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126353193	<i>C. maquilingensis</i>	4	VRGTYYKVTGIEYE---FNNVVKLRLEEGSL-ITVEEPAI---INKFKQGDVSLISSSS	2	ENYKGNWVYMMGMVY	0	LGEMFMRIISGGLIHLLEGNVS----SRPNLGDKIYVGLK	111
119719267	<i>T. pendens</i>	27	RLMRGVRSVGRGLYALVERVGIAGDGE---VEVEIPVRAGLGRGREGVVEFEARE	0	AGSIDEWVSVMQGEVYL	2	EGESAVYASIGGLQLVVKSPIYI---NEFNVGDKVYFKLA	141
145592327	<i>P. arsenaticum</i>	1	MEFFPLRVVEISDG---LPNVIKLRDGE---VTVELPLEKIGVKRVRGQVKVIRHKE	1	DSDLTKYKIYAMGVYVF	0	VGKDMTRISIGGLQLDIGTE-----LPLKVGKEKVIYIGLI	104
18313112	<i>P. aerophilum</i>	1	MEFSLAVVDVIND---MPNVIKLRGDGE---ATTELPLEKLGVSFVGDRKLVLQKE	1	DQDLNKKYKYAMGIVYY	0	VGNMTRISIGGLQLDIMKE-----LPLKAGEKIYVIGLI	104
119872466	<i>P. islandicum</i>	1	MEFLLKVEEISND---FPNTIKLRGDGE---ITTELPLNLLGKLSKGENVKLVQQE	1	DKELHKYKYAMGIVYY	0	VGNMTRISIGGLQLDIMKE-----LPLKVGKEKVIYIGLI	104
126459669	<i>P. calidifontis</i>	1	MEFSLVVDVITSD---FPNVIKLRGDGE---ATTELPLEKLGVSFVGDRKLVLQKE	1	DGDLNKKYKYAMGIVYY	0	VAEELTRISIGGLQLDIKKK-----LPLAIGKEKVIYIGLI	104
118431688	<i>A. pernix</i>	3	KKLDLKTESMEPGK---LQGLIATAKFKK---ATVMEVDIKDLVPLSEGDRIVLEVLE	1	PKSLDKYVFCGKGKVP	1	EKSGVDILSVGGILFVFEPPQ-----TELELKKYKYVCIS	109
124027356	<i>H. butylicus</i>	7	VAFEGTVVSVPEPL---IPKLYVTRIKNNGE---YEVEMDTHSELIVFEGDNVLVEISRS	1	PEYRDGVDFVGRGTUVS	4	GETYAALISVGGILFTIIRSRKE---LDLAPVEKVIYVKA	120
15897220	<i>S. solfataricus</i>	9	LILSCEINSTERGS---LKNLSMVNMSNG---FNVSEDIIDSINIFSQKEKVKVILSKN	1	PSYSHD-DFCGHGYIVT	9	GNKYTTIISVGGILVVKIISNKESEFLRTSQLNIMDHVYFCVK	129
70606468	<i>S. acidocaldarius</i>	5	MQGTCKISSIEKGA---LKNLYVVKMDNDND---LKIEFDITKELSIKSGDEEVTFTISRE	1	FEYSEK-DFCAHGYLFL	5	DGGSFIDEISVGGILVVKILSKNGLI-NSLKFMMMDHVYFCVK	121
15920524	<i>S. tokodaii</i>	9	VETTCITISIDKGS---LKGILTIKMDGI---YQVEDILESINIFKQGENVSMITISRE	1	PVYTSN-DFCAHGYLFY	4	GNKILDQISVGGILVVKIYSEKGLI-GNSLKFMMMDHVYFCVK	123
126465807	<i>S. marinus</i>	6	VSYECKVRSIEPLR---YIGMYRAISDSDS---VEITLEMNEKLMKISEGDDLVINISTE	0	KKECIQHFCGKGHVVS	4	DNTYRVVVISVGGILVVKIMKEQPK---SPFKVMNELYIGVS	118
146305016	<i>M. sedula</i>	7	FSEMCKIDSIKKGE---LRDLLIVAVRQD---TEFNLMISSILMFKDGENNVNVLISKE	0	RPFDTKDFCAHGYVVT	5	DGTFVTIISVGGILVVKISSKDDFL-KRAGLNVMMDHVYFCVK	122
156937953	<i>I. hospitalis</i>	11	MECSGVVDITQKKG---IPYTNILVFEEDD---KKVEMLLHEDLITFVKGAAAREVVESE	1	PQFKQGVDFCGRGVLVR	0	DDGDKKFLSVGGILVVKLHNHFQ-----KFKENVKYIYICLM	107
154422638	<i>T. vaginalis</i>	11	YLSKVRLLSSVSRDP---IFDINILSFEILDRS---EATLEFPFKGLIDKEGMDADITIGEE	0	---GEGDIIMKGIVYK	2	SSRTIETISVGGILVVKLTKYSKAAP---FKLSQGEVYVLTIK	119
71075425	<i>G. lamblia</i>	4	LTNKFRCTAVDPDGKQ---FDDVSRIKATDEGD---YBLVDLYNCFYELIKQDQLFQNLNSTQ	20	STLAASYEYIMHGKVVN	6	TNARTVYVSVGGILVVKLMSLTGDRNTI---AGIQRGKEVYLLIS	142
84999542	<i>T. annulata</i>	4	YSSRFSTIASGFPECVKYDNIIGRVLLLETDPPDVFILTDYNCLYPKLNKNSQLISSIS	21	HDAYPDLLYAMHGTVEE	4	GDKVDMTISVGGILVVKLQAPAFRL---ERKFKGMKLYLLCC	147
146091778	<i>L. infantum</i>	8	FEDRFLVRSIDNSK---FERVSRLSAKTGFED---AELLIDVNSDILQVYNQVLIHLLITNS	16	PSLLGDYEVYAMYKIFK	5	SETRTIYASVGGILVVKLMSLTADKQV---ADLDLDMKIYLLVR	139
118345758	<i>T. thermophila</i>	8	LEDFTTVGVNTEGTV---YLRVSRIRCVQDGS---LTITTDINEEFPVSTNDRLLITVLANS	19	ETRLNDCCYAMHGRVYG	6	GLEVNVHISVGGILVVKLVGKPGQL---RDVHYNSDVYLLIK	145
145527078	<i>P. tetraurelia</i>	8	EDRFKLEIKKEEK---FSKVERVVLVNDNN---IKIEIDHTDLSYMKGNQYVMMITSS	18	ESIKDKFEYVMHGKIYN	6	AKTVSIFASVGGILVVKLVSGKDEDL---KNFNVDVSRVYLLIR	142
66362188	<i>C. parvum</i>	9	DEYFVKVEDIQAGQS---FKRVSRICKCKSGE---VMLELDVNDIYYPDKGSGVRLVTR	20	NELLEKFEYAMFGRVFK	5	NKMINVFASVGGILVVKLKGKSEEL---DKFADQKRVYLLMR	146
124805803	<i>P. falciparum</i>	8	FEDRFVINSVDSGK---FDRIGRIGRVRGVFD---ADLILIDNNELPVREKESLYITGLSSQ	15	QTLMDQYDYVMYKGIYR	5	SDRRSLYASVGGILVVKLMSLTADKNLV---GDFSLDMRLYCLVR	138
133340	<i>S. cerevisiae</i>	7	FEDRFVINSVDSGK---FEKVSRIKAKTGYD---ABELIIDVHSELFKVEEKKATYIALQDK	14	NVPLNNIEYIMSGRIFK	5	SERRTVYASVGGILVVKLMSLTADKQFI---GDLEIDMKIYLLTK	136
108712076	<i>O. sativa</i>	6	DDIDFQVSEVDGPK---FNKVSRIEAAATQDQCKLTIDINVELFPVAAQDSLTVTTASS	24	RSIADDDYVMYGTAYK	5	KDLIAVYVSVGGILVVKLMSLTADKQFI---GDLEIDMKIYLLTK	145
28466897	<i>A. thaliana</i>	6	FEDIDFVTRLDPDGKK---FDRVSRIEARQDQED---MYMQLDVATDVYPMHPGDRFTMVLVPT	17	KTIALDKYEVYIMHGKLYK	11	AKKVMYVSVGGILVVKLMSLTADKQFI---GDLEIDMKIYLLTK	146
66816149	<i>D. discoideum</i>	8	FEDIDFVTRLDPDGKK---FDRVSRIEARQDQED---MYMQLDVATDVYPMHPGDRFTMVLVPT	17	KTIALDKYEVYIMHGKLYK	11	AKKVMYVSVGGILVVKLMSLTADKQFI---GDLEIDMKIYLLTK	146
2833302	<i>C. elegans</i>	6	FEDIDFVTRLDPDGKK---FDRVSRIEARQDQED---MYMQLDVATDVYPMHPGDRFTMVLVPT	17	KTIALDKYEVYIMHGKLYK	11	AKKVMYVSVGGILVVKLMSLTADKQFI---GDLEIDMKIYLLTK	146
21358365	<i>D. melanogaster</i>	6	FEDIDFVTRLDPDGKK---FDRVSRIEARQDQED---MYMQLDVATDVYPMHPGDRFTMVLVPT	17	KTIALDKYEVYIMHGKLYK	11	AKKVMYVSVGGILVVKLMSLTADKQFI---GDLEIDMKIYLLTK	146
99032143	<i>pdb:2F3I (H. sapiens)</i>	6	FEDIDFVTRLDPDGKK---FDRVSRIEARQDQED---MYMQLDVATDVYPMHPGDRFTMVLVPT	17	KTIALDKYEVYIMHGKLYK	11	AKKVMYVSVGGILVVKLMSLTADKQFI---GDLEIDMKIYLLTK	146
consensus/95%			h...h.h.hp.....h.h.hh.....s.....h.h.h.....h.h.....h.h.....p.....p.hhh.G.hh.....hShhGh.h.h.....h.....p.hhhhh					
Secondary str. (pdb:2F3I)			EEEEEEEEEE	EEEEEEEEEE	EEEEEEEEEE	EEEEEEEEEE	EEEEEEEEEE	EEEEEEEEEE
PSIPRED Secondary str.			EEEEEEEEEE	EEEEEEEEEE	EEEEEEEEEE	EEEEEEEEEE	EEEEEEEEEE	EEEEEEEEEE

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