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NTDB id 320	STU RS10340 WP 002949220.1	MEQEVFVKAYEKVRPIVLKAFRQY	24
NTDB id 47	STER RS00925 WP 002949220.1	MEQEVFVKAYEKVRPIVLKAFRQY	24
NTDB id 468	HSISS4 RS00725 WP 021143466.1	MEQEVFVHAYEVVRPIVLKASRQY	24
NTDB id 50	STRSA0001 RS07545 WP 002885610.1	MEQEVFVHAYEVVRPIVLKASRQY	24
NTDB id 44	SMU RS09085 WP 002263585.1	MEEDFEIVFNKVKPIVWKLRSYY	23
NTDB id 1155386	QNH78 RS00080 WP 011921639.1	MEFEKVVASVKGI VNKARKEF	21
NTDB id 461	GPW51 RS00080 WP 011921639.1	MEFEKVVASVKGI VNKARKEF	21
NTDB id 454	SSU RS00080 WP 011921639.1	MEFEKVVASVKGI VNKARKEF	21
NTDB id 457	SSUD9 RS00080 WP 002936602.1	MEFEKVVASVKGI VNKARKEF	21
NTDB id 424	SGO RS10430 WP 012130755.1	MKFEDVYKQVEGI VVKRCYKDY	21
NTDB id 423	SGO RS08370 WP 012130755.1	MKFEDVYKQVEGI VVKRCYKDY	21
NTDB id 141	SP RS10155 WP 000588925.1	MIKELYEEVQGT VYKCRNEY	20
NTDB id 140	SP RS00070 WP 000588925.1	MIKELYEEVQGT VYKCRNEY	20
NTDB id 252	KZH43 RS09050 WP 000588897.1	MIKELYEEVQGT VYKCRNEY	20
NTDB id 251	KZH43 RS09050 WP 000588897.1	MIKELYEEVQGT VYKCRNEY	20
NTDB id 211	SPD RS09675 WP 000588897.1	MIKELYEEVQGT VYKCRNEY	20
NTDB id 210	SPD RS00065 WP 000588897.1	MIKELYEEVQGT VYKCRNEY	20
NTDB id 177	SPR RS09210 WP 000588897.1	MIKELYEEVQGT VYKCRNEY	20
NTDB id 176	SPR RS00065 WP 000588897.1	MIKELYEEVQGT VYKCRNEY	20
NTDB id 489	SM12261 RS01070 WP 000471940.1	MFKELYEEVQGT VYKCRNEY	20
NTDB id 488	SM12261 RS00065 WP 000471939.1	MFKELYEEVQGT VYKCRNEY	20
NTDB id 516	SMSK321 RS09125 WP 000471944.1	MFKELYKEVQGT VYKSRNEY	20
NTDB id 517	SMSK321 RS10700 WP 000471945.1	MFKELYKEVQGT VYKSRNEY	20
NTDB id 582	DLJ51 RS00505 WP 002962720.1	MDKEKLKEIFNKHSALPEEVEEFDDGMVKEVITAGLLFCLKEVL...D.....MDDSSFVSAF SRVEKTVSKLAKDY	69
NTDB id 554	STRINF RS00370 WP 115283725.1	MDEERYFQTVKPI ILKLRHY	21
NTDB id 450	SPYM18 RS08475 WP 011018214.1	MSCCFVVLFILGIVKKRRLKMSIETRAAF EKVKPI ILKLRHY	45
NTDB id 449	SPYM18 RS01395 WP 011018214.1	MSCCFVVLFILGIVKKRRLKMSIETRAAF EKVKPI ILKLRHY	45
NTDB id 442	SPYM3 RS08515 WP 011106595.1	MSCCFVVLFILGIVKKRRLKMSIETRAAF EKVKPI ILKLRHY	45
NTDB id 441	SPYM3 RS01385 WP 011106595.1	MSCCFVVLFILGIVKKRRLKMSIETRAAF EKVKPI ILKLRHY	45
NTDB id 448	SpyM6JRS4 RS07800 WP 010921894.1	MSCCFVVLFILGIVKKRRLKMSIETRAAF EKVKPI ILKLRHY	45
NTDB id 447	SpyM6JRS4 RS01370 WP 010921894.1	MSCCFVVLFILGIVKKRRLKMSIETRAAF EKVKPI ILKLRHY	45
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NTDB id 320 STU RS10340 WP 002949220.1
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 NTDB id 468 HSISS4 RS00725 WP 021143466.1
 NTDB id 50 STRSA0001 RS07545 WP 002885610.1
 NTDB id 44 SMU RS09085 WP 002263585.1
 NTDB id 1155386 QNH78 RS00080 WP 011921639.1
 NTDB id 461 GPW51 RS00080 WP 011921639.1
 NTDB id 454 SSU RS00080 WP 011921639.1
 NTDB id 457 SSUD9 RS00080 WP 002936602.1
 NTDB id 424 SGO RS10430 WP 012130755.1
 NTDB id 423 SGO RS08370 WP 012130755.1
 NTDB id 141 SP RS10155 WP 000588925.1
 NTDB id 140 SP RS00070 WP 000588925.1
 NTDB id 252 KZH43 RS09050 WP 000588897.1
 NTDB id 251 KZH43 RS09050 WP 000588897.1
 NTDB id 211 SPD RS09675 WP 000588897.1
 NTDB id 210 SPD RS00065 WP 000588897.1
 NTDB id 177 SPR RS09210 WP 000588897.1
 NTDB id 176 SPR RS00065 WP 000588897.1
 NTDB id 489 SM12261 RS01070 WP 000471940.1
 NTDB id 488 SM12261 RS00065 WP 000471939.1
 NTDB id 516 SMSK321 RS09125 WP 000471944.1
 NTDB id 517 SMSK321 RS10700 WP 000471945.1
 NTDB id 582 DLJ51 RS00505 WP 002962720.1
 NTDB id 554 STRINF RS00370 WP 115283725.1
 NTDB id 450 SPYM18 RS08475 WP 011018214.1
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 NTDB id 442 SPYM3 RS08515 WP 011106595.1
 NTDB id 441 SPYM3 RS01385 WP 011106595.1
 NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1
 NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1



LD.MVDRLAYDEQLNAFREQLSSEDSLKLDRLIGGECFRGRKKMIRELRFWMVDFDPCNEED 165
 LD.MVDRLAYDEQLNAFREQLSSEDSLKLDRLIGGECFRGRKKMIRELRFWMVDFDPCNEED 165
 LD.AVDRLVYDEQLNAFRNQLSSEDATEKLDRLLAGECFRGRKKMIRELRFWMVDFDPYNEDD 165
 LD.AVDRLVYDEQLNAFRNQLSSEDATEKLDRLLAGECFRGRKKMIRELRFWMVDFDPYNEDD 165
 MQ.LDEYILFRDLSLAYKQGLSTEQELFERLVAGEHFLGRQSMKDLRKKLSDFKKEK... 160
 LI.NDELLMLRGAIRDYRKNLSNDQLDKYEKLISSGCFNGRREMIRDQLIHLKDFR..... 156
 LI.NDELLMLRGAIRDYRKNLSNDQLDKYEKLISSGCFNGRREMIRDQLIHLKDFR..... 156
 LI.NDELLMLRGAIRDYRKNLSNDQLDKYEKLISSGCFNGRREMIRDQLIHLKDFR..... 156
 LY.LDELVAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMKDL SYHLRDFNPRLD.. 160
 LY.LDELVAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMKDL SYHLRDFNPRLD.. 160
 LW.LDDYYLFHETLRDYRNKQSKQEKQEELELRLVLSNERFRGRQRVLRDLRIVFKEFTIRTH.. 159
 MW.LDEYILFRDLSLAYKQGLSTEQELFERLVAGEHFLGRQSMKDLRKKLSDFKKEK... 160
 MW.LDEYILFRDLSLAYKQGLSTEQELFERLVAGEHFLGRQSMKDLRKKLSDFKKEK... 160
 LW.LDEYILFRDLSLAYKQGLSTEQELFERLVAGEHFLGRQSMKDLRKKLSDFKKEK... 160
 LW.LDDYYLFHETLRDYRNKQSKQEKQEELELRLVLSNERFRGRQRVLRDLRIVFKEFTIRTH.. 159
 LW.LDDYYLFHETLRDYRNKQSKQEKQEELELRLVLSNERFRGRQRVLRDLRIVFKEFTIRTH.. 159
 MD.TADYCALKEKIKELKQKLAPEDYAKILLLMRGGAFKGRSAFIKDIKVEFEDFDEDN... 207
 FFEVEYVAVQDSLAELRRTLGREDRLKLEKVIKGERFECCKAFKSIKELVFSDFRP..... 158
 LW.LDDYVAVQEVIVASLENQLNSQERMQFKALIRGERFKGRHALLRKTSPYFKEFAAQL... 183
 LW.LDDYVAVQEVIVASLENQLNSQERMQFKALIRGERFKGRHALLRKTSPYFKEFAAQL... 183
 LW.LDDYVAVQEVIVASLENQLNSQERMQFKALIRGERFKGRHALLRKTSPYFKEFAAQL... 183
 LW.LDDYVAVQEVIVASLENQLNSQERMQFKALIRGERFKGRHALLRKTSPYFKEFAAQL... 183
 LW.LDDYVAVQEVIVASLENQLNSQERMQFKALIRGERFKGRHALLRKTSPYFKEFAAQL... 183
 LW.LDDYVAVQEVIVASLENQLNSQERMQFKALIRGERFKGRHALLRKTSPYFKEFAAQL... 183

consensus

** ***** * ***** ** * * ***** ***!*** ***** **!

non conserved
 similar
 ≥ 50% conserved