

Supplementary Information

Tianfu goat-nucleotide sequence

ATGTCCGAGCCCAAGGCAATTGATCCCAAGTTGTCGACGACCGACAGGGTGGTGAAAGCT
GTCCCATTTCTCCAAGTCACCGGCTTACGGCAAAAGAAGTGTTTGATAACGATGGGAAAC
CTCGTGTGGATATCTTAAAGGCACATCTCATGAAGGAGGGCAGGCTCGAAGAGACTGTCGC
ATTGAGAATAATAACAGAGGGGGCTTCAATTCTTCGACAGGAAAAAACTTGCTGGATATT
GATGCTCCAGTCACAGTTTGTGGGGACATCCATGGACAATTCTTTGACTTGATGAAACTCTT
TGAAGTGGGGGGATCTCCTGCCAACACTCGCTACCTCTTCTTAGGGGACTATGTTGACAGA
GGGTACTTCAGTATCGAATGTGTGCTGTATTTGTGGGCTTTGAAAATTCTTTACCCCAAAC
ACTGTTTTTACTTCGTGGAAATCATGAATGTAGACATCTAACAGAGTATTTACATTTAAAC
AAGAATGTAATAAAGTATTCAGAACGTGTATATGATGCCTGCATGGATGCCTTTGACTGC
CTGCCCTGGCTGCCCTGATGAACCAGCAGTTCCTGTGTGTACACGGCGGTTTGTCTCCAG
AGATAAACACTTTAGATGATATCAGAAAATTAGACCGATTCAAAGAACCACCTGCTTATGGA
CCTATGTGTGATATCCTGTGGTCAGACCCGCTGGAAGATTTTGGAAATGAGAAGACTCAGG
AACATTTCACTCACAACACAGTCAGGGGCTGTTCATACTTCTACAGTTACCCGGCTGTATGT
GAATTCTTGCAGCACAATAACTTGTTATCTATCCTCCGAGCTCACGAAGCCCAAGATGCAG
GGTACCGCATGTACAGGAAAAGCCAAACAACAGGCTTCCTTCTCTCATTACAATTTTTTC
AGCACCAAATTACTTAGATGTATAACAATAACAAGCTGCAGTATTGAAGTATGAGAACAATG
TCATGAATATCAGGCAATTCAACTGTTCTCCTCATCCATACTGGCTTCCAAATTTTCATGGATG
TTTTACCTGGTCCCTGCCATTTGTTGGGGAAAAAGTGACTGAGATGCTGGTAAATGTCCT
CAACATCTGCTCAGACGATGAACTGGGGTCAGAAGAAGATGGATTTGATGGAGCAACGGC
TGCGGCCAGGAAGGAGGTGATAAGAAATAAGATCCGAGCCATCGGCAAGATGGCCAGAGT
GTTCTCGTTCTCAGAGAAGAGAGTGAAAGTGTGCTGACGCTGAAAGGCCTGACGCCAC
AGGCATGCTCCCCAGCGCGTGCTTTCTGGAGGGAAACAAACCCTGCAAAGCGCTATCAA
AGGATTTTCACCACAACATAAGATCACTAGCTTCGAGGAGGCCAAGGGCTTAGACCGAATT
AACGAGAGGATGCCGCCTCGCAGAGATGCCATGCCCTCTGACGCCAACCTTAACTCCATCA
ACAAGGCTCTCGCCTCAGAGACTAACGGCACGGACAGCAATGGCAGTAATAGCAGCAATA
TCCAGTGA

Tianfu goat-amino acid sequence

MSEPKAIDPKLSTDRVVKAVPFPPSHRLTAKEVFDNDGKPRVDILKAHLMKEGRLEETV
ALRIITEGASILRQEKNLLDIDAPVTVCEDIHQFFDLMKLFVGGSPANTRYLFLGDYV
DRGYFSIECVLYLWALKILYPKTLFLLRGNHECRHLTEYFTFKQECKIKYSERVYDACMD
AFDCLPLAALMNQQFLCVHGGLSPEINTLDDIRKLDRFKEPPAYGPMCDILWSDPLEDFG
NEKTQEHFTHNTVRGCSYFYSYPAVCEFLQHNNLLSILRAHEAQDAGYRMYRKSQTTGFP
SLITIFSAPNYLDVYNNKA AVLKYENNVMNIRQFNCSHPYWLPNFMDVFTWSLPFVGEK
VTEMLVNVLNICSDDELGSEEDGFDGATAAARKEVIRNKIRAIGKMARVFSVLREESV
LTLKGLTPTGMLPSGVLSGGKQTLQSAIKGFSPQHKITSFEEAKGLDRINERMPPRRDAM
PSDANLNSINKALASETNGTDSNGSNSSNIQ