Supporting Figure 2:

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                 10        20        30        40        50        60        70        80        90       100       110       120       130       140       150
K-cons     MNPSEMQRKAPPRRRRHRNRAPLTHKMNKMVTSEEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVTQTPESMLLAALMIVSMVVSLPMPAGAAAANYTYWAYVPFPPLIRAVTWMDNPIEVYVNDSVWVPGPIDDRCPAKPEEEGM
K-108      ..........................................................................................................T...........................
K-109      ..........................................................................................N.........................................
K-113      ..........................................................................................................I..........T..C.........
K-115      ..........................................................................................V....N.........................................
K-17833    ..........................................................................................................T..H.........
K-74261    .H.............................-.........................................................N.............................H...............

                 160       170       180       190       200       210       220       230       240       250       260       270       280       290       300
K-cons     MINISIGYRYPPICLGRAPGCLMPAVQNWLVEVPTVSPISRFTYHMVSGMSLRPRVNYLQDFSYQRSLKFRPKGKPCPKEIPKESKNTEVLVWEECVANSAVILQNNEFGTIIDWAPRGQFYHNCSGQTQSCPSAQVSPAVDSDLTESLD
K-108      ........H...............................C.......................................................................................
K-109      ...........-......................I....C.....................................................................T.Q...............................
K-113      ..........................................................................................L.....................................
K-115      ..........................................................................................................................................
K-17833    ...............................................................F..........................................................................
K-74261    ........H..................................N.......................................................V.............................................

                 310       320       330       340       350       360       370       380       390       400       410       420       430       440       450
K-cons     KHKHKKLQSFYPWEWGEKGISTPRPKIISPVSGPEHPELWRLTVASHHIRIWSGNQTLETRDRKPFYTVDLNSSLTVPLQSCVKPPYMLVVGNIVIKPDSQTITCENCRLLTCIDSTFNWQHRILLVRAREGVWIPVSMDRPWEASPSIH
K-108      ...........................V.........................................I.........................................................V.
K-109      ..............................................................L...........................................................
K-113      ......................A.............................................I.........................................................V.
K-115      ..................R........V.............................................L.........................................................V.
K-17833    ...................................................................V.......I.....................................................T.....
K-74261    ..........................................................................................................................................

                 460       470       480       490       500       510       520       530       540       550       560       570       580       590       600
K-cons     ILTEVLKGVLNRSKRFIFTLIAVIMGLIAVTATAAVAGVALHSSVQSVNFVNDWQKNSTRLWNSQSSIDQKLANQINDLRQTVIWMGDRLMSLEHRFQLQCDWNTSDFCITPQIYNESEHHWDMVRRHLQGREDNLTLDISKLKEQIFEA
K-108      ...........................................................................................................................................
K-109      ...............................................G.........................................................................
K-113      ...............................................N.........................................................C.......................
K-115      ...............................................G.......................................................D...............................
K-17833    T..............................................................................S.....................................
K-74261    ...............................M..........F...............................................................................

                 610       620       630       640       650       660       670       680       690
K-cons     SKAHLNLVPGTEAIAGVADGLANLNPVTWVKTIGSTTIINLILILVCLFCLLLVCRCTQQLRRDSDHRERAMMTMAVLSKRKGGNVGKSKRDQIVTVSV   699
K-108      ..................................................................................................   699
K-109      ..................................................................................................   698
K-113      ........................T.........................Y....................V.......................   699
K-115      ..................................................................................................   699
K-17833    ..................................................................................................   699
K-74261    ..................................................F........Y.........V.......................   698
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