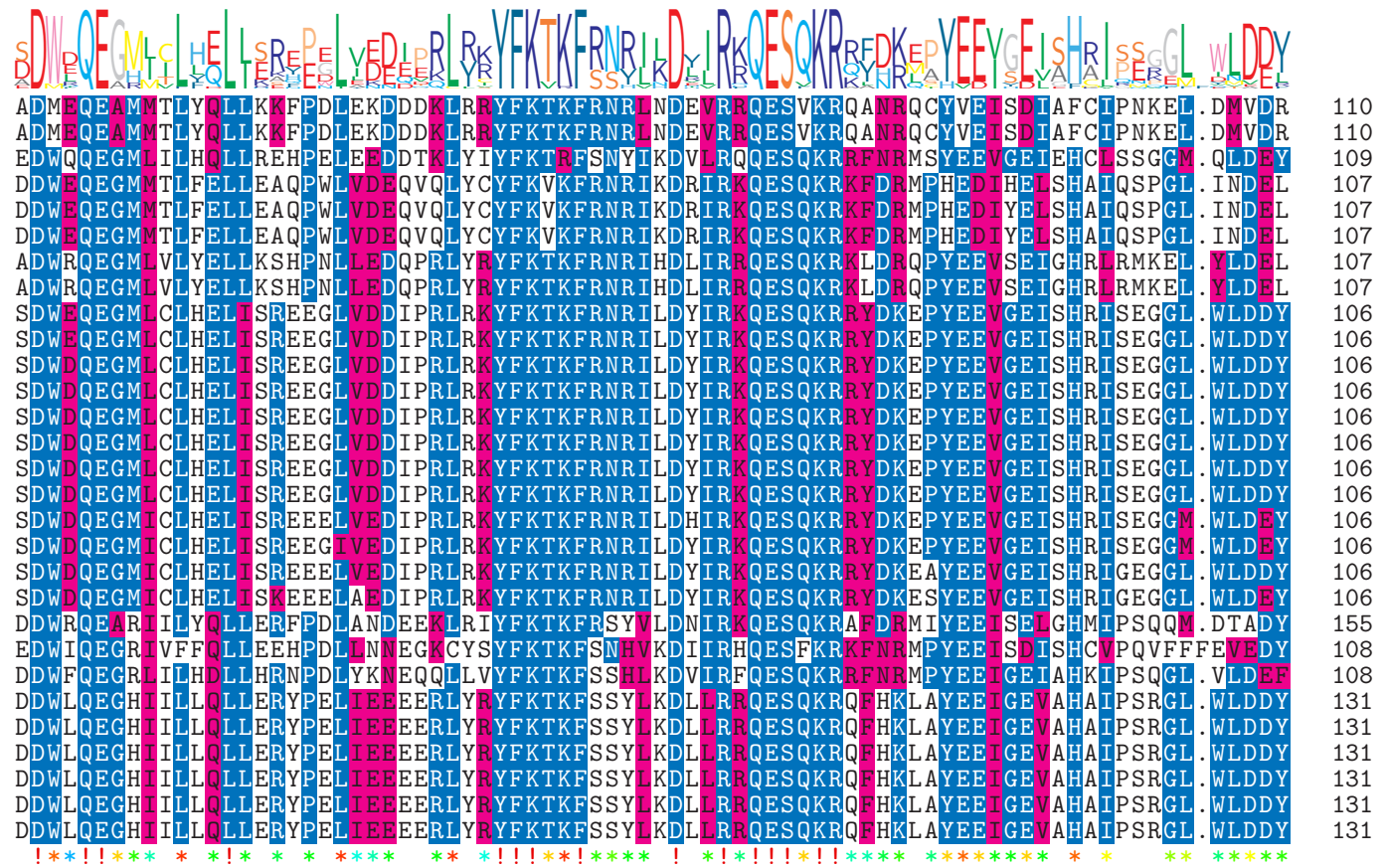


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NTDB id 320 STU RS10340 WP 002949220.1	MEQEVFVKAYEKVRPIVLKAFRQYFIQLWDQ	31
NTDB id 47 STER RS00925 WP 002949220.1	MEQEVFVKAYEKVRPIVLKAFRQYFIQLWDQ	31
NTDB id 44 SMU RS09085 WP 002263585.1	MEEDFEIVFNKVKPIVWKLRYFFIKMTR	30
NTDB id 457 SSUD9 RS00080 WP 002936602.1	MEFEKYYASVKGIVNKKARKEFYIKLWDR	28
NTDB id 461 GPW51 RS00080 WP 011921639.1	MEFEKYYASVKGIVNKKARKEFYIKLWDR	28
NTDB id 454 SSU RS00080 WP 011921639.1	MEFEKYYASVKGIVNKKARKEFYIKLWDR	28
NTDB id 424 SGO RS10430 WP 012130755.1	MKFEDVYKQVEGIVKRCYKDYLLHLWEY	28
NTDB id 423 SGO RS08370 WP 012130755.1	MKFEDVYKQVEGIVKRCYKDYLLHLWEY	28
NTDB id 141 SP RS10155 WP 000588925.1	MIKELYBEVQCTVYKCRNEYLLHLWEL	27
NTDB id 140 SP RS00070 WP 000588925.1	MIKELYBEVQCTVYKCRNEYLLHLWEL	27
NTDB id 252 KZH43 RS09050 WP 000588897.1	MIKELYBEVQCTVYKCRNEYLLHLWEL	27
NTDB id 251 KZH43 RS09050 WP 000588897.1	MIKELYBEVQCTVYKCRNEYLLHLWEL	27
NTDB id 211 SPD RS09675 WP 000588897.1	MIKELYBEVQCTVYKCRNEYLLHLWEL	27
NTDB id 210 SPD RS00065 WP 000588897.1	MIKELYBEVQCTVYKCRNEYLLHLWEL	27
NTDB id 177 SPR RS09210 WP 000588897.1	MIKELYBEVQCTVYKCRNEYLLHLWEL	27
NTDB id 176 SPR RS00065 WP 000588897.1	MIKELYBEVQCTVYKCRNEYLLHLWEL	27
NTDB id 489 SM12261 RS01070 WP 000471940.1	MFKELYBEVQGIVYKCRNEYLLHLWEL	27
NTDB id 488 SM12261 RS00065 WP 000471939.1	MFKELYBEVQGIVYKCRNEYLLHLWEL	27
NTDB id 517 SMSK321 RS10700 WP 000471945.1	MFKELYKEVQGIVYKSRNEYLLHLWEL	27
NTDB id 516 SMSK321 RS09125 WP 000471944.1	MFKELYKEVQGIVYKSRNEYLLHLWEL	27
NTDB id 582 DLJ51 RS00505 WP 002962720.1	MDKEKLKEIFNKHSAALPEEVEEFDDGMVKEVITAGLLFCLKEVL....DMDDSSFVSAF SRVEKTVSKLAKDYIYIKLWTY	76
NTDB id 554 STRINF RS00370 WP 115283725.1	MDFERYFQTVKPIILKLRRHYFVKLWY	28
NTDB id 64556 SPB RS07700 WP 003106108.1	MDQFDKCKTKTVKPTIYKFMRSYYIHLWEK	29
NTDB id 442 SPYM3 RS08515 WP 011106595.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF EKVKPIILKLKRHYIYIQLWDR	52
NTDB id 441 SPYM3 RS01385 WP 011106595.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF EKVKPIILKLKRHYIYIQLWDR	52
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF EKVKPIILKLKRHYIYIQLWDR	52
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF EKVKPIILKLKRHYIYIQLWDR	52
NTDB id 450 SPYM18 RS08475 WP 011018214.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF EKVKPIILKLKRHYIYIQLWDR	52
NTDB id 449 SPYM18 RS01395 WP 011018214.1	MS..CCFFVVLFILGIVKKKRRRLKMSIETRAAF EKVKPIILKLKRHYIYIQLWDR	52
consensus	* * * * ! * * * * * * * * * ! *	

NTDB id 320 STU RS10340 WP 002949220.1
NTDB id 47 STER RS00925 WP 002949220.1
NTDB id 44 SMU RS09085 WP 002263585.1
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 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 517 SMSK321 RS10700 WP 000471945.1
NTDB id 516 SMSK321 RS09125 WP 000471944.1
NTDB id 582 DLJ51 RS00505 WP 002962720.1
NTDB id 554 STRINF RS00370 WP 115283725.1
NTDB id 64556 SPB RS07700 WP 003106108.1
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 450 SPYM18 RS08475 WP 011018214.1
NTDB id 449 SPYM18 RS01395 WP 011018214.1
consensus



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NTDB id 320 STU RS10340 WP 002949220.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	LAYDEQLNAFREQLSSEDSLKLDRLLIGGECFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 47 STER RS00925 WP 002949220.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	LAYDEQLNAFREQLSSEDSLKLDRLLIGGECFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 44 SMU RS09085 WP 002263585.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	ILFRDSL LAYKQGLSTEKQELFERLVAGEHFLGRQSM LKDLKKLSDFKEK...	160
NTDB id 457 SSUD9 RS00080 WP 002936602.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	LMLRGALRDYRKNLNSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR.....	156
NTDB id 461 GPW51 RS00080 WP 011921639.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	LMLRGALRDYRKNLNSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR.....	156
NTDB id 454 SSU RS00080 WP 011921639.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	LMLRGALRDYRKNLNSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR.....	156
NTDB id 424 SGO RS10430 WP 012130755.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAFRSAMSEYRSRLSPPEAKQYERLMADERFKGRKAM LKDL SYHLRDFNPRLD..	160
NTDB id 423 SGO RS08370 WP 012130755.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAFRSAMSEYRSRLSPPEAKQYERLMADERFKGRKAM LKDL SYHLRDFNPRLD..	160
NTDB id 141 SP RS10155 WP 000588925.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKKEKQEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 140 SP RS00070 WP 000588925.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKKEKQEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 252 KZH43 RS09050 WP 000588897.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKKEKQEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 251 KZH43 RS09050 WP 000588897.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKKEKQEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 211 SPD RS09675 WP 000588897.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKKEKQEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 210 SPD RS00065 WP 000588897.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKKEKQEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 177 SPR RS09210 WP 000588897.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKKEKQEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 176 SPR RS00065 WP 000588897.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKKEKQEELERVLSNERFGRQRVLRDLRIVFKEFTIRTH..	159
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NTDB id 488 SM12261 RS00065 WP 000471939.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRNKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTH..	159
NTDB id 517 SMSK321 RS10700 WP 000471945.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRSKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTQ..	159
NTDB id 516 SMSK321 RS09125 WP 000471944.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	YLFHETLRDYRSKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTR..	159
NTDB id 582 DLJ51 RS00505 WP 002962720.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	CALKEK LKELKQKLAPEDYAKILL LMRGGAFKGRSAFKDKVEFEDFDEDN...	207
NTDB id 554 STRINF RS00370 WP 115283725.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAYQDSLACLRLRTLGREDRLKLEKVI RGERFCKKAF LKSL ELYFSDFRP....	158
NTDB id 64556 SPB RS07700 WP 003106108.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	IAYQSITIEQISGILTKKEEQSQLYALMRGERFGRRALLRKIKPFFIDFLDE....	159
NTDB id 442 SPYM3 RS08515 WP 011106595.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAYQEV IASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 441 SPYM3 RS01385 WP 011106595.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAYQEV IASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAYQEV IASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAYQEV IASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 450 SPYM18 RS08475 WP 011018214.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAYQEV IASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 449 SPYM18 RS01395 WP 011018214.1	YLFHETLRDYRNKLSKEKQEELRLRGERFRPQVLRDLRIVFKEFELRLTH	VAYQEV IASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
consensus		* * * ***** ** * ***** **!*!* * ***** ***!	

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