

logo

NTDB id 320 STU RS10340 WP 002949220.1	MEQEVFVKAYEKVRPIVLKAFRQYFIQLWDQ	31
NTDB id 47 STER RS00925 WP 002949220.1	MEQEVFVKAYEKVRPIVLKAFRQYFIQLWDQ	31
NTDB id 468 HSISS4 RS00725 WP 021143466.1	MEQEVFVHAYEVVRPIVLKASRQYFIQLWDQ	31
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	MEQEVFVHAYEVVRPIVLKASRQYFIQLWDL	31
NTDB id 582 DLJ51 RS00505 WP 002962720.1	MDKEKLKEIFNKHSAALPEEVEEFDDGMVKEVITAGLLFCLKEV....LDMDDSSSFVSAF.....SRVEKTVSKLAKDYYIKLWTY	76
NTDB id 457 SSUD9 RS00080 WP 002936602.1	MEFEKYYASVKGIVNKAARKEFYIKLWDR	28
NTDB id 461 GPW51 RS00080 WP 011921639.1	MEFEKYYASVKGIVNKAARKEFYIKLWDR	28
NTDB id 454 SSU RS00080 WP 011921639.1	MEFEKYYASVKGIVNKAARKEFYIKLWDR	28
NTDB id 424 SGO RS10430 WP 012130755.1	MKFEDVYKQVEGIVKRCYKDYYLHLWEY	28
NTDB id 423 SGO RS08370 WP 012130755.1	MKFEDVYKQVEGIVKRCYKDYYLHLWEY	28
NTDB id 141 SP RS10155 WP 000588925.1	MIKELYBEVQCTVYKCRNEYYLHLWEL	27
NTDB id 140 SP RS00070 WP 000588925.1	MIKELYBEVQCTVYKCRNEYYLHLWEL	27
NTDB id 252 KZH43 RS09050 WP 000588897.1	MIKELYEEVQCTVYKCRNEYYLHLWEL	27
NTDB id 251 KZH43 RS09050 WP 000588897.1	MIKELYBEVQCTVYKCRNEYYLHLWEL	27
NTDB id 211 SPD RS09675 WP 000588897.1	MIKELYBEVQCTVYKCRNEYYLHLWEL	27
NTDB id 210 SPD RS00065 WP 000588897.1	MIKELYEEVQCTVYKCRNEYYLHLWEL	27
NTDB id 177 SPR RS09210 WP 000588897.1	MIKELYBEVQCTVYKCRNEYYLHLWEL	27
NTDB id 176 SPR RS00065 WP 000588897.1	MIKELYEEVQCTVYKCRNEYYLHLWEL	27
NTDB id 489 SM12261 RS01070 WP 000471940.1	MFKELYBEVQGIVYKCRNEYYLHLWEL	27
NTDB id 488 SM12261 RS00065 WP 000471939.1	MFKELYBEVQGIVYKCRNEYYLHLWEL	27
NTDB id 517 SMSK321 RS10700 WP 000471945.1	MFKELYKEVQGIVYKSRNEYYLHLWEL	27
NTDB id 516 SMSK321 RS09125 WP 000471944.1	MFKELYKEVQGIVYKSRNEYYLHLWEL	27
NTDB id 554 STRINF RS00370 WP 115283725.1	MDFERYFQTVKPIILKLRHHYFVKLWDY	28
NTDB id 44 SMU RS09085 WP 002263585.1	MEEDFEIVFNKVKPIVWKLSRYFIKMWTR	30
NTDB id 1138822 DQM52 RS01725 WP 003057148.1	MSLETGEVFEKVKPIILKLRHHYYQLWET	30
NTDB id 450 SPYM18 RS08475 WP 011018214.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF.....FEKVKPIILKLRHHYYIQLWDR	52
NTDB id 449 SPYM18 RS01395 WP 011018214.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF.....FEKVKPIILKLRHHYYIQLWDR	52
NTDB id 442 SPYM3 RS08515 WP 011106595.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF.....FEKVKPIILKLRHHYYIQLWDR	52
NTDB id 441 SPYM3 RS01385 WP 011106595.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF.....FEKVKPIILKLRHHYYIQLWDR	52
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF.....FEKVKPIILKLRHHYYIQLWDR	52
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF.....FEKVKPIILKLRHHYYIQLWDR	52
consensus	* *** ! *** * **** * ! *	

logo

NTDB id 320 STU RS10340 WP 002949220.1	ADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRINDEVRRQESVQRQANRQCQYVEISDIAFCIPNKEL.DMVD	110
NTDB id 47 STER RS00925 WP 002949220.1	ADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRINDEVRRQESVQRQANRQCQYVEISDIAFCIPNKEL.DMVD	110
NTDB id 468 HSISS4 RS00725 WP 021143466.1	ADMEQEAMMTLYQLLEKFPPELKSDDDKLRRYFKTKFRNRINDEVRRQESVQRQANRQCQYVEISDIAFCIPNKEL.DAVDR	110
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	ADMEQEAMMTLYQLLEKFPPELKSDDDKLRRYFKTKFRNRINDEVRRQESVQRQANRQCQYVEISDIAFCIPNKEL.DAVDR	110
NTDB id 582 DLJ51 RS00505 WP 002962720.1	DDWRQEARTILYQLLERFPDLANDEEKLRITYFKTKFRSYVLDNIRKQESQKRAFDRMIYEEISELGHMTPSQQM.DTADY	155
NTDB id 457 SSUD9 RS00080 WP 002936602.1	DDWEQEGMMTLFELLEAQPWLVDEQVQLYCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIHELISHAIQSPGL.INDEL	107
NTDB id 461 GPW51 RS00080 WP 011921639.1	DDWEQEGMMTLFELLEAQPWLVDEQVQLYCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIYELSHAIQSPGL.INDEL	107
NTDB id 454 SSU RS00080 WP 011921639.1	DDWEQEGMMTLFELLEAQPWLVDEQVQLYCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIYELSHAIQSPGL.INDEL	107
NTDB id 424 SGO RS10430 WP 012130755.1	ADWRQEGMVLVLYELLKSHPNLLEDQPRLRYRYFKTKFRNRIRHDLIRKQESQKRKLDRQPVEEVSEIGHRIIRMKEL.YLDEL	107
NTDB id 423 SGO RS08370 WP 012130755.1	ADWRQEGMVLVLYELLKSHPNLLEDQPRLRYRYFKTKFRNRIRHDLIRKQESQKRKLDRQPVEEVSEIGHRIIRMKEL.YLDEL	107
NTDB id 141 SP RS10155 WP 000588925.1	SDWEQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDDY	106
NTDB id 140 SP RS00070 WP 000588925.1	SDWEQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDDY	106
NTDB id 252 KZH43 RS09050 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDDY	106
NTDB id 251 KZH43 RS09050 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDDY	106
NTDB id 211 SPD RS09675 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDDY	106
NTDB id 210 SPD RS00065 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDDY	106
NTDB id 177 SPR RS09210 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDDY	106
NTDB id 176 SPR RS00065 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDDY	106
NTDB id 489 SM12261 RS01070 WP 000471940.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDHIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDEY	106
NTDB id 488 SM12261 RS00065 WP 000471939.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDEY	106
NTDB id 517 SMSK321 RS10700 WP 000471945.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDEY	106
NTDB id 516 SMSK321 RS09125 WP 000471944.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGL.WLDEY	106
NTDB id 554 STRINF RS00370 WP 115283725.1	EDWIQEGRIVFFQLLEEHPDLINNEGKCYSYFKTKFSNVHVKDIIIRHQESFKRKFRNMPYEEISDISHCVPQVFFFEVEDY	108
NTDB id 44 SMU RS09085 WP 002263585.1	EDWQEGMILHLHQLLREHPELEEDDTKLYIYFKTRFSNYIKDVLRRQESQKRFRNRMSEYEEVGEIEHCLSSGCM.QLDEY	109
NTDB id 1138822 DQM52 RS01725 WP 003057148.1	DDWLQEGHVLVVKLLERHPPELVGDEARLYRYFKTKFSSYLKDVLRQESQKRQFHKMAYEEIGDVAHAIPAGGL.WLDDY	109
NTDB id 450 SPYM18 RS08475 WP 011018214.1	DDWLQEGHIIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDDY	131
NTDB id 449 SPYM18 RS01395 WP 011018214.1	DDWLQEGHIIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDDY	131
NTDB id 442 SPYM3 RS08515 WP 011106595.1	DDWLQEGHIIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDDY	131
NTDB id 441 SPYM3 RS01385 WP 011106595.1	DDWLQEGHIIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDDY	131
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	DDWLQEGHIIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDDY	131
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	DDWLQEGHIIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDDY	131
consensus	!***!*** * *!* * **** * ****!***!*** *!***!!*!*** * * * * *	

logo

NTDB id 320 STU RS10340 WP 002949220.1	YLFHETLRDYNKLSKEKEELERLRERFRPQRYRLRIVFKEFRLRTH	165
NTDB id 47 STER RS00925 WP 002949220.1	LAYDEQLNAFREQLSSEDSLKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 468 HSISS4 RS00725 WP 021143466.1	LAYDEQLNAFREQLSSEDSLKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	LVYDEQLNAFRNQLSSEDA TKLDRLLAGECFRGRKKMIRELRFWMVDFDPYNEDD	165
NTDB id 582 DLJ51 RS00505 WP 002962720.1	LVYDEQLNAFRNQLSSEDA TKLDRLLAGECFRGRKKMIRELRFWMVDFDPYNEDD	165
NTDB id 457 SSUD9 RS00080 WP 002936602.1	CALKEKLEKELKQKLAPEDYAKILLLMRGGAFFKGRSAFIKDKVEFEDFDEDN...	207
NTDB id 461 GPW51 RS00080 WP 011921639.1	LMRLGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR.....	156
NTDB id 454 SSU RS00080 WP 011921639.1	LMRLGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR.....	156
NTDB id 424 SGO RS10430 WP 012130755.1	LMRLGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR.....	156
NTDB id 423 SGO RS08370 WP 012130755.1	VAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMLKDL SYHLRDFNPRLD..	160
NTDB id 141 SP RS10155 WP 000588925.1	VAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMLKDL SYHLRDFNPRLD..	160
NTDB id 140 SP RS00070 WP 000588925.1	YLFHETLRDYNKQSKKEKQEELEVL SNERFRGRQVLRDLRIVFKEFTIRTH..	159
NTDB id 252 KZH43 RS09050 WP 000588897.1	YLFHETLRDYNKQSKKEKQEELEVL SNERFRGRQVLRDLRIVFKEFTIRTH..	159
NTDB id 251 KZH43 RS09050 WP 000588897.1	YLFHETLRDYNKQSKKEKQEELEVL SNERFRGRQVLRDLRIVFKEFTIRTH..	159
NTDB id 211 SPD RS09675 WP 000588897.1	YLFHETLRDYNKQSKKEKQEELEVL SNERFRGRQVLRDLRIVFKEFTIRTH..	159
NTDB id 210 SPD RS00065 WP 000588897.1	YLFHETLRDYNKQSKKEKQEELEVL SNERFRGRQVLRDLRIVFKEFTIRTH..	159
NTDB id 177 SPR RS09210 WP 000588897.1	YLFHETLRDYNKQSKKEKQEELEVL SNERFRGRQVLRDLRIVFKEFTIRTH..	159
NTDB id 176 SPR RS00065 WP 000588897.1	YLFHETLRDYNKQSKKEKQEELEVL SNERFRGRQVLRDLRIVFKEFTIRTH..	159
NTDB id 489 SM12261 RS01070 WP 000471940.1	YLFHETLRDYNKQSKDKQEELEVL RHERFRGRQVLRDLRIVFKEFDIRTH..	159
NTDB id 488 SM12261 RS00065 WP 000471939.1	YLFHETLRDYNKQSKDKQEELEVL RHERFRGRQVLRDLRIVFKEFDIRTH..	159
NTDB id 517 SMSK321 RS10700 WP 000471945.1	YLFHETLRDYSKQSKDKQEELEVL RHERFRGRQVLRDLRIVFKEFDIRTQ..	159
NTDB id 516 SMSK321 RS09125 WP 000471944.1	YLFHETLRDYSKQSKDKQEELEVL RHERFRGRQVLRDLRIVFKEFDIRTR..	159
NTDB id 554 STRINF RS00370 WP 115283725.1	VAYQDSLACLRRRTLGREDRLKLEKVIRGERFECKKAFLKSTELYFSDFRP.....	158
NTDB id 44 SMU RS09085 WP 002263585.1	ILFRDSSLAYKQGLSTBKQELFERLVAGEHFLGRQSMKDLKKLSDFKEK....	160
NTDB id 1138822 DQM52 RS01725 WP 003057148.1	VAYREVVLVQVEEALSEADRKQFQALVRGERFKGRQALLRKIVRPFSGFDQG....	160
NTDB id 450 SPYM18 RS08475 WP 011018214.1	VAYQEVITASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 449 SPYM18 RS01395 WP 011018214.1	VAYQEVITASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 442 SPYM3 RS08515 WP 011106595.1	VAYQEVITASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 441 SPYM3 RS01385 WP 011106595.1	VAYQEVITASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	VAYQEVITASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	VAYQEVITASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
consensus	*** *	

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved