

B

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 JQ867082 CCACCATTTGGGCTACAACAACGAATTCTATCGCAGCAACAACCATGTACACCACAACAA 60
 JQ867084 CCACCATTTGGGCTACAACAACCAATTCTATCGCAGCAACAACCATGTACACCACAACAA 60
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 DQ267479 CCACCATTTGGGCTACAACAACCAATTCTATGGCAGCAACAACCATGTACACCACAACAA 60
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X87232_FW →

X87232 CCACCATTTGGGCTACAACAACCAATTCTATCGCAACAACAACCATGTACACCACAACA 60
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 JQ867088 CCACCATTTGGGCTACAACAACCAAGTTCTATCGCAGCAACAACCATGTACACCACAACAA 60
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JQ859917 ACACCCTCCCACAAGGACAACCTGTATCAAACGCTTCTGCAACTACAATAACCCCTATGTT 120
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← **X87232_RV**

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 DQ148297 ACACCCTCCCACAAGGACAACCTGTACCAAACGCTTCTGCAACTACAATAACCCCTATGTT 120
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GQ342976_FW →

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 JQ867088 ACACCCTCCCACAAGGACAACAAGATCAAATGCTTGTGCAAGTACAATAACCATTTGTT 120
 DQ826387 ACACCCTCCTACAAGAACAACAAGATCAAATGCTTCTGCAAGTACAATAACCATTTGTT 120

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JQ867084 GTGTTGCAGCAACAATGTTGCCAGCAACTGCCGCAAATCCCGAACAATTCGCCCATGAG 300
 DQ178602 GTGTTGCAGCGACAATGTTGCCAGCAACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
 DQ267479 GTGTTGCAGCGACAATGTTGCCAGCAACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
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 X87232 GTGTTGCAGCAACAATGTTGCCAGCAACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
 JQ859916 GTGTTGCAGCAACAATGTTGCCAGCAACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
 DQ148297 GTGTTGCAGCAACAATGTTGCCAGCAACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
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← **B3b_RV**

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 JQ867085 GTGTTGCAGCAACAATGTTGCCAACAACACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
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 GQ342971 GTGTTGCAGCAACAATGTTGCCAACAACACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
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 GQ342972 GTGTTGCAGCAACAATGTTGCCAACAACACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
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 DQ826387 GTGTTGCAGCAACAATGTTGCCAACAACACTGCCGCAAATTCGCCAACAATTCGCCCATGAG 300
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B1_FW →

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 JQ859915 GCAATCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
 X53690 GCAATCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
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JQ867084_FW →

JQ867084 GCAATCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
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 DQ267479 GCAATCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
 JQ867073 GCAATCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
 X87232 GCAATCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
 JQ859916 GCAATCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
 DQ148297 GCAATCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
 X03103 GCAATCCGTGCAATCGTCTATCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360

B3_FW →

B3a_FW →

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 DQ826387 GCAGTCCGTGCAATCGTCTACTCTATCTTTCTGCAAGAACAACCCCAACAGTGGTCCAA 360
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← **B1a_RV**

Common B_FW →

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 JQ859915 GGTGTATCCCAACCCCAACAACAGTTGCAGCAGGAGCAAGTTGGACAATGTTCTTTCCAA 420
 X53690 GGTGTATCCCAACCCCAACAACAGTTGCAGCAGGAGCAAGTTGGACAATGTTCTTTCCAA 420
 JQ867081 GGTGTATCCCAACCCCAACAACAGTTGCAGCAGGAGAAAGTTGGACAATGTTCTTTCCAA 420
 JQ867083 GGTGTATCCCAACCCCAACAACAGTTGCAGCAGGAGAAAGTTGGACAATGTTCTTTCCAA 420
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JQ867084_RV ←

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 DQ178602 GGTGTATCCCAACCCCAAAAAACAGTTGCAGCAGGAGCAAGTTGGACAATGTTCTTTCCAA 420

DQ267479 GGTGTATCCCAACCCCAAAAAACAGTTGCAGCAGGAGCAAGTTGGACAATGTTCTTTTCCAA 420
 JQ867073 GGTGTATCCCAACCCCAACAACAGTTGCAGCAGGAGCAAGTTGGACAATGTTATTTTCCAA 420
 X87232 GGTGCCCTCCCAACCCCAACAACAGTTGCAGGAGGAGCAAGTCGGACAATGTTATTTTCCAA 420
 JQ859916 GGTGTCTCCCAACCCCAACAACAGTTGCAGCAGGAGCAAGTCGGACAATGTTATTTTCCAA 420
 DQ148297 GGTGTCTCCCAACCCCAACAACAGTTGCAACAGGAGCAAGTCGGACAATGTTATTTTCCAA 420

B2_FW →

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← **B3_RV** ← **B3a_RV**

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 GQ342973 GGTATCTCCCAACCCCAACAACAGTTGCAGCTACAGCAAGTCGGACAATGTTCTTTTCCAA 420
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JQ867088_FW →

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 JQ867081 CAACCTCAACCACAACAACACTTGGTCAACCACAGCAGGTACCACAAAGTGTTTCTTGCGAG 480
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← **B2_RV**

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 GQ342970 CAACCTCAACCACAACAGG---GTCAACAACAGCAAGTGCCACAGAGTGTTTCTTGCGAG 477
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 GQ342972 CAACCTCAACCACAACAGG---GTCAACAACAGCAAGTGCCACAGAGTGTTTCTTGCGAG 477
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B3c_FW →

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DQ826387_FW →

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← **Common B_RV/B1_RV**

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 X53690 CCACACCAGATAGCTCAGCTTGAGGGGACGACTTCCATTGCGCTGCGTACCCTACCAAGG 540
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X87232 CCACACCAGATAGCTCAGCTTGAGGCGACGAAATCCATTGCGCTGCGTACCCCTACCAACG 540
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DQ148297_FW

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B3c_RV

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JQ867088_RV

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JQ859915 ATGTGCAATGTTAATGTGCCATTGTACGACATCATGCCACCCGACTTTTGCCACTAG--- 597
X53690 ATGTGCAATGTTAATGTGCCATTGTACGACATCATGCCACCCGACTTTTGCCACTAG--- 597
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DQ267479 ATGTGCAATGTTAATGTGCCATTGTACGACATCATGCCAGTCGACTTTTGCCACTAG--- 597
JQ867073 ATGTGCAATGTTAATGTGCCATTGTATGACATCATGCCATTGGCGTT-GGCACTAGAGT 599
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JQ859916 ATGTGCAATGTTAATGTGCCATTGTATGACATCATGCCATTGGCGTT-GGCACTAGAGT 599
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DQ148297_RV

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JQ867087 ATGTGCAAGTGTAAATGTGCCGTTGTACCGCATACTGCCATTAGCCATT-GACACGAGAGT 596
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GQ342971 ATGTGCAAGTGTAAATGTGCCGTTGTACCGCATACTGCCATTAGCCATT-GACACGAGAGT 596
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GQ342973 ATGTGCAAGTGTAAATGTGCCGTTGTACCGCATACTTCCATTCGGCATT-GACACGAGAGT 596
GQ342975 ATGTGCAAGTGTAAATGTGCCGTTGTACCGCATACTTCCATTCGGCATT-GACACGAGAGT 596
JQ867088 ATGTGCAAGTGTAAATGTGCCGTTCTACCGCATACTTCCATTCGGCATT-GACACGAGAGT 596
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DQ826387_RV

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DQ826387 ATGTGCAAGTGTAAATGTGCCGTTCTACCGCATACTTCCATTCGGCATT-GACACGAGAGT 596
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JQ859917 -----
JQ867075 -----
JQ867074 -----
JQ859915 -----
X53690 -----
JQ867081 -----
JQ867083 -----
JQ867082 -----
JQ867084 -----
DQ178602 -----
DQ267479 -----
JQ867073 TGATGTCTAA 609
X87232 TGGTGTCTAA 609

JQ859916 TGATGTCTAA 609
 DQ148297 TGGTGTCTAA 606
 X03103 TGGTGTCTAA 606
 JQ867086 TGGTGTCTAA 606
 JQ867087 TGGTGTCTAA 606
 JQ867089 TGGTGTCTAA 606
 JQ867085 TGGTGTCTAA 606
 GQ342970 TGGTGTCTAA 606
 GQ342971 TGGTGTCTAA 606
 DQ267478 TGGTGTCTAA 606
 GQ342972 TGGTGTCTAA 606
 GQ342976 TGGTGTCTAA 606
 GQ342973 TGGTGTCTAA 606
 GQ342975 TGGTGTCTAA 606
 JQ867088 TGGTGTCTAA 606
 DQ826387 TGGTGTCTAA 606

C

X60037 -----ACCGCAAAAACCATTTCC-----AGTGC-AGCAACCGTTTCAC-- 37
 JQ867090 CCTGCAACCCCAACCACCACAACAACCTTTTCCT---CAGTCCCAACAACCATTTCAGCTG 57
 S66938 -----TCGGCCCCAACAACCATTTCCCTTGGAACCACAACAACCATTTTCCC-- 46
 * * * * *

X60037 ACA-CCCAACAAT-ATTTCCCTATCTACCAGAGGAATTGTTTCCCAATATC---AAA 92
 JQ867090 GCAACCACAACAACCATTTTCCAGCC--CCAAC--AACCAGTTCCCAACAACCACAAC 113
 S66938 -CAGCCCCAACAACCAATT-CCCTACCAACCACAACAACCATTCAACCAGCAACCACAAC 104
 * * * * *

X60037 TACCAACCCCTTACAACCACAACAACCATTTCCCAACAACCACAACAACCTTTCCTC 152
 JQ867090 AACCGTTCCTCCAGCAACCACAACAACCATTTCCCTTGGAACCACAACAACCATTTCCGC 173
 S66938 AAATAATATCCAGCAACCACAACAACCATTTCCCAACAACCACAACAACCTTTTCCCTC 164
 * * * * *

X60037 GGCCCCAACAACCATTTCCCTTGGAACCACAACAACCATT-----TCCC----CAGCCCC 203
 JQ867090 AGCCCCAACAACCAATTGCGCACCAACCACAACAACCATTCTCGTTCTCGCAGCAACCAC 233

S66938 AGCCCCAACAACCATTTCCCTTGGAACCACAACAACCATT-----TCCC----CAGCC**TC** 215
 * * * * * **S66938_FW** →

X60037 AAGAACCAATTCCCAAGCAACCACAACAACCATTTCCACAGCAACCACAACAACCATTCC 263
 JQ867090 AACCAACCATTTCCCTCTGCAACCGCAACAATCATTTCCCAACAACCACAACAACCATTTC 293

S66938 **AACAACCATTTCCCTT**GCAACCACAACAACCATTTCCCT**TC**GCAACCACAACAACCATTTTC 275
 * * * * * ← **S66938_RV**

X60037 CACAGCAACCACAACAATAATTTTCCAGCAACCCCAACAATCATACCTGT-----GC 317
 JQ867090 CCCAACAACCACAACAATAATTTTCCAGCAACCCCAACAATCATACCTGT-----GC 347
 S66938 C---GCAGCCCCAACAACCTATGCGCACCAACCACAACAACCATTTCTCGTTCTCGCAGC 332
 * * * * *

X60037 AACCTCAACAGCCATTTCTC---AAC**CTCAAC**---CAGTCCCCCAGCAGCGACCCCAAC 371
 JQ867090 AACCTCAACAGCCATTTCTC---AACCTCAAC---CAGTCCCCCAGCAGCGACCCCAAC 401
 S66938 AACCAACAACAACCATTTCCCTCTGCAACCGCAACAACCATTTCCCAACAACA---ACCACAAC 389
 * * * * *

X60037 AAGCATCCCCCTTACA**ACCGCAAC****CCCAACAAG**CATCCCCCTTACAACCGCAACAACCAT 431
 JQ867090 AAGCATCCCCCTTACAACCGCAAC-----AACCAT 431
 S66938 AACCATTTCCCAACAACCACAAC-----AAATAA 419
 * * * * *

C1_FW →

← **C1_RV**

D82941 AAGGGCAAAAAGGATACTACCCAAGTGAATTTCTCCGCAGCAGTCAGGACAAGGACAAC 420

JQ867076 AAGGATACCAGCCTAGTGGAGCTTCTTCACAGGGGTCGGTGCAAGGGGCGTGCCAGCACA 360
JQ867091 AAGGATACCAGCCTAGTGGAGCTTCTTCACAGGGGTCGGTGCAAGGGGCGTGCCAGCACA 360
AY268139 AAGGATACCAGCCTAGTGGAGCTTCTTCACAGGGGTCGGTGCAAGGGGCGTGCCAGCACA 330
JQ867077 AAGGATACCAGCCTAGTGGAGCTTCTTCACAGGGGTCGGTGCAAGGGGCGTGCCAGCACA 420
D82941 AAGGATACCAGCCTAGTGGAGCTTCTTCACAGGGGTCGGTGCAAGGGGCGTGCCAGCACA 480

JQ867076 GCACATCTTCTCCGCAGCAGCAAGCACAAGGGTGCCAAGCTTCTTCACCAAAGCAAGGGC 420
JQ867091 GCACATCTTCTCCGCAGCAGCAAGCACAAGGGTGCCAAGCTTCTTCACCAAAGCAAGGGC 420
AY268139 GCACATCTTCTCCGCAGCAGCAAGCACAAGGGTGCCAAGCTTCTTCACCAAAGCAAGGGC 390
JQ867077 GCACATCTTCTCCGCAGCAGCAAGCACAAGGGTGCCAAGCTTCTTCACCAAAGCAAGGGC 480
D82941 GCACATCTTCTCCGCAGCAGCAAGCACAAGGGTGCCAAGCTTCTTCACCAAAGCAAGGGC 540

JQ867076 TAGGGTCGTTGTACTACCCGAGTGGAGCTTATACACAACAGAAACCAGGGCAAGGGTACA 480
JQ867091 TAGGGTCGTTGTACTACCCGAGTGGAGCTTATACACAACAGAAACCAGGGCAAGGGTACA 480
AY268139 TAGGGTCGTTGTACTACCCGAGTGGAGCTTATACACAACAGAAACCAGGGCAAGGGTACA 450
JQ867077 TAGGGTCGTTGTACTACCCGAGTGGAGCTTATACACAACAGAAACCAGGGCAAGGGTACA 540
D82941 TAGGGTCGTTGTACTACCCGAGTGGAGCTTATACACAACAGAAACCAGGGCAAGGGTACA 600

JQ867076 ACCCAGGTGGAACCTTCTCCGCTGCACCAGCAAGGGGGAGGGTTCCGGCGGCGGGTTAACGA 540
JQ867091 ACCCAGGTGGAACCTTCTCCGCTGCACCAGCAAGGGGGAGGGTTCCGGCGGCGGGTTAACGA 540
AY268139 ACCCAGGTGGAACCTTCTCCGCTGCACCAGCAAGGGGGAGGGTTCCGGCGGCGGGTTAACGA 510
JQ867077 ACCCAGGTGGAACCTTCTCCGCTGCACCAGCAAGGGGGAGGGTTCCGGCGGCGGGTTAACGA 600
D82941 ACCCAGGTGGAACCTTCTCCGCTGCACCAGCAAGGGGGAGGGTTCCGGCGGCGGGTTAACGA 660

JQ867076 CGGAGCAACCGCAGGGAGGAAAGCAGCCATTCCATTGCCAGCAAACCACTGTCTCCCTC 600
JQ867091 CGGAGCAACCGCAGGGAGGAAAGCAGCCATTCCATTGCCAGCAAACCACTGTCTCCCTC 600
AY268139 CGGAGCAACCGCAGGGAGGAAAGCAGCCATTCCATTGCCAGCAAACCACTGTCTCCCTC 570
JQ867077 CGGAGCAACCGCAGGGAGGAAAGCAGCCATTCCATTGCCAGCAAACCACTGTCTCCCTC 660
D82941 CGGAGCAACCGCAGGGAGGAAAGCAGCCATTCCATTGCCAGCAAACCACTGTCTCCCTC 720

JQ867076 ACCAGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 660
JQ867091 ACCGGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 660
AY268139 ACCAGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 630
JQ867077 ACCAGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 720
D82941 ACCAGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 780
*** *****

JQ867076 ATCAGGGTCAGCAAACCACTGTCTCCCTCACCAGGGTCAGCAAACCACCGTCTCCCTC 720
JQ867091 ATCAGGGTCAGCAAACCACTGTCTCCCTCACCAGGGTCAGCAAACCACCGTCTCCCTC 720
AY268139 ATCAGGGTCAGCAAACCACGGTCTCCCTCACCAGGGTCAGCAAACCACCGTCTCCCTC 690
JQ867077 ATCAGGGTCAGCAAACCAC----- 739
D82941 ATCAGGGTCAGCAAACCAC----- 799

JQ867076 ACCAGGGTCAGCAAACCACCGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 780
JQ867091 ACCAGGGTCAGCAAACCACCGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 780
AY268139 ACCAGGGTCAGCAAACCACCGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 750
JQ867077 -----CGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 780
D82941 -----TGCTCCCTCACCAGGGTCAGCAAACCACCGTCTCCCTC 840

JQ867076 ATCCGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 840
JQ867091 ATCCGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 840
AY268139 ATCCGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 810
JQ867077 ATCCGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 840
D82941 ACCAGGGTCAGCAAACCACCGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 900
* * *****

JQ867076 ATCCGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 900
JQ867091 ATCCGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 900
AY268139 ATCCGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 870
JQ867077 ATCCGGGTCAGCAAACCACTGTCTCCCTCATCAGGGTCAGCAAACCACTGTCTCCCTC 900
D82941 ATCCGGGTCAGCAAACCAC----- 919


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JQ867076   ATCAGGGTCAGCAAACCAC-----CGTCTCCCCTC 930
JQ867091   ATCAGGGTCAGCAAACCAC-----CGTCTCCCCTC 930
AY268139   ATCAGGGTCAGCAAACCACACTGTCTCCCCTCATCAGGGTCAGCAAACCACCGTCTCCCCTC 930
JQ867077   ATCAGGGTCAGCAAACCAC-----CGTCTCCCCTC 930
D82941     -----CGTCTCCCCTC 930
                                              *****

JQ867076   ATCAGGGTCAGCAAACCACCGTCTCCCCTCATCAGGGTCAGCAAACCACCGTCTCCCCTC 990
JQ867091   ATCAGGGTCAGCAAACCACCGTCTCCCCTCATCAGGGTCAGCAAACCACCGTCTCCCCTC 990
AY268139   ATCAGGGTCAGCAAACCACCGTCTCCCCTCATCAGGGTCAGCAAACCACCGTCTCCCCTC 990
JQ867077   ATCAGGGTCAGCAAACCACCGTCTCCCCTCATCAGGGTCAGCAAACCACCGTCTCCCCTC 990
D82941     ATCAGGGTCAGCAAACCACCGTCTCCCCTCATCAGGGTCAGCAAACCACCGTCTCCCCTC 990
*****

                                          Common D_FW →
JQ867076   ATCAGGGTCAGCAGCCCGCGGCGAGCAGCCTTGCGGTTTCCCTGGCCAGCAAACCACCGTGT 1050
JQ867091   ATCAGGGTCAGCAGCCCGCGGCGAGCAGCCTTGCGGTTTCCCTGGCCAGCAAACCACCGTGT 1050
AY268139   ATCAGGGTCAGCAGCCCGCGGCGAGCAGCCTTGCGGTTTCCCTGGCCAGCAAACCACCGTGT 1050
JQ867077   ATCAGGGTCAGCAGCCCGCGGCGAGCAGCCTTGCGGTTTCCCTGGCCAGCAAACCACCGTGT 1050
D82941     ATCAGGGTCAGCAGCCCGCGGCGAGCAGCCTTGCGGTTTCCCTGGCCAGCAAACCACCGTGT 1050
*****

                          ← Common D_RV
JQ867076   CTCTGCACCATGGTCAGCAGTCCAACGAGTTGTA ACTACGGCAGCCCATACCATGTTAGCG 1110
JQ867091   CTCTGCACCATGGTCAGCAGTCCAACGAGTTGTA ACTACGGCAGCCCATACCATGTTAGCG 1110
AY268139   CTCTGCACCATGGTCAGCAGTCCAACGAGTTGTA ACTACGGCAGCCCATACCATGTTAGCG 1110
JQ867077   CTCTGCACCATGGTCAGCAGTCCAACGAGTTGTA ACTACGGCAGCCCATACCATGTTAGCG 1110
D82941     CTCTGCACCATGGTCAGCAGTCCAACGAGTTGTA ACTACGGCAGCCCATACCATGTTAGCG 1110
*****

JQ867076   TGGAGCAGCCGTGCGCCAGCCTAAAGGTAGCAAAGGGCGCAGCAGCTCGCGGCGCAGCTGC 1170
JQ867091   TGGAGCAGCCGTGCGCCAGCCTAAAGGTAGCAAAGGGCGCAGCAGCTCGCGGCGCAGCTGC 1170
AY268139   TGGAGCAGCCGTGCGCCAGCCTAAAGGTAGCAAAGGGCGCAGCAGCTCGCGGCGCAGCTGC 1170
JQ867077   TGGAGCAGCCGTGCGCCAGCCTAAAGGTAGCAAAGGGCGCAGCAGCTCGCGGCGCAGCTGC 1170
D82941     TGGAGCAGCCGTGCGCCAGCCTAAAGGTAGCAAAGGGCGCAGCAGCTCGCGGCGCAGCTGC 1170
*****

JQ867076   CGGCAATGTGTGCGCTGGAGGGCGGGCGGGCGGCTGTTGGCCAGCCAGTAG 1220
JQ867091   CGGCAATGTGCGCGCTGGAGGGCGGGCGGGCGGCTGTTGGCCAGCCAGTAG 1220
AY268139   CGGCAATGTGTGCGCTGGAGGGCGGGCGGGCGGCTGTTGGCCAGCCAGTAG 1220
JQ867077   CGGCAATGTGTGCGCTGGAGGGCGGGCGGGCGGCTGTTGGCCAGCCAGTAG 1220
D82941     CGGCAATGTGTGCGCTGGAGGGCGGGCGGGCGGCTGTTGGCCAGCCAGTAG 1220
***** *

γ

JQ867078   CCAGCGGCACTAC---TACCATTACTCACCGTTCCCTAACATTTCCCAGCAACTACT 57
X13508     CCAACGGCACTAC---TACCATTACTCACCGTTCCCTAACATTTCCCAGCAACTACT 57
AJ580585   CCAACGGCACTAC---TACCATTACTCACCGTTCCCTAACATTTCCCAGCAACTACT 57
JQ867079   CCAACGGCACTAC---TACCGTTTACCCACCGTTCCCTAACATTTCCCAGCAACTACT 57
X72628     ACAATTTCCGCAAGCAGATGCCACT---CCAGCCGCAACAACAATTTCCGCAAGCAGATGCC 57
JQ867080   TCAATTTCCACAGCAGTGCAC-----AACAACAATTTCCGCAAGCAGATGCC 48
          **   * * * * * * * * * * * * * * * * * * * * * *

JQ867078   CCCTCAGCCACCACCAATCATTTCCCCAGCCCCGCAATCATAACC--TCAGCCACCG 115
X13508     CCCTCAGCCACCACCAATCATTTCCCCAGCCCCGCAATCATAACC--TCAGCCACCG 115
AJ580585   CCCTCAGCCACCACCAATCATTTCCCCAGCCCCGCAATCATAACC--TCAGCCACCG 115
JQ867079   CCCTCAGCCACCACCAATCATTTCCCCAGCCCCGCAATCATAACC--TCAGCCACCG 115
X72628     ACTCCAGCCGCAACAACAACA-----CAATTTCCGCAACAACAACAATTTGGCCAAATA 111
JQ867080   ACTCCAGCCGCAACAACAACA-----CAATTTCCGCAACAACAACAATTTGGCCAAATA 120
          *   ***** * * * * * * * * * * * * * * * * * * * * *

JQ867078   TTA-CAACCTTTTTCCTCAGCCCCCGCAACAAAAATATCCCAGCAACCACAACAACCATT 174
X13508     TTA-CAACCTTTTTCCTCAGCCCCCGCAACAAAAATATCCCAGCAACCACAACAACCATT 174
AJ580585   TTA-CAACCTTTTTCCTCAGCCCCCGCAACAAAAATATCCCAGCAACCACAACAACCATT 174
JQ867079   TTA-CAACCTTTTTCCTCAGCCCCCGCAACAAAAATATCCCAGCAACCACAACAACCATT 174
X72628     TCAACAACCATT-----AA-----CACAACAACCATAATCC---GCA---ACAGCAACCATT 156
JQ867080   TCAACAACCATT-----AA-----CACAACAACCATAATCC---GCA---ACAGCAACCATT 147

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X13508 GCAGTCCGTTCCATCCATGTGCAACTTTAATGTCCCACCTAACTGCTCCACCATCAAAGC 609
 AJ580585 GCAGTCCGTTCCATCCATGTGCAACTTTAATGTCCCACCTAACTGCTCCACCATCAAAGC 609
 JQ867079 GCAGTCCGTTCCATCCATGTGCAACTTTAATGTCCCACCTAACTGCTCCACCATCAAAGC 609

← **Common γ 3_RV**

X72628 TCAGACACTTCCTATGTTATGCAATGTGCATGTCCCACCTTATTGCT-----C 609
 JQ867080 TCAGACACTTCCTATGTTATGCAATGTGCATGTCCCACCTTATTGCT-----C 609
 *** * **** * ***** * ***** * ****

← **Common γ 1_RV**

JQ867078 ACCATTGTTGTTGTTAGTCACCGGTGTTGGAGGACAATGA 649
 X13508 ACCATTGTTGTTGTTAGTCACCGGTGTTGGAGGACAATGA 649
 AJ580585 ACCATTGTTGTTGTTAGTCACCGGTGTTGGAGGACAATA 649
 JQ867079 ACCATTGTTGTTGTTAGTCACCGGTGTTGGAGGACAATGA 649
 X72628 ACCATTGGTAGCATGGCTACCGGCAGTGGTGGCCAATGA 649
 JQ867080 ACCATTGGTAGCATGGCTACCGGCAGTGGTGGCCAATGA 649
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