

```

rb_7618      ATGCCGGTCCCTGCTGGTGTGACTCTCCCCCTTGCGCGCGCAAGATGGAGCGTGCTGAG
rb_74283     ATGCCGGTCCCTGCTGGTGTGACTTTCCCCCTTGCGCGCGCAAGATGGAGCGTGCTGAG
rb_15005     ATGCCGGTCCCTGCTGGTGTGACTTTCCCCCTTGCGCGCGCAAGATGGAGCGTGCTGAG
rb_52876     ATGCCGGTCCCTGCTGGTGTGACTTTCCCCCTTGCGCGCGCAAGATGGAGCGTGCTGAG
*****.***.*****

rb_7618      GGGCTTGCAACGGTTTTTGGCGATCGGAACGGCGAATCCGCCAATGTGTTTCGAGCAGAGC
rb_74283     GGGCTTGCAACGGTTTTTGGCGATCGGAACGGCGAATCCGCCAATGTGTTTCGAGCAGAGC
rb_15005     GGGCTTGCAACGGTTTTTGGCGATCGGAACGGCGAATCCGCCAATGTGTTTCGAGCAGAGC
rb_52876     GGGCTTGCAACGGTTTTTGGCGATCGGAACGGCGAATCCGCCAATGTGTTTCGAGCAGAGC
*****

rb_7618      ACTTACCCTGATTTCTACTTCAACATCACCAACAGCAACCACATGACTGATCTCAAGGAG
rb_74283     ACTTACCCTGATTTCTACTTCAACATCACGAACAGCAACCACATGACTGATCTCAAGGAG
rb_15005     ACTTACCCTGATTTCTACTTCAACATCACCAACAGCAACCACATGACTGATCTCAAGGAG
rb_52876     ACTTACCCTGATTTCTACTTCAACATCACCAACAGCAACCACATGACTGATCTCAAGGAG
*****

rb_7618      AAGTTCCAGCGCATGTGTGATAAATCTGGGATTAAGAAGAGGTATATGTACCTGAATGAG
rb_74283     AAGTTCCAGCGCATGTGTGATAAATCTGGGATTAAGAAGAGGTATATGTACCTGAATGAG
rb_15005     AAGTTCCAGCGCATGTGTGATAAATCTGGGATTAAGAAGAGGTATATGTACCTGAATGAG
rb_52876     AAGTTCCAGCGCATGTGTGATAAATCTGGGATTAAGAAGAGGTATATGTACCTGAATGAG
*****

rb_7618      GAAATCTTGAAGGCCAACCCAAGCATGTGTGCATACTGGGAGAAATCTTTAGATGTGAGG
rb_74283     GAAATCTTGAAGGCCAACCCAAGCATGTGTGCATACTGGGAGAAATCTTTAGATGTGAGG
rb_15005     GAAATCTTGAAGGCCAACCCAAGCATGTGTGCATACTGGGAGAAATCTTTAGATGTGAGG
rb_52876     GAAATCTTGAAGGCCAACCCAAGCATGTGTGCATACTGGGAGAAATCTTTAGATGTGAGG
*****

rb_7618      CAAGATATGGTGGTTGTGGAGGTGCCAAAGCTCGGAAAGGAAGCGGCAGCCAAGGCGATC
rb_74283     CAAGATATGGTGGTTGTGGAGGTGCCAAAGCTCGGAAAGGAAGCGGCAGCCAAGGCGATC
rb_15005     CAAGATATGGTGGTTGTGGAGGTGCCAAAGCTCGGAAAGGAAGCGGCAGCCAAGGCGATC
rb_52876     CAAGATATGGTGGTTGTGGAGGTGCCAAAGCTCGGAAAGGAAGCGGCAGCCAAGGCGATC
*****

rb_7618      AAGGAGTGGGGCAGCCAAAGTCCAAGATCACGCACCTCATCTTCTGCACCACGAGTGGT
rb_74283     AAGGAGTGGGGCAGCCAAAGTCCAAGATCACGCACCTCATCTTCTGCACCACGAGTGGT
rb_15005     AAGGAGTGGGGCAGCCAAAGTCCAAGATCACGCACCTCATCTTCTGCACCACGAGTGGT
rb_52876     AAGGAGTGGGGCAGCCAAAGTCCAAGATCACGCACCTCATCTTCTGCACCACGAGTGGT
*****

rb_7618      GTAGACATGCCGGGTGCGGATTGGGCAATTACGAAGCTGCTGGGGCTGCGCCCAAGTG
rb_74283     GTAGACATGCCGGGTGCGGATTGGGCAATTACGAAGCTGCTGGGGCTGCGCCCAAGTG
rb_15005     GTAGACATGCCGGGTGCGGATTGGGCAATTACGAAGCTGCTGGGGCTGCGCCCAAGTG
rb_52876     GTAGACATGCCGGGTGCGGATTGGGCAATTACGAAGCTGCTGGGGCTGCGCCCAAGTG
*****

rb_7618      AAGAGGCTGATGATGTACAGCAGGGGTGCTTGTCTGGGGCACAGTCAAGGGTTGCA
rb_74283     AAGAGGCTGATGATGTACAGCAGGGGTGCTTGTCTGGGGCACAGTCAAGGGTTGCA
rb_15005     A
rb_52876     AAGAGGCTGATGATGTACAGCAGGGGTGCTTGTCTGGGGCACAGTCAAGGGTTGCA
*

rb_7618      AAAGACTTGGCTGAAACAAACAAGGGAGCCAGAGTATTGGTTGTGTGCAGTGAACTAACC
rb_74283     AAAGACTTGGCTGAAACAAACAAGGGAGCCAGAGTATTGGTTGTGTGCAGTGAACTAACC
rb_15005     AAAGACTTGGCTGAAACAAACAAGGGAGCCAGAGTATTGGTTGTGTGCAGTGAACTAACC
rb_52876     AAAGACTTGGCTGAAACAAACAAGGGAGCCAGAGTATTGGTTGTGTGCAGTGAACTAACC

rb_7618      GCTGTGACATTCCGAGGGCCGAGCGACACACATCTAGACAGTCTTGTGGGCAAGGCTCTG
rb_74283     GCTGTGACATTCCGAGGGCCGAGCGACACACATCTAGACAGTCTTGTGGGCAAGGCTCTG
rb_15005     GCTGTGACATTCCGAGGGCCGAGCGACACGATCTA-----
rb_52876     GCTGTGACATTCCGAGGGCCGAGCGACACGATCTA-----

rb_7618      TTTGGGACGGTGCTCAGCTATCATCTGATAGGCCGATCCATCCCAGAAGTAGAGAGA
rb_74283     TTTGGGACGGTGCTCAGCTATCATCTGATAGGCCGATCCATCCCAGAAGTAGAGAGA
rb_15005     -----
rb_52876     -----

rb_7618      CCTTGGTTTGAGATTCACTATGTGGCATCCAACATCTTGCCGGACAGTGATGGCGCCATT
rb_74283     CCTTGGTTTGAGATTCACTATGTGGCATCCAACATCTTGCCGGACAGTGATGGCGCCATT
rb_15005     -----
rb_52876     -----GAGACTGATGGCGCCATT

rb_7618      GATGGACATCTCCGCGAGGTCGGCCTCACATCCATCTCATGAAGGATGCACCCGAGCGA
rb_74283     GATGGACATCTCCGCGAGGTCGGCCTCACATCCATCTCATGAAGGATGCACCCGAGG-AT
rb_15005     -----
rb_52876     GATGGACATCTCCGCGAGGTCGGCCTCACATCCATCTCATGAAGGATGTACCTGGG-AT

rb_7618      CATCTCCAGAGACATAGGCATGGTGAGCATGCGCTTTGAGGCTTTGGGATGA-----
rb_74283     CATCTCCAAGAACATAGGCATGTGCTAAAGGATGCTTTGAGAAGGCTTTTGCCAATGA
rb_15005     -----AGAAGGCTTTTGCCAATGA
rb_52876     CATCTCCAAGAACATAGGCATGTGCTAAAGGATGCTTTGAGAAGGCTTTTGCCAATGA

rb_7618      -----
rb_74283     GAATGGAGAGCTCCCGAGCTACAATGATGTGTTCTGGATTGCCACCCCTGGTGGTCTG
rb_15005     GAATGGAGAGGTTCCGAGCTACAATGATGTGTTCTGGATTGCCACCCCTGGTGGTCTG
rb_52876     GAATGGAGAGGTTCCGAGCTACAATGATGTGTTCTGGATTGCCACCCCTGGTGGTCTG

rb_7618      -----
rb_74283     TATTCTGGATCAAGTAGAGCAGAAGCTGCAGCTGAAACAGAGAAGATGGCTCCGAGCCG
rb_15005     TATTCTGGATCAAGTAGAGCAGAAGCTGCAGCTGAAACAGAGAAGATGGCTCCGAGCCG
rb_52876     TATTCTGGATCAAGTAGAGCAGAAGCTGCAGCTGAAACAGAGAAGATGGCTCCGAGCCG

rb_7618      -----
rb_74283     -----
rb_15005     ACAGGTATTGTCCGACTACGGCAACATGTCGAGTGCCTGTGTGCTCTTCATCATGGACCA
rb_52876     ACAGGTATTGTCCGACTACGGCAACATGTCGAGTGCCTGTGTGCTCTTCATCATGGACCA

rb_7618      -----
rb_74283     -----ACCAGAATCTAGCCACCTCAGGAGAGGGCCATGAGTGGGG
rb_15005     TATGCGGAAGAAGTCGGTGGAGCAGAAGCTAGCCACCTCAGGAGAGGGCCATGAGTGGGG
rb_52876     TATGCGGAAGAAGTCGGTGGAGCAGAAGCTAGCCACCTCAGGAGAGGGCCATGAGTGGGG

rb_7618      -----
rb_74283     ATTGCTCCTGGGTTTTTGGCCCGGGTCTTACCTGTGAGACAGTTGATTAAAGAAGTGTGCC
rb_15005     ATTGCTCCTGGGTTTTTGGCCCGGGTCTTACCTGTGAGACAGTTGATTAAAGAAGTGTGCC
rb_52876     ATTGCTCCTGGGTTTTTGGCCCGGGTCTTACCTGTGAGACAGTTGATTAAAGAAGTGTGCC

rb_7618      -----
rb_74283     CTTTGTCTACTGCTACTGCATAG
rb_15005     CTTTGTCTACTGCTACTGCATAG
rb_52876     CTTTGTCTACTGCTACTGCATAG

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