

Alignment: /Users/sjkim/Dropbox/NPC/POM152/Modelling/Alignments/MUSCLE\_new.txt  
Seaview [blocks=10 fontsize=10 LETTER] on Sun Oct 25 23:01:07 2015

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1
375-482 -VPYCPIAS- ITGTGSNDRC IGDSN-NVSF E-----IQ GVPPMKLAYS KIVNG----- ----QTFSY
516-611 -VPRAALEER FDPKSPTKRS IAIVF-EEIK N-----WI SDIPYVISLS YTDAQD----- ----KSKKI
611-716 -MPVAPTME- VKSFPILDQC VGQVGLNFEL S-----FT GAPPYYNTK IYKLENGE-- ----RKLYDA
821-928 -IPSAAFNF- FEPIKEAKIK HGSVT-EIPL K-----LS GEGPFTVKFK HMDYDGNI-- ----VKEFEN
929-1032 -HHITKVTE- -NLFSKEEVC QGMEG-TVDL A-----LF GSPPFILEYD LMAPNG----- ----HISTKK
1033-1145 PIPDVAFAD- --GKTLRAC AANVD-QISF LEPINLKFLQ GESPFSITFS VYHESTSR-- ----TDQYTI
1146-1237 -APKIHILD- ----PSTEYC VGD---YVAY Q-----LN GVAPFMIKYE F----- ----NGIPL
1238-1337 PIPSVTVSQ- -GNYVTEDIR EGDQA-EVIF S-----FE GTPPFSLTYV RTEETDGK-- -HGKRRSQVV
717-820 -MRVKPSAS- LKLHHDLLKC LGDHS-SVPV A-----LK GQGPFTLTID IIETFSSK-- ----RKTFEI
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71
375-482 VDSSLQPEYF ESPLQSSK-- ---SKQSFTQ GELNDLKWGR NQPVNINLDS SITQDGKFAY KID
516-611 MNVTDSLTK VLQADLP--- ---GSYNLEY IESKFCP-GE IVGKSNVLVT M----- ---
611-716 KRYTSEGTRN RFSYSPPKE- ---GNYEIVF DTVSNKLFTE PIKLEPVKEY TFKTS----- ---
821-928 KFQNSYKPAL KVSKE----- ---GLYQLVD IRDSSCQ-GN VIYRNSLYKV SFLEKPKFAI QDN
929-1032 IQVATKYASL KLPNQIP--- ---GEYITTI KAIFDGNYGE SDIHFREHQS ELIIKQTVH- ---
1033-1145 DNIDSENFSE EKLYEGMKL- ---GNHAITI DSVVDANGCV NSLISGPRNQ ILVSITD--- ---
1146-1237 KSKERSSQFV RLASEP----- ---GIISITS LQDSSSQ-CI VDFTNPKLKS EFDDLNLNIH ---
1238-1337 ETHKVTDIYS HEYKVITSLQ ---GTYEAE ITDAY---CF AKNDLFFNN- ----- ---
717-820 KEIKTNEYVI KTPVFTTG-- ---GDYILSL VSIKDSTGCV VGLSQPDAKI QVRRD----- ---
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