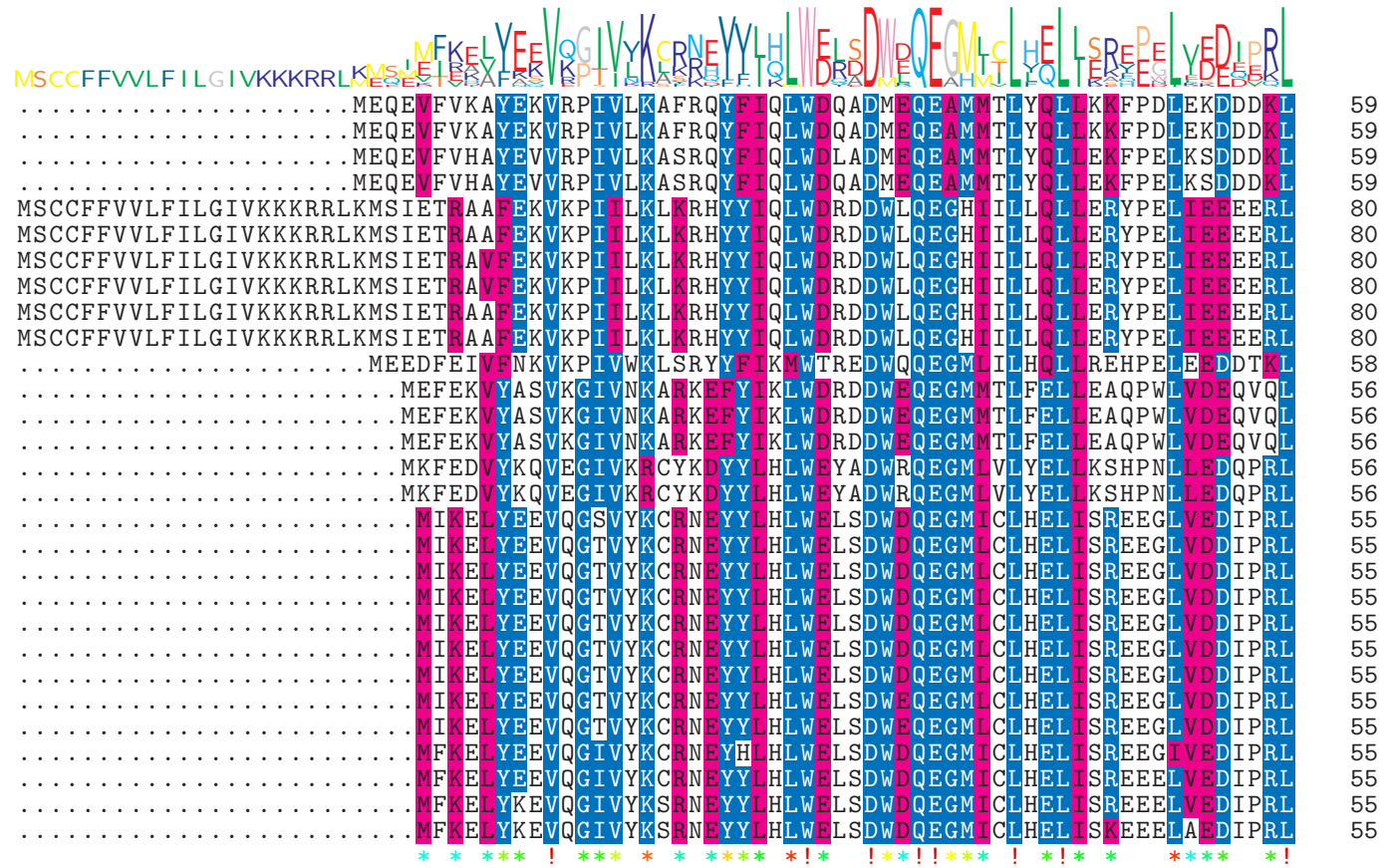


```

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 HS1SS4 RS00725 WP 021143466.1
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 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 99086 SP4011 RS01430 WP 338619553.1
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 488 SM12261 RS00065 WP 000471939.1
NTDB id 489 SM12261 RS01070 WP 000471940.1
NTDB id 517 SMSK321 RS10700 WP 000471945.1
NTDB id 516 SMSK321 RS09125 WP 000471944.1
consensus

```



logo

NTDB id 320 STU RS10340 WP 002949220.1	RRYFKTKFRNRINDEVRRQESVVKRQANRQCYYVEISDIAFCIPNKEIDMVDRLAYDEQLNAFREQLSSDLSKLDRRLGGE	139
NTDB id 47 STER RS00925 WP 002949220.1	RRYFKTKFRNRINDEVRRQESVVKRQANRQCYYVEISDIAFCIPNKEIDMVDRLAYDEQLNAFREQLSSDLSKLDRRLGGE	139
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	RRYFKTKFRNRINDEVRRQESVVKRQANRQCYYVEISDIAFCIPNKEIDAVDRLVYDEQLNAFRNQLSSDATKLDRLAGE	139
NTDB id 468 HSISS4 RS00725 WP 021143466.1	RRYFKTKFRNRINDEVRRQESVVKRQANRQCYYVEISDIAFCIPNKEIDAVDRLVYDEQLNAFRNQLSSDATKLDRLAGE	139
NTDB id 450 SPYM18 RS08475 WP 011018214.1	YRYFKTKFSSYLKDLLRRQESQKRQFHHKLAYEEIGEVAHAIPSRGLWLDDYVAYQEVIASLENQLNSQERMQFKALIRGE	160
NTDB id 449 SPYM18 RS01395 WP 011018214.1	YRYFKTKFSSYLKDLLRRQESQKRQFHHKLAYEEIGEVAHAIPSRGLWLDDYVAYQEVIASLENQLNSQERMQFKALIRGE	160
NTDB id 442 SPYM3 RS08515 WP 011106595.1	YRYFKTKFSSYLKDLLRRQESQKRQFHHKLAYEEIGEVAHAIPSRGLWLDDYVAYQEVIASLENQLNSQERMQFKALIRGE	160
NTDB id 441 SPYM3 RS01385 WP 011106595.1	YRYFKTKFSSYLKDLLRRQESQKRQFHHKLAYEEIGEVAHAIPSRGLWLDDYVAYQEVIASLENQLNSQERMQFKALIRGE	160
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	YRYFKTKFSSYLKDLLRRQESQKRQFHHKLAYEEIGEVAHAIPSRGLWLDDYVAYQEVIASLENQLNSQERMQFKALIRGE	160
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	YRYFKTKFSSYLKDLLRRQESQKRQFHHKLAYEEIGEVAHAIPSRGLWLDDYVAYQEVIASLENQLNSQERMQFKALIRGE	160
NTDB id 44 SMU RS09085 WP 002263585.1	YTYFKTRFSNYIKDVLRQESQKRFRNRMSYEEVGEIEHCLSSGCMQLDEYILFRDSLAVKQGLSTKQELFERLVAGE	138
NTDB id 457 SSUD9 RS00080 WP 002936602.1	YCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIYELSHAIQSPGLINDELLMLRGALRDYRKNLSNDQLDKYEKLISGQ	136
NTDB id 461 GPW51 RS00080 WP 011921639.1	YCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIYELSHAIQSPGLINDELLMLRGALRDYRKNLSNDQLDKYEKLISGQ	136
NTDB id 454 SSU RS00080 WP 011921639.1	YCYFKVKFRNRIRKDRIRKQESQKRKFDRMPHEDIYELSHAIQSPGLINDELLMLRGALRDYRKNLSNDQLDKYEKLISGQ	136
NTDB id 424 SGO RS10430 WP 012130755.1	YRYFKTKFRNRIRDLIRKQESQKRKLDRQPYEEVSEIGHRIIRMKELYLDELVAFRSAMSEYRSRLSPPEAKQYERLMADE	136
NTDB id 423 SGO RS08370 WP 012130755.1	YRYFKTKFRNRIRDLIRKQESQKRKLDRQPYEEVSEIGHRIIRMKELYLDELVAFRSAMSEYRSRLSPPEAKQYERLMADE	136
NTDB id 99086 SP4011 RS01430 WP 338619553.1	RKYFKTKFRNRILDYIRKQESHKRRYNKELYEEVGDISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 252 KZH43 RS09050 WP 000588897.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 251 KZH43 RS09050 WP 000588897.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 211 SPD RS09675 WP 000588897.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 210 SPD RS00065 WP 000588897.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 177 SPR RS09210 WP 000588897.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 176 SPR RS00065 WP 000588897.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 141 SP RS10155 WP 000588925.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 140 SP RS00070 WP 000588925.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGLWLDDYVYLFHETLRDYRNKQSKQKQEEELERVLSNE	135
NTDB id 488 SM12261 RS00065 WP 000471939.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGCMWLDEYVYLFHETLRDYRNKQSKDKQEEELERVLRHE	135
NTDB id 489 SM12261 RS01070 WP 000471940.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGCMWLDEYVYLFHETLRDYRNKQSKDKQEEELERVLRHE	135
NTDB id 517 SMSK321 RS10700 WP 000471945.1	RKYFKTKFRNRILDYIRKQESQKRRYDKEAYEEVGEISHRISEGGLWLDDYVYLFHETLRDYRSKQSKDKQEEELERVLRHE	135
NTDB id 516 SMSK321 RS09125 WP 000471944.1	RKYFKTKFRNRILDYIRKQESQKRRYDKESYEEVGEISHRISEGGLWLDEYVYLFHETLRDYRSKQSKDKQEEELERVLRHE	135
consensus	**!!!!**!* ** !*!*!!!!**!* **** * * **** * * * * * * * *	

logo

NTDB id 320 STU RS10340 WP 002949220.1	CFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 47 STER RS00925 WP 002949220.1	CFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	CFRGRKKMIRELKFWMVDFDPYNEDD	165
NTDB id 468 HSISS4 RS00725 WP 021143466.1	CFRGRKKMIRELKFWMVDFDPYNEDD	165
NTDB id 450 SPYM18 RS08475 WP 011018214.1	RFKGRRALLRKITSPIFYKEFAAQL...	183
NTDB id 449 SPYM18 RS01395 WP 011018214.1	RFKGRRALLRKITSPIFYKEFAAQL...	183
NTDB id 442 SPYM3 RS08515 WP 011106595.1	RFKGRRALLRKITSPIFYKEFAAQL...	183
NTDB id 441 SPYM3 RS01385 WP 011106595.1	RFKGRRALLRKITSPIFYKEFAAQL...	183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	RFKGRRALLRKITSPIFYKEFAAQL...	183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	RFKGRRALLRKITSPIFYKEFAAQL...	183
NTDB id 44 SMU RS09085 WP 002263585.1	FFLGRRQSMKDLKKLSDFKEK....	160
NTDB id 457 SSUD9 RS00080 WP 002936602.1	CFNGRREMIRDLQIHLKDFR.....	156
NTDB id 461 GPW51 RS00080 WP 011921639.1	CFNGRREMIRDLQIHLKDFR.....	156
NTDB id 454 SSU RS00080 WP 011921639.1	CFNGRREMIRDLQIHLKDFR.....	156
NTDB id 424 SGO RS10430 WP 012130755.1	RFKGRKAMLKDLSYHLRDFNPRLD..	160
NTDB id 423 SGO RS08370 WP 012130755.1	RFKGRKAMLKDLSYHLRDFNPRLD..	160
NTDB id 99086 SP4011 RS01430 WP 338619553.1	RFRGRQRVLKDLRIVFKEFDIRTH..	159
NTDB id 252 KZH43 RS09050 WP 000588897.1	RFRGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 251 KZH43 RS09050 WP 000588897.1	RFRGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 211 SPD RS09675 WP 000588897.1	RFRGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 210 SPD RS00065 WP 000588897.1	RFRGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 177 SPR RS09210 WP 000588897.1	RFRGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 176 SPR RS00065 WP 000588897.1	RFRGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 141 SP RS10155 WP 000588925.1	RFRGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 140 SP RS00070 WP 000588925.1	RFRGRQRVLRDLRIVFKEFTIRTH..	159
NTDB id 488 SM12261 RS00065 WP 000471939.1	RFRGRQRVLRDLRIVFKEFDIRTH..	159
NTDB id 489 SM12261 RS01070 WP 000471940.1	RFRGRQRVLRDLRIVFKEFDIRTH..	159
NTDB id 517 SMSK321 RS10700 WP 000471945.1	RFRGRQRVLRDLRIVFKEFDIRTQ..	159
NTDB id 516 SMSK321 RS09125 WP 000471944.1	RFRGRQRVLRDLRIVFKEFDIRTR..	159
consensus	*!*!! **** *!*	

- non conserved
- similar
- ≥ 50% conserved