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H.sapiens   MLLLAAAFLVAFVLLLYMVSPLISPKPLALPGAHVVVTGGSSGIGKCIAIECYKQGAFITLVARNEDKLLQAKKEIEMHSIN-DKQVVLCISVDVSQDYNQVENVIKQAQEKLGPVDMLVNCAGMAVSGKFEDLEVSTFERLMSINYLGS   150
M.musculus  MLLLAAAGLVAFVLLLYMVSPLISPKPLALPGAHVVVTGGSSGIGKCIAIECYKQGAFITLVARNEDKLLQAKKDIEKHSIN-DKQVVLCISVDVSQDYNQVENVIKQAQEKLGPVDMLVNCAGTSMSGKFEELEVSSFEKLMSINYLGS   150
D.rerio     MLLVVAAFIVAFVLLLYMISPLISPKPLKLNGAHVVVTGGSSGIGKCIAMECYKHGAFITLVARDEHKLVQAKKEVEKFAIN-DKQVVLCISVDVAKDYSQVESVIKQAQEKLGPVDMLVNCAGTSLSGKFEEVEVDHFKKMMEVNYLGS   150
C._gigas    --MLIYCGILLILVILFALSKLLSAKKIKLKGAHVLITGGSSGIGKALAIEAVKNGANVTIMARNEKKLEDAKEEIESHIKDKDAQKVFSTSVDITKSAEMVKEAVKKAENNLGPVTILINNAGSAVAGNFEDTSSEQFQRMMDLNFLGG   150
            1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150
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H.sapiens   VYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGFTAYSASKFAIRGLAEALQMEVKPYNVYITVAYPPDTDTPGFAEENRTKPLETRLISETTSVCKPEQVAKQIVKDAIQGNFNSSLGSDGYMLSALTCGMAPVTSITEGLQQVVTMGL   300
M.musculus  VYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGFTAYSSSKFAIRGLAEALQMEVKPYNVYVTVAYPPDTDTPGLAEENKTKPLETRLISETTAICKPEQVAKQIVKDAIQGNFNSSIGSDGYMLSSLTCGMAPVTSITEGLQQVVTMGL   300
D.rerio     VYPTRAVITTMKERRMGRIMFVSSQAGQIGLFGYTAYSPSKFALRGLAEALQMEMKPYNIYVTVAYPPDTDTPGFAEENKTKPLETKLISETSGVSQPEQVAKIVVKDAVQGNFTSSFGPDGYMLSALTCGMSPVTSITEGLQQIVTMGL   300
C._gigas    VNVTKAALKGMKDNNGGRIVFISSQAGQVGVFGYTAYSASKFALRGFAESLQMEVKPYNIYVTMAFPPDTDTPGLAEENKSKPRETLLISDTVGLFSPSDVAKSVFKDAVNGKFLSYVGMDGWLLCNLSSGMSPATSVLDLLQQIFTMGL   300
            .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300
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            ** :. ***  ** *:::*  ::   .   *
H.sapiens   FRTIALFYLGSFDSIVRRCMMQREKSENADKTA   333
M.musculus  FRTIALFYLGSFDNIVRRCMVQKAKPEVVDKTA   333
D.rerio     FRTIALFYLGSFDSIVRRCMIQREQCKAADKRE   333
C._gigas    FRFVCQFYLLHFDRIIKKCKEEK---HAKPKTS   333
            .......310.......320.......330...
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