

CLUSTAL X (1.83) MULTIPLE SEQUENCE ALIGNMENT

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                .:*.*.*.*:*.*. . . . .      . : .
1phr_A  ---VTKSVLFVCLGNICRSPIAEAVFRKL-----VTDQNISDNNWVIDSGAVSDW-----NVGRSPDPRAVSCLRNHGINTA-HKARQVTK-----EDFVTFDYILCMDE--SNLRDLNRKSNQVKNCR-----AKIELL 113
1z12_A  AEQVTKSVLFVCLGNICRSPIAEAVFRKL-----VTDQNISDNNWVIDSGAVSDW-----NVGRSPDPRAVSCLRNHGINTA-HKARQVTK-----EDFVTFDYILCMDE--SNLRDLNRKSNQVKNCR-----AKIELL 116
1z13_A  AEQVTKSVLFVCLGNICRSPIAEAVFRKL-----VTDQNISDNNWVIDSGAVSDW-----NVGRSPDPRAVSCLRNHGINTA-HKARQVTK-----EDFVTFDYILCMDE--SNLRDLNRKSNQVKNCR-----AKIELL 116
1pnt_A  AEQVTKSVLFVCLGNICRSPIAEAVFRKL-----VTDQNISDNNWVIDSGAVSDW-----NVGRSPDPRAVSCLRNHGINTA-HKARQVTK-----EDFVTFDYILCMDE--SNLRDLNRKSNQVKNCR-----AKIELL 116
1xww_A  AEQATKSVLFVCLGNICRSPIAEAVFRKL-----VTDQNISENNWVIDSGAVSDW-----NVGRSPDPRAVSCLRNHGINTA-HKARQITK-----EDFATFDYILCMDE--SNLRDLNRKSNQVKTCK-----AKIELL 116
2p4u_A  ---SKSVLFVCLGNICRSPIAEAVFRKL-----VTDKVISDNWAIDSSAVSDW-----NVGRPPDPRAVSCLRNHGINTA-HKARQITK-----EDFATFDYILCMDE--SNLRDLNRKSNQVKNCK-----AKIELL 112
5pnt_A  AEQATKSVLFVCLGNICRSPIAEAVFRKL-----VTDQNISENNWVIDSAATSSGY-----EIGNPPDYRQQSCMKRHGIPMS-HVARQITK-----EDFATFDYILCMDE--SNLRDLNRKSNQVKTCK-----AKIELL 116
1p8a_A  -AAEKKAVLFVCLGNICRSPACEGICCRDM-----VGDK-----LIIDSAAATSGF-----HVGQSPDTRRSQVCKSSNGVDISKQRARQITK-----ADFSKFDVIAALDC-----SLSSDIN---SMKSNCR-----AKVVLF 109
3fdf_A  ---SKLAVAVVCSSNMNRSMEAHNFLAKKGFNVRSYGTGERVKLPGMAFDKNVYEFGTKYEDIYRDLESKDKEFYTQNGLLHMLDNRNRRIKKCPERFQDTKEQFDLIIVVEERVYDLVVMHMESVDNRPVHVLVVDVVDNAEDALM 147
ruler  1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

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1phr_A  GSYDPKQLIIEDPYYGNDADFETVYQQCVRCCRAFLEKVR--- 154
1z12_A  GSYDPKQLIIEDPYYGNDADFETVYQQCVRCCRAFLEKVR--- 157
1z13_A  GSYDPKQLIIEDPYYGNDADFETVYQQCVRCCRAFLEKVR--- 157
1pnt_A  GSYDPKQLIIEDPYYGNDADFETVYQQCVRCCRAFLEKVR--- 157
1xww_A  GSYDPKQLIIEDPYYGNDSDFETVYQQCVRCCRAFLEKAH--- 157
2p4u_A  GSYDPKQLIIEDPYYGNDSDFETVYQQCVRCCRAFLEKTY--- 153
5pnt_A  GSYDPKQLIIEDPYYGNDSDFETVYQQCVRCCRAFLEKAH--- 157
1p8a_A  NPPNG-----VDDPYSSDG-FPMFASISKEMPFLTEHGLI--- 146
3fdf_A  GAFVITDMINMAKSTDLDLDNIDELIDIEFEERRKRVILHSVLFVY 191
ruler  .....160.....170.....180.....190.....

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