

YfiN PAS domain

PA01 YfiN	SYTVEAAVVEGDAQAAEESLALIASSEEVSSAIVYDRQGQTLASWHRESTGPLHL-----	115
<i>opitutis</i>	AINSTAALAFDNPEAAAEILGALRAEPDVAAAVIYTSTGVSFARYP--AKLSAED-----	106
<i>acidobacter</i>	AANSVSALEFNDPESARQTLRALAASPVEGAGLLTPDGQLFAEYWRSDVVRVNV-----	108
<i>rhodothermus</i>	TEHSVAPLVEQDAQAASEVLEGVRSIPAVQIAALYTADGRLFAWYLG--GLPATA-----	108
<i>desulphobacterium</i>	GDNSTAALLFQDDEALENNLHSLAQKTSILTSAIYRADGARVASFSRGGHQQISP-----	111
<i>geobacter</i>	GANSASALVEFDPEAQRITIAPLASKRSILAVYVLTSEGQIMARHVAPEAGNAELPLERL	120
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PA01 YfiR	IFSIVRWPKEPAV-----LQLCVVGPTEYADGLLRGMVQANGRRVHAERRAVDNPDLGTL	109
<i>opitutis</i>	FARFVEWPRDVAAQ-ADEVVIGVLGADPFGLYLDEVLRGQKVNHALVVKRYGSVAEIDR	115
<i>acidobacteria</i>	FGAFVQWPASVAP--SDDFSICVLGRDGFSGVLDSTINGESIEGKKLVALRVNSVREAAQ	117
<i>geobacter</i>	MSKYIEWPAEAFPRGTGAPLQICSVGRPFAAALEQYQ-GKTVLGHQLSLRRLAVGDEPAE	105
<i>rhodothermus</i>	FAQFSTWPEEALGDAATPIRLCILGKDPFGSALEQLQ-GKTVHNRPLEIRHLPVGASARG	102
<i>desulphobacterium</i>	FAFKIKWPGPTFIHEKSPLLIGVMGDDSFADKLGPLT-SRTVNRNPFIEIKKLKTSKQAQT	112
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PA01 YfiR	CNVIYLGVVDERERQQVFRSLAGHPVLSISERGTECSVSGSMFCLNVGGPFIITFEANLDSI	169
<i>opitutis</i>	CHVLFMSGSEGERAEPILOALRTRPILTVCDTNAFARHGAMIHLVMDQQFVRLRINLDAA	175
<i>acidobacteria</i>	CRILYISNSEESRLRGILVELAKAPVLTVSDIPHADRGGMIEFTLQSGFVRFQVNVTRA	177
<i>geobacter</i>	CHVLVVSQVEKRYLAGVLDQARRDALTVGDIPDFARFGGIIGFVENEQFVRFVINLKAA	165
<i>rhodothermus</i>	CHLVFMGPMKQVQLQTSLKQLQNPVLTVGEGEDFLKQGGMVRLVEEKNFIQFEINITAA	162
<i>desulphobacterium</i>	CHMVYINTSSSAELSNILEQLKARPIITVGDNNKFAAQGGIIQFIKIRDFLRFIINLDAA	172
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PA01 YfiR	ARSGVRVHPSVLKLAARRQATP----	190
<i>opitutis</i>	RQAGLVISSKLLFTAEIVTDSEGMR	200
<i>acidobacteria</i>	ERAGLTLSSQLLKVAANVKHDEARD	202
<i>geobacter</i>	QQSRVRISSQLLKLAKLIREGDQ--	188
<i>rhodothermus</i>	RRAGLQLSARLLFLARIYEEAG---	184
<i>desulphobacterium</i>	KINQVQIDAQLLSLATELLETKE--	195
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