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<html><head><style type="text/css"></style></head><body><pre style="word-wrap: break-word;
white-space: pre-wrap;">CLUSTAL 2.1 multiple sequence alignment

humanGLA      --MQLRNPELHLGICALALRFLALVSWDIPGARALDNGLARTPTMGWLHWERFMCNLDCQE  58
mouseGLA      MAMKLLSRDTRLVCELALCPLALVFWSILGVRALDNGLARTPTMGWLHWERFMCNLDCQE  60
zebrafishGLA  -----
drosophilaGLA ---MYGTWGVFLGGILLLQVLQLSMG-----LDNGLALKPPMGWMSWERFRCITDCKL  50

humanGLA      EPDSCISEKLFMEMAELMVSEGWKDAGYEYLCIDDCWMAPQORDS-EGRLQADPQRFPHGI  117
mouseGLA      EPDACISEQLFMQMAELMVSDGWRDAGYDYLCIDDCWMAPERDS-KGRLQADPQRFPSGI  119
zebrafishGLA  -----MLDMSLCALMIAG-----LRNKGTH-RGACRQTPKGFPPVAS  35
drosophilaGLA YPDECISEKLFQRHADLLVSEGYADAGYEYVIIDDCWLEKNRDNDTQKLVPRDKRFPNGL  110
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humanGLA      RQLANYVHSKGLKLG IYADVGNKTCAGFPGSFGYYDIDAQTFADWGVDLLKFDGCGYCDL  177
mouseGLA      KHLANYVHSKGLKLG IYADVGNKTCAGFPGSFGSYDIDAQTFADWGVDLLKFDGCHCDSV  179
zebrafishGLA  KKLADYVHSKGLKLG IYADVGTKTCAGYPGSLGYDIDAKTFADWGVDLLKFDGCFMPDW  95
drosophilaGLA NALSDHIHNQGLKFGLYQDYGTNTCAGYPGV I KHKMLDAQTFADWDVDYVKLDGCIYAN-I  169
               . *:::.*::***:*:* * *.:***:*:* :      .:***:*****.* * :*:***.

humanGLA      ENLADGYKHMALNRTGRSIVYSCEWPLYMWPF-QKPNYTEIRQYCNHWRNFADIDDSW  236
mouseGLA      VSLNGYKYMALNRTGRSIVYSCEWPLYLRPF-HKPNYTDIQYCNHWRNFDDVYDSW  238
zebrafishGLA  HQLGEGYINMSSALNQTGRSIVYSCEWPLYEWQH-QQPDYEAIRKTCNHWRNYGDVYDQW  154
drosophilaGLA SDMASGYPEFGRLNETGRPMVYSCSWPAYQEDAGEMPDIYESLKQHCNLWRNWDDIEDSL  229
               .: .** :. **.**:.*:***.* *      . *: * : : ** ***: *: *.

humanGLA      KSIKSILDWTSFNQERIVDVAGPGGWNDPMLVIGNFGLSWNQVQTQMALWAIMAAPLFM  296
mouseGLA      ESIKNILSWTVVYQKEIVEVAGPGSWNDPMLVIGNFGLSWDQVQTQMALWAIMAAPLLM  298
zebrafishGLA  TSVKSILDWTAEKQKIVVPVAGPGGWNDPMLIIGNFGLSRDQQQTQMALWAIMAAPLLM  214
drosophilaGLA ESLMQIIDYFAKNQDRIQPHGGPGHWNDPMLLLGNYGLSYDQSKLQMAIWAIMAAPLIM  289
               *: .*:.:      *. :      .*** *****:***:* * :*. ***:*****:*

humanGLA      SNDLRHISPOAKALLQDKDVIAINQDPLGKQGYQLRQGDNFEVWERPLS-----GLAWA  350
mouseGLA      SNDLRQISSQAKALLQNKDVIAINQDPLGKQGYCFRKENHIEVWERPLS-----NLAWA  352
zebrafishGLA  SNDLRDICPKAKELLQNKQIIAINQDPLGKQGYRILKADSFELWERPLS-----GNRLA  268
drosophilaGLA SNDLAAVRPEIKAILQNRVIAVDQDELGIQGRRVLSRNQIEVWKRPIPTVTKSGHHSYA  349
               **** : .: * :*: : :*::* * * * . . : :*:*:*: :      *

humanGLA      VAMINRQEIGGPRSYTIAVASLGKGVACNP-ACFITQLLPVKRKLGFYEWTSRLRSHINP  409
mouseGLA      VAVRNLOEIGGPCPYTIQISSLGRGLACNP-GCIITQLLPEKVHLGFYEWTLTLKTRVNP  411
zebrafishGLA  VAVVNRQEIGGPRRFTISVAIMPSWKLCNP-KCNVTQILPTYKEMGVQNLLSEVVVQVNP  327
drosophilaGLA VAFVSRRDDGAPYRIPFTVKELG---LTNPKGYNVQDLYDASSKLGVFQSESQFITRVNP  406
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humanGLA      TGTVLLQLENTMQMSLKDLL  429
mouseGLA      SGTVLFRLER-----  421
zebrafishGLA  TGTTLT TVNPL-----  338
drosophilaGLA NGVT FYKFTAL-----  417
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