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NTDB id 582 DLJ51 RS00505 WP 002962720.1
NTDB id 450 SPYM18 RS08475 WP 011018214.1
NTDB id 449 SPYM18 RS01395 WP 011018214.1
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
NTDB id 554 STRINF RS00370 WP 115283725.1
NTDB id 320 STU RS10340 WP 002949220.1
NTDB id 47 STER RS00925 WP 002949220.1
NTDB id 50 STRSA0001 RS07545 WP 002885610.1
NTDB id 468 HSISS4 RS00725 WP 021143466.1
NTDB id 457 SSUD9 RS00080 WP 002936602.1
NTDB id 461 GPW51 RS00080 WP 011921639.1
NTDB id 454 SSU RS00080 WP 011921639.1
NTDB id 44 SMU RS09085 WP 002263585.1
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 141 SP RS10155 WP 000588925.1
NTDB id 140 SP RS00070 WP 000588925.1
NTDB id 489 SM12261 RS01070 WP 000471940.1
NTDB id 488 SM12261 RS00065 WP 000471939.1
NTDB id 517 SMSK321 RS10700 WP 000471945.1
NTDB id 516 SMSK321 RS09125 WP 000471944.1
NTDB id 66595 SCSC RS08485 WP 037598771.1
NTDB id 424 SGO RS10430 WP 012130755.1
NTDB id 423 SGO RS08370 WP 012130755.1
consensus

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NTDB id 582 DLJ51 RS00505 WP 002962720.1	DDWRQEARIIYQLLERFPDLANDDEEKLRIFYFKTKFRSYVLDNIRKQESQKRAFDRMIYEEISEIGHMTPSQQMD.TADY	155
NTDB id 450 SPYM18 RS08475 WP 011018214.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 449 SPYM18 RS01395 WP 011018214.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 442 SPYM3 RS08515 WP 011106595.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 441 SPYM3 RS01385 WP 011106595.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 554 STRINF RS00370 WP 115283725.1	EDWIQEGRIVFFQLLEEHPDLINNEGKCYSYFKTKFSNVKVDIIRHQESFKRKFNRMPEYEEISDIISHCPQVFFFEVEDY	108
NTDB id 320 STU RS10340 WP 002949220.1	ADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRINDEVRRQESVKKRQANRQCYYEISDIAFCIPNKEID.MVDR	110
NTDB id 47 STER RS00925 WP 002949220.1	ADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRINDEVRRQESVKKRQANRQCYYEISDIAFCIPNKEID.MVDR	110
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	ADMEQEAMMTLYQLLEKFPPELKSDDDKLRRYFKTKFRNRINDEVRRQESVKKRQANRQCYYEISDIAFCIPNKEID.AVDR	110
NTDB id 468 HSISS4 RS00725 WP 021143466.1	ADMEQEAMMTLYQLLEKFPPELKSDDDKLRRYFKTKFRNRINDEVRRQESVKKRQANRQCYYEISDIAFCIPNKEID.AVDR	110
NTDB id 457 SSUD9 RS00080 WP 002936602.1	DDWEQEGMMTLFEELLEAQPWLVDEQQVQLYCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIHELISHAIQSPGLI.NDEL	107
NTDB id 461 GPW51 RS00080 WP 011921639.1	DDWEQEGMMTLFEELLEAQPWLVDEQQVQLYCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIHELISHAIQSPGLI.NDEL	107
NTDB id 454 SSU RS00080 WP 011921639.1	DDWEQEGMMTLFEELLEAQPWLVDEQQVQLYCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIHELISHAIQSPGLI.NDEL	107
NTDB id 44 SMU RS09085 WP 002263585.1	EDWQEGMILILHQLLREHPELEEEDDTKLYIFYKTRFSNYIKDVLRRQESQKRFRNRMSYEEVGEIEHCISSGCMQ.LDEY	109
NTDB id 252 KZH43 RS09050 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 251 KZH43 RS09050 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 211 SPD RS09675 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 210 SPD RS00065 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 177 SPR RS09210 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 176 SPR RS00065 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 141 SP RS10155 WP 000588925.1	SDWEQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 140 SP RS00070 WP 000588925.1	SDWEQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 489 SM12261 RS01070 WP 000471940.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDEY	106
NTDB id 488 SM12261 RS00065 WP 000471939.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDEY	106
NTDB id 517 SMSK321 RS10700 WP 000471945.1	SDWDQEGMICLHELISREEGLVDDIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGW.LDDY	106
NTDB id 516 SMSK321 RS09125 WP 000471944.1	SDWDQEGMICLHELISKEEELAEIPRLRKIFYFKTKFRNRILDYIRKQESQKRKYDKESYEEVGEISHRISEGGW.LDEY	106
NTDB id 66595 SCSC RS08485 WP 037598771.1	SDWDQEGMVLVLYELVSRYPQLVESERLYVYVYKTKFRNHIKDIIRKQESQKRKLDRQAYEEVSEIGHKLSLKELY.LDEL	107
NTDB id 424 SGO RS10430 WP 012130755.1	ADWRQEGMVLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRIHDLIRKQESQKRKLDRQPVEEVSEIGHRLRMKELY.LDEL	107
NTDB id 423 SGO RS08370 WP 012130755.1	ADWRQEGMVLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRIHDLIRKQESQKRKLDRQPVEEVSEIGHRLRMKELY.LDEL	107
consensus	! * * ! ! * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * *	

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NTDB id 582 DLJ51 RS00505 WP 002962720.1	CALKEKLLKELKQKLLAPEDYAKILLLMRGGAFFKGRSAFLKDKVBFEDFDEDN...	207
NTDB id 450 SPYM18 RS08475 WP 011018214.1	VAYQEVIIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAAQL...	183
NTDB id 449 SPYM18 RS01395 WP 011018214.1	VAYQEVIIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAAQL...	183
NTDB id 442 SPYM3 RS08515 WP 011106595.1	VAYQEVIIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAAQL...	183
NTDB id 441 SPYM3 RS01385 WP 011106595.1	VAYQEVIIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAAQL...	183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	VAYQEVIIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAAQL...	183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	VAYQEVIIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAAQL...	183
NTDB id 554 STRINF RS00370 WP 115283725.1	VAYQDSLACLRRTLGREDRLKLEKVIIRGERFECCKAFLKSLIEIYFSDFRP.....	158
NTDB id 320 STU RS10340 WP 002949220.1	LAYDEQLNAFREQLSSEDSLKLDRLLGGECEFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 47 STER RS00925 WP 002949220.1	LAYDEQLNAFREQLSSEDSLKLDRLLGGECEFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	LVYDEQLNAFRNQLSSEDATKLDRLLAGCECFRGRKKMIRELRFWMVDFDPYNEDD	165
NTDB id 468 HSISS4 RS00725 WP 021143466.1	LVYDEQLNAFRNQLSSEDATKLDRLLAGCECFRGRKKMIRELRFWMVDFDPYNEDD	165
NTDB id 457 SSUD9 RS00080 WP 002936602.1	LMLRGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDQLIHLKDFR.....	156
NTDB id 461 GPW51 RS00080 WP 011921639.1	LMLRGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDQLIHLKDFR.....	156
NTDB id 454 SSU RS00080 WP 011921639.1	LMLRGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDQLIHLKDFR.....	156
NTDB id 44 SMU RS09085 WP 002263585.1	ILFRDSLILAYKQGLSTBKQELFERLVAGEHFLGRQSMKDLKKLSDFKEK....	160
NTDB id 252 KZH43 RS09050 WP 000588897.1	YLFHETLRDYNRKQSKEKQEEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 251 KZH43 RS09050 WP 000588897.1	YLFHETLRDYNRKQSKEKQEEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 211 SPD RS09675 WP 000588897.1	YLFHETLRDYNRKQSKEKQEEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 210 SPD RS00065 WP 000588897.1	YLFHETLRDYNRKQSKEKQEEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 177 SPR RS09210 WP 000588897.1	YLFHETLRDYNRKQSKEKQEEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 176 SPR RS00065 WP 000588897.1	YLFHETLRDYNRKQSKEKQEEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 141 SP RS10155 WP 000588925.1	YLFHETLRDYNRKQSKEKQEEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 140 SP RS00070 WP 000588925.1	YLFHETLRDYNRKQSKEKQEEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 489 SM12261 RS01070 WP 000471940.1	YLFHETLRDYNRKQSKDKQEEELERVLRHERFGRQRVLRDLRIVFKEFDIRTH..	159
NTDB id 488 SM12261 RS00065 WP 000471939.1	YLFHETLRDYNRKQSKDKQEEELERVLRHERFGRQRVLRDLRIVFKEFDIRTH..	159
NTDB id 517 SMSK321 RS10700 WP 000471945.1	YLFHETLRDYSKQSKDKQEEELERVLRHERFGRQRVLRDLRIVFKEFDIRTQ..	159
NTDB id 516 SMSK321 RS09125 WP 000471944.1	YLFHETLRDYSKQSKDKQEEELERVLRHERFGRQRVLRDLRIVFKEFDIRTR..	159
NTDB id 66595 SCSC RS08485 WP 037598771.1	VILRAQLKSYQKQLSPEKQEYERLLADERFQGRQAMLRRLRAYLQDYDERKS..	160
NTDB id 424 SGO RS10430 WP 012130755.1	VAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMKDL SYHLRDFNPRLD..	160
NTDB id 423 SGO RS08370 WP 012130755.1	VAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMKDL SYHLRDFNPRLD..	160
consensus	*** * ***** ** * * ***** **!*!* ***** *****	

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