

CLUSTAL 2.0.3 multiple sequence alignment

Homo_sapie MAPPSEETPLIPQRSCSLSTEAGALHVLLPARGPGPP----QRLSFSFGDHLAEDLCVQ
Pan_troglo MAPPSEETPLIPQRSCSLSTEAGALHVLLPARGPGPP----QRLSFSFGDHLAEDLCVQ
Canis_fami MAPPSEETPLIPQRSCSLSSSEAGALHVLLPPRGPGPP----QRLSFSFGDHSAEELCVW
Mus_muscul MAPPSEETPLIPQRSCSLSSSEAGALHVLLPPRGPGPP----QRLSFSFGDYLAEDLCVR
Rattus_nor MAPPSEETPLISQRSCSLSSSEAGALHVLLPPRGPGPP----QRLSFSFGDYLAEDLCVR
Gallus_gal MAPLGEETPLIGERSCSLSSEPGTLQVYLYHRGPHAPPDSAATLTFTFGEYTAEELCVH
Danio_reri MSEEEVPLMKSERAGSQRSSCDSALQVHLYYSPSLNS---ETTFSIPTGHVTAESVCVL
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Homo_sapie AAKASGILPVYHSLFALATEDLSCWFPPSHIFSVEDASTQVLLYRIRFYFPNWFGLEK--
Pan_troglo AAKASGILPVYHSLFALATEDLSCWFPPSHIFSVEDASTQVLLYRIRFYFPNWFGLEK--
Canis_fami AAKASGILPVYHSLFALATEDLSCWFPPSHIFSMEDSGTQVLVYRLRFYFPNWFGLEK--
Mus_muscul AAKACGILPVYHSLFALATEDDFSCWFPPSHIFCIEDVDTQVLVYRLRFYFPDWFGLLET--
Rattus_nor AAKACGILPVYHSLFALATEDLSCWFPPSHIFSIEDVDTQVLVYRLRFYFPGWFGLET--
Gallus_gal AAKACGVLPICHPLFALATEDLSCWYPPNHLFTVEDARSQVVYRIRFFFFPNWCGQGQ--
Danio_reri AAKASGILPVYHNLFALASEDLSYWYPPNHLFKSEE--PVKVYYRVRFFFSSWFGQESRA
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Homo_sapie CHRFGRLKDLASAILDLPVLEHLFAQHRSDLVSGRLPVGLSLKEQGECLSLAVLDLARMA
Pan_troglo CHRFGRLKDLASAILDLPVLEHLFAQHRSDLVSGRLPMGLSLKEQGECLSLAVLDLARMA
Canis_fami CHRFGRLKDLASAILDLPVLEHLFAQHRNDLVSGRFSVGLSLKEQDEYLSLAVLDLARMA
Mus_muscul CHRFGRLKDLTSAILDHVLLEHLFAQHRSDLVSGRLPVGLSMKEQGEFLSLAVLDLAQMA
Rattus_nor CHRFGHLKDLTSAILDVHVLEHLFAQHRSDLVSGRLPVGLSLKDQGEFLSLAVLDLAQMA
Gallus_gal VHRFQLPSDRPSPVLDYVIDYLFQAQSRSDFIAGRMELALSLAGQEELSLAVLDMLRIA
Danio_reri SYRFSLSKGRIFAVLDYVIDYVFAQSRSDFVTGCGGISPALSLQGECLGLAVLDLWRLA
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Homo_sapie REQAQRPGELLKTVSYKACLPPSLRDLIQGLSFVTRRRIRRTVRRALRRVAACQADRHS
Pan_troglo REQAQRPGELLKTVSYKACLPPSLRDLIQGLSFVTRRRIRRTVRRALRRVAACQADRHS
Canis_fami REQAQQPEELLKTVSYKVCLPPDLRDLIQGLSFVTRKRIRRMVRRALRRVTACQADRHS
Mus_muscul REQAQRPGELLKTVSYKACLPPSLRDVIQGFVTRRRIRRTVVLRVRRVACQADRYAL
Rattus_nor RKQAQRPGELLKSVSYKACLPPSLRDLIQGFVTRRRIRRTVVQALRRVACQADRYAL
Gallus_gal KEKWQSPKEVFSCVSYKTCIPEQLRCQIQQHSFLTRKRIRRRVAQSLRRMGGCRVDGCCL
Danio_reri KERNQSLAEICNTTSYKSCLPETHRQDIQRMNRLARYQIRKTLKRFLKLGKCSAGERSL
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Homo_sapie MAKYIMDLERLDPAGAAETFHVGLPGAL--GGHDGLGLLRVAGDGGIAWTQGEQEVLPQF
Pan_troglo MAKYIMDLERLDPAGAAETFHVGLPGAL--GGHDGLGLLRVAGDGGIAWTQGEQEVLPQF
Canis_fami MAKYIMDLERLDPARAVETFLVSFPGAA--GGQDAQGLLRVAGDRGIAWSPGGQEQALQPF
Mus_muscul MAKYILDLERLHPAATTETFRVGLP-----GAQEPPGLLRVAGDNGISWSSGDQELFQTF
Rattus_nor MAKYILDLERLHPAATTESFLVGLP-----GAQEPPGCLRVTDNGIAWSSKDQELFQTF
Gallus_gal KLKYLDDLERLRCCWAEESFHAHGP-----DADIAIHVSTDSGVSWSVCGSESQHF
Danio_reri KLKYLMLKLELEPDYGSSEFPLHHSWLEQSEQQRVLAVKVS GEGGIQIQKTDREQEWQTF
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Homo_sapie CDFPEIVDISIKQAPRVGPAGEHRLVTVTRTDNQILEAEFPGLPEALS FVALVDGYFRLT
Pan_troglo CDFPEIVDISIKQAPRVGPAGEHRLVTVTRTDNQILEAEFPGLPEALS FVALVDGYFRLT
Canis_fami CDFPEIVDISIKQAPRAGPAGEHRLVTVTKTDKQILEAEFPGLPAALS FVALVDGYFRLT
Mus_muscul CDFPEIVDVS IKQAPRVGPAGEHRLVTVTRMDGHILEAEFPGLPEALS FVALVDGYFRLI
Rattus_nor CDFPEIVDVS IKQAPRVGPAGEHRLVTITRMDGHILEAEFPGLPEALS FVALVDGYFRLI
Gallus_gal CDFPDIADVSIKQASRDGGPVENRIVTLTKTDNRVLEVEFPTLREALSFMALVDGYFRLT
Danio_reri CDFPQIIDISIKRLCQEOMPLEGRVVTLTRQDDQCMEAEFQTLTDALS FVSLVDGYFRLT
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