```
Consensus          AGCCCRTCGARGTCATCCCCACCGGRTCGACCGCRCTSGACGTCGCSCTCGGCGTCGGCGGYCTGCCGCGCGGCCGKGTGGTGGAG
1. DEF48_recAF.ab1 AGCCCATCGAAGTCATCCCCACCGGGTCGACCGCACTCGACGTCGCCCTCGGCGTCGGCGGCCTGCCGCGCGGCCGGGTGGTGGAG
2. DEF20_recAF.ab1 AGCCCATCGAAGTCATCCCCACCGGGTCGACCGCACTCGACGTCGCCCTCGGCGTCGGCGGCCTGCCGCGCGGCCGGGTGGTGGAG
3. DEF39_recAF.ab1 AGCCCATCGAGGTCATCCCCACGGGATCGACCGCGCTGGACGTCGCACTCGGCGTCGGCGGTCTGCCGCGCGGCCGTGTGGTGGAG
4. DEF09_recAF.ab1 AGCCCGTGGAGGTCATCCCCACGGGATCGACCGCGCTGGACGTCGCGCTCGGCGTCGGCGGTCTGCCGCGCGGCCGTGTGGTGGAG

Consensus          GTGTACGGRCCGGAGTCCTCCGGTAAGACGACSCTGACSCTGCACGCSGTGGCGAACGCGCAGAAGSYCGGCGGCYMGGTSGCGTT
1. DEF48_recAF.ab1 GTGTACGGACCGGAGTCCTCCGGTAAGACGACCCTGACCCTGCACGCCGTGGCGAACGCGCAGAAGGCCGGCGGCCAGGTCGCGTT
2. DEF20_recAF.ab1 GTGTACGGACCGGAGTCCTCCGGTAAGACGACCCTGACCCTGCACGCCGTGGCGAACGCGCAGAAGGCCGGCGGCCAGGTCGCGTT
3. DEF39_recAF.ab1 GTGTACGGGCCGGAGTCCTCCGGTAAGACGACGCTGACGCTGCACGCGGTGGCGAACGCGCAGAAGCTCGGCGGCTCGGTGGCGTT
4. DEF09_recAF.ab1 GTGTACGGGCCGGAGTCCTCCGGCAAGACGACGCTGACGCTGCACGCGGTGGCGAACGCGCAGAAGCTCGGCGGCTCGGTGGCGTT

Consensus          CRTSGACGCSGAGCACGCSCTSGACCCSGAGTACGCGAAGAAGCTCGGCGTCGACATCGACAACCTSATCCTSTCCCAGCCSGACA
1. DEF48_recAF.ab1 CGTGGACGCGGAGCACGCCCTCGACCCCGAGTACGCGAAGAAGCTCGGCGTCGACATCGACAACCTGATCCTCTCCCAGCCCGACA
2. DEF20_recAF.ab1 CGTGGACGCGGAGCACGCCCTCGACCCCGAGTACGCCAAGAAGCTCGGCGTCGACATCGACAACCTGATCCTCTCCCAGCCCGACA
3. DEF39_recAF.ab1 CATCGACGCCGAGCACGCGCTGGACCCGGAGTACGCGAAGAAGCTCGGCGTCGACATCGACAACCTCATCCTGTCCCAGCCGGACA
4. DEF09_recAF.ab1 CATCGACGCCGAGCACGCGCTGGACCCGGAGTACGCGAAGAAGCTCGGCGTCGACATCGACAACCTCATCCTGTCCCAGCCGGACA

Consensus          ACGGYGAGCAGGCSCTGGAGATCGTSGACATGCTGGTSCGCTCCGGCGCSCTSGACCTSATCGTCATCGACTCCGTSGCCGCSCTS
1. DEF48_recAF.ab1 ACGGCGAGCAGGCCCTGGAGATCGTGGACATGCTGGTCCGCTCCGGCGCCCTCGACCTCATCGTCATCGACTCCGTCGCCGCGCTC
2. DEF20_recAF.ab1 ACGGCGAGCAGGCCCTGGAGATCGTGGACATGCTGGTCCGCTCCGGCGCCCTCGACCTCATCGTCATCGACTCCGTCGCCGCGCTC
3. DEF39_recAF.ab1 ACGGTGAGCAGGCGCTGGAGATCGTCGACATGCTGGTGCGCTCCGGCGCGCTGGACCTGATCGTCATCGACTCCGTGGCGGCCCTG
4. DEF09_recAF.ab1 ACGGTGAGCAGGCGCTGGAGATCGTCGACATGCTGGTGCGCTCCGGCGCGCTGGACCTGATCGTCATCGACTCCGTGGCCGCCCTG

Consensus          GTSCCSCGYGCGGAGATCGAGGGCGAGATGGGCGACWSSCACGTSGGTCTCCAGGCCCGKCTGATGAGCCAGGCSCTSCGSAAGAT
                                                                                                   qstr...
1. DEF48_recAF.ab1 GTCCCGCGCGCGGAGATCGAGGGCGAGATGGGCGACAGCCACGTCGGTCTCCAGGCCCGGCTGATGAGCCAGGCGCTGCGGAAGAT
                                                                                                   qstr...
2. DEF20_recAF.ab1 GTCCCGCGCGCGGAGATCGAGGGCGAGATGGGCGACAGCCACGTCGGTCTCCAGGCCCGGCTGATGAGCCAGGCGCTGCGGAAGAT
                                                                                                   qstr...
3. DEF39_recAF.ab1 GTGCCCCGTGCGGAGATCGAGGGCGAGATGGGCGACTCGCACGTGGGTCTCCAGGCCCGTCTGATGAGCCAGGCCCTCCGCAAGAT
                                                                                                   qstr...
4. DEF09_recAF.ab1 GTGCCCCGTGCGGAGATCGAGGGCGAGATGGGCGACTCGCACGTGGGTCTCCAGGCCCGTCTGATGAGCCAGGCCCTCCGCAAGAT
                                                                                                   qstr...

Consensus          CACCAGTGCGCTCAACCAGTCCAAGACCACCGCGATCTTCATCAACCAGCTCCGCGAGAAGATCGGCGTGATGTTCGGCTCCCCGG
                   qstreptoREcAF                    qstreptoREcAR
1. DEF48_recAF.ab1 CACCAGTGCGCTCAACCAGTCCAAGACCACCGCGATCTTCATCAACCAGCTCCGCGAGAAGATCGGCGTGATGTTCGGCTCCCCGG
                   qstreptoREcAF                    qstreptoREcAR
2. DEF20_recAF.ab1 CACCAGTGCGCTCAACCAGTCCAAGACCACCGCGATCTTCATCAACCAGCTCCGCGAGAAGATCGGCGTGATGTTCGGCTCCCCGG
                   qstreptoREcAF                    qstreptoREcAR
3. DEF39_recAF.ab1 CACCAGTGCGCTCAACCAGTCCAAGACCACCGCGATCTTCATCAACCAGCTCCGCGAGAAGATCGGCGTGATGTTCGGCTCCCCGG
                   qstreptoREcAF                    qstreptoREcAR
4. DEF09_recAF.ab1 CACCAGTGCGCTCAACCAGTCCAAGACCACCGCGATCTTCATCAACCAGCTCCGCGAGAAGATCGGCGTGATGTTCGGCTCCCCGG
                   qstreptoREcAF                    qstreptoREcAR

Consensus          AGACCACSACCGGTGGCCGGGCGCTGAAGTTCTACGCCTCGGTGCGSCTCGACATCCGCCGSATCGAGACSCTCAAGGACGGCACC
1. DEF48_recAF.ab1 AGACCACGACCGGTGGCCGGGCGCTGAAGTTCTACGCCTCGGTGCGGCTCGACATCCGCCGCATCGAGACCCTCAAGGACGGCACC
2. DEF20_recAF.ab1 AGACCACGACCGGTGGCCGGGCGCTGAAGTTCTACGCCTCGGTGCGGCTCGACATCCGCCGCATCGAGACCCTCAAGGACGGCACC
3. DEF39_recAF.ab1 AGACCACCACCGGTGGCCGGGCGCTGAAGTTCTACGCCTCGGTGCGCCTCGACATCCGCCGGATCGAGACGCTCAAGGACGGCACC
4. DEF09_recAF.ab1 AGACCACCACCGGTGGCCGGGCGCTGAAGTTCTACGCCTCGGTGCGCCTCGACATCCGCCGGATCGAGACGCTCAAGGACGGCACC

Consensus          GACGCSGTCGGCAACCGCACCCGCGTCAAGGTCGTCAAGAACAAGGTCGCSCCGCCSTTCAAGCAGGCSGAGTTCGACATCCTCTA
1. DEF48_recAF.ab1 GACGCGGTCGGCAACCGCACCCGCGTCAAGGTCGTCAAGAACAAGGTCGCGCCGCCCTTCAAGCAGGCCGAGTTCGACATCCTCTA
2. DEF20_recAF.ab1 GACGCGGTCGGCAACCGCACCCGCGTCAAGGTCGTCAAGAACAAGGTCGCGCCGCCCTTCAAGCAGGCCGAGTTCGACATCCTCTA
3. DEF39_recAF.ab1 GACGCCGTCGGCAACCGCACCCGCGTCAAGGTCGTCAAGAACAAGGTCGCCCCGCCGTTCAAGCAGGCGGAGTTCGACATCCTCTA
4. DEF09_recAF.ab1 GACGCCGTCGGCAACCGCACCCGCGTCAAGGTCGTCAAGAACAAGGTCGCCCCGCCGTTCAAGCAGGCGGAGTTCGACATCCTCTA

Consensus          CGGCCAGGGCATCAGCCGCGAGGGCGGYCTGATCGACATGGGCGTGGAGMACGGCTTCGTCCGCAAGGCCGGCGCCTGGTACACGT
1. DEF48_recAF.ab1 CGGCCAGGGCATCAGCCGCGAGGGCGGCCTGATCGACATGGGCGTGGAGAACGGCTTCGTCCGCAAGGCCGGCGCCTGGTACACGT
2. DEF20_recAF.ab1 CGGCCAGGGCATCAGCCGCGAGGGCGGCCTGATCGACATGGGCGTGGAGAACGGCTTCGTCCGCAAGGCCGGCGCCTGGTACACGT
3. DEF39_recAF.ab1 CGGCCAGGGCATCAGCCGCGAGGGCGGTCTGATCGACATGGGCGTGGACCACGGCTTCGTCCGCAAGGCCGGCGCCTGGTACACGT
4. DEF09_recAF.ab1 CGGCCAGGGCATCAGCCGTGAGGGCGGTCTGATCGACATGGGCGTGGAGCACGGCTTCGTCCGCAAGGCCGGCGCCTGGTACACGT

Consensus          ACGAGGGCGACCAGCTCGGCCAGG
1. DEF48_recAF.ab1 ACGAGGGCGACCAGCTCGGCCAGG
2. DEF20_recAF.ab1 ACGAGGGCGACCAGCTCGGCCAGG
3. DEF39_recAF.ab1 ACGAGGGCGATCAGCTCGGCCAGG
4. DEF09_recAF.ab1 ACGAGGGCGACCAGCTCGGCCAGG
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