Table S2 The 500 bp upstream regions of the 166 genes with stable expression profiles

Genes	Sequences (5'-3')
SCO0068	GTTCCTGTCCTACGCGCACACCTCGCTCTACGACACCCAGACCGGTCTGGTGCTGATCTACACGGCGATCGCGGTCCCGT TCGCGTTCTTCGTCATGCGCAACTACGCCCTGACGCTGCCGCGGGAGGTCGTGGAGGCCGCCCGCATGGACGGTGCCTC GTGGTGGCGGGTGTTCTGGCAGATCCACGTTCCGCTGACCCGCTCCGCCATGATCGCCGTGTTCGTGTTCCAGTTCGTGG CCGTCTGGAACGACCTGATGTTCGGCATCACCATGGTCACCAGCCGCAACATCCGCCCCGTCATGGCCGCGCTCGCCGAC CTGCAGGGCAACTACTCCAACGTCGGGCCGCCCATCGTCCTGGCCGGTGCCCTCCTGGTGTCGCTGCCGACCGTGGTGC TGTTCTTCTCCGCCCAGCGCTTCTTCGTCAGCAGCCTCAAGATCCACCGCTGAGCCCGCGTGCGCCCGCACCTCCCCCGT CATCGTCGCGAAGGGAACACCC
SCO0069	ACCGCGGCGACGACGGCAGCACCAACGAGACGCTGTGGACCTACAACTCGGGCGCCATGATCGGCACCGCCACCGCGCT CTACCGCGGCACGGGTGACGCCCGGTACCTGGAGAAGGCGGTGGCGGACGCCCGCGGCTCCCTGGCGTACTGGACCGG GGGCACCCGCCTGCACGACCAGCCGGCCGTGTTCAACGCCTTCTACTTCAAGGACCTGCTCGACCTGGACGCCGTCCGCC CGGACTCCGCCTATCTGTCGGCCATGAGCGCGTACGCCGACAACACCTACCGGTCCAACCGGGACGCCTCCAGCGGCCT GTTCCGCTTCCAGCCCTCCAACGGCGGCGACTACGACCCCGCCGCGCCGGCCGCGACCCTCAACCAGTCGGCCATGGTC CAGATCTTCGCCACCCTCGCCGACGCCACCCGCCGGGACCACCGGACTTCCTGACTCGGCGGACCGCGCCGCCGCTCCC CTCGACGCAAAGGACCTTCACGCACC
SCO0119	GCAGAATCCCCTCTCCAGCTCCGGGTCCGACAGTGCCGTCGTGCGCTTCCTCCCGACGTACGGAGCGGTACAGGCCAGC ATGTCCGCCGCCTTCTCCGACGCGTCGGGCGGCCGGGCGCTCCTGACCCAGTGCCTCTGGCTCACCGGCGCGTCGGCG GCGGCATTCCTGGTCTTCCGCCGACGTACCCGGAACGCGCTCGTGCGGCACAGGAAGCCGCCGTTTCCGGCGCCCCGCG GCGCTGGAGGAACCGAGGGCCCAGGCGTTCACCGGCCCCCGGCGGAGTCCGGCCCGGCGCCGGAAAGGGTGGGACCC GCCTGACCGCCCGGCTGCCCCGGGGCCGCTCGGGGGCTCCGCCCATCGCACGGACGGCCATCGACCCCGTGTGCGCCC CCTGTCCCGCCGATACGCCCGTGACCTGGGCAGGCGGTGATCGTTCAGCTGTCGGGCGCTGGATCGGTGCCCGGAACGA CCCGTTCACCACTGCAAGGAGCACCGCCCC
SCO0123	CGGACGGAACACACCCATTGATCCGTCCTGGCCACCCGAACGGAGGATCTCGCTCGACCGTGGGTGCCGCCGGTGCACG CCGCTCGGGCCGGTCCCTCTTTCGGTGGAACTCGTCACGGTGCACCGGGATCACACCCTCGGAGGCCGCGCCCCGGGAC ACGGCCGCGCGCGCCAGGCGTCGGAGGCCCGCCGCGGCACGGGAAAACGAGGCCCCGAGGTGCGGAGAGCGGGTGGG CGGCGACCGGCGCGGAACCGTCCGGTACCCGCCCGCGGAGCCGGGACGGGCCACCGCAGCCGGCCGGCGCAGCCCCG GTCGCCGGTCATCCTGGTGAGCCGCCGGTCCCGGCAGCGCGACCGGCTCGGGTGGGTGGGGCGCCCGGCCATTGGATT CCCCGCCCTTCGCGTGCTGCCGTACCTCTGTCCCACCACCGGTGGTCATCGCGACCGCCTCGGCCCGAACGGGAGCCCG CACCCGCATGCCCGATTCCGAGCAGTCCACC

SCO0265

ACTGGATCCCATCGGTCTGTGGTCCGCCTTCAAGCGCGCCCACGAGGTGGTCCGAACCCGCGTGATAGCCGACGCCGCG
GAGGCGGCGGGCCTCTCCGAGCCGGACCTGACCATCCTCGCCGACCTCAACAAGGCGGGAGGCGCCTTGCGCCAGAGC
GAACTCGCCGCGTCGCTCGGCTGGGACCGCACCCGCGTCTCCCACCAGCTCACCCGCATGAGCAAGCGCGAACTCGTCA
CCCGGCGGCGCGCCAACGGCGTGATCGTCGTTCTCACGGACGCCGGGCATCAGGCCATCACCGCCGTGTACCCCGGCCT
GGACGCCGCGGTACGCCGCCACTTCACCGACAAGCTCTCCACGCAGGAGGTCGAAACACTGGCCGCCGTCCTTGACCGG
CTGTAACCGTCCCGGCCCCGCCACCACACGGTGTGCCGGCGCGACGGGCGAGAGTCACCACGGAGTGTCACGCTGGATC
ACACAGGAACTGCGAAAGGGAACGTCC

SCO0267

GGCCGCGCGCCGCGTCGACGAAGGGCCAGTCGGCGGCGGGGACGATCCAGTGCGCTGCCGGGTCGGGGGAGGCGACG
AGTTCGCGGGTGGCGTGGGTGACGGGAGCGGTCGGCACGAACAGTACGAGGTGCCCCTCCACCTCGGCGACGTCGTCC
CACCGGTGCACCGCGCCGGGGGGGAATCCACACCGCGGACCGGTCCTGGAGGGGGTGGAGGCGGAAGTCGACCGTGACG
GAGCCGCGTCCGGCGTCGACGACGGCAAGGACGTGGAAGTCGGCGCGCTGCGTGCCGCCGTCGTTCAGCTCGCGGAGG
CGGCCGAACGTCATCGTCTCGACCGAGGCGGCGCCGCGGCCGGGGGGGCTGGTAGGTCATCTGCCGGATCGCGCTCACG
TGTCCAGTTTTCACCATCGCGCGACCGCTCACGCCGATGCCCGGTCCGGGTGCGAGGGGTTCGATGGACACACGGGGCA
GCCGCCCCGGGCATCGAACGAGAAGAGCCATC

SCO0285

AGAGCGTGGGCGAGCGCGGCGCCGGCGACGGCAACCCGATCACCATCGGCGGCACGACCTTCGCCAAGGGACTCGGCG
TCCACGCGTCCAGCAGCGTCGAGTACTACCTCGGCGGCACGTGCGGCAAGGTGACCGCGCAGGTCGGCGTCGACGACGA
GTCGGGCGACAAGGGCACCGTGGCCTTCGAGGTCTGGGCCGACGAGACCCGGGCCGCGTCGACGGGCACGCTGACCAA
CGCCGATCCCGCCCGCGCGGTCTCCGCCGACGTCTCCGGCGCGGACATCGTCCGACTGGTGGTCACGGACGCCGGAGA
CGGCAGCGGATACGACCACGCGGACTGGGCGGACCTGCGGGTCACCTGCACCTGAGTCACCTGGCGCGCCGCTCCGGT
CGCCCTCGCCCCGAGCCGGAAGTCGCACGGTCGGACCGTTCCGGTTGGTGCCACTCAGCGGTCTTCCGTGTCAGGTGGG
AGAGGGCTCCGGGCGAATGGGGCCCGAGCA

SCO0295

CCGCCCGCCGGCCCTGCAGGCCGCTGCTCGACAGCGCGACCGCCAGGTGCAGTACCGCCGGACCGTCGGGCCCGGTGA
TCTCGCGGGCCACTTGGGCCGCGTACGTACGCAGGTCGCCGGCGAGGCTCCCGGTGTCGGGCATCGGGGACCGCGCGT
TGAGGCGGGTGAGCGCCACGTCGGTGAGCAGGGTCTCGAGGCTGCCCCACCGGCGGTAGATGCTGCTGTCGGCCACGC
CCGCGCGGTCCGCGACGTCGCCGACGGTGAACCTGCCGTAGCCGCGCTCACTGATCAGATCGGTGACGGCCTGGTGTAC
CTGCGCTCCGACACGGGCACTGCGCCCGCCGGGCCGCCGGGCTCGCTGTTGCTCGTTCATGCCCCCACCTTAACGCAGT
CAGTACTTGCGTTTGCGGGGGAGCCTCCCTATAGTCTGCTAACGCAGTCACAGACTGCTTTAGGAGCGCTCGGATGGCCG
GGCGCAGCCAACGACGGAGGGGGATCCC

SCO0301 TGGATGCCGGGGTAACGGTTCCAGTACCAGGTGCCTCCGAAGTCGCCGCCCTTCTCGACGACGCGGACGCGCGCGACCC
CCTGCTGACGCAGCCGCGCCCCCGCGAGGACGCCGCCGAATCCGCCGCCGACGACCGCGACGTCCACCCGGTCGCGCA
CCGGTTCGCGCACGTCCGACTCCCCCGCCCAGGGGTCGGCGGCGTAGAAGCCGAACTCGGCGTCCGCGCCGAGGTACT
GCCGGGTGCCGTCGGGGCGTACGCGTCGCTCCCGCTCGCGCCGGTACCGCTCCCTGAGTCCGGCGAGCGCCTCGGGTG
TCAGCTCCTGTGCATGTGCCATGTGGGGGACCGTGTTCCTTCCGCTTCGCCGTCAGGAAGCCACTCGTCCGTGAATCGGA
CTGGAAACAACGGGACTTGAGCAGCCATGCACTACGGTAACAAGAACCGGACAAGGTTGTCCGGTTGGCTGCGGGTTGCT
TCCGCGTACTTTCGGACAGGAAGAGTG

SCO0304 CGCGCTGGAGCTGTTTCGCGAGTGGCGCGTTCTTGCTCTGGCTGTACGAGATGAAGGCGTCGCGCTGCTTCGCACCGAC
CGGCTCCACCGCTCGCGCCTCGGCCTCTTCCACGGCATCGCTCATGGCGTCCCCCGTGCCCCCTCCGCATGTACCTGTGG
CCCCCGACGTGCGGCACCAACTCCACTGCCTATCATGCCCGTTGTGCCCCACGGGCTCACCCGCACCACCGCGCCCCGA
CCACGACCACGACCGCGGCCGCGCCGACGGTCGCCGACCGCCCCGGGAACGCTGACCACCCCGCCCACCGCCCCTCTC
TCGGGACGACGAGCAGGCCACATCGTCCGCCGGAACGGCTTCACGCCCTTCGCCGTCTCCCTCGCCCACCGACCCGCAT
GCGGCGGGTGCGGCGTTGTCCGGGCCGGGCAGACGGTTTCGCCGATGAGTTCAGTCTCCTCGAACGGTCTCACCCAGCG
ACCCGACCGTTCCCGACAGGAGTGCC

SCO0309 CGGGCGGGCGCTGCGGGAGTTCACCGAACTCATCCGCTCGCATGCCGAGATGGCCTTCCGGGACCGGGCGCGGCAACT
CGGCGTGGAGCCCAGGATCCCGCTCGGCATCGTCGCCCGCGCGTGGACCGGAGAACTCATCTCGGTGCTGGGCTGGTG
GGTCGAGAACGACACGGGTTACACCGCCGAGCAGATCACCGCCCACCTGCGGGATCTCTCCGTCTACGGCAGGGTCTGG
GCCACCGGGCTGACCCCGGTGGACGCACCCGGAGCCGTCGACCTCCCCGGGGGGCGGGGCGCCGAACCCGTGTAGTCA
CGCCCCGGCGGCCGACCCCTTCCTCCGTTTCCGAACAGCGTGTACGGTATCGATCTCGCGATGAGCTGATTCCGAACGAG
CGGAGCGACAGGTGACCGGCACGGACTCACTGGCCTACCTCGTCTGGGCACGAGGATTCACGGACTCGGCCTGGGCACG
ACGACACACGACGGCAGGCCGGGAGATC

SCO0322 CGCAGGGATTCGCTGCGGCCGGACCGGCGCTCAGGGTGATGGCGCCGGCGGAGGCGAGTGCCAGGGCGAGGGAGGCG
AGGGCGCTGGTCACGATACGACGAAGGGGCAAGGGGAGCTCCAAACGGTGGGGGATCGCCAGGCGGGACTGCCGCTGT
CTGCCGATCCGTTGTCGATGCGACGCCCAGACTCACAGCATCGGCGCGGGCGCTCTGAGCAATGGCGGCGCCGTTCACC
CGGCGTAACGATTCACTGCTGCGCCGATCAGTTGATCTCCACCGGTTCACGGTGCACCGCGCTCGGGGGCGCACCGACG
AACAAGGCGAGACGTATCGTCTTGCCAATGGGTGCGGCGTGGCGTACCGTCCTTGGCATGGGTTCCCTGTGAGATCACCG
GCGCCGACGGCGTAGAGCACCGCTCCGCCGTCGCCGCGCCTCGCCGTGCCGTCCACCCACCCCGATCCGGCCCGGGCC
GATCCCGTGCGGCCAGGAGGGACCCGATC

SCO0329

CAAAGATCCACCTCGCCTGCGACGGTGAAGGCCGCCCCCTGGCCTTCACCCTCACCGCCGGCAACGTCAACGACTGCACC
CAGTTCGAGCAGGTCATGGCCCGCATCCGCATTCAGCGGTGCGGACCCGGCAGACCCAGAACCAGGCCCGAGCGGGTCG
CGGCGGACAAGGGCTACTCGTCCACGAAGATCCGCACCTACCTGCGACGTCGCGGCATCAAGGCGGCGATTCCCGAGCG
CATCGACCAGATCAACGGCCGCATCCGCAGGGGCGAGAGCCTCTGCCGACTCGACCGGGCGGCCTACCGGCGACGCAAC
GTCGTCGAGCGCTGCTTCAACAAGCTCAAGCACAACAAAGCCCTGGCCACCCGCTACGACAAACGCGCCCGTCACTACCA
GGCCCTGGTCACCCTGGCCTGCCTCAAACTCTGGCTACCCTGACTTTGCGGACACGACCTAGAGACCGCCACCGGTACGG
GCCCGGACGGAGGAGGCGACACG

SCO0341

TGGACAGCGGCGACATGGGCGCCTTCTACACCTACGGCGTCAACAACGTCGAGCCGTACCCGATGGACAACCACGTGCGC
CAGATGGTCGTCGGCGACGTGATCCCGGACGAGTCGATGCCCGACAGCGGCACCCGGGGCATTCACATGGACGCCGGCG
GCTGCGGCTTCACCTTCGAGGACATCGAGGTGGGCAGGACCACCGACCAGTCGTACCAGAGCTACCAGTGCAACGACGT
GAAGAACACCAACTGGGAGGACGGGTACGACGCCTCCAGGATGGAGTACGACAAGATCGGCGTCACCGCCGGCTTCCCC
TACCCGCTGCCCGACGGGGACACCCAGTGAGCGGTCGCTGACCGGTCGCCCCCCGGCGAACACCCCCGGGCAGCGTGC
CGCACGAGCCGCTGCCCGGGGTGCGGTGGGCGCGGGCTCCCGGACCCGCCCGCGCCCGGCACAGAGCATTCGCACCG
CCCTCGACACATGCCTGGAGGCTTTGCC

SCO0371

GGGCCCCACCCACGGCGCCCTCCTGGAGCTGGGTCGGGTCAGCGACACCTTCCGGGTGAGCGTCAACGGCCGTGACGC
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GGTCGCGACGCCCCTCGTCAACCGGCTGAGGGTGAGCCGCCCGGAGGTCTTCGGAGGGCTCGCCCGCCAGGAGTACGG
GCTGGTGGGACCGGTGCGACTGGTTCCGTACGCGCAGAAGACGGTCTGACTCCACTCGAATTGAACGATTCAAAACAGCG
CGGACGGTGCCGAGGCCCGTCCGCGCCGGGTCATGCCCGTTCCGCGCCCGGTGACTCGCGGTTCGGAGGGACTTATGG
CGCGTCAGAAGGTTCTTGTGGGAACCCTTGACGCTCCTGGTGACGCCACTTAGCGTCTCCGGAGAATCGAGTAAAACGATT
CAATCGAAGGGAGCTGAGCCCCGCACC

SCO0373

GGCGAGACCGGTGAGCACCTGGCAGCCGAGCAGCAGCTGCACGGCCCGCCGGTCGGTCCGCCACGACAGCCGTGCGAT
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CTGTAGGTGATCTCCGCCGGAGGCGGTGGAGGCGGTGGAGGCGGTGGAGGAGGTGGAGGCGTGGGTTTCCGCGGTCCG
TTCGCGGCGGTCGAGGTCAATGGATCCCCCTTGACGGTCGTTGAGCGTGGTCGTGAAGCTCAACGACCGGACCGAGGTAT
CGAACACATGTGTTTCGGTCGCGGTCAGGGCCCCGAACCACGGCGCGTGTCGTTTCGTGGCGGATGCACGGACCCGTGC
GGGACAACAGGGGTGCGGAGCGGGTAGGTTGGCCGAATCGCCGACAACCGCCCGCCCGGCGGTGGCCGGACGCCGGG
AACGATGCGGCGGTCGAACCGCCAGGCCG

SCO0444 TACAACGGCGGACGCGACGAGTTCGGCCGGCAGGTCGCCAACCCGGCCGGCATCGACCTGGCCGACGGCACCTTCTACA
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GACCTGGGGCACCGACGTGAGCGTGCGGCAGCGGGCGACGACCGACTCCACCCGCGTGGCGAGCCTGCCCGGGCCCAC
GACCGTACGGGTGCGGTGCCAGGTCCACGGCCAGCTCGTGGACTACGACGGCTACAGCAACGACGCCTGGTCGTACCTG
CCCGACTACGGTGGCTACGTCTCGAACATCTTCATCGACGTGGCCGACTCCTGGCTCCCGGGCGTGCCCACCTGCTGACC
GTCGGGCAGCGCGGACCCCGACGCCGCCACGTGCGGCGTCGACTCGTCCACCAGGGCCCGGGGGCCGTGCGCGGAAG
AGGGACCGCTGCCACGCACAATGGGCGC

SCO0453 ACCGACGAGCAGGTCGGGGACTTCCGGGTGGTGCCCTGCGCGGTGTGCGGCGGCGTCCTCAAACCGGACGTGGTGTTCT
TCGGCGAGAACGTACCGCCGCGCCGCGTCGAGCACTGCCGCGAGCTGGTGCGCGGTGCGTCCTCGCTGCTGGTCCTCG
GCTCCTCGCTGACGGTGATGTCCGGGCTCCGCTTCGTCCGCCAGGCGGCCGAGGCGGGCAAGCCGGTCCTGATCGTCAA
CCGCGACGCCACCCGCGGCGACCGCCTGGCCGTCACCAGGGTCGCGCTCCCGCTGGGACCGGCCCTGACCACCGTGGC
GGACCGGCTCGGCCTCCGTGTGGGGGACGCGGCGACGGCCTGACCAGGCAGCCCGCGTCGCGCACGGGACCGGAAATC
TCCCCGTGCCACCCCCTTGACCGTGGTCCCGCCACTCCATACAGTCCTCGCACCTCACGAGGTACATCGATTAACCAATCG
TTAACCGCTTGGTTGGAGACCACCCCT

SCO0468 CCTCGGCGTACGCGGTACTCTGCGCGCCCGCGTCGGCGGGATGCGTGGTGGCCTCCGCGAGGGCCAGCGCGGCGCGTT
CCCTGGGCGAGAACAGCTCGGTGTCGCGCCAGGCCGGCAGCACGCCGAGCCGCTGGGTGGTCTCGCCGCCGCGCAGCG
CGGCCCTGGTGTGCGCGTTGAGGCAGTAGGCACAGGCGTTGAGCTGGGAGACGCGGATGTTGACCAGTTCCACGAGGAT
CCGGTCGAGCCCGGCCGCCTCGGCGACGCCCCGGACCGCCTCCGCCGTGGCACGCAGTGCCGCGTAGGCCTCCGGGCT
CTGCTTGTCGACGAACACACGTCGTTCGCCGGTGCTGCCGGTGCTACCAGGGGCGCCTGCGTCGGCGCGTACAGGCGTC
TGTGTCATGTGGGGTGTCCTCCGTCGCGCGATACCGTTTCTCACGTCCTATCATCGAACCATAGAAGTTGAAACTGAAACTT
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SCO0481 CCTCTTCGCAGCGGAACACTTCCTCGGCGGGATCTCCGGCTACGAGGCCGCGGAGACCACCGACGAGAACCCCGCCGCC
CACGTCGCCGTGGTCCGACGGGTGCCCCTGGCCCACCTCCGCCACACCCTCGGCGTCGACAGCACCGACTGGACGGCG
GCGCGCAGGACCCTGGCCGGAACGGCCCATCCCCTCGGCCGACTCGAAGCCGAGTGAGCCCACTCCGCGAGACAACCCC
CGCAACCCCGCGCGACGGACACCGCCGTTGACACACTCTTGACACGGTCACGTCGACCGCTTGTATGGTCTAGTCCAACA
GAACTCGCCGCTCCGTTTACGGAGTTGAGCCCTGCCGGGGGTCCCACGCCCCGGCGGGGACGGTGAGTGCGCGTCACCT
TCGCGCCTCCTGGCCCCACCCACGAGAGGCCGTACTCGGCGTGCGCGCGGTCCCCCCACACACGGCCGCGCGTGCCCT
GGGACGGCCGGATGTGAAGGAGTTCCC

SCO0483 GCTGCGTCCGGACGACACCGACGGCATCCGGGCCCGGCTCCTCGCCGAGTACGCCGGCTGGTCACCCCGGATACTCCG
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SCO0511 CCTCGAAGCAGCGCCCCGTGACGCCCTCCACCAGTGGGGACGCGGCCGGCAGCACGGAGGTCGCGGCGTCCTGGAGGG
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CCACGGCGAACAGGACGTCGGCGGTCGTGGACTGGGCGCAGGCGGCCCAGCGGTCGGAGCCTGCCGCCCGCGGCTGC
CTTCACACGGGTCACCGGCACCTCTTCGCGCGCGTACCGCCACCGGCACCGTACGGGCTGACCGAACTCTTTTCTGGACT
TGCCAGTCCATTTTATTCGCCGCACAGTGGCATCCGCGCCCCGGCCGTCGGCCGGGGACGACGGAGAAGCACACGGCTG
AGACGGCAGGCGAGGAGCAGGACATGTCG

SCO0541 GACGTTCCTGGTGATGAAGAAGCTCGGCCTCATCGACACCCTGGGCGCGCTGATCGTGCCGTCGCTGGTCACGCCGTTCG
CGGTGTTCCTGCTGCGGCAGTTCTTCCTCTCGCTGCCCAGGGAGCTGGAGGAGGCCGCCTGGATCGACGGCTGCTCCCG
GCTGCGGGTGCTGTGGCGGATCGTGCTGCCGCTGTCCCGTCCGGCGCTGGCCACGGTGGCCGTGCTGACCTTCCTGACC
ACGTGGAACGACCTGACCTGGCCGCTGATCGCCATCAACCACGACACGCAGTACACGCTGCAACTGGGCCTGACGACGTT
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CTCGGCGCGCAGAAGACCTTCATCCAGTCGATCACCTCCAGCGGACTCAAGGGCTGACCACCCGCCCTCCGTCCGCCGCC
ACCCGCAACGGAAAGAACCCCGC

SCO0554 CTGGGCCCGTGAGGCACCGGTCAAGACCCAGTCCCGGATCGACACCCCGAGGCCCTTCGCCCGGCCGAAGGCGGGCAC
CGTGATGGTCGCCGGAGTCGCCTGGGCCCAGCACCGCGGCATCGACAAGGTGGAGGTCCGCGTCGACGACGGTCCCTG
GGAGGAGGCCGTCCTGGCCGCCGAGGACTCGCGCGACACCTGGCGACAGTGGTCGTACGCCTGGCGTGCCACCAAGGG
CGGCCACACCCTCACCGTGCGGGCCACCGACCGGACCGGCGAGGTGCAGACGGACAAGCGCACCCGCACCGTGCCCGA
CGGCGCCAGTGGACGGCACTCGGTGGTGGTGACCGTGGACTGACGCCCCACCGGGCGGCAAGCGTTTTCTGTCCACTGT
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CATCCGCACTACTCAGCCCTGGAGTCGCC

SCO0562 TCGTCCGAGGCGGTCAGACAGGGCGCGTCGCCGACGGCGCAGTCGACGTCGGCGAGGGCGCCGCAGGACCGGCACAG
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TGCCGCGGTGAGGGCGTGCAGGGCGTCGTACACGGCCTGGAGGGAGACGTGTCCCACGCGTCGGCGCACCCCGGAGGT
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GACACGAACGGCTCAAGGAAACGAACGACTCCAGCGTGGTAAACAACGTGCGTGGCGGGCACTGGCAGGTGATGCCGCC
CCGTACGGCACGACGACAGGAATGAGTGGCCG

SCO0594 GTAGGTCCAGGCCTGGCCGGGAATGGTGTAGCCGATGTCCGCGAGGCCGCCGCCGATCTCGCTGATGACGTGGTGGGCA
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GGCGGGCCTGACGCTACCGTCGGCCGT

SCO0604 CAGATGGAGGCGATCCGGGTGCCGTTCCCGGCCGCCGTGCGCAGCGCCTCCCGGACGGCCGGGGAGAGCGGCTCGGC
GGCGGCCGTACCGGGCACGATGACGGTGTCCGCGTCCCGCAGTCCGTTCAGCCCCCAGGGGGCCCGCAGTGTGAACGC
GCCGGCGTCGATCTCGGGGTGCTCGGCGCACACCCGGATCCGGTAGCCGGGACGGCCGTCGGGCAGCCGGGTACGGGT
GAAGACCTCGATCGGGGTGGACAGGTCGAACGGGATCACCCGGTCCAGCGCGAGAACGGCGACGGTGTGCATGGCCGG
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SCO0614 ACGGAGACCAGGCGGCTGTTGCCGTCCCCGCAGGCGAGCACGTACGCCTCGGGCCCGATCTGCGGCTGCCCGGAGCAG
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GGGCGCCCCTCACGTGGAGGACCGCGGT

SCO0621 GCGTCTTCGGTGCCGTGCTGCTCGCCGTGGCCGTGGCGATGGGCGTGTCGGCGGTACTGTGACCCGCCGACCCGCCGA
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SCO0647 GAACCTGATCCTGGACGCGCTGACGACCGAGCTGGACGCCGCGCTGCCGGTCCCGGACACCGGGCGGGTCCGGGACGA
CCTGCTGGCGTTCTTCTCCGCCCTGGCCCGCCTGCTGGGCACCCCGCAGGGCCGGGCGCTGCTGCGGCTGAGCGTCGA
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SCO0675 CTCTGCGCGTGGTCGACGATCCGGTCGGCGGAGGTGAAGGTGAAGCTGCCGCGGCTGGGCTCGGTGGCGTCCCACTTCA
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CCGTTCCTTGAATCGGTGTGCGCAGGCCGTTCGGAAGGGCGGAAGCCGCCGGACTTCACCCGGGAAGGTCGAAAGTTTC
GGTGCGATTTCCGAATGTCGCGGAGGAGATTACGGACTCCGGTCCGCCGGGTCAACGCCCCGTCACCGCCGGATCAACG
CCCCGTCACCGCCGGGTCACGCTCACCC

SCO0677 CAGGTGGCCGAGTGGGACGTCCCGAACGATCCGGCGGCGGTCGCCGAGATCCGTTCCCAGGTCACCCGGCGGCTGGCC
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GCGAGACCGTCCACGTCCGGGTGGTGCGCGACCGCAGCCTGATCTGCGAGGTGTTCGACAGCAGCAGCACCTCCCCGCA
CCTGCGCTACGCGGCGATGACGGACGAGGGCGGGCGCGGACTGTTCCTGGTCGCGCAGCTCGCCGAGCGCTGGGGCAC
CCGCTACACACCGGCCGGCAAGGTCATCTGGGCGGAGCAGCCGGTGCCCTGACGGACGCGGCCCCGGTCCCCCGCTCC
GTACCAGTTCGTGCACGACGGGTGCCCGGCACGCCCCTCTTCTGGTAGGAAACTTTCCTATCAGTGCCCGGCACTCCCCT
CCCCCACTCCCCCACACCTGGAGATTCC

SCO0686 GACGCCGAGCGCCTCGGACGTCGTCTCGTGCGTGGTCCAGGTGGTCGTCACCCGGGTCATCCGAGCACCAGCCGGTCCG
CCATCTCGGCCAGCCGGATGCGGGCCAGGGCGAGGTTCCCGTCGTTGCGGTCCAGCCACAGATGGAGGAAGACGGTGCT
GTCGAACGGGGTGCTGACGAACCTGAGCAGATGGTAGGCGTCGCCGGTGGTGGTGATCAGGTCCTCCACCGGGGGTTCC
TTGCCGGGCTCCACGGTGCCGCCCGCCGTACCGGCCGCCGCCAGGGAGCCGCTCTCCGCGACGTGCCGGCCCAGCTCG
GCCGTCTCGGCGGCCGTCGCCTCCCAGTCGCCGCCCGGCGCCTCACCGACGGCGCCGAGAGCGAGCCCGCTGATCCAG
TCGACCAGAGACGCTCCGCGCGCGCCTGGCAGTCGCATGGCTTCCAGCAGACTCTCGTCGATTCCGGGCACGCCGGATC
CCCTCCCCTGCACGGCTGTACCGCGAAC

SCO0723 GCGCAGTACGTCCCGGGTGTTGGCGCTGGAGGAGACGATCGCGGTGGCGAGGCCCGCGGCGCGGACCGCGTCGATGTA
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SCO0763 CACGGTCAGCACCAGGGCCGAGGGGGCGTAGAGCGACGCGGGGGCGGTGGCCGGGGAGGCGAGGGAGGCCCCGGCG
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SCO0791

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SCO0828

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SCO0829

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SCO0900

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SCO0916

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SCO0945

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SCO0964

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SCO1171

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SCO1446

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SCO1602

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SCO1609

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SCO1694

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SCO1990 GGCGACCGGAGCACCTACGCGCTTGCGGATCAGCCGCTTCACGACGACGACCCGTTCCCGGCCCTCCTGTCGCAGGCGC
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SCO2190

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SCO2255

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SCO2264

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TCACCGTCCAGCCATCGGCCGCGCCCCCGACGACCAACCGCCCCGGCCGCCCGGCGCCCTCCGTACGGACCGCGCCCG
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GTCCGTCGCCGCCGGGAAAACCGGTTGCCCGTGCTCGTCCCGCCGCCGGACGATGACCCCTCGTGACCGACACCTCCTC
CGCCGACGCTCCCGTCGGCAAGGGCGCCGAC

SCO2376

GGTCCCCGGTCTCCCTCTTCTGCCACAGCTACGGCTCGGTGGTGTGCGGCCTCGCCGCCGACATGCTCCCCTCGCGGGT
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GGCGATGCGGGACGCCGACGACTGGATCCAGGACGTGCCGTACCTGGAGGTCGGCGGCCTCGGGCACGGCGCCGATCC
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GGACAGCCTGCGGAACTTCGCGGGGATCGGTGTTGGCGCATACCGCACGGTCGCCTGCGCCGGCGAAGACGACACATGC
CGGGCGGGTTTGTCCGCGGCGACGGCGGCCGGACGCGCGTAGAGGCGCAGAAACTCCGGTTTGCACGGGGAGGGGAC
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SCO2385 GGTCGCGAAGGCGATCTCCCGGGCGTACACGAGCAGCGCCTCGCGCAGCACCGACTCGTCGCCGGGAGCCGCCACCTC
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CGCGCGGGGCGGTCCCGAAGACGTCGGTGGAGATGGCCTGGGGCGCGTCCGGCTGCCTAAACCACTCGGTGAACGCGG
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SCO2409 CAGCGAGATCAAGGGCCAGGTGGCCAAGGCCGTCGACCGCCTCTTCTCCTACGACCACGCCGACCCCGGCGCCCTCGAC
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GACGAGCAGAAGGCGGTGATCACCACGACGGTCACCGAGAGCGCCGTCGAACGCCTCGACGGCGACCGGGCCCGGGTC
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GCGGCCGCGCAGGACGAGGGCGTGTACGCGGCGGCCATGCTCGCCGTCGACGTCGTGCACCGCGACGGACGCTGGCTG
GTCTCCGCCCTCGACACCTTCGGCCGCTGAGCCGCACGACCGACCGACCGCCCTGGTGGGCCACCTCCCCGGCCCCGCA
TCTCCGACGGATCCGACAGGAGTGACGACC

SCO2410 CTGGGCCGGGCAGGACTGGTACCGGGCGGCCCACGACGAGCAGGCCGCGTACGCCGCACAGCGGGACGCGGCACTCTC
CGCCGGCGAGCAGGCCGTGCAGAACCTCAACACGCTCGACCACCGTGAGCTGAAGCGCGGCCTGGACCTGTGGGAGTCG
TCCACCACCGGCGAACTGCACGAACAACTCGCCTCCGGGCGGGAGGAGTTCACCGCTCAGATGAAGGAGGCGAAGACGG
TCAGCACGGCCCGGGTGCTGTCCGGCGCCGTCACCGAACTCGACGACCGCGCCGGACGCGCCCGGGTGCTGGTCGCCC
TGCGCGTCACCGTCGAGGCGGCCGACGGAGCGAAGAGCGACAAGGACAGCCGGATGCTCGGCGAACTCACCCGGACCG
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SCO2441 CGCACCGCGTGCGTGGAGTCGACCTTGGCGATGTAGATGACGTCGGTGTCCTCCAGGATCGCCACGTGCACCGTCTCGTC
GCAGGTCTCGGCGACGGTCCGGGCGACCTGTTGGCCCTCCGCGGCGAGGTCGAGGTACTCGGCGTAGCGGGCGCCGAG
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SCO2468 CGCGCGCACGGCGGCGGCATCGTCGTCGACGACCACCTGCGCACCTCCGACCCCGACATCTTCGCGGCCGGCGACGTG
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CCGCCCGCGCGATGCTCGGCAGGGGCCTCGCCCACGACCGCGTGCCCTACTTCTTCACCGACCAGTACGACCTGGGCAT
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SCO2536 CCGGATACGGCATCCACGTGTCGATCAGGCGCCGCAGCCCCTCGCACATGTCCCGCTTCGACGGCTCCACCTCGGCGGC
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CAGCACCTGCGGGGAGACGGAGATGTCGCGGCCCTGCTCCAGCCACTGGTACCAGGACGCGCCCACCCCGGCGAGCAC
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SCO2551 TCGCAGTTGCCCAGCCCCTTCACCCGGAACCACTCCTTGCCGTCCACCTTCGCGGTCAGGTTCCCGCGCACGCAGGCGCC
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CGCGACGAGCCCGCCGACGGCGACGGCCGAGCCGACGACCACCGGAGCCATGCGCCGAATCCGCCTCAATGCCCCCAT
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SCO2564 AGTACCTCGGACTCGGCAACGGCATGGAGGGCGAGACGCGGGCGGCCTGCCGCGCCACCACCGAGCTGCACCGCGACG
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SCO2602

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CGCGAGCCGAACGCCCGCCGCTAGCGGGACATCCTGGTCACCGCGGTGCAAGCGGCCGCGCACGAGGCAGCAGACATG
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CGACGCGCGCGACTGGGGAGCGGGGT

SCO2728

GGCAGACGCTGTTCGCGCTGCTCACGGGCCGGGACCGGGGACGGTCGGGTCGCGGTCTCGGCCATGACTCCATCCCAG
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SCO2835

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SCO2854

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SCO2923

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SCO2938

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SCO3168

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SCO3183

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SCO3256

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CAAGACAGCCCCCGCCACCGCCTGACTCCTCCCCCTCCCACGGTCGGCGCGACCGTCATTCGCGCCAGGTCCCTACCCC
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SCO3284

GTCCCCCTCGACCGGACGCCAGCCGGGGCGGCGCAGCACGAGCAGCGGGACCCCGGCGGTGGCGGCGGCATGTGCCG
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SCO3292

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SCO3308

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GCGGAGGCGGTGGAGTCGGGTGCCGGGGAGCCCGTGAGTTCGTCGCCCTCGCAGGCCGTGAGGGAGAGCGCGGCCAG
CGCGACCGTGGTGGCGGCGAACAGGCGGGTACGGGTGATGCGGCGTGCGGACATGGAAGTTCTCCTTCGTAAGTGGGG
AGTTGAGGCGAGCCGGTCGACCGTTCTCCGGGAGCGGCTGCTTTGATGACCACAGCTTGCGGCCGGGTTCGTCCCAGCC
GCCAGCGGTGGGCGATCATGCGGGACAATGGGACGCCAGGAACGCCCTGACCTGCGGGAACGACGTCCCTCTGGGATGC
GGTACGGGGATGCGAGGAGAGGGAGGAACG

SCO3314 CACCGTCTCGAAGCCGCGGTCGGTGACCAGCGTGGTGCACACCTTCCGCAGGAGCGTGTACAGGCCGTGTCCCGGGTCG
GGGTCGGCCAGGGCCTCGTCGAACGCGGCCGCGCACACGGTGAGCTGGTCGTCGAAGGCCGCGGCCACGAGGGACGAG
CGGGTGGGGAAGCGGCGGTAGAGGGTGGCCACGCCGACGCCCGCCCGGCGGGCGACCGCGCTCATCGGGGCGTCGAC
GCCCCGGGCGGAGAAGACCTCGCGCGCGGCCTCCAGGACGCGTTCGCGGTTGCGGCGGGCATCGGCCCGCAGCGCGTC
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GACGTGGGTCACGAGACATGGGTGCGAGAC

SCO3321 ATGTGCTCCGGGTCCTCGAACCCGGCCAGCCGGAACCAGGCCTGCTGCCAGGCGAAGCGGGCGAGGTCGCGGGTCTCG
AAGAACTTCCGCTTGTACAGGCCCCGGCCGAAGTGGAAGATCGCGGCGCCCTGCATGACGGTGTTGTCGAGGTCGAAGAA
CGCGGCCGCGCGGTCGTCGCCGTGGACCGGGAACTCCGGTTCGGCGACTCCGGAGCCGGGGGTGGTTTCCTGGGAGGT
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GGCGGAGCGCCTACGGGGAGTGAGCCATCGAAGAGCGGCCATGCCAGTGAGCATAGCCAGCTTGTTCGGATGCTTCGGA
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CACCCGCGCTCGCGCCGGCGCGCGCGAGA

SCO3391 ACCAGCGCAGCTGAGCCAGGGGCGCCGCGCACAGGCCGGTGGCCAGCGCGGTCCGCGAGGCCCAGCGGGCGCCGGTC
GCGGCCACGGTGTAGATGATCACCAGGAAGGCGAAGTCGGCGGGCATCGTCGAGACGTCGAAGGCCAACTGCCCCAGGC
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GCACGACGAAGGCCCAGAACGAGTCGACACCGGTCGGGTGTCGGCGGAGGAAGTCGTAGAGGCGCTGCACGTAACCCAG
CGTAGGGAAGCGGAATAGGTGCAGGGGTCAACCGGAGGGCCGATCCGCATCGCCCGCGCATACTCCGCAAGGTGGAGG
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SCO3410 CGCCTGGACCGCCGCCTGTTCACCTCGACCGCCTACCCGACCGACTACGGCTTCGTCGAGAACACCCTCGGCGAGGACG
GCGACCCGCTGGACGCGCTGGTCATCCTGGACGAGCCGACCTTCCCGGGCTGCCTCATCCGCTGCCGCGCGATCGGCAT
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TGACCATACTGAGGTCAACAGGAGGGT

SCO3436 GCGAGGAGGTACTGCTGGCCGTACCGGTCGGGCATCGACTGGCCGGCCGGGAGCGGGTCGCGGTGGCCGAGCTGGCC
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CACCGCGCGTGGTCTGCGAAGGCGACGAGGCGGCGGCCACTCCCGAACTCGTCGGGGCCGGTGTGGGCATCGGCCTGA
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GGCTCATGCCCGACGTGTCATGAGTACATGGCGAAGCCGGTCGTGGACGGCATGAGAAACCCGCCCCTAGCGTCGAAGG
CAGCCACGGACGCGACCAGGGAAGGCGGACG

SCO3541 GCGGCGGACGAGACGGCGGTGCTTCCGGCGGTGCAGCCGCGGGACGCCGACGAGACGGCGGTCCTGCCGCCCGTGCG
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CAATGGAGGGCGCGCCGCGGATCAGCGCGGCGGCTCGGTGTCACGGCTCGGTGTCACGGCTCGGTGTGACGGCTCTGT
GTGAGGGCTCGGTGTGAGGAAAGGACGGCGTGACCC

SCO3616 GCTCCCCGGCGGTCAGCAGCATGTCGAGTTCACGCCCGGCAGGGATCGGGGAAACCTGCTCGGCGAGATCGATCAGCTC
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CGCGCTTGATGCCCTCGGCATCGGCTACGGAGGAGCCTCCGTACTTCTGCACGACAAGGCCCACGTGCGCTCCTCGCTCA
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GCATGGTGAGACTCCGGACCGCCCGCTGTTCGGGGTGGCTCATGCCCAGGGGGACGCGGGTCACTCGGGAAAGTGCGG
TGTGTCACACGTTCACAAGTGGCTTCCCGCCACGTGGAAGACCGGGTTGGTGGAACGCACAACCCTTGCGGCCCCTGGTG
AGTCCGACCCCCGGGGCGTGCG

SCO3624 TCGCTGGCCGCCGACCTGCCGGGCGGACCGGACCCGGCCGATCCGCGCATCGCCGCCGCCCTCGCCGGGGTCCGCCG
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CGGCGCGACGTCCCGGGCGCGCGTGCGCTCGTCGACGCGTACAACAGCCACTCGCTCGCCCTGATCGAGGGGCTCGCC
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CACCGACTACGCTGCCCTGACCGCCGTGCTGT

SCO3636

CGCGTCGCCGCCCGCTCCTACGGGCCCGTGCCCGTGCCAGCCGCTCCTCACGCTGCCGCTGTGCGCGCTCGCGCTGCCT
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GTACTTGCCGCCGCCCTCCGGGACACCGCAGCCTCCCCTCGGATGCGGCGCGCATCCCACCGTCACCGACCCGGCCAGT
CCCCACCCGAACCACAGTGCCAGTCCCGCCGCCAAGGCGGCCCCCACCCATTTGGCATGCATCAGCGGAGTGTATGCACC
GGCCGGGCCGGCGATCTATCGTCCGTCC

SCO3637

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SCO3697

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SCO3927

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SCO4082 GCCCCCGGGCCCAAGGAGGGCGACCTCTGGGCCCTGGAAGGTCTGAAGGAGCAGTTGGCGGAACTGAAGGCCGCGGCC
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SCO4093 CGCGTCCGGCGAGGCGGACTTGACCCGAGCGCGTCACCCGTACCCGAGGGAGTGCAGCCGCGCGTCGTCGATCCCGAA
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CGGGTACGACCGTGGAGTACGACCCGCATATCCGCCCCGGGCCACGGGCATACGGGACCAATGGCCCGCGTCCCCGCC
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SCO4106 CCGCCCCTGCGTCGCCGCCCACGAGCAGGAACCGGACCGACAGTGGCACCGCCGCCTCGCCCTCGTGCTCGCCGCCGA
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SCO4508

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SCO4523

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SCO4650

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SCO4656

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SCO4658

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SCO4733

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SCO4742

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SCO4743

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SCO4746

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SCO4757

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SCO4758

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SCO4787

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SCO5401 CGCGAGGTCGAGACCATCGCCGTCACCACGCTGCGCGAGCGCATCGGTGACCTGCACGGGGACCGGCGGCTGGGCGCG
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SCO5462 GCGGTGTCGATGCCGGCGAAGACCTCGGCCATGAAGTCCTCGATGATCCGGCGGCGTTCGGTGGTGGACAGTCGTGCCA
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SCO5675

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SCO5748

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SCO5765

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SCO5766

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SCO5788

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SCO5949

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SCO6075

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SCO6137

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SCO6793

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SCO7254

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SCO7255

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SCO7256

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SCO7450	CACGACGAGCCCCGTGGCGGCATGCACACCGGCGGCGGCGCGCTGGCCGCGGTGAACGAGGGCGACTGGGACGGCGG CGGCCGCGAGTCCAAGGAGGGCGGCTCGCAGACCTACCAGCAGGACGAGGGCGAGAGCTCCAGGGGCGGCGGTGAGCA CGAGAAGCCGCGCGGCGGGATGCACACCGGCGGTGGCGGACTTGCCACGCCGACCACGACCGCGGGCGGGCTCGCCG TCCTGGCCGTCGCCGCGACCGGCCTGTACGCCGTCCGACGCAAGAAGTCGGCTCACGGAGTGGCGTAAGCCGTGCCGG GCGCCATAGCAGCCGGGCCGCCACCCAGGAACCACGGGGCGGCCCGGCTCGCCCCCGCCCACCCCGCCGCCCCTCGTG TCCGTCCTGCCGCCGTGTCCCAGTGAGGTCGTCCCCGATGTCAGTCACCCCTCCCACCCCCGCCCCGGCCGACGACGAG ACGACGACCGGTCAGGGCTCCCGCTCCGGCCTG
SCO7451	GGCCGGCGACACCAACCTCGTCGGCTGGTACGCCAAGGGCGTCTCGCCCGGCGAGAAGGGCACCTCGATCATCGCCGG GCACGTGGACACCAAGACGTCGGCCGCCGTCTTCGCCCGCCTCGACCAGCTCGACAAGGGCGACAAGTTCCAGGTCCGG CGCGCGGACGGGCGCAGCGCCACCTTCGTGGTCGACGGCCTGGAGACCTTCGCCAAGGACGAGTTCCCGAGCGACCGC GTCTACGGCGACGCCGACCGGCCCGAGGTGCGACTGATCACCTGCGCGGGCGACTACGACCACAAGGTCAAGGACTACA CGGACAACCTGGTCGTCTTCGCGCACCTCGCCTGAGGCCGCGCACCGGGCCGGCCGCGGCGCCGGTCACCCGCGCACC GCACACGGGTCGCGCGACGGCGGGGCCCGGCACAGGATCGAGGCAAGCCGGCGTCGCATCACCGCGGCCGACGTTCAG TTCCGCCCCCGCGAAGGAGATGTGCGCAGG