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CLUSTAL 2.1 multiple sequence alignment


humanHEXA       ---MTS----SRLWFSLLLAAAFAGRATALWPWPQNFQTSDQRYVLYPNNFQFQYDVSSA 53
mouseHEXA       ---MAG----CRLWVSLLLAAALACLATALWPWPQYIQTYHRRYTLYPNNFQFRYHVSSA 53
zebrafishHEXA   MARIAKSPRFCCCLLSVVFVSQFVERVCGVWPLPQEIQQSAESSGLSPQLFTFTYSQDSA 60
                 ::       .   .*::::.: :.  . . .:** ** :*     .   * *: * * *  .**

humanHEXA       AQPGCSVLDEAFQRYRDLLFGSGSWPRPYLTGKRHTLEKNVLVVSVVTPGCNQLPTLESV 113
mouseHEXA       AQAGCVVLDEAFRRYRNLLFGSGSWPRPSFSNKQQTLGKNILVVSVVTAECNEFPNLESV 113
zebrafishHEXA   AQAGCSVLDTAFKRYFSIIFP--DFTKDALHDMWLEPKAFVLSVSVKTRGCDGYPDEDSD 118
                **.** *** **:** .::*    .:.: : .        :* *** * *:  *  :*

humanHEXA       ENYTLTINDDQCLLLSETVWGALRGLETFSQLVWKSAEGTFFINKTEIEDFPRFPHRGLL 173
mouseHEXA       ENYTLTINDDQCLLASETVWGALRGLETFSQLVWKSAEGTFFINKTKIKDFPRFPHRGVL 173
zebrafishHEXA   ESYNLSVSEGQAVLRSVTVWGALRGLESFSQLVYRDDYGAYFVNKTEIVDFPRFAFRGLL 178
                *.*.*::.:.*.:* * **********:*****::.  *::*:***:* *****..**:*

humanHEXA       LDTSRHYLPLSSILDTLDVMAYNKLNVFHWHLVDDPSFPYESFTFPELMRKGSYNPVTHI 233
mouseHEXA       LDTSRHYLPLSSILDTLDVMAYNKFNVFHWHLVDDSSFPYESFTFPELTRKGSFNPVTHI 233
zebrafishHEXA   LDTSRHYLPLHAILKTLDAMAYSKFNVFHWIVDDPSFPYQSRTFPDLSKKGAFHPFTHI 238
                ********* :**.***.***.*:******:***.****:* ***:* :**::.*.***

humanHEXA       YTAQDVKEVIEYARLRGIRVLAEFDTPGHTLSWGPGIPGLLTPCYSGSEPSGTFGPVNPS 293
mouseHEXA       YTAQDVKEVIEYARLRGIRVLAEFDTPGHTLSWGPGAPGLLTPCYSGSHLSGTFGPVNPS 293
zebrafishHEXA   YTQSDVMRVIEHARMRGIRVVPEFDSPGHTQSWGKGQPDLLTPCYKGGKPSGTYGPVDPT 298
                ** .** .***:**:*****:.***:****. *** * *.******.*.. ***:***:*:

humanHEXA       LNNTYEFMSTFFLEVSSVFPDFYLHLGGDEVDFTCWKSNPEIQDFMRKKGFGEDFKQLES 353
mouseHEXA       LNSTYDFMSTLFLEISSVFPDFYLHLGGDEVDFTCWKSNPNIQAFMKKKGF-TDFKQLES 352
zebrafishHEXA   VDTTYRFMERLLKEVKFVFPDSYVHLGGDEVSFACWQSNPSVGKFMEKMGFGRDFTKLES 358
                ::.** **. :: *:. **** *:*******.*:**:***.:  **.* **  **.:***

humanHEXA       FYIQTLLDIVSSYGKGYVVWQEVFDNKVKIQPDTIIQVWREDIPVNYMKELELVTKAGFR 413
mouseHEXA       FYIQTLLDIVSDYDKGYVVWQEVFDNKVKVRPDTIIQVWREEMPVEYMLEMQDITRAGFR 412
zebrafishHEXA   FYMESIMNITAALNKTSIVWQDVFDYHERIPQGTVLEIWKGET---YQTELSKMTKAGHR 415
                **::::::**.:  .*  :***:*** : ::  .*::::*: :     *  *:. :*:**.*

humanHEXA       ALLSAPWYLNRISYGPDWKDFYIVEPLAFEGTPEQKALVIGGEACMWGEYVDNTNLVPRL 473
mouseHEXA       ALLSAPWYLNRVKYGPDWKDMYKVEPLAFHGTPEQKALVIGGEACMWGEYVDSTNLVPRL 472
zebrafishHEXA   VLLSAPWYINHITYGQDWRNSYAVQPQNFSGTEEQKKLVIGGEVAMWGEYVDATNLNPRL 475
                .*******:*::.** **:: * *:*  * ** *** ******..*******.*** ***

humanHEXA       WPRAGAVAERLWSN-KLTSDLTFAYERLSHFRCELLRRGVQAQPLNVGFCEQEFEQT 529
mouseHEXA       WPRAGAVAERLWSS-NLTTNIDFAFKRLSHFRCELVRRGIQAQPISVGYCEQEFEQT 528
zebrafishHEXA   WPRACAAAERLWSNEEKTLNADLAFPRLEEFRCELVRRGIQAEPLFVGHCKHEFNGL 532
                **** *.******. : * :   :*: **..*****:***:**:*: **.*::**:
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