAACAAAAACCAAGTAAAAACCCCCAAAC-----	15565
Equus	CAGATTATACCCCCACATAACACCATACCCACCTG-----	15553
EquusAsinus	TAAAATACACCCCGCACAACACCATATCAGCTCA-----	15548
Ovis	TCCCAAAACATACAACACGGACTTCCCACTCCACAAGCCACACA-----TAACAACCCAT	15564
Capra	TTTCAAATATACAACAACAACCTTCCCACTCCACAAGCCTACAGACATGCCAACAAACCCAC	15563
Bos	TCCCAATAACTCAACACAGAATTTGCACCCTA-----ACC-----	15524
Sus	CGCCAAGTACTTAA-----TACTATCTTT-----	15503
Oryctolagus	TAATGCTCGCCCCCATTAATAATGTATTACAACAATAAATTCA-----	15561
Lepus	TAATGCTTTTCCCCATTAAATGTATGTAATATATCATTTCA-----	15557
Homo	TACTGC-CAGCCACCATGAATATTGTACGGTAC-----	15556
Rattus	TAAATT TTTTCCCCAGCAT TAAAGTGTAA-----	15486
Mus	TAAACTATTTTCCCCAAGCATATAAGCAAGTA-----	15506
Sciurus	TGATGTCTATGTAATTCGTGCATTAATGCATGTGCCACATTAA-----	15555
Erinaceus	TGATATACACTT-----AAATATTCAATAGTAT-----	15538

Canis	-----CCTTCTCCCC	15529
Halichoerus	-----CATGCTCCCC	15547
Felis	-----ACCACAACCCAAAACACACAATGTAAAATCACTCTATTAAACCAACTCACC	15618
Equus	-----ACATGCAATAT	15564
EquusAsinus	-----ACATACAATAC	15559
Ovis	AC-----AAGAAAAGCACAACC-----ACCCA-CCCACGGACATGAGCGTTCAAAACCCAAC	15616
Capra	ACGTATAAAAAACATCCCAATCTCAACCAACTAGATACCCACACAACGCGCAACCCAC	15623
Bos	-----AAATATTACAAC-----ACCACTAGCTAACATAAC	15555
Sus	-----AAAACAAAAAACC-----CATAAAAATTGC	15529
Oryctolagus	-----TAACCAACATTTA	15574
Lepus	-----TAATCAACATTAG	15570
Homo	-----CATAAATACTTG	15568
Rattus	-----TAT-TATCTA	15496
Mus	-----CATTTAATCA	15516
Sciurus	-----TTAAATGGTACAGTAC	15571
Erinaceus	-----AAAGACATTAA	15549

Canis	TCC-----CCTATGTACGTCGTGCATTAA-T	15554
Halichoerus	CCCAT-----CCTCAGACCTCCTATGTATATCGTGCATTAA-T	15584
Felis	CCAGGGGGTATTATACACCCA--TATACATAAGACATACTATGTACATCGTGCATTAA-T	15675
Equus	CTTAT-----GAATGGCCTATGTACGTCGTGCATTAAAT	15598
EquusAsinus	TCTAT-----TAATACCTATGTACATCGTGCATTAAAT	15593
Ovis	ATA-TCTTATGTCTGTCTTAA-ACATGCAACGAGTACATA-GTATTA-ATG-----T	15665
Capra	ACAATATTACGTGTATGCAAGTACATTACACCGCTCGCTACACACAA-ATACATTTACT	15682
Bos	ACG-----CCCATACACAG-ACC-----	15572
Sus	GCA-----CAAACATACAA-ATA-----	15546
Oryctolagus	AC-----ATACTATGTTTA-ATCGTGCATAAAAT	15602
Lepus	ACC-----ATTACATGTTTA-ATCGTGCATTAAAG	15599
Homo	ACCAC-----CTGTAGTACATAAAAAACCCACCCACATCAAAAC	15606
Rattus	ATG-----ATTTAGGCTATCTTTA--	15517
Mus	ATG-----ATATAGGCCATAAAACAA--	15537
Sciurus	ATAATA-----ATAAGAAAGTACATAGAACATATCATGTTTAAATCAACATTAAAA	15621
Erinaceus	ATT-----ATATTTTACTATATATTTATG	15574

Canis	GGTTTG---CCCCATGCATAT-AAGCATGTACATAATATTAT-ATCCT-----TAC	15600
Halichoerus	GGTTTG---CCCCATGCATAT-AAGCATGTACATGAAATGGTTGATTT-----TAC	15631
Felis	TGCTAGT---CCCCATGAATATTAAGCATGTACAGGAGTTTATATATAT-----TAC	15724
Equus	TGTCTG---CCCCATGAATAATAAGCATGTACATAATATCATTTTATCT-----TAC	15646
EquusAsinus	TGTTCA---CCCCATGAATAATAAGCATGTACATAATATTTATTTATCT-----TAC	15641
Ovis	AATATAGACATTATATGTATATAAGTACATTAA-ATGATTTACCTCATGCATATAA-GTAC	15723
Capra	AACATCCATATAACGCGGACATACAGCCTTCATATAGTTTACTGTATATCTACCTACAC	15742
Bos	-----ACAGA-----ATGAATTACC-----	15587
Sus	-----TGTGACCCCAA-----AAATTTTACC-----	15567
Oryctolagus	CCTCAT---CCCCATGAATAATAAGCTAGTACATTACTGCTTGATTGG-----AC	15649
Lepus	C-TCTT---CCCCATGCATA-TAAGCTAGTACATCCCTGCTTAATAGG-----AC	15644
Homo	CCCCCC---CCCCATGCTTAC-AAGCAAGTACAGCAATCAACCTTCAACTAT---CAC	15658
Rattus	-----AACTCACTTAAATTCACACCAAC-ATGTCTATTCT-----	15553
Mus	-----TTATCAAC-ATAAACTGATATAAACCATGAATATTATA-----	15574
Sciurus	CCTCCA---CCACATGCTTAT-AAGCATGCACATTAACTACACATAG-----TAC	15668
Erinaceus	TAATT-----CTAGCATAT-AAGCATGTACATTAACTCTATAAAT-----AC	15616

Canis	AT-----	15602
Halichoerus	ATG-----	15634
Felis	ATAAGACATACTATGTATAT-----CGTGCATTAAATTGCTAGTCCCATGA	15770
Equus	ATA-----	15649
EquusAsinus	ATG-----	15644
Ovis	GTACATAGTATTAATGTAATATAGACATTATATGTATAAAGTACATTAAATGATTTACCC	15783
Capra	ATATGCAGTACTAATCCAGCATAAACGTAATGTATGTACATTACATTTTATGATCTACTT	15802
Bos	-----TACGC-----	15592
Sus	-----ATTG-----	15571
Oryctolagus	ATA-----	15652
Lepus	ATA-----	15647
Homo	ACA-----	15661
Rattus	-----	
Mus	-----	
Sciurus	ATA-----	15671
Erinaceus	ATAAG-----	15621

Canis	-----AGGACATATTAAC-----	15616
Halichoerus	-----TACGGCATACAGTTG-----	15649
Felis	ATATTAAGCATGTACAGTAGTTTATATATATTACATAAGACATACTATGTATATCGTGCA	15830
Equus	-----AGTACATTATATTA-----	15663
EquusAsinus	-----AGTACATCATATTA-----	15658
Ovis	CATGCATATAAGCAGCACATAGTATTAATGTAATACAGACATTATATGTATAAAGTACA	15843
Capra	CATGT-----GTACGTACATAATATTAATGTAACAAGGACATAGTATGTATATAGTACA	15856
Bos	AAGGGGTA-----ATGTACATAACATTAAATGTAATAAAGACATAATATGTATATAGTACA	15647
Sus	AAAAAC-----CAAAAAAT-CTAATATACTATA--ACCCTATGTACGTCTGTGCA	15616
Oryctolagus	-----ATCCACTTAATACATCACACATAATCCAAACAA	15684
Lepus	-----GTACATTCA-----CCTACTAAACTCA--CA	15671
Homo	-----TCAACTGCAACTCCAAAGCCACCCCTCAC-	15690
Rattus	-----CAATAC TTAAT-----G	15572
Mus	-----CTAATACATCAAATTAAT-----G	15593
Sciurus	-----AAACATTAGGATTTAACCCCTCCACATTTAAAGCCC-CA	15708
Erinaceus	-----ACATTAAACTATTTATCAACAGATTATTAATTT	15654

Canis	-CAATCTCATAATTCACTGATCTTT-CA-----ACAGTAATCGA-----	15653
Halichoerus	-TAACGCCAAACTTCAGAGTATAAC-TA-----CCTGTAAT-GA-----	15685
Felis	TTAATTGCTAGTCCCCATGAATATT-AAGCATGTACAGTAGTTTATATATATACATAAG	15889
Equus	TTGATCGTGCATACCCCATCCAAGT-CAA-ATCATTTCAGTCAA-----	15706
EquusAsinus	TTGATCGTACATACCCCATCCAAGT-CAA-ATCATTTCAGTCAA-----	15701
Ovis	TTAAATGATTTACCTCATGCATAT--AAGCAGTACAT-AGTATTAATGTAATATAGACA	15900
Capra	TTAAACGATTTTCCACATGCATATT-AAGGACGTACATCAGTATTAATGTAATAGGACA	15915
Bos	TTAAATTTATATGCCCCATGCATAT--AAGCAAGTACATGACCTCTATAGCAGT----ACA	15701
Sus	TTAATTGCTAGTCCCCATGCATAT--AAGCATGTACAT-ATTATTATTAATATT--ACA	15670
Oryctolagus	AAAAATTGACCCAAACATGAATATT-CTCACCACAAAATCTAATGATTGACTTGACATC-A	15742
Lepus	TAACTCTATCACCAACATGGATATT-CAATTCCAAACCCAC---CTTAATCAACATCCA	15727
Homo	CCACTAGGATACCAACAAACCTACC-CACCCTTAACAGTACATAGTACATAAAG-----	15743
Rattus	CTTATTGACCTTCTGTGT-TTT-GACATGCACTTAA-----	15612
Mus	CTTTAAAGACATATCTGTGT-TATC-TGACATACACCATAA-----	15633
Sciurus	CAACATGAATATCCTTTGCCCCATTACATTCTTTATATTGCATAGCACAATAATAT----	15763
Erinaceus	CAATACGAATATCTATATCAATTATAGATTATTAATATTACATAGTACATAATA-----	15708

Canis	-----	
Halichoerus	-----	
Felis	ACATAATAGTGC-----T--	15902
Equus	-----	
EquusAsinus	-----	
Ovis	TTATATGTATAAAGTACATTAATGATTTACCCCATGCATATAAGCATGTACATTTGT	15960
Capra	TAGTATGTATATGTACATTAACGATCTTCTCATGCATATAAGCATGTATAATATTTTC	15975
Bos	TAATACATATAA-----T	15714
Sus	TAGTACATATTA-----T	15683
Oryctolagus	GACATCAATTCC-----	15754
Lepus	GACATCCATTCC-----	15739
Homo	-----T	15744
Rattus	-----	
Mus	-----	
Sciurus	-----T	15764
Erinaceus	-----T	15709

Canis	-----ATGCATATCACTT-----AGTCCAAT-----	15674
Halichoerus	-----GTGCATTTACCT-----AGTCCA-----	15704
Felis	--TAATCGTGCACTTACCTT-----AATTCTAGGACAGTCT-----	15936
Equus	-----CACGCATATCAC-----AGCCCATG-----	15726
EquusAsinus	-----CACGCATATCAC-----ACCCATA-----	15721
Ovis	CACCTGA-AGCATGTAGGGTATTAACTGCTTGACCGTACATAGTACATGAAGTCAAATCC	16019
Capra	TATCGGCAGTACATAGTACATTTTACTGCATATTTCGTACATGGCACATAGGGTCAAATCC	16035
Bos	TATTGACTGTACATAGTACATATGT--CAAAATTCATTCTTGATAG-----TATATCT	15765
Sus	TATTGATCGTACATAGCACAT-----ATCATGTCAAATA-----	15717
Oryctolagus	--ATAATTAAACATAGACCAT-----CAAATCTACACACACCAC-----TCA	15794
Lepus	--TTGATCGAAATAAACCAT-----CCGAGTCAAA-----TCC	15771
Homo	CATTTACCGTACATAGCACAT-----TACAGTCAAA-----TCC	15778
Rattus	-----GTCATAAACCCTTCTCT-----TCCATA-----	15635
Mus	-----GTCATAAACCCTTCTCT-----TCCATA-----	15656
Sciurus	CACCTGGCGGTACATACCCCAT--TAAGTCATAAA-----CC	15799
Erinaceus	TATTGATCTTACATAGCGCATC-----CTATTAAATAA-----C	15743

Canis	-----AAGGGCTTAATCACCATGCCTCGAG	15699
Halichoerus	-----AGAGCCTTAGTCACCATGCCTCGGG	15729
Felis	-----T---CTATGGAACCTCAACTATTCCAAAGAGCTTAATCACCCTGGCCTCGAG	15983
Equus	-----TTCCACGAGCTTAATCACCAGCCGCGGG	15755
EquusAsinus	-----TTCCACGAGCTTAATCACCAGCCGCGGG	15750
Ovis	ATTCTAGTCAACATGCGTATCCTGTCCATTAGATCACGAGCTTGTTCACCATGCCGCGTG	16079
Capra	ATTCTTGCCAAACATGCGTATCCCGTCCACTAGATCACGAGCTTGTTCACCATGCCGCGTG	16095
Bos	ATTAT-----ATAT-----TCCTTACCATTAGATCACGAGCTTAATCACCATGCCGCGTG	15815
Sus	ACTCCAGTCAACATGCATATCACCCACATAGATCACGAGCTTAATCACCATGCCGCGTG	15777
Oryctolagus	ACTCTTACCCATACGACTATCCCTCTCCCCAGTCCCTCTCAAACTTACCATCCTCCGTG	15854
Lepus	TTTCTTGCTCCATAGTATATCCCTCTCCCCAGTCCCTCTCAAACTTACCATCCTCCGTG	15831
Homo	CTTCTCGTCCCCATGGATGACCCCCCTCAGATAGGGGTCCCTTGACCAACCATCTCCGTG	15838
Rattus	-----TGACTTCCCTGTCCCAATGGTCTCTTTCTCCATCCTCCGTG	15682
Mus	-----TGACTATCCCTTCCCAATGGTCTATTAATCTACCATCCTCCGTG	15703
Sciurus	TTCTCTGTCCAAATGACTATCCCTTCCAAACGGTGGTCTCTTAATCTACCTACCTCCGTG	15859
Erinaceus	TTTATCTACCAACCCGCATATCACCTCCATTAGGTTATTTCTTAATCTACCAACCTACGTG	15803

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Canis	AAACCATCAACCCCTTGCTCGTA-ATGTCCCTCT-TCTCGCTCCGGGGCCATACTAACGTG	15757
Halichoerus	AAATCAGCAACCCCTTGTAAC- GTGTACCTAAACCTCGCTCCGGGGCCATAACA-TGTG	15787
Felis	AAACCAGCAATCCTTGCTCGAACGTGTACCTCT-TCTCGCTCCGGGGCCATTTCAACGTG	16042
Equus	AAATCAGCAACCCCTCCCAACTACGTGTCCCAAT- CCTCGCTCCGGGGCCATCCAAACGTG	15814
EquusAsinus	AAATCAGCAATCCTCCCAATTACGTGTCCCAAT- CCTCGCTCCGGGGCCATCTAAACGTG	15809
Ovis	AAACCACAACCCGC-TCAGCAAGGATCCCTCT-TCTCGCTCCGGGGCCACTAACTG-TG	16136
Capra	AAACCAGCAACCCGC-TTGGCAGGGATCCCTCT-TCTCGCTCCGGGGCCATTAAACCG-TG	16152
Bos	AAACCAGCAACCCGC-TAGGCAGGGATCCCTCT-TCTCGCTCCGGGGCCATAAACCG-TG	15872
Sus	AAACCAGCAACCCGC-TTGGCAGGGATCCCTCT-TCTCGCTCCGGGGCCATAAACCGGTG	15835
Oryctolagus	AAACCACAACCCGC-CCACCAGGATCCCTCT-TCTCGCTCCGGGGCCATAAAACT-TG	15911
Lepus	AAACCAGCAACCCGC-CCACCCTGTGTCCCTCT-TCTCGCTCCGGGGCCATTCTACT-TG	15888
Homo	AAATCAATATCCGCACAAGA--GTGCTACTCT-CCTCGCTCCGGGGCCATAACACT-TG	15894
Rattus	AAATCAACCAACCCGC--CCACTCGTCCCTCT-TCTCGCTCCGGGGCCATTCTGTC-TG	15738
Mus	AAACCACAACCCGC--CCACCCTGTGTCCCTCT-TCTCGCTCCGGGGCCATTAACT-TG	15759
Sciurus	AAATCAACCAACCCGC-CCGATACGTGTCCCTCT-TCTCGCTGGATCCCAATTTAACTTG	15917
Erinaceus	AAATCAACCAACCCCTTGTAACA-GTGTCCCTCT- CCTCGCCCCGGGGCCATTTAAC-TG	15860

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Canis	GGGGTTACTATC-ATGAAACTATACCTGGCATCTGGTTCTTACTTCAGGGCCAT-AACT	15815
Halichoerus	GGGGTTTCTATA-CTGGAACATACCTGGCATCTGGTTCTTACTTCAGGGCCATGAAAGT	15846
Felis	GGGGTTTCTATA-ACGGAACATACCTGGCATCTGGTTCTTACTTCAGGGCCAT-AAAA	16100
Equus	GGGGTTTCTACA-ATGAAACTATACCTGGCATCTGGTTCTTTCTTCAGGGCCAT---TCC	15870
EquusAsinus	GGGGTTTCTACG-GTGAACATATACCTGGCATCTGGTTCTTTCTTCAGGGCCAT---TCC	15865
Ovis	GGGGTAACTATT-ATGAACTTTAAACAGGCATCTGGTTCTTTCTTCAGGGCCAT---CT	16192
Capra	GGGGTCGCTATT-ATGAACTTTATCAGACATCTGGTTCTTTCTTCAGGGCCAT---CT	16208
Bos	GGGGTCGCTATCCAAATGAAATTTACAGGCATCTGGTTCTTTCTTCAGGGCCAT---CT	15928
Sus	GGGGTTTCTATT-GATGAACCTTTAAACAGGCATCTGGTTCTTACTTCAGGACCAT---CT	15890
Oryctolagus	GGGGTTTCTAAT-ATGAAACTATAACTGGCATCTGGTTCTTACTTCAGGGCCAT----G	15965
Lepus	GGGGTTTCTAGC-GTGAACATATAACTGGCATCTGGTTCTTACTTCAGGGCCAT----A	15942
Homo	GGGGTAGCTAAA--GTGAACCTGTATCCGACATCTGGTTCTTACTTCAGGGCCAT----A	15947
Rattus	GGGGTGCTAT-CTGAACTTTCCGGCCTCTGGTTCTTCTTCAGGCTT---CA	15793
Mus	GGGGTAGCTAAA-CTGAACTTTATCAGACATCTGGTTCTTACTTCAGGGCCAT---CA	15814
Sciurus	GGGGTAGCTAAC-TATGCTCTTTGACAGGCATCTGGTTCTTACTTCAGGGCCAT---GT	15972
Erinaceus	GGGGTTTCTAAC-CTTGATTTTCAAGACATCTGGTTCTTTCTTCAGGACCAT---CT	15915

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Canis	TATTTACTCCAACTCTACTAATTTCTCGCAAAATGGGACATCTCGATGGACTAATGACTAAT	15875
Halichoerus	CCTAGAAATCCAACTCTACTAACCCTT-CAAATGGGACATCTCGATGGACTAATGACTAAT	15905
Felis	CCTTGAACCAATCCTTC-AGTTCTCTCAAATGGGACATCTCGATGGACTAATGACTAAT	16159
Equus	CACCCAACTCGCCCATCTTTCCCTTAAATAAGACATCTCGATGGACTAATGACTAAT	15930
EquusAsinus	CACCCAACTCGCCCATCTTTCCCTTAAATAAGACATCTCGATGGACTAATGACTAAT	15925
Ovis	CATCTAAAATCGCCCATCTTTCCCTTAAATAAGACATCTCGATGGACTAATGACTAAT	16252
Capra	CACCTAAAATCGCCCATCTTTCCCTTAAATAAGACATCTCGATGGACTAATGACTAAT	16268
Bos	CATCTAAAACGCTCCATCTTTCCCTTAAATAAGACATCTCGATGGACTAATGACTAAT	15988
Sus	CACCTAAAATCGCCCATCTTTCCCTTAAATAAGACATCTCGATGGACTAATGACTAAT	15950
Oryctolagus	AACCTAAGATCGCCCATCTTTCCCTTAAATAAGACATCTCGATGGACTAATGACTAAT	16025
Lepus	ACCCTAAGATCGCCCATCGTTCCCTTAAATAAGACATCTCGATGGACTAATGACTAAT	16002
Homo	AAGCCTAAATAGCCCAACGTTCCCTTAAATAAGACATCAGATGGATCACAGGTCTAT	16007
Rattus	TTGGTTTCTGCTCCATCGTTCCCTTAAATAGAC-TCTCG-TGGTACGGGTCTAAT	15853
Mus	AATGCGTTATCGCCCATCGTTCCCTTAAATAAGACATCTCGATGGATCGGGTCTAAT	15874
Sciurus	AATGCGTTATCGCCCATCGTTCCCTTAAATAAGACATCAGATGGATTAGTTCATTTC	16032
Erinaceus	CACCTAAAATCGCCCATCTTTCCCTTAAATAAGACATCTCGATGGATTAAAGTCTAAT	15975

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Canis	CAGCCCAT-GATCACACATAAATGTGGTGTATGCACTCTGGTATCTTTTAAATTTTAGGG	15934
Halichoerus	CAGCCCAT-GATCACACATAAATGTGGTGTATGCACTTGGTATCTTTTAAATTTTAGG	15964
Felis	CAGCCCAT-GATCACACATAAATGTGGTGTATGCACTTGGTATTTTTTAAATTTTAGGGG	16218
Equus	CAGCCCAT-GCTCACACATAAATGTGATTTTATGCACTTGGTATCTTTTAAATTTTGGGG	15989
EquusAsinus	CAGCCCAT-GCTCACACATAAATGTGTTTATGCACTTGGTATCTTTTAAATTTTGGGG	15984
Ovis	CAGCCCAT-GCCTA-ACATAAATGTGGTGTATGCACTTGGTATTTTTTAAATTTTGGGG	16310
Capra	CAGCCCAT-GCTCACACATAAATGTGCTGTATGCACTTGGTATTTTTTAAATTTTGGGG	16327
Bos	CAGCCCAT-GCTCACACATAAATGTGCTGTATGCACTTGGTATTTTTTAAATTTTGGGG	16047
Sus	CAGCCCAT-GCTCACACATAAATGTGTTTATGCACTTGGTATTTTTTAAATTTTGGGG	16009
Oryctolagus	CAGCCCAT-GCTCACACATAAATGTGATGTGATGCACTTGGTATTTTTTAAATTTTGGGT	16084
Lepus	CAGCCCAT-GCTCACACATAAATGTGTTTATGCACTTGGTATTTTTTAAATTTTGGGG	16060
Homo	CACCTATTAAACCACTACGGGAGCTCT-CCATGCACTTGGTATTTTC---GTCTGGGG	16062
Rattus	C-GCCC-T-GTCA--C-TA-CTGTGGTG-T-T-C-TTGGT-TTTTTT-TTTTCGG-T	15911
Mus	CAGCCCAT-GACCA-ACATAAATGTGGTGTATGCACTTGGTATTTTTTAAATTTTGGGCT	15932
Sciurus	TAGCCCGTGACCCA-ACATAAATGTGCTGTATGCACTTGGTATTTTTTAAATTTTGGGGT	16091
Erinaceus	CAGCCCAT-GCCGAAGCATAACTGTGGTGCCATGCCCTTGGTATTTATTTTTTGGGGG	16034

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Canis	GGGGAATCTGCTATCACTCACCTACGACCG-CAACGGCACTAACTC--TAACTTATCTT-	15990
Halichoerus	GGGGAAGCGGTATCACTCAGCTATGACCG-TAAAGGTCTCGACGAGTCAAAATAACTTG	16023
Felis	GTGGAACCTTGCTATGACTCAGCTATGACC--TAAAGGTCTGACTCAGTCAAAATATATTG	16276
Equus	A-----TGCTATGACTCAGCTATGGCCGTCAAAGGCCTCGACGAGTCAATTAAATTG	16042
EquusAsinus	A-----TGCTGTGACTCAGCTATGGCCGTCAAAGGCCCGACGAGTCAATTAAATTG	16037
Ovis	A-----TGCTTGGACTCAGCTATGGCCGTCTGAGGCCT-GACCCGGA-GCATGAATTG	16361
Capra	A-----TGCTTGGACTCAGCTATGGCCGTCTGAGGCCCGACCCGGA-GCATAAATTG	16379
Bos	A-----TGCTTGGACTCAGCTATGGCCGTCAAAGGCCCTGACCCGGA-GCATCTATTG	16099
Sus	A-----TGCTTAGACTCAGCCATGGCCGTCAAAGGCCCTAACACAGTCAAAATCAATTG	16062
Oryctolagus	TA-----TGCTTGGACTCAAC-ATGGCCGCGGTGGGCCCTGACCCGGG-ACACTTATTG	16136
Lepus	TA-----TGCTTGGACTCAAC-ATGGCCGCGGCGGCCCTGACCCGGT-GCATTTATTG	16112
Homo	G-----GTGTGCAC--GCGATAGCATTGCGAGACGCTGAGCCGGAGCACCCCTATG	16111
Rattus	G-----CCTTCCTCAAC-ATAGCCGTCAGG--CATGAA-GGTCAGC-CAAGTGC	15957
Mus	A-----CTTTCATCAAC-ATAGCCGTCAAGG--CATGAAAGGACAGCACAGATC	15979
Sciurus	A-----TGCTTCCACTCACCTATGGCCGTGAGAGGCCCGACGAGTCAATTCAATTG	16144
Erinaceus	A-----TGCTTGGACTCAGCTATGGCCGTGAAGGCCCTTAACACAAATGCATGTATTG	16087

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Canis	---CTGCTCTCAGGGAATAT-----GCC--CGTCG--CGGCCCTAA--TGCAGTCAAAATA	16036
Halichoerus	TAGCTGGACTTAATTAATATCATTTACCAACATCATACAACCATGAGGCGCATTTTAGTC	16083
Felis	TTGCTGGGCTTATTCCTAT-----GCG-----GGGTCTCCAACGAC--AGAC	16319
Equus	AAGCTGGACTTAATTTGAAC-----GGGTCTCCAACGAC--AGAC	16062
EquusAsinus	AAGCTGGACTTAATTTGAAC-----GGGTCTCCAACGAC--AGAC	16057
Ovis	TAGCTGGACTTAAGTGCATC-----GGGTCTCCAACGAC--AGAC	16381
Capra	TAGCTGGACTTAAGTGCATC-----GGGTCTCCAACGAC--AGAC	16399
Bos	TAGCTGGACTTAAGTGCATC-----GGGTCTCCAACGAC--AGAC	16119
Sus	TAGCTGGACTTCA-TGGAAC-----GGGTCTCCAACGAC--AGAC	16081
Oryctolagus	TAGACGAGCACCT-AATGAA-----GGGTCTCCAACGAC--AGAC	16155
Lepus	TAGACGAGCACCTCGATGTA-----GGGTCTCCAACGAC--AGAC	16132
Homo	TCGCAGTATCTGTCTTTGAT-----TCCTGCCTCATTTCTATT	16148
Rattus	CTGTGGACCTTTTGTAA-----TCCTGCCTCATTTCTATT	15977
Mus	TAGACGACCTAC-GGTGAA-----TCCTGCCTCATTTCTATT	15998
Sciurus	TAGCTGGACTTATAGGTATT-----TCCTGCCTCATTTCTATT	16164
Erinaceus	TAGCTGGACTTAACGTGTACCTCCGGTA--TCCTCATATATGGTTAGCATGGAATTATAGT	16145

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Canis	ACTTGTAAGCTGGACTTATTCATTAT-CATTTATCAACTACGCATAAAAATCA-AGGTGCT	16094
Halichoerus	AATGGTAGCGGACATAGTTACGTTACGTACACGTACACACACGCGCACGCA-CGTACAC	16142
Felis	AGTCAGGGTGTCTATTCAGTCAATGGTCACA--GGACATATACTTAAATTCC-TATTGTT	16375
Equus	-----GTTATTCCTC-----CGCATCAGCAACCATATA-AGGTGTT	16095
EquusAsinus	-----GTTATTAATC-----CGCATCAGCAACCATATA-AGGTGTT	16090
Ovis	-----TTGAGCATCCT-----CATAATGGT--AAGCATGGGCATA	16414
Capra	-----TTGAGCATCCC-----CATAATGGT--AAGCATGGGCATA	16431
Bos	-----TTGAGCACCAG-----CATAATGAT--AAGCATGGGCATA	16151
Sus	-----TCATGATCCCG-----CAGGACATCCAAACA-AGGTGCT	16115
Oryctolagus	-----GACCTCCATC-----CTCATAATTATGAGCCGGGACAT-	16189
Lepus	-----CATTCTCCACC-----CTCATAATTATGAGCCGGGACAT-	16166
Homo	ATTTATCGCACCTACGTTCAATATACAGG-----CGAACAATACCTACTAAGTGTGTT	16202
Rattus	-----GGGTCAATTATC-----CTCATGACCAAGGCTCGAAG-CT	16013
Mus	-----GAATCATTAGTC-----CGCAAAACCCCAATCACCTAAGGCT	16034
Sciurus	-----ATTCTTTA-----CTCGCATATACATCCAAGGTGTT	16196
Erinaceus	CAATGAAGCTAGGAAAACTTTTAAATGGTTACAGGACATATGTTGTAATTCAGAGTATG	16205

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Canis	ATTAGTCAATGGTTTCAGGACATATAGTTTATAGG---GTACACGTACGTACACGTAC	16149
Halichoerus	GTACACGTACACGTACACGTACACGTACACGTACAC---GTACACACACGCGCACGCGAC	16198
Felis	CCACAGGACACGGGATGCGCGACCCACGTTTGCG-----TGACACGTGTACACGTAC	16429
Equus	ATTAGTCCATGGTAGCGGGACATAGG-----AAACAAGTGCG	16132
EquusAsinus	ATTAGTCCATGGTAACAGGACATAAA-----GAACATGCAC	16127
Ovis	ATATAATTAATGGTCAAGGACATATCT-----GCTGTAT-CGTGC	16454
Capra	-TACAGTTAATGGTCAAGGACATATTT-----ATTATGT-TGCAT	16470
Bos	-TACAGTCAATGGTCAAGGACATAA-----ATTATAT-TATAT	16188
Sus	ATTAGTCAATGGTTACGGGACATAACG-----TACATACACGTGC	16156
Oryctolagus	--TCTTTTAAATGCTTGTGCGACATAAAGAGATTTTA-----GCACGTACACGTGC	16237
Lepus	--TCTTTTCATGCTTGTGCGACATAAAGAGATTTTTCGC-GTACACGACGTACACGCAC	16223
Homo	AATTAATTAATGCTTGTGAGACATAAATA-----ACAATTGAATGTCT	16247
Rattus	TTTTTTC-TGTTTGTAGAC-TAAAT-----ATTTTAAATC	16053
Mus	AATT-ATTCATGCTTGTGAGACATAAAT-----GCTACTCAATAC	16073
Sciurus	ATAATATTCATGCTTGTGAGACATATTAATTT-----TTAATTCACAAAT	16241
Erinaceus	CAATAAGTGAAATGTTTTGAGACGCATGAGTAAATGTTTTCTTAGACAAATATGCTTAATG	16265

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Canis	GTACACGTACGTACACGTACGTACACGTACGTACACGTGCGTACACGTGCGTACACGTAC	16209
Halichoerus	GTACACGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTACAC	16258
Felis	ACACGTACACACGTACACACGTACACACGTACACACGTACACACGTACACACGTACACAC	16489
Equus	ACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCT	16192
EquusAsinus	ACCCACACCCCATGCGCGCACACCCACACCCCATGCGCGCACACCCACACCCCATGCGCG	16187
Ovis	AT--TTATATATTC-----TTTTTTCCCCCTTCCCCCTTAAATATTTATACCATTTTTT	16506
Capra	TTCATCATGCATCCGCTCCACCTTTCCCCCTTCTTCTTAGATATATACACCGTTTTTA	16530
Bos	-----ATCCCCC-----TTCATAAAAAATTCCCCCTTAAATATCTACCCACTTTT	16236
Sus	GTACACGTGCGTACACGTGCGTACACGTGCGTACACGTGCGTACACGTGCGTACACGTGCG	16216
Oryctolagus	ACGCACGCACGTACACCCGTACGCACGCACGTACACCCGTACGCACGCACGTACACCCGT	16297
Lepus	GTACACGCACGTACACGCACGTACACGCACGTACACGCACGTACACGCACGTACACGCAC	16283
Homo	GCACAGCGCTTTC-CACACAGACATCATAAACAAAAATTTCCACCAACCCCCCTCC	16306
Rattus	TTGAAATCTGTCTACACCCCTCCCTTCTCTGAACTTCATGCCCACCCCT	16113
Mus	CAAAATTTAACTCTCCAAACCCCCCAACCCCTCTCTT-----AATGCCAAACCCC	16125
Sciurus	TAAACAAGAGCTTCCAACTCTCTTCAAGTCTAATTAATTTAAATAGAACTTTCTTTCTT	16301
Erinaceus	CTAGATGGACATAATACAATTCTATATTGAGTTATAAAAAATTTTCGTACGTTTACGCGT	16325

Canis	GTACACGTGCGTACACGTGCGTACACGTGC--GTACACGTACGTACACGTGCGTACACGT	16267
Halichoerus	GTACACGTACACACACGCGCACGCACGTACACGTACACGTACACGTACACGTACACGTAC	16318
Felis	GTACACGTACACACGTACACACGTACACACGTACACACGTACACACGTACACACGTAC	16549
Equus	GTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGC	16252
EquusAsinus	ATGCGCGCACACCCACACCCATGCGCGCACACCCACACCCCATGCGCGCACAC	16247
Ovis	A-ACACGCTTCCCCCTAGATATTAATAAATTTATCCCGCCCTCAATCTCAATCTCAT	16565
Capra	A-ACACGCTCCCTCCTAGATATTAGTGCAAAATTTTTCTACTTCCAACTACTCAATCTTT	16589
Bos	A-ACAGACTTTTCCCTAGATACTTATTTAAATTTTTACGCTTTCAATACTCAATTTAGC	16295
Sus	GTACACGTGCGTACACGTGCGTACACGTGCGTACACGCGCATATAAGCAGGTAAATTTAT	16276
Oryctolagus	ACGCACGCACGTACACCCGTACGCACGCACGTACACCCGTACGCACGCACGTACACCCGT	16357
Lepus	GTACACGCACGTACACGCACGTACACGCACGTACACGCACGTACACGCACGTACACGCAC	16343
Homo	CCCCGCTTCTGGCCACA-GCACTTAAACACATCTCTGCCAAACCCCAAAACAAA---GA	16362
Rattus	AAAAACCTTAA-AGCAAGATTAAATAAA-CAAAA-GCTCTTAACTCTTAAAGGCTT	16171
Mus	AAAAACACTAAGAACTTGAAGACATATAT-TATTAA-CTATCAAAACCTT--ATGTCCTG	16181
Sciurus	TCTTAAGCTTCAAAATTTATTTA-ACCTCTCATCAGTATGTCTGCATGAATGAGCTATA	16360
Erinaceus	ACTTATACGTACCCCAATGTTTCGATTTACGCATACGTGTATATATACATATGCAGAC	16385

Canis	ACGTACACGTGC--GTACACGTAC--GTACACGTACGTACACGTGCGTACACGTACGTAC	16323
Halichoerus	ACGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTAC	16378
Felis	ACACGTACACACGTGTACACGTAC--ACACGTACACACGTGTACACGTACACACGTAC	16605
Equus	ACCTGTGCACCT--GTGCACCTGT--GCACCTGTGCACCTGTGCACCTGTGCACCTGT	16306
EquusAsinus	ACCCACACACCC--ATGCGCGCAC--ACACCCACACCCATGCGCGCACACACCCAC	16301
Ovis	ACTC-CAACCGAA-GTAAATATAT-----AGGCACCTGGGTC--ACATACATAA-CGC	16613
Capra	ACTC-CAGCCAAG-GTAAATATAT-----AAGTGCCTGGGTC--TTTACATGG-TAA	16637
Bos	ACTC-CAAAACAA-GTCAATATAT-----AAACGCAGGCCCTT--CCCCCTT-----	16338
Sus	AGCT-CATTCAAA-CCCCCTTAC-----CCCCATTAACTTATGCTCTACACAC-CCT	16327
Oryctolagus	ACGCACGCACGTACACCCGTACGC--ACGCACGTACACCCGTACGCACGCACGTACACCC	16415
Lepus	GTACACGCACGTACACGCACGTAC--ACGCACGTACACGCACGTACACGCACGTACACGC	16401
Homo	ACCTTAACACCCAGCTAACAGAT--TTCAAATTTTATCTTTAGGCGGTATGCATTTT	16419
Rattus	CTCCCTTCTAGTGAACCAAAAT--TTTAACTTAACTCTTGCATTGGTAAATTTCCCT	16229
Mus	ATCGATTCTAGTAGTTCCCAAAAT--AT-GACTCATATTTTAGTACTTGTAAAAATTTT	16237
Sciurus	AAACGCCATTCTTAATACTAATTA--TTTACTTACCAATTCCTTATGCTCCAAAGAAAT	16417
Erinaceus	ACAAACACGTACGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATAC	16445

Canis	A-CGTGCGTACACGTGCGTACACGTGCGTACACGTACGTACACGTGCGTACACGTGCGTA	16382
Halichoerus	A-CGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTAC	16437
Felis	A-CACGTACACACGTGTACACGTACACGTACACGTACACGTACACGTACACGTACACGTAC	16664
Equus	G-CACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTGTGCACCTACCCG	16365
EquusAsinus	A-CACCCATGCGCGCACACCCACACACCCATGCGCGCACACCCACACACCCACACAC	16360
Ovis	A-TA-----	16616
Capra	G-TG-----	16640
Bos	-----	
Sus	A-TAACGCTTGGCAAAACCCAAAAAAGCAGAGTGTACAAATACAAAGCCTAACT	16386
Oryctolagus	G-TACGCACGCACGTACACCCGT--ACACCCGTACACG-----	16450
Lepus	A-CGTACACGCACGTACACGCACGTACACGCACGTACACGCACGTACACGCACGTACACG	16460
Homo	AAACAGTCACCCCTTAAACACATTATTTTCCCTCCCACTCCCACTACTACTAATCTCA	16479
Rattus	G-CACAAATCTTCTCTCTAA--CTAAACCTCTTTCTTGCCTACCTCAGAAATTC	16287
Mus	---ACAAAATCATGCCCCGTGAACCAAACTTAATCACACTCTATTACGCAATAAATAT	16294
Sciurus	AATTTTACTTAAACATCCCAACATCCAAATAACTTACATATTACTTTACCCCTTAAACCC	16477
Erinaceus	G-CATACGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATA	16504

Canis	CACGTAC--GTACACGTAC--GTACACGTGC--GTACACG-----TACGTACA	16424
Halichoerus	CACGTACACGTACACGTACACGTACACGTACACGTACACAA-----TAAGTACA	16486
Felis	CGTGTACACGTACACACGTACACACGTACACACGTACACAC-----CGTATACA	16712
Equus	CGCAG-----TAAGCA-----	16376
EquusAsinus	CCCACACCCACACACGT-----TAAGCA-----	16385
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	TACACTAAACAACATTTAACAAACAAACCACCATATCTTA-----TAAACAC	16435
Oryctolagus	-----	
Lepus	CACGTACACGCACGTACACGCACGTACACGCACGTACACGCACGTACACGC	16520
Homo	TCAATACA--ACCCCGCCCATCCTACCCAGCACACAC-----AC	16519
Rattus	CACATACCCAA-----	16300
Mus	TAACAA-----	16300
Sciurus	CATATAAGTATAACATTATTTAATTTACAA-----	16507
Erinaceus	CGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATA	16564

Canis	CGTACGC-ACGCGCGTAAGACATTAAGTTAACTTATACAAACCCCCCTTACCCCCGTAA	16483
Halichoerus	TATACGTTACGTTAAATAGATACAAAGTTAGCTAGAACAAACCCCCCTTACCCCCGTAA	16546
Felis	CGCGAACGCTTTAATTTAAGTAAATAACTAGCTTAATCAAAACCCCCCTTACCCCCGTAA	16772
Equus	-----AGTAATATAGCTTTCTTAATCAAAACCCCCCTTACCCCCCATTA	16419
EquusAsinus	-----AGTAATGTAACCTTTCTTAGTCAAAACCCCCCACCCTTAA	16428
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	TTACTTAAATACGTGCTACGAAAGCAGGCACCTACCCCCCTAGATTTTTACGCCAATCTA	16495
Oryctolagus	-----ACTATTCCAATTATATAGATGAATTTATCCACCAAACCCCCCTTACCCCCCACT	16505
Lepus	CACGCGCATTTTACGTTTCATAACTGAATATATCCAC-AAACCCCCCTGCCCCCTAAA	16579
Homo	CGCTGCTAACCCCATACCCCGAACCAACCAACCCCAAGACACCCCCACA-----	16571
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	CGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATA	16624

Canis	ACTCATGTCATC-TATTATACACTTATTTATGTCCCGCCAAACCCCAAAACAGGACTAA	16542
Halichoerus	ACTCCACGAGCATACAATGCACCTACTATTGCTCTGCCAAACCCCAAAACAGAGCTAG	16606
Felis	ACCTTATTTATAATAATACGTGCCTATTTATGTCTTGCCAAACCCCAAAACAGACTAG	16832
Equus	AACTCCACAT-----ATGTACATTCAACACAACTCTTGCCAAACCCCAAAACAGACTAA	16474
EquusAsinus	AACTCCGCAG-----ATGTACATTTAACACAACTCTTGCCAAACCCCGAAACAGACTAA	16483
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	CCATAAATAAATTTAAATTAACAACAATAACCTCCCAAAATATAAGCACCTATTTAAG	16555
Oryctolagus	AAGTAAATTCAT-TGCCCAAGGCAATGAATA-AACTATGCATATTTAATTTCTTGCCAAA	16563
Lepus	AAGTAAATTCAT-TGTCTTAAGACAATGAATATGGCTAT-TACTATAAATTCCTTGCCAAA	16637
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	CGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCATACGCAGGTGCGAATGCGAG	16684

Canis	GT-GCATACAA-TACTCAC---AAGC---TTTATTTAAATTATATACAAATGTATTGCTA	16594
Halichoerus	AT-GCATATAA-CACACAACTGAAGCCAGTACATCTAAACTTAGTAAACCA---ACCA	16660
Felis	ACCGTACCTAAATATAAGGCCATAAGAAACGCTTATAAGCTTACCAATCCC-----CTA	16886
Equus	ACAATGCACAA-TACTTCATGAAGCTTAACCTCGCATGC-CAACCATAATAACTCAACA	16532
EquusAsinus	ACAATGCACAA-CACTTCACGAAGCCTAACTCTCACACACAACTACGTTAACTCTACG	16542
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	TATACGCCCAATCTGAATATAGCTTATA-----	16585
Oryctolagus	CCCCAAAAACCAAGAATCACGCACAGTATTTACTTAGACT-----AA	16606
Lepus	CCCCAAAAAC-AAGAAATCACGACATAGCACCTACTTTATCTTCTTAGGTCCCCCCCCCAA	16696
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	TGCAGAAACCTGAACCCGATTCCTTTAAATAACAGCTTTCATAGCTCAACCCCCCTTA	16744

Canis	CTCTAGTTAAC--TTAACACAACA-----GTCTTACACGCATTTGGTCTCGTA	16640
Halichoerus	ACCTAAGTAACAGATTACTAAAAACA-----CGGGCATAATACTTTAATTTTG-A	16708
Felis	TTATTACTAGC---TACTAATACT-----AAATCATAACTCTGT---TCGCA	16927
Equus	CACCTAACAAAT--CTTAACAGAACT-----TTCCCCCGCCA-TTAATACCAAC	16578
EquusAsinus	CACCTTGACAAG--CCCACAGAACT-----TCCCTCCCTCCTCTTAATACCAAC	16589
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	ATTTAA--ACCCCTTTCCCA-----CCCCAAGTCAGACAGCTCAGGGC	16648
Lepus	CCCTAATTAAATTTTTTTTCCAAAAATCTCCTAAATTTCTAGGCTAAATTTGTAAAAAC	16756
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	CCCCCTTACCTACTGCAGACTAAACGAAATTCTTGACAAACCCCAAAACCAAGAGGGT	16804

Canis	GTCTATCTATAGAT-AGCATTCCCTTTTTTTTCC-CTCTCATATTTACT-ATGTATTTTA	16697
Halichoerus	ATCTATCTATAGATGAACGTTTTCATCTCTAATACCCCCCTATTGACTTATTGACCCCA	16768
Felis	GT-TATCTATAGATATAC-CGACCTGACTCTAATTCGTCCCTATCGAACAAAC--ATTTTA	16983
Equus	ATGCTACTTTAATCAATAAAATTTCCATAGACAGGCATCCCCCTAGATCTA--ATTTTC	16635
EquusAsinus	ATGCTACTTTAATCAATAAAATTTCCATAGACAGGTATCCCCCTAGATCTG--ATTTCC	16646
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	ATCTAAATTTTGAAATTTAAAAACGACCTTTACAATACTGACATAGCACTCTAGCCCTTT	16708
Lepus	TTCCATTTTGTGAATTTAAAAACGACCTTTACAATACTGACATAGCACTCTGCCTTTTA	16816
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	ATGCAGCAATATATAAATAATTTATTATTTATATTTATGTAATAAGCAAAATTTTTTTAA	16864

Canis	T-TTATTACGCACACTACA-ATTTAGTATAA-----	16727
Halichoerus	TACCAACAGAAACAAGCCACACGCCACTG-----	16797
Felis	CATGTCTACGTTAGCCCCACATCCCA-----	17009
Equus	TAAATCTGTCAACCCCTCTTCCCC-----	16660
EquusAsinus	CAACCTACAAATCCTCTTCCCCA-----	16670
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	TTTTCTTTTAAACAGGTTTAACTC-AATTAAATACAAATTGTATAATATTTGGACTAAAC	16767
Lepus	TTTCCCTCCAAACAGGCAAAACCCCTAATTAAATTTTTTTTCCAAAAATCT--CCTAAA-	16873
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	TTGCTCATGTATTATACAAATTTAAATTTCTATTATACAAATTAATTTAATGATAATG	16924

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	CCCCTTTCCCACCCCAAGTCAGACAGCTCAGGGCATCTAAATTTTGAATTTAAAAACGCA	16827
Lepus	-----TTTCTAGGCTAAATTTG-----TAAACCTTCCATTTTTTGGAAATTTAAAAACGCA	16923
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	ATAATACAATAATACAATAATATAATAATAATAATAATAATAATAATAATAATAATAA	16984

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	CCTTTACAATACTGACATAGCACTCTAGCCCTTTTTCCTTTTAAACAGGTTTAACTC-A	16886
Lepus	CCTTTACAATACTGACATAGCACTCTGCCTTTTATTTCCCTCCAACAGGCAAAACCTA	16983
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	TAATAATATAATAATAATAATAATAATAATAATAATAATAATAATAATAATAAT	17044

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	ATTAAATACAAATTGTATAATATTTGGACTAAACCCCTTTCCCAACCCAAGTCAGACAG	16946
Lepus	ATTAAATTT---TTTCCAAAAATCTCCTAAA-----TTTCTAGGCTAAATTTG----	17030
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	AATAATATAATAATATAATAATAATATATATAATAATAATAATGATATAGTAATATAGTA	17104

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	CTCAGGGCATCTAAATTTTGAAATTTAAACGCACCTTTACAATACTGACATAGCACTCT	17006
Lepus	-TAAACCTTCCATTTTTTGGAATTTAAACGCACCTTTACAATACTGACATAGCACTCT	17089
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	ATATAGTAATATAGTAATATAGTAATATAGTAATATAGTAATATAGTAATATAGTAATAT	17164

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	AGCCCTTTTTCCTTTTAAACAGGTTTAACTC-AATTAAATACAAATTGTATAATATTTG	17065
Lepus	GCCTTTTATTTCCCTCCAACAGGCAAAACCTAATTAAATTT---TTTCCAAAAATC	17146
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	AGTAATATAGTAATATAGTAATATAGTAATAT-AGTAATATAGTAATATAGTAATATAGT	17223

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	GACTAAACCCCCTTTCCCAACCCCAAGTCAGACAGCTCAGGGCATCTAAATTTTGAATTT	17125
Lepus	TCCTAAA-----TTTCTAGGCTAAATTG-----TAAACCTTCCATTTTTTGGAAATT	17195
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	AATTACAAATAATTTATCATATAATTAAAAATTAAATTTTGCTTTCTTACTTTGTTTATA	17283

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	AAAAACGCACCTTTACAATACTGACATAGCACTCTAGCCCTTTTTCCTTTTAAACAGGTT	17185
Lepus	AAAAACGCACCTTTACAATACTGACATAGCACTCTGCCTTTTATTTCCCTCCAAACAGGCA	17255
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	AAAAGTTAACTATATAAAATTTATCTATAAAATTTTAAATTAAATTTATCTGTATTAATA	17343

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	TAACTC-AATTAAATACAAATTGTATAATATTTGGACTAGAAATCTCTAGTCTAGGCTAA	17244
Lepus	AAACCCTAATTAAATTT--TTTCCAAAAATCTCCTA--AATTTCTAGGCTAAATTTG	17310
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	ATTTTACAATATTTATTTTATATCGTAAGATAAGATCTAAATAATTAAACTAGATCTATT	17403

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	A-----	17245
Lepus	TAAACCTTCCATTTTTTGGAATTTAAACGCACCTTTACAATACTGACATAGCACTCTG	17370
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	TTATTTATATTCCTTATAATTATTAACTTATTTATAGAATAAT-----	17447

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	-----	
Lepus	CCTTTTATTTCCTCCAAACAGGCAAAACCTAATTAAATTTTTCCTAAAAATCTCCT	17430
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	-----	

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	-----	
Lepus	AAATTTCTAGGCTAAATTTGTAAACCTTCCATTTTGGAAATTAAACGCACCTTTAC	17490
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	-----	

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	-----	
Lepus	AATACTGACATAGCACTCTGCCTTTTATTTCCTCCAAACAGGCAAAACCTAATTAAAT	17550
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	-----	

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	-----	
Lepus	TTTTTTCCTAAAAATCTCCTAAATTTCTAGGCTAAATTTGTAAACCTTCCATTTTTTGG	17610
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	-----	

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	-----	
Lepus	AAATTTAAAACGCACTTTACAACTACTGACATAGCACTCTGCCTTTTATTTCCCTCCAAAC	17670
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	-----	

Canis	-----	
Halichoerus	-----	
Felis	-----	
Equus	-----	
EquusAsinus	-----	
Ovis	-----	
Capra	-----	
Bos	-----	
Sus	-----	
Oryctolagus	-----	
Lepus	AGGCAAAACCTAATTAAATTTCAAGCAACCTTAATATTAATAAAATATTCTTACACTA	17730
Homo	-----	
Rattus	-----	
Mus	-----	
Sciurus	-----	
Erinaceus	-----	

Canis	----	
Halichoerus	----	
Felis	----	
Equus	----	
EquusAsinus	----	
Ovis	----	
Capra	----	
Bos	----	
Sus	----	
Oryctolagus	----	
Lepus	ATAT	17734
Homo	----	
Rattus	----	
Mus	----	
Sciurus	----	
Erinaceus	----	