Align

Alignment

🖨 How to print an alignment in color

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P63330 PP2AA_MOUSE 1    ------------------------------------------------------------   0
P62137 PP1A_MOUSE  1    ------------------------------------------------------------   0
P63328 PP2BA_MOUSE 1    ------------------------------------------------------------   0
P97470 PP4C_MOUSE  1    ------------------------------------------------------------   0
Q60676 PPP5_MOUSE  1    MAMAEGERTECAETPRDEPPADGTLKRAEELKTQANDYFKAKDYENAIKFYSQAIELNPG  60
Q9CQR6 PPP6_MOUSE  1    ------------------------------------------------------------   0


P63330 PP2AA_MOUSE 1    ------------------------------------------------------------   0
P62137 PP1A_MOUSE  1    ------------------------------------------------------------   0
P63328 PP2BA_MOUSE 1    ------------------------------------------------------------   0
P97470 PP4C_MOUSE  1    ------------------------------------------------------------   0
Q60676 PPP5_MOUSE  61   NAIYYGNRSLAYLRTECYGYALGDATRAIELDKKYIKGYYRRAASNMALGKFRAALRDYE  120
Q9CQR6 PPP6_MOUSE  1    ------------------------------------------------------------   0


P63330 PP2AA_MOUSE 1    MDEKLFTKELDQW-----------------------------------------------  13
P62137 PP1A_MOUSE  1    -MSDSEKLNLDSII--G-------------------------------------------  14
P63328 PP2BA_MOUSE 1    ---MSEPKAIDPKL--STTDRVVKAVPFPP-----SHRL-----------TAKEVF----  35
P97470 PP4C_MOUSE  1    ---MAEISDLDRQ-----------------------------------------------  10
Q60676 PPP5_MOUSE  121  TVVKVKPNDKDAKMKYQECSKIVKQKAFERAIAGDEHRRSVVDSLDIESMTIEDEYSGPK  180
Q9CQR6 PPP6_MOUSE  1    ----MAPLDLDKY-----------------------------------------------   9
                                   *

P63330 PP2AA_MOUSE 14   -----------IE---QLNECKQLSESQVKSLCEKAKEILTKE----SNVQEVRCPVTVC  55
P62137 PP1A_MOUSE  15   -----RLLEVQGS---RPGKNVQLTENEIRGLCLKSREIFLSQ----PILLELEAPLKIC  62
P63328 PP2BA_MOUSE 36   DNDGKPRVDILKA---HLMKEGRLEESVALRIITEGASILRQE----KNLLDIDAPVTVC  88
P97470 PP4C_MOUSE  11   -----------IE---QLRRCELIKESEVKALCAKAREILVEE----SNVQRVDSPVTVC  52
Q60676 PPP5_MOUSE  181  LEDGKVTITFMKDLMQWYKDQKKLHRKCAYQILVQVKEVLCKLSTLVETTLKETEKITVC  240
Q9CQR6 PPP6_MOUSE  10   -----------VE---IARQCKYLPENDLKRLCDYVCDLLLEE----SNVQPVSTPVTVC  51
                                   : ..    :       .::  .              :.:*

P63330 PP2AA_MOUSE 56   GDVHGQFHDLMELFRIGGKSPDTN-YLFMGDYVDRGYYSVETVTLLVALKVRYRERITIL  114
P62137 PP1A_MOUSE  63   GDIHGQYYDLLRLFEYGGFPPESN-YLFLGDYVDRGKQSLETICLLLAYKIRYPENFFLL  121
P63328 PP2BA_MOUSE 89   GDIHGQFFDLMKLFEVGGSPANTR-YLFLGDYVDRGYFSIECVLYLWALKILYPKTLFLL  147
P97470 PP4C_MOUSE  53   GDIHGQFYDLKELFRVGGDVPETN-YLFMGDFVDRGFYSVETFLLLLALKVRYPDRITLI  111
Q60676 PPP5_MOUSE  241  GDTHGQFYDLLNIFELNGLPSETNPYIFNGDFVDRGSFSVEVILTLFGFKLLYPDHFHLL  300
Q9CQR6 PPP6_MOUSE  52   GDIHGQFYDLCELFRTGGQVPDTN-YIFMGDFVDRGYYSLETFTYLLALKAKWPDRITLL  110
                        ** ***:.** .:*. *   ::. *:* **:**** *:* .  * . *  : .: ::

P63330 PP2AA_MOUSE 115  RGNHESRQITQVYGFYDECLRKYGNANVWKYFTDLFDYLPLTALVDGQIFCLHGGLS-PS  173
P62137 PP1A_MOUSE  122  RGNHECASINRIYGFYDECKRRYN-IKLWKTFTDCFNCLPIAAIVDEKIFCCHGGLS-PD  179
P63328 PP2BA_MOUSE 148  RGNHECRHLTEYFTFKQECKIKYS-ERVYDACMDAFDCLPLAALMNQQFLCVHGGLS-PE  205
P97470 PP4C_MOUSE  112  RGNHESRQITQVYGFYDECLRKYGSVTVWRYCTEIFDYLSLSAIIDGKIFCVHGGLS-PS  170
Q60676 PPP5_MOUSE  301  RGNHETDNMNQIYGFEGEVKAKYT-AQMYELFSEVFEWLPLAQCINGKVLIMHGGLFSED  359
Q9CQR6 PPP6_MOUSE  170  RGNHESRQITQVYGFYDECQTKYGNANAWRYCTKVFDMLTVAALIDEQILCVHGGLS-PD  169
                        *****   :.. : *  *   :*    :        . *: * :: :: :.:  ****  .

P63330 PP2AA_MOUSE 174  IDTLDHIRALDRLQEVPHEGPMCDLLWSDPD-DRGGWG-------ISPRGAGYTFGQDIS  225
P62137 PP1A_MOUSE  180  LQSMEQIRRIMRPTDVPDQGLLCDLLWSDPDKDVQGWG-------ENDRGVSFTFGAEVV  232
P63328 PP2BA_MOUSE 206  INTLDDIRKLDRFKEPPAYGPMCDILWSDPLEDFGNEKTQEHFTHNTVRGCSYFYSYPAV  265
P97470 PP4C_MOUSE  171  IQTLDQIRTIDRKQEVPHDGPMCDLLWSDE-DTTGWG-------VSPRGAGYLFGSDVV  222
Q60676 PPP5_MOUSE  360  GVTLDDIRKIERNRQPPDSGPMCDLLWSDPQPQNGR-S-------VSKRGVSCQFGPDVT  411
Q9CQR6 PPP6_MOUSE  170  IKTLDQIRTIERNQEIPHKGAFCDLVWSDPE-DVDTWA-------ISPRGAGWLFGAKVT  221
                        :::.** : *  : *  * :**::****  :          . ** . :.

P63330 PP2AA_MOUSE 226  ETFNHANGLTLVSRAHQLVMEGYNWCHDR------NVVTIFSAPNYCYRCGNQAAIMELD  279
P62137 PP1A_MOUSE  233  AKFLHKHDLDLICRAHQVVEDGYEFFAKR------QLVTLFSAPNYCGEFDNAGAMMSVD  286
P63328 PP2BA_MOUSE 266  CDFLQHNNLLSILRAHEAQDAGYRMYRKSQTTGFPSLITIFSAPNYLDVYNNKAAVLKYE  325
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Q60676  PPP6_MOUSE  222  NEFVHINNLKLICRAHQLVHEGYKFMFDE------KLVTVWSAPNYCYRCGNIASIMVFK  275
Q9CQR6  PPP6_MOUSE  222  NEFVHINNLKLICRAHQLVHEGYKFMFDE------KLVTVWSAPNYCYRCGNIASIMVFK  275
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P63330  PP2AA_MOUSE  280  DT-LKYSFLQFDPAPRRG------------------------------------------  296
P62137  PP1A_MOUSE   287  ET-LMCSFQILKPADKNK--------------------------------------GKYGQ  308
P63328  PP2BA_MOUSE  326  NN-VMNIR-QFNCSPHPYWLPNFMDVFTWSLPFVGEKVTEMLVNVLNICSDDELGSEEDG  383
P97470  PP4C_MOUSE   277  EH-LQKDFIIFEAAPQET------------------------------------------  293
Q60676  PPP5_MOUSE   466  GSDLRPQFHQFTAVPHPNVKPMAYANTLLQLGMM--------------------------  499
Q9CQR6  PPP6_MOUSE   276  DV-NTREPKLFRAVPDSE------------------------------------------  292
                                  :


P63330  PP2AA_MOUSE  297  --------EPHV-TRR------TPDYFL--------------------------------  309
P62137  PP1A_MOUSE   309  FSGLNPGGRPITPPRN-----SAKAKK--------------------------------  330
P63328  PP2BA_MOUSE  384  FDGATAAARKEVIRNKIRAIGKMARVFSVLREESESVLTLKGLTPTGMLPSGVLSGGKQT  443
P97470  PP4C_MOUSE   294  --------RGIPSKKP------VADYFL--------------------------------  307
Q60676  PPP5_MOUSE   500  ------------------------------------------------------------  499
Q9CQR6  PPP6_MOUSE   293  --------RVIPPRT------TTPYFL--------------------------------  305


P63330  PP2AA_MOUSE  310  ------------------------------------------------------------  309
P62137  PP1A_MOUSE   331  ------------------------------------------------------------  330
P63328  PP2BA_MOUSE  444  LQSATVEAIEADEAIKGFSPQHKITSFEEAKGLDRINERMPPRRDAMPSDANLNSINKAL  503
P97470  PP4C_MOUSE   308  ------------------------------------------------------------  307
Q60676  PPP5_MOUSE   500  ------------------------------------------------------------  499
Q9CQR6  PPP6_MOUSE   306  ------------------------------------------------------------  305


P63330  PP2AA_MOUSE  310  ------------------  309
P62137  PP1A_MOUSE   331  ------------------  330
P63328  PP2BA_MOUSE  504  ASETNGTDSNGSNSSNIQ  521
P97470  PP4C_MOUSE   308  ------------------  307
Q60676  PPP5_MOUSE   500  ------------------  499
Q9CQR6  PPP6_MOUSE   306  ------------------  305
```

You may add additional sequences to this alignment (in FASTA format)