**S1 Fig.** D7VX69 prolyl endopeptidase nucleotide sequence.

> D7VX69

 1 atgatgtatc ccaaagcatt aaaaggaaag caaaccgata attattttgg aactgctgtt

 61 acagatccgt tcagagatct tgaaaatgat tctgaagcca ccaaaaagtg ggtcgacgaa

 121 gaagtgaaac acagtcagga ttatcttgca aaaatccctt tcagagaaga aatcaggaaa

 181 cagctcaccg atatctggaa ctacgaaaaa atttcggctc cttttaaaga aggtgatttt

 241 acttattatt ataaaaacaa cgggctacag gcacaatctg tactttacag aaccaacaat

 301 aaaacgaaag aaacagaagt atttttagat ccgaataaat tttctgaaaa aggcaccact

 361 tcactttctc aattgtcttt taacaaaaaa ggaaatctcg ccgcttattc tatttcagaa

 421 ggaggaagtg actggaacaa gatcattatc atagacgctt tatctaaaaa acagatcgat

 481 gaaacgctgg tagatgtaaa gttcagcgga atttcctggc agggtgatga aggtttctat

 541 tattcaagct acgacaaacc gaaagaggga accgtgctct ccggcatgac cgataagcat

 601 aaagtctatt ttcataagtt aggaacaaag cagtccgaag atcaattgat ttttggagga

 661 gataaaacac cgagaagata tttgggagca ggagtgtctg aagatcagag atatcttatt

 721 atttctgctg cgaatgccac caacggaaat gaattataca taaaagacct taaaaacgga

 781 ggagattttg tgcagattaa taaaggtttt gatatcaatg ccgatatagt cgatacacaa

 841 ggagacgatc tgtatatctt taccgataag gatgccccga atatgcgtct cgtaaaaaca

 901 accattaaaa atcctgctcc agagacttgg aaagatgtaa ttccggaaac ggaaaatgtt

 961 ttgggaatca caacaggcgg aggatatttc tttgctacct atatggtgga tgcgattgat

 1021 caggtaaaac aatacgacag agcaggaaaa atgatccgtg aaattacgct tcccggaaaa

 1081 ggaaatgttt ctggttttgg aggaaaggaa aacgagaaag aattgtattt ttcattcacc

 1141 aattatatta caccgggaac aacgtataaa ttcaatgcag attccggaaa atctgaggtt

 1201 taccagaagc cgaaggtgaa atttaatcct gaagattatg tctctgaaca agtattttac

 1261 acctcaaaag acggtacaaa agttccgatg atgattaact ataaaaaagg aactaagctc

 1321 gacggtaaaa atcctacgat tttatattct tacggaggtt ttaatatcag tttgcagccg

 1381 gccttctctg tagtcaatgc catctggatg gaaaacggtg gtatttatgc cgttccgaac

 1441 atccgtggag gtggtgaata tggaaaaaaa tggcatgatg ccggaacaaa aatgaataag

 1501 aaaaacgtat tcaacgattt catcgctgcc ggagaatatt tgcagcagaa aggctacact

 1561 tccaaacagt ttatggctct ttcgggaaga tcaaatggag gactgctggt gggtgcaaca

 1621 atgacgatgc gtcccgatct ggcaagagtc gctttcccgg gagttggcgt gttggatatg

 1681 ctgaggtata ataaattcac agccggtgca ggttggtcgt acgattacgg aacctctgaa

 1741 gatagcaaag aaatgtttga atatttaaaa tcatattccc cggttcataa tgtaaaagcc

 1801 ggaacatgct atccttccac aatgattatc accagcgatc atgatgacag ggtggttcct

 1861 gcgcattctt tcaaattcgg agctgagctt caggaaaagc aggcatgcga tcatccgatt

 1921 cttttaagga ttgaaaaaaa tgcaggtcac ggagcaggca gatctacaga tcaggtgatc

 1981 ggagaaaatg cagacttgat ttctttcgct ttatttgaaa tggggattaa aaatttaaag