

CLUSTAL 2.1 MULTIPLE SEQUENCE ALIGNMENT

File: /media/morpheus/disk1/fst/pep_msa/TTCB3a.pps Tue Feb 1 14:48:54 2022

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		*****: *****:..*:* ** :***: ..:	
Pavo_muticus	-----	MASFGWKRKIGEKVSRATSQQFEAEAADEEG-PGGDEDED	39
Pavo_cristatus	-----	MASFGWKRKIGEKVSRATSQQFEAEAADEEG-PGGDEDED	39
Gallus_gallus	-----	MASFGWKRKIGEKVSRATSQQFEAEAADEKG-PGGDEDED	39
Anas_platyrhynchos	-----	MASFGWKRKIGEKVSRATSRQFEADAADDRGLPEEEEDDG	40
Chelonia_mydas	MLLFRAEWGRNLQPAPMFFR	MASFGWKRKIGEKVSKATSQQFEAEAAADKKG-LVDNDDVD	59
Mus_musculus	-----	MASFGWKRRIGEKVS KATSQQFEAEAADEKD-AAENEDGN	39
Rattus_norvegicus	-----	MASFGWKRKIGEKVSKATSQQFEAEAADEKG-AAESDGN	39
Homo_sapiens	-----	MASFGWKRKIGEKVSKVTSQQFEAEAADEKD-VVDNDEGN	39
Pan_troglodytes	-----	MASFGWKRKIGEKVSKVTSQQFEAEAADEKD-VVDNDEGN	39
Macaca_mulatta	-----	MASFGWKRKIGEKVSKVTSQQFEAEAADEKD-VVDNDEGN	39
Callithrix_jacchus	-----	MASFGWKRKIGEKVSKVTSQQFEAEAADEKD-VVNDEGN	39
Bos_taurus	-----	MASFGWKRKIGEKVSKVTSQQFEAEAADEKD-AVGKDEGN	39
Equus_caballus	-----	MASFGWKRKIGEKVSKATSQQFEAEAADEKD-VAENDEGT	39
Canis_lupus_familiaris	-----	MASFGWKRKIGEKVSKVTSKQFEAEAADEKD-VAENEEN	39
Rhinatrema_bivittatum	-----	MASFGWKRKAGEKVS KTVSQQFEADAADEGL-IDSEE	38
Xenopus_tropicalis	-----	MASFGWKRKIGEKVSKAVSQHFEEAADESV-VLDSHEVD	39
	1.....10.....20.....30.....40.....50.....60		

	WVHATKRRKEVLLLEDCTIKKSKQLKDEGASLAENR	RYREATQKWDEALQLTPEDATL	
Pavo_muticus	WVHATKRRKEVLLLEDCTIKKSKQLKDEGASLAENR	RYREATQKWDEALQLTPEDATL	95
Pavo_cristatus	WVHATKRRKEVLLLEDCTIKKSKQLKDEGASLAENR	RYREATQKWDEALQLTPEDATL	95
Gallus_gallus	WVHASKRRKEVLLLEDVVKSKRLKDEGASLAENR	RYREATQKWDEALQLTPEDATL	95
Anas_platyrhynchos	CVPAKKRRKEVGRGGSAEQSRRLKDEGASLAENR	RYREATQKWDEALQLTPEDATL	96
Chelonia_mydas	WLHATKRRKEITLLEDCLIEKSKQLKDEGARLAENR	RYWEAVHKWDEALQLTPEDAAL	115
Mus_musculus	WLQASKRRKETLQEGCKORSQOLKDEGAQLAENK	RYKEATQKWDEALQLTPGDATL	95
Rattus_norvegicus	WLHASKRRKETLQEGCKORSQOLKDEGAHLAENK	RYQEAIRKWDEALQLTPEDATL	95
Homo_sapiens	WLHATKRRKETILLEGCAEKSQOLKDEGASLAENK	RYREATQKWDEALQLTPNDATL	95
Pan_troglodytes	WLHATKRRKETILLEGCAEKSQOLKDEGASLAENK	RYREATQKWDEALQLTPNDATL	95
Macaca_mulatta	WLHATKRRKETILLEGCAEKSQOLKDEGASLAENK	RYREATQKWDEALQLTPNDATL	95
Callithrix_jacchus	WLHATKRRKETILLEGCAEKSQOLKDEGASLAENKRTWRRYREATQKWDEALQLTPNDATL		98
Bos_taurus	WLHAVKRRKESLLEGCAEKSQOLKDEGATLAENK	RYREATQKWDEALQLTPNDATL	95
Equus_caballus	WLHATKRRKETILLEGCAEKSQOLKDEGANLAENK	RYREATQKWDEALQFTPNDAAL	95
Canis_lupus_familiaris	WLHATKRRKETILLEGCAEKSQOLKDEGASLAENK	RYREATQKWDEALQLTPDDATL	95
Rhinatrema_bivittatum	WLHSIKRKKETILLEDNTILSKRLKEEGTCLAENG	RYWEATHKWDEALHLLTPEDATL	94
Xenopus_tropicalis	WLHAIKRRKGILLLEDNTIARSKRLKEEGSLAEDG	RHKEALTKWDEALQLTPEDAAL	95
70.....80.....90.....100.....110.....120		

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Pavo_muticus	YEMKSOVLMSLHEMFPAVHAAEMAVORNPRSWDAWOTLGRAQLGLGEITALAIRSFOVSLH	155
Pavo_cristatus	YEMKSOVLMSLHEMFPAVHAAEMAVORNPRSWDAWOTLGRAQLGLGEITALAIRSFOVSLH	155
Gallus_gallus	YEMKSOVLMSLHEMFPAVHAAEMAVORNPRSWDAWOTLGRAQLGLGEITALAIRSFOVSLH	155
Anas_platyrhynchos	YEMKSOVLMSLHEMFPAVHAAEMAVORNPHSWDAWOTLGRAQLGLGEITALAIRSFOVSLH	156
Chelonia_mydas	YEMKSOVLMLHHEMFPAVHAAEMAIQRNPHSWEAWOTLGRAQLGLGEIGLAIRSFOVALH	175
Mus_musculus	YEMKSOVLLSLHEMFPAVHAAEMAVKRNPHSWEAWOTLGRAQLGLGEIVLAIRSFOIALH	155
Rattus_norvegicus	YEMKSOVLMSLHEMFPAVHAAEMAVKRNPHSWESWOTLGRAQLGLGEIVLAIRSFOVALH	155
Homo_sapiens	YEMKSOVLMSLHEMFPAVHAAEMAVQONPHSWESWOTLGRAQLGLGEIILAIRSFOVALH	155
Pan_troglodytes	YEMKSOVLMSLHEMFPAVHAAEMAVORNPHSWESWOTLGRAQLGLGEIILAIRSFOVALH	155
Macaca_mulatta	YEMKSOVLMSLHEMFPAVHAAEMAVORNPHSWESWOTLGRAQLGLGEIILAIRSFOVALH	155
Callithrix_jacchus	YEMKSOVLMSLHEMFPAVHAAEMAVORNPHSWESWOTLGRAQLGLGEIILAIRSFOVALH	158
Bos_taurus	YEMKSOVLMSLHEMFPAVHAAEMAVORNPHSWESWOTLGRAQLGLGEIVLAIRSFOVALH	155
Equus_caballus	YEMKSOVLMSLHEMFPAVHAAEMAVORNPHSWESWOTLGRAQLGLGEIVLAIRSFOVALH	155
Canis_lupus_familiaris	YEMKSOVLMSLHEMFPAVHAAEMAVORNPHSWESWOTLGRAQLGLGEIVLAIRSFOVALH	155
Rhinatrema_bivittatum	YEMKSOVLITLHEVFPAVQTAEAVORNPHYWEAWOTLGRAQLGLGEITLAIRSFOVALH	154
Xenopus_tropicalis	YEMKAOVLMGVHEIFPAVQAAETAVORNPRFWEAWOTLGRAQLGLGEITMAIRSFOIGLH	155
130.....140.....150.....160.....170.....180	

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AAIAAEKEKALSEAKTVVIVSASGTVETVTEKENCTSTPDESIFIRAR--- 261
AAIAAEKEKALSEAKTVVIVSASGTVETVTEKENCTSTPDESIFIRAR--- 261
AAIAAEKEKALSEAKTVVIVSASGTVETVTEKENCTSTPDESIVFIRAR--- 261
AAIAAEKEKALSAAKTVVIVSASGTVETVTEKENCTTTPDETFLIRAR--- 262
AAIAAEKEKTVSATKTMVIVSASGTVETVTEKEECSTTPDDTVFIRAR--- 282
AAVAEOKQSVSANKTMVIVSASGTVETVNEKEEGSSTPDGSVFIKAR--- 262
AAVAEOKQSASANKTMVIVSASGTVETVNEKEEGSSAPDGSVFIKAR--- 262
AAIAAEKEKTVSANKTMVIVSASGAIVTVTEKEDGATPPDGSVFIKAR--- 262
AAIAAEKEKTVSANKTMVIVSASGAIVTVTEKEDGATPPDGSVFIKAR--- 262
AAIAAEKEKTVSANKTMVIVSASGAVETVTEKEDGATPPDGSVFIKAR--- 262
AAIAAEKEKTVSANKTMVIVSASGAVETVTEKEDGATPPDGSVFIKAR--- 265
AAIAAEKQKTVAANKTMVIVSASGTVETVTEKEDGAAPPDASVFIKAR--- 262
AAIAAEKQKTIISANKTMVIVSASGTVETVTEKEDGAAPPDGSVFIKAR--- 262
AAIAAEKQKTVPAANKTMVIVSASGTVETVTEKEDGATPPDGSVFIKAR--- 262
AAIAOQKEK--MAATDKIVIVSASGTVETVIAEKKENATTPDDKMFVKARGFY 263
DAISORHKMAAANK--AIVVSASGSDPAVRKEENMETINDSKEFIKAR--- 259

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