

```

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 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 517 SMSK321 RS10700 WP 000471945.1
NTDB id 516 SMSK321 RS09125 WP 000471944.1
NTDB id 582 DLJ51 RS00505 WP 002962720.1
NTDB id 1138923 DQM56 RS08850 WP 014623459.1
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

```

MSL

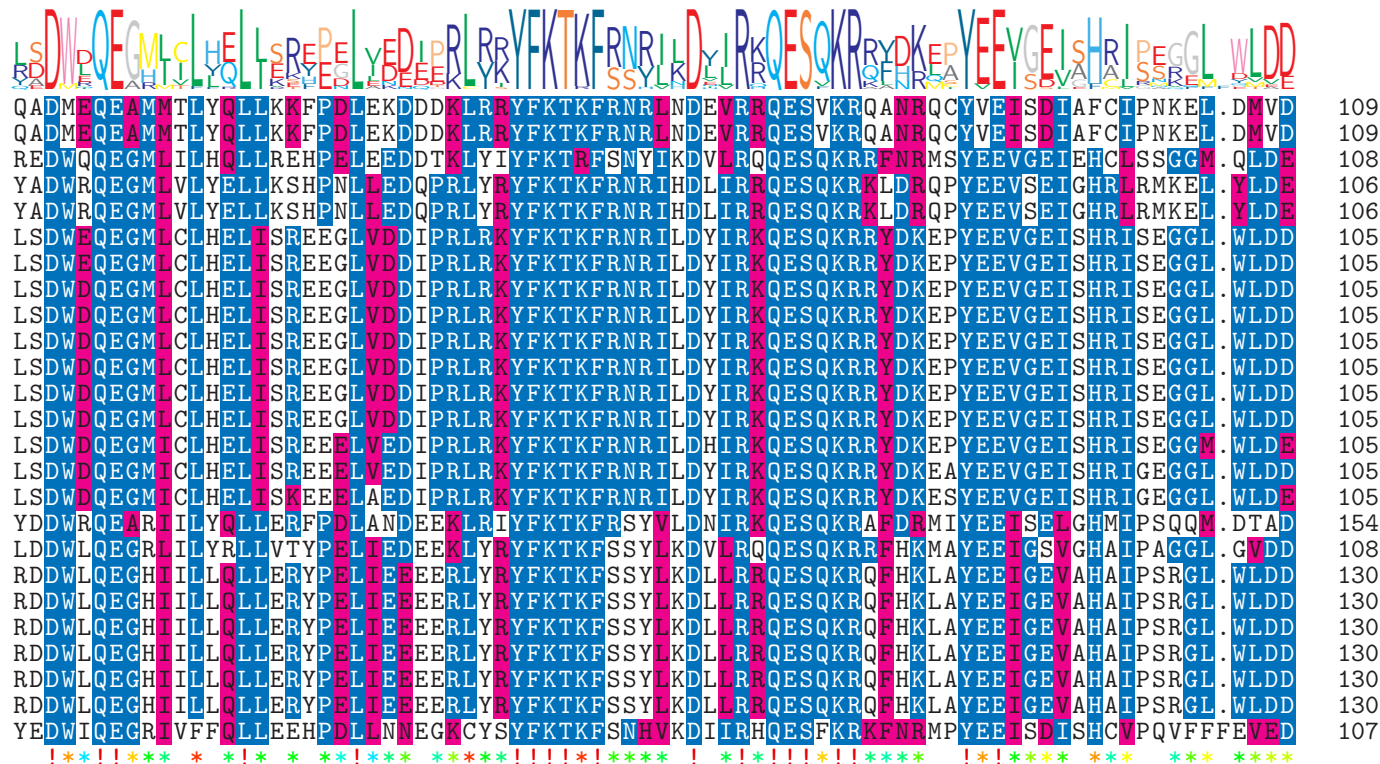
MEQEVFVKAYEKVRP...IVLKAFRQYFIQLWD 30
MEQEVFVKAYEKVRP...IVLKAFRQYFIQLWD 30
MEEDFEIIVENKIKPIVWKLRSRYFIKMWT 29
MKFEDVYKQVEGIVKRICYDYHLWE 27
MKFEDVYKQVEGIVKRICYDYHLWE 27
MIKELYEEVGQTIVYKCRNEYHLWE 26
MIKELYEEVGQTIVYKCRNEYHLWE 26
MIKELYEEVGQTIVYKCRNEYHLWE 26
MIKELYEEVGQTIVYKCRNEYHLWE 26
MIKELYEEVGQTIVYKCRNEYHLWE 26
MIKELYEEVGQTIVYKCRNEYHLWE 26
MIKELYEEVGQTIVYKCRNEYHLWE 26
MIKELYEEVGQTIVYKCRNEYHLWE 26
MIKELYKEVGQIVYKSREYHLWE 26
MFKELYKEVGQIVYKSREYHLWE 26
MDKEKLKEIFNKHSAPEEVEEFDDGMVKEVITAGLLFCLK . . . EVLDMDSSFSVSASRVKTISKAKDYYIKLWT 75
. MTDDLVLRLFKIPILMLRRHYIIQLWE 29
MS.CCFFVVLFILGIVKKRRLK.MSIETRAAFEKVKPILKLRHYYYIQLOW 51
MS.CCFFVVLFILGIVKKRRLK.MSIETRAAFEKVKPILKLRHYYYIQLOW 51
MS.CCFFVVLFILGIVKKRRLK.MSIETRAVFEEKVPILKLRHYYYIQLOW 51
MS.CCFFVVLFILGIVKKRRLK.MSIETRAVFEEKVPILKLRHYYYIQLOW 51
MS.CCFFVVLFILGIVKKRRLK.MSIETRAAFEKVKPILKLRHYYYIQLOW 51
MS.CCFFVVLFILGIVKKRRLK.MSIETRAAFEKVKPILKLRHYYYIQLOW 51
MDFERYFGTVKPIPILKLRHHFYVKLWD 27

* * * * *

```

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 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 517 SMSK321 RS10700 WP 000471945.1
NTDB id 516 SMSK321 RS09125 WP 000471944.1
NTDB id 582 DLJ51 RS00505 WP 002962720.1
NTDB id 1138923 DQM56 RS08850 WP 014623459.1
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
consensus

```



logo

NTDB id 320 STU RS10340 WP 002949220.1	RLAYDEQLNAFREQLSSESLKLDRLLGGE	CFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 47 STER RS00925 WP 002949220.1	RLAYDEQLNAFREQLSSESLKLDRLLGGE	CFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 44 SMU RS09085 WP 002263585.1	YILFRDSL LAYKQGLSTEQELFERLVAGE	FLGRQSM LKDLRKKLSDFKEK....	160
NTDB id 424 SGO RS10430 WP 012130755.1	LVAFRSAMSEYRSRLSPEEAKQYERLMAD	ERFKGRKAM LKDL SYHLRDFNPRLD..	160
NTDB id 423 SGO RS08370 WP 012130755.1	LVAFRSAMSEYRSRLSPEEAKQYERLMAD	ERFKGRKAM LKDL SYHLRDFNPRLD..	160
NTDB id 141 SP RS10155 WP 000588925.1	YYLFHETLRDYRNKQSKEKQEELERVLSN	ERFRGRQVR LRD LRVFKEFTIRTH..	159
NTDB id 140 SP RS00070 WP 000588925.1	YYLFHETLRDYRNKQSKEKQEELERVLSN	ERFRGRQVR LRD LRVFKEFTIRTH..	159
NTDB id 252 KZH43 RS09050 WP 000588897.1	YYLFHETLRDYRNKQSKEKQEELERVLSN	ERFRGRQVR LRD LRVFKEFTIRTH..	159
NTDB id 251 KZH43 RS09050 WP 000588897.1	YYLFHETLRDYRNKQSKEKQEELERVLSN	ERFRGRQVR LRD LRVFKEFTIRTH..	159
NTDB id 211 SPD RS09675 WP 000588897.1	YYLFHETLRDYRNKQSKEKQEELERVLSN	ERFRGRQVR LRD LRVFKEFTIRTH..	159
NTDB id 210 SPD RS00065 WP 000588897.1	YYLFHETLRDYRNKQSKEKQEELERVLSN	ERFRGRQVR LRD LRVFKEFTIRTH..	159
NTDB id 177 SPR RS09210 WP 000588897.1	YYLFHETLRDYRNKQSKEKQEELERVLSN	ERFRGRQVR LRD LRVFKEFTIRTH..	159
NTDB id 176 SPR RS00065 WP 000588897.1	YYLFHETLRDYRNKQSKEKQEELERVLSN	ERFRGRQVR LRD LRVFKEFTIRTH..	159
NTDB id 489 SM12261 RS01070 WP 000471940.1	YYLFHETLRDYRNKQSKDKQEELERVLRH	ERFRGRQVR LRD LRVFKEFDIRTH..	159
NTDB id 517 SMSK321 RS10700 WP 000471945.1	YYLFHETLRDYRSKQSKDKQEELERVLRH	ERFRGRQVR LRD LRVFKEFDIRTQ..	159
NTDB id 516 SMSK321 RS09125 WP 000471944.1	YYLFHETLRDYRSKQSKDKQEELERVLRH	ERFRGRQVR LRD LRVFKEFDIRT..	159
NTDB id 582 DLJ51 RS00505 WP 002962720.1	YCALKEK LKELKQKLAPEDYAK LLLM	RGGAFKGRSAFIKDIKVFEDEDEDN...	207
NTDB id 1138923 DQM56 RS08850 WP 014623459.1	YVAYQLIVKEVEERL TESELSQFRALIR	GERFEGRRAL LRKIGPYFQDFTGEK...	161
NTDB id 450 SPYM18 RS08475 WP 011018214.1	YVAYQEV IASLENQLNSQERMQFKALIR	GERFKGRRAL LRKISPYFKEFAQQL...	183
NTDB id 449 SPYM18 RS01395 WP 011018214.1	YVAYQEV IASLENQLNSQERMQFKALIR	GERFKGRRAL LRKISPYFKEFAQQL...	183
NTDB id 442 SPYM3 RS08515 WP 011106595.1	YVAYQEV IASLENQLNSQERMQFKALIR	GERFKGRRAL LRKISPYFKEFAQQL...	183
NTDB id 441 SPYM3 RS01385 WP 011106595.1	YVAYQEV IASLENQLNSQERMQFKALIR	GERFKGRRAL LRKISPYFKEFAQQL...	183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	YVAYQEV IASLENQLNSQERMQFKALIR	GERFKGRRAL LRKISPYFKEFAQQL...	183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	YVAYQEV IASLENQLNSQERMQFKALIR	GERFKGRRAL LRKISPYFKEFAQQL...	183
NTDB id 554 STRINF RS00370 WP 115283725.1	YVAYQDSLACLRLTLGREDR LKLEKVI	RGERFECKKAF LKSL EIVESDERP.....	158
consensus	*****	*****	*****

- non conserved
- similar
- ≥ 50% conserved