**Supplemental file 4**

**Alignment of 64 *MJ1* sequences and the parameters/model used for phylogenetic analysis**

Note: The parameters and the selected model are shown after the sequence alignment block. Below is an executable nexus file.

#NEXUS

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BEGIN DATA;

dimensions ntax=64 nchar=2006;

format missing=?

interleave datatype=DNA gap= -;

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Aba\_MJ1\_Clone1 TCATTTGTTACGCGCGATGAAAGAGTATCGGGACATCGTAAT--------

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Ale\_MJ1\_Clone10 TCATTTGTTACGCGCGATGAAAGAGTATCGGGACATCGTAAT--------

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Acr\_MJ1\_Clone1 GT-------------------CAGGAGTTTGTTTTTT-CGTAC-------

Ape\_MJ1\_Clone4 -T-------------------CAGGAGTTTGATTTTT-CGGAC-------

Ape\_MJ1\_Clone5 -T-------------------CAGGAGTTTGATTTTT-CGGAC-------

Ahy\_MJ1\_Clone3 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone7 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aju\_MJ1\_Clone3 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aya\_MJ1\_Clone2 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone2 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone7 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone1 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone3 TTTGAAAAACTCAGTTTGTTTCAGGAGTTTGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone4 TTTGAAAAACTCAGTTTGTTTCAGGAGTTTGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone6 TTTGAAAAACTCAGTTTGTTTCAGGAGTTTGTTTTTT-CGGAC-------

Akl\_MJ1\_Clone3 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aba\_MJ1\_Clone2 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Akw\_MJ1\_Clone3 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aya\_MJ1\_Clone3 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aju\_MJ1\_Clone1 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone5 GT-------------------CAGGAGTATGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone9 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Akw\_MJ1\_Clone2 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Asi\_MJ1\_Clone8 GT-------------------CAGGAGTTTGTTTTGT-CGGAC-------

Akl\_MJ1\_Clone2 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aya\_MJ1\_Clone1 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Akl\_MJ1\_Clone1 GT-------------------CAGGAGTTTGTTTTTT-TGGAC-------

Aba\_MJ1\_Clone3 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aba\_MJ1\_Clone1 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Akw\_MJ1\_Clone1 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aju\_MJ1\_Clone2 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aju\_MJ1\_Clone7 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone4 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone10 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aju\_MJ1\_Clone5 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone5 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aju\_MJ1\_Clone6 GT-------------------CAGCAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone3 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone12 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aju\_MJ1\_Clone4 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Aju\_MJ1\_Clone8 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone9 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone6 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone13 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ale\_MJ1\_Clone2 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ape\_MJ1\_Clone1 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

Ape\_MJ1\_Clone3 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

CONTIG\_574 AT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

CONTIG\_7401 GT-------------------CAGGAGTTTGTTTTTT-CGGAC-------

CONTIG\_10225 --------------------------------------------------

CONTIG\_29853 --------------------------------------------------

CONTIG\_11920 --------------------------------------------------

CONTIG\_8991 --------------------------------------------------

CONTIG\_23766 --------------------------------------------------

CONTIG\_13910 --------------------------------------------------

CONTIG\_4960 --------------------------------------------------

Ape\_MJ1\_Clone6 --------------------------------------------------

Ape\_MJ1\_Clone7 --------------------------------------------------

Ape\_MJ1\_Clone2 --------------------------------------------------

Ale\_MJ1\_Clone1 --------------------------------------------------

Ale\_MJ1\_Clone11 --------------------------------------------------

Ahy\_MJ1\_Clone1 --------CTCCA--------------TTCCTTTTCCAT-----------

Ahy\_MJ1\_Clone2 --------CTCCA--------------TTCCTTTTCCAT-----------

Ale\_MJ1\_Clone8 TGTTCGTGCTGCAGCAGCCGCACAATGTCCCATCGCCATCGAGGGACAGC

Acr\_MJ1\_Clone2 --------------------------------------------------

Acr\_MJ1\_Clone3 --------------------------------------------------

Acr\_MJ1\_Clone1 --------------------------------------------------

Ape\_MJ1\_Clone4 --------------------------------------------------

Ape\_MJ1\_Clone5 --------------------------------------------------

Ahy\_MJ1\_Clone3 --------------------------------------------------

Ale\_MJ1\_Clone7 --------------------------------------------------

Aju\_MJ1\_Clone3 --------------------------------------------------

Aya\_MJ1\_Clone2 --------------------------------------------------

Asi\_MJ1\_Clone2 --------------------------------------------------

Asi\_MJ1\_Clone7 --------------------------------------------------

Asi\_MJ1\_Clone1 --------------------------------------------------

Asi\_MJ1\_Clone3 --------------------------------------------------

Asi\_MJ1\_Clone4 --------------------------------------------------

Asi\_MJ1\_Clone6 --------------------------------------------------

Akl\_MJ1\_Clone3 --------------------------------------------------

Aba\_MJ1\_Clone2 --------------------------------------------------

Akw\_MJ1\_Clone3 --------------------------------------------------

Aya\_MJ1\_Clone3 --------------------------------------------------

Aju\_MJ1\_Clone1 --------------------------------------------------

Asi\_MJ1\_Clone5 --------------------------------------------------

Asi\_MJ1\_Clone9 --------------------------------------------------

Akw\_MJ1\_Clone2 --------------------------------------------------

Asi\_MJ1\_Clone8 --------------------------------------------------

Akl\_MJ1\_Clone2 --------------------------------------------------

Aya\_MJ1\_Clone1 --------------------------------------------------

Akl\_MJ1\_Clone1 --------------------------------------------------

Aba\_MJ1\_Clone3 --------------------------------------------------

Aba\_MJ1\_Clone1 --------------------------------------------------

Akw\_MJ1\_Clone1 --------------------------------------------------

Aju\_MJ1\_Clone2 --------------------------------------------------

Aju\_MJ1\_Clone7 --------------------------------------------------

Ale\_MJ1\_Clone4 --------------------------------------------------

Ale\_MJ1\_Clone10 --------------------------------------------------

Aju\_MJ1\_Clone5 --------------------------------------------------

Ale\_MJ1\_Clone5 --------------------------------------------------

Aju\_MJ1\_Clone6 --------------------------------------------------

Ale\_MJ1\_Clone3 --------------------------------------------------

Ale\_MJ1\_Clone12 --------------------------------------------------

Aju\_MJ1\_Clone4 --------------------------------------------------

Aju\_MJ1\_Clone8 --------------------------------------------------

Ale\_MJ1\_Clone9 --------------------------------------------------

Ale\_MJ1\_Clone6 --------------------------------------------------

Ale\_MJ1\_Clone13 --------------------------------------------------

Ale\_MJ1\_Clone2 --------------------------------------------------

Ape\_MJ1\_Clone1 --------------------------------------------------

Ape\_MJ1\_Clone3 --------------------------------------------------

CONTIG\_574 --------------------------------------------------

CONTIG\_7401 --------------------------------------------------

CONTIG\_10225 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

CONTIG\_29853 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

CONTIG\_11920 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

CONTIG\_8991 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

CONTIG\_23766 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

CONTIG\_13910 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

CONTIG\_4960 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ape\_MJ1\_Clone6 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ape\_MJ1\_Clone7 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ape\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAACAGCCGCACAATGTG

Ale\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ale\_MJ1\_Clone11 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ahy\_MJ1\_Clone1 --TCCTGAATCCAATATAAAC-----------------------------

Ahy\_MJ1\_Clone2 --TCCTGAATCCAATATAAAC-----------------------------

Ale\_MJ1\_Clone8 ATTCCTGAATCCAATATAAAC-----------------------------

Acr\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Acr\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Acr\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ape\_MJ1\_Clone4 ------GAG--------AAA------------------------------

Ape\_MJ1\_Clone5 ------GAG--------AAA------------------------------

Ahy\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ale\_MJ1\_Clone7 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aju\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aya\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Asi\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Asi\_MJ1\_Clone7 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Asi\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Asi\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Asi\_MJ1\_Clone4 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Asi\_MJ1\_Clone6 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Akl\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aba\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Akw\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aya\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aju\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Asi\_MJ1\_Clone5 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Asi\_MJ1\_Clone9 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Akw\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

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Akl\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aya\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Akl\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

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Aba\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Akw\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aju\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aju\_MJ1\_Clone7 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ale\_MJ1\_Clone4 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ale\_MJ1\_Clone10 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aju\_MJ1\_Clone5 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ale\_MJ1\_Clone5 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

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Ale\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ale\_MJ1\_Clone12 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aju\_MJ1\_Clone4 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Aju\_MJ1\_Clone8 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

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Ale\_MJ1\_Clone6 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ale\_MJ1\_Clone13 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ale\_MJ1\_Clone2 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ape\_MJ1\_Clone1 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

Ape\_MJ1\_Clone3 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

CONTIG\_574 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTA

CONTIG\_7401 ------GAG--------AAACTGTTCGTGCTGCAGCAGCCGCACAATGTG

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CONTIG\_29853 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

CONTIG\_11920 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

CONTIG\_8991 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

CONTIG\_23766 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

CONTIG\_13910 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

CONTIG\_4960 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ape\_MJ1\_Clone6 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ape\_MJ1\_Clone7 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ape\_MJ1\_Clone2 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ale\_MJ1\_Clone1 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ale\_MJ1\_Clone11 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ahy\_MJ1\_Clone1 --------------------------------------------------

Ahy\_MJ1\_Clone2 --------------------------------------------------

Ale\_MJ1\_Clone8 --------------------------------------------------

Acr\_MJ1\_Clone2 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Acr\_MJ1\_Clone3 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Acr\_MJ1\_Clone1 CAAAATGACCGGGTGTGGGCCCCATCGAGGGACAGCATTCCTGAATCCAA

Ape\_MJ1\_Clone4 --------------------------------------------------

Ape\_MJ1\_Clone5 --------------------------------------------------

Ahy\_MJ1\_Clone3 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ale\_MJ1\_Clone7 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Aju\_MJ1\_Clone3 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Aya\_MJ1\_Clone2 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Asi\_MJ1\_Clone2 CGAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Asi\_MJ1\_Clone7 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Asi\_MJ1\_Clone1 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Asi\_MJ1\_Clone3 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Asi\_MJ1\_Clone4 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Asi\_MJ1\_Clone6 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Akl\_MJ1\_Clone3 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Aba\_MJ1\_Clone2 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Akw\_MJ1\_Clone3 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Aya\_MJ1\_Clone3 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

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Aya\_MJ1\_Clone1 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

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Aju\_MJ1\_Clone7 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

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Aju\_MJ1\_Clone5 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ale\_MJ1\_Clone5 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Aju\_MJ1\_Clone6 CAAAATG-------------------------------------------

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Ale\_MJ1\_Clone12 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Aju\_MJ1\_Clone4 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Aju\_MJ1\_Clone8 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ale\_MJ1\_Clone9 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ale\_MJ1\_Clone6 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ale\_MJ1\_Clone13 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ale\_MJ1\_Clone2 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ape\_MJ1\_Clone1 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

Ape\_MJ1\_Clone3 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

CONTIG\_574 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

CONTIG\_7401 CAAAATGACCGGGTGTGGGCGCCATCGAGGGACAGCATTCCTGAATCCAA

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Ape\_MJ1\_Clone7 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Ale\_MJ1\_Clone11 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Ahy\_MJ1\_Clone1 -------ATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Ahy\_MJ1\_Clone2 -------ATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Acr\_MJ1\_Clone2 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGGTGGTTTGGGGGG

Acr\_MJ1\_Clone3 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGGTGGTTTGGGGGG

Acr\_MJ1\_Clone1 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGGTGGTTTGGGGGG

Ape\_MJ1\_Clone4 --------------------------------------------------

Ape\_MJ1\_Clone5 --------------------------------------------------

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Ale\_MJ1\_Clone7 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Aju\_MJ1\_Clone3 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Aya\_MJ1\_Clone2 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Asi\_MJ1\_Clone2 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Asi\_MJ1\_Clone7 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Asi\_MJ1\_Clone1 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Asi\_MJ1\_Clone3 TATAAACATCCCTCGGTTCCAAAGTGCCACGTCGGTGATGGTTTGGGGGG

Asi\_MJ1\_Clone4 TATAAACATCCCTCGGTTCCAAAGTGCCACGTCGGTGATGGTTTGGGGGG

Asi\_MJ1\_Clone6 TATAAACATCCCTCGGTTCCAAAGTGCCACGTCGGTGATGGTTTGGGGGG

Akl\_MJ1\_Clone3 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Akw\_MJ1\_Clone2 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Aya\_MJ1\_Clone1 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Aba\_MJ1\_Clone1 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Akw\_MJ1\_Clone1 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Aju\_MJ1\_Clone2 -----------------------------CGTCGGTGATGGTTTGGGGGG

Aju\_MJ1\_Clone7 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Ale\_MJ1\_Clone10 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTAGGGGG

Aju\_MJ1\_Clone5 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Ale\_MJ1\_Clone5 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Aju\_MJ1\_Clone6 -----------------------------CGTCGGTGATGGTTTGGGGGG

Ale\_MJ1\_Clone3 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Ale\_MJ1\_Clone12 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Aju\_MJ1\_Clone4 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Aju\_MJ1\_Clone8 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Ale\_MJ1\_Clone13 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Ape\_MJ1\_Clone1 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

Ape\_MJ1\_Clone3 TATAAACATCCCTCGGTTCCAAAGTGCCGCGTCGGTGATGGTTTGGGGGG

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Aba\_MJ1\_Clone3 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Aba\_MJ1\_Clone1 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Akw\_MJ1\_Clone1 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Aju\_MJ1\_Clone2 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Aju\_MJ1\_Clone7 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Ale\_MJ1\_Clone4 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Ale\_MJ1\_Clone10 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Aju\_MJ1\_Clone5 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Ale\_MJ1\_Clone5 GGGGGGGGGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

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Ale\_MJ1\_Clone3 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Ale\_MJ1\_Clone12 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

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Ale\_MJ1\_Clone6 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Ale\_MJ1\_Clone13 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Ale\_MJ1\_Clone2 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Ape\_MJ1\_Clone1 -------AGGGGGG-----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

Ape\_MJ1\_Clone3 -------AGGGGGGG----TCATTCCAAGAGAAATGTTGTAAACGTTCCT

CONTIG\_574 -------AGGGGGGGG---TCATTCCAAGAGAAATGTTGTAAACGTTCCT

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Ahy\_MJ1\_Clone1 CCGTG-

Ahy\_MJ1\_Clone2 CCGTG-

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Ape\_MJ1\_Clone3 CCGTG-

CONTIG\_574 CCGTG-

CONTIG\_7401 CCGTG-

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