

Alu consensus sequences for 25 Alu subfamilies lineage specific to owl monkey; Anan_2.0

>subfamily4_Owl#SINE/Alu

-GCCGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGTGGAT-CAC--
GAGGTCAGGAGTTCGAGACCA-GCCTGGCCAAGATGTTGAAACCCCGTCTCTACTAAAAA-TACAAAAA---
TTAGCTGGGCGTGGTGGCACGCACCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATCGCTTGAACCTG
GGAGGCGGAGGTTGCAGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----TGACA-
GAGTGAGACTCCGTCTCA-----

>subfamily22_Owl#SINE/Alu

-GCCGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGTGGAT-CAC--
GAGGTCAGGAGTTCGAGACCA-GCCTGACCAACATGGTGAAACCCCGTCTCTACTAAAAA-TACAAAAA---
TTAGCTGGGCGTGGTGGCACACGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCTGAACCTG
GGAGGCAGAGGTTGCAGTGAGCCAAGATCGTGCCACTGCACTCCAGCCTGGG-----CGACA-
GAGTGAGACTTCGTCTCA-----

>subfamily1_Owl#SINE/Alu

-GCCGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGAT-CAC--
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TTAGCCGGGCGTGGTGGCACGCGCCTGTGGTCCCAGCTACTCGGGAGGCTGAGGCAGAAGAATCGCTTGAACCC
AGGAGGCGGAGGTTGCAGTGAGCCGAGATTGCGCCACTGCACTCCAGCCTGG-----CGACA-
GAGCAAGACTCCGTCTCA-----

>subfamily21_Owl#SINE/Alu

-GCCGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGAT-CAC--
GAGGTCAAGAGATCGAGACCA-TCCTGGCC---ATGGTGAAACCCCGTCTCTACTAAAA-ATACAAAAA---
TTAGCCGGGCGTGGTGGCACACGCCTGTGGTCCCAGCTACTCGGGAGGCTGAGGCAGAAGAATCGCTTGAACCC
AGGAGGTGGAGGTTGCAGTGAGCCGAGACTGCGCCACTGCACTCCAGCCTGG-----CAACA-
GAGCAAGACTCCGTCTCA-----

>subfamily7_Owl#SINE/Alu

GGCCGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGAT-CAC--
GAGGTCAAGAGATCGAGACCA-TCCTCACC---ATGATGAAACCCCGTCTCTACTAAAA-
ATACAAAAAAATTAGCCGGGTGTGGTGGCACGCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCGGAAGAA
TCGCTTGAACCCAGGAGGCGGAGGTTGCAGTGAGCCGAGATTGCGCCACTGCACTCCAGCCTGG-----AGACA-
GAGCAAGACTCCGTCTCA-----

>subfamily14_Owl#SINE/Alu

---CGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGCGGAT-CAC--
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TTAGCCGGGTGTGGTGGCACGCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCGGAAGAATCGCTTGAACCC

AGGAGGCGGAGGTTGCAGTGAGCCGAGATTGCGCCACTGCACTCCAGCCTGG-----TGACA-
GAGCAAGACTCCGTCTCA-----

>subfamily26_Owl#SINE/Alu

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GAGGTCAAGAGATCGAGACCA-TCCTGGCCAACATGGTGAAACCCCGTCTCTACTAAAA-GTACAAAAA--
TTAGCCGGGCGTGGTGGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAAACC
AGAAAACGGAAGTTGCAGTGAGCCGGGATCGCGCCACTGCACTCCAGCCTGG-----CGATA-
GAGCAAGACTCTGTCTCA-----

>subfamily13_Owl#SINE/Alu

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ATAGCCGGGCATGGTGGCACGTGCCTGTGGTCCCAGCTACTCGGGAGGCTGAGGCGGAAGAATCGCTTGAACCC
AGGAGGCGGAGGTTGCAGTGAGCCGAGATTGCGCCACTGCACTCCAGCCTGG-----CGATA-
GAGCAAGACTCCGTCTCA-----

>subfamily5_Owl#SINE/Alu

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ATAGCCGGGCATGGTGGCACGTGCCTGTGGTCCCAGCTACTCGGGAGGCTGAGGCGGAAGAATCGCTTGAATCC
AGGAGGCGGAGGTTGCAGTGAGCCGAGATTGCGCCATTGCACTCCAGCCTGG-----CGATA-
GAGCAAGACTCCGTCTCA-----

>subfamily12_Owl#SINE/Alu

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ATAGCCGGGCATGGTGGCACGTGCCTGTGGTCCCAGCTACTCGGGAGGCTGAGGTGGAAGAATCGCTTGAATCC
AGGAGGCGGAGGTTGCAGTGAGCCGAGATTGCGCCACTGCACTCCAGCCTGG-----CGATA-
GAGCAAGACTCCGTCTCA-----

>subfamily29_Owl#SINE/Alu

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ATACAAAAAAATTAGCTGGGCATGGTGGCGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAA
TTGCTTGAACCCAGGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
TAACAAGAGCGAAACTCCGACTCA-----

>subfamily11_Owl#SINE/Alu

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TTAGCCGAGCATGGTGGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAACCCA
GGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
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>subfamily3_Owl#SINE/Alu

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TTAGCTGGGCATGGTGGCGCACGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAACCCA
GGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
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>subfamily16_Owl#SINE/Alu

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GGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
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>subfamily8_Owl#SINE/Alu

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TTAGCTGGGCATGGTGGTGGCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAACCCA
GGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGTCTGGG-----
TAACAACAGCGAAACTCCGTCTCA-----

>subfamily15_Owl#SINE/Alu

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TTAGCTGGGCATGGTGGCGCACGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAACCCA
GGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
TAACAAGAGCGAAACTCCGTCTCA-----

>subfamily20_Owl#SINE/Alu

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TTAGCTGGGCATGGTGGCGCGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCTGAACCCA
GGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----TA--
AAGAGCGAAACTCCGTCTCA-----

>subfamily18_Owl#SINE/Alu

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AAAAAATTAGCTGGGCATGGTGGCGCGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCT
GAACCCAGGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----TA-
CAAGAGCGAAACTCCGTCTCA-----

>subfamily10_Owl#SINE/Alu

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AAAATTAGCTGGGCATGGTGGCGCGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCTGA
ACCCAGGAGGCGGAGGTTGCGATGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
CAACAAGAGCGAAACTCCGTCTCA-----

>subfamily17_Owl#SINE/Alu

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AAAAATTAGCTGGGCATGGTGGCGCGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCT
GAACCCAGGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
TAACGAGAGCGAAACTCCGTCTCA-----

>subfamily23_Owl#SINE/Alu

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TTAGCTGGGCATGGTGGCGCGTGCCTGTAATCCCAGCTACCCAGGAGGCTGAGGCAGGAGAATTGCCTGAACCCA
GGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
TAACGAGAGCGAAACTCCGTCTCA-----

>subfamily25_Owl#SINE/Alu

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TTAGCTGGGCATGGTGGCGCGTGCCTGTAATCGCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCTGAACCC
AGGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
TAACAAGAGCGAAACTCCGTCTCA-----

>subfamily24_Owl#SINE/Alu

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GAGGTCAAGAGATCGAGACCA-TCCTGGTCAACATGGTGAAACCCCGTCTCTACTAA----TACA-A-
AAAATTAGCTGGGCACGGTGGCGCGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCTGA
ACCCAGGAGGCGGAGATTGCGGTGAGCCGAGATCGCGCCATTGCGCTCCAGCCTGG-----
TATCAAGAGCGAAACTCCGTCTCA-----

>subfamily19_Owl#SINE/Alu

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AAAAATTAGCTGGGCACGGTGGCGCGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCT
GAACCCAGGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
TAACAAGAGCGAGACTCCGTCTCA-----

>subfamily9_Owl#SINE/Alu

GGCCGGGCGCGGTGGCTCAAGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGTGGAT-CAC--
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AAAAAATTAGCTGGGCACGGTGGCGCGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTGCCT
GAACCCAGGAGGCGGAGGTTGCGGTGAGCCGAGATCGCGCCATTGCACTCCAGCCTGGG-----
TAACAAGAGCGAGACTCCGTCTCA-----