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                                                  10        20        30        40        50        60        70        80        90       100       110
                                                   ....|....|....|....|....|....|....|....|....|....|....|....|
                                                   GTGGAATTGTGAGCGGATAACAATTTCACACAGGAAACAGCTATGACATGATTACGAATTCGAGCTCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGCATGCAAGC
H12-PN21959-C405XQARG0-3-M13R-66.ab1(1>762)  ⟶  GTGGAATTGTGAGCGGATAACAATTTCACACAGGAAACAGCTATGACATGATTACGAATTCGAGCTCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGCATGCAAGC
C405XQARG0-3.seq(1>67)                       ⟶                                                 ATGATTACGAATTCGAGCTCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGCATGCAAGC

                                                 120       130       140       150       160       170       180       190       200       210       220
                                                   ....|....|....|....|....|....|....|....|....|....|....|....|
                                                   TTGGCACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAACTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGA
H12-PN21959-C405XQARG0-3-M13R-66.ab1(1>762)  ⟶  TTGGCACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAACTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGA
C405XQARG0-3.seq(1>67)                       ⟶  TTGG

                                                 230       240       250       260       270       280       290       300       310       320       330
                                                   ....|....|....|....|....|....|....|....|....|....|....|....|
                                                   GGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGGCGATAAGCTAGCTTCACGCTGCCGCAAGCACTCAGGGCGCAAGGGCTGCTAAAGGAAG
H12-PN21959-C405XQARG0-3-M13R-66.ab1(1>762)  ⟶  GGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGGCGATAAGCTAGCTTCACGCTGCCGCAAGCACTCAGGGCGCAAGGGCTGCTAAAGGAAG

                                                 340       350       360       370       380       390       400       410       420       430       440
                                                   ....|....|....|....|....|....|....|....|....|....|....|....|
                                                   CGGAACACGTAGAAAGCCAGTCCGCAGAAACGGTGCTGACCCCGGATGAATGTCAGCTACTGGGCTATCTGGACAAGGGAAAACGCAAGCGCAAAGAGAAAGCAGGTAGC
H12-PN21959-C405XQARG0-3-M13R-66.ab1(1>762)  ⟶  CGGAACACGTAGAAAGCCAGTCCGCAGAAACGGTGCTGACCCCGGATGAATGTCAGCTACTGGGCTATCTGGACAAGGGAAAACGCAAGCGCAAAGAGAAAGCAGGTAGC

                                                 450       460       470       480       490       500       510       520       530       540       550
                                                   ....|....|....|....|....|....|....|....|....|....|....|....|
                                                   TTGCAGTGGGCTTACATGGCGATAGCTAGACTGGGCGGTTTTATGGACAGCAAGCGAACCGGAATTGCCAGCTGGGGCGCCCTCTGGTAAGGTTGGGAAGCCCTGCAAAG
H12-PN21959-C405XQARG0-3-M13R-66.ab1(1>762)  ⟶  TTGCAGTGGGCTTACATGGCGATAGCTAGACTGGGCGGTTTTATGGACAGCAAGCGAACCGGAATTGCCAGCTGGGGCGCCCTCTGGTAAGGTTGGGAAGCCCTGCAAAG

                                                 560       570       580       590       600       610       620       630       640       650       660
                                                   ....|....|....|....|....|....|....|....|....|....|....|....|
                                                   TAAACTGGATGGCTTTCTTGCCGCCAAGGATCTGATGGCGCAGGGGATCAAGATCTGATCAAGAGACAGGATGAGGATCGTTTCGCATGATTGAACAAGATGGATTGCAC
H12-PN21959-C405XQARG0-3-M13R-66.ab1(1>762)  ⟶  TAAACTGGATGGCTTTCTTGCCGCCAAGGATCTGATGGCGCAGGGGATCAAGATCTGATCAAGAGACAGGATGAGGATCGTTTCGCATGATTGAACAAGATGGATTGCAC

                                                 670       680       690       700       710       720       730       740       750       760
                                                   ....|....|....|....|....|....|....|....|....|....|....|....|
                                                   GCAGGTTCTCCGGCCGCTTGGGTGGAGAGGCTATTCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAG
H12-PN21959-C405XQARG0-3-M13R-66.ab1(1>762)  ⟶  GCAGGTTCTCCGGCCGCTTGGGTGGAGAGGCTATTCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAG
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