

A.

1 CAAATGGGGGAGTGAGAGGC CATAGCTGTCTGGCATGGGCCTCTCCACCGTGCCTGACCTGCTG
1 M G L S T V P D L L
65 CTGCCACTGGTGCTCCTGGAGCTGTTGGTGGGAATATACCCCTCAGGGGTTATTGGACTGGTC
11 L P L V L L E L L V G I Y P S G V I G L V
128 CCTCACCTAGGGGACAGGGAGAAGAGAGATAGTGTGTGTCCCAAGGAAAATATATCCACCCT
32 P H L G D R E K R D S V C P Q G K Y I H P
191 CAAAATAATTTCGATTTGCTGTACCAAGTGCCACAAAGGAACCTACTTGTACAATGACTGTCCA
53 Q N N S I C C T K C H K G T Y L Y N D C P
254 GGCCCCGGGGCAGGATACGGACTGCAGGGAGTGTGAGAGCGGCTCCTTCACCGCTTCAGAAAAC
74 G P G Q D T D C R E C E S G S F T A S E N
317 CACCTCAGACACTGCCTCAGCTGCTCCAAATGCCGAAAGGAAATGGGTGAGGTGGAGATCTCT
95 H L R H C L S C S K C R K E M G Q V E I S
380 TCTTGCACAGTGGACCGGGACACCGTGTGTGGCTGCAGGAAGAACCAGTACCGGCATTATTGG
116 S C T V D R D T V C G C R K N Q Y R H Y W
443 AGTGAAAACCTTTTCCAGTGCTTCAATTGCAGCCTCTGCCTCAATGGGACCGTGCACCTCTCC
137 S E N L F Q C F N C S L C L N G T V H L S
506 TGCCAGGAGAAACAGAACACCGTGTGCACCTGCCATGCAGGTTTCTTTCTAAGAGAAAACGAG
158 C Q E K Q N T V C T C H A G F F L R E N E
569 TGTGTCTCCTGTAGTAAAGTCCTGCTCTGTGCGCCAGGCTGGAATGCAGTGGCGCGATCTCGG
179 C V S C S K V L L C R P G W N A V A R S R
632 CTCACTGCAACCTCTGCCTCCCAGATTCAAGCAATTCTCCTGCTTCAGCCTCCCAAGTAGCTG
200 L T A T S A S Q I Q A I L L L Q P P K *
695 GGATTACAGGCACGTGCCACCATGCCTGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTC
758 ACCATCTTGGTCAGGCTGGTCTCAAACCTCCTGGTGATCCACCTGCCTCTGCCTCCCAAAGTGC
821 TGGGATTACAGCCGTGAGCCACTGCACCCAGCCGGCTTCATCTCTTCTTGAAATCACTTTTAT
884 ACCATTCTATGTGGTTTCTACCATGAGCTTGAGTGGTGGGCTAAAGTGCCTCTCCCTGCTTTC
947 AGCTTCCTGCTGGGAACTCACTCTCTCAAGTTCCTTCAGCACCACCCCATAGAGTTCCCATC
1010 ACTCCACACTGTCCAGTGACAACCTCCCAACATGGAAGATCTGCTAGTTCTACAGGGTGCTCTC
1073 TGGCTGCCCCAGTAACATGTGTTTTTAAATTTTTTACATGCATGTTTGACCCCCGACTCCCCGA
1136 AGTCAGGTACTGTAAC TAGCAGTGTCAATTAAGAAAAAGCCCTTTAACCTCTCTTTGCCAAAG
1199 GATTCTTATCAGCAAAAACAGTGATGAAACAACAATCCCATAACAGCTAGCTGGCTACCTTCTC
1262 AAGCACTTATTAATGAGGCATAATGATTTTGCTTAATCCTCAATCCTGAGAGGTGGGCGATC
1325 CCTGTGGTGATGAGGaaaccgaggccttggggggtaatggcttgcc tagattcacactgctagc
caagggaatgaactggaattttacaccctgaccctgactgctttttcacatttttctacacagcctt
ttcaagatccctgccaattctaaaattaaatgattctatgattaaaaa

B.

Novel	MGLSTVPDLLLPLVLELLLVGIYPSGVIGLVPHLGDREKRDSVCPQGYIHPQNNSICCT	60
Refseq	MGLSTVPDLLLPLVLELLLVGIYPSGVIGLVPHLGDREKRDSVCPQGYIHPQNNSICCT	60
Novel	KCHKGTLYLNDPCPGQDTCRECESGSFTAENHLRHCLSCSKCRKEMGQVEISSCTVD	120
Refseq	KCHKGTLYLNDPCPGQDTCRECESGSFTAENHLRHCLSCSKCRKEMGQVEISSCTVD	120
Novel	RDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSQCEKQNTVCTCHAGFFLRENECV	180
Refseq	RDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSQCEKQNTVCTCHAGFFLRENECV	180
Novel	SCSKVLLCRPGWNAVARSLTATSASQIQAILLLQPPK-----	218
Refseq	SCSNCKKSLECTKLCLPQIENVKGTEDSGTTVLLPLVIFFGCLLSLLFIGLMYRYQRWK	240
Novel	-----	
Refseq	SKLYSIVCGKSTPEKEGELEGTTTKPLAPNPSFSPTPGFTPTLGFSPVPSSTFTSSSTYT	300
Novel	-----	
Refseq	PGDCPNFAAPRREVAPPYQGADPILATALASDPIPNP LQKWEDSAHKPQSLDTPATLY	360
Novel	-----	
Refseq	AVVENVPPLRWKEFVRRLLGSDHEIDRLELQNGRCLREAQYSMLATWRRRTPREATLEL	420
Novel	-----	
Refseq	LGRVLRDMDLLGCLEDIEEALCGPAALPPAPSLLR	455

C.

