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NTDB id 617 LCA RS06480 WP 011375001.1
NTDB id 586 KW2 RS10855 WP 011836048.1
NTDB id 167504 AL510 RS03340 WP 010921798.1
NTDB id 584 DLJ51 RS00890 WP 019777327.1
NTDB id 394 FSA28 RS09405 WP 002291652.1
NTDB id 385 SMU RS09035 WP 002263435.1
NTDB id 429 SGO RS09420 WP 012130942.1
NTDB id 500 SM12261 RS00945 WP 000249545.1
NTDB id 270 KZH43 RS09265 WP 000249564.1
NTDB id 229 SPD RS09895 WP 000249564.1
NTDB id 195 SPR RS09430 WP 000249564.1
NTDB id 160 SP RS10380 WP 000249564.1
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Sequence	Score
MVQEIAQEIIIRSAKKGAQDIYFYVFKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKEFVAGMNVGEKRRSQLGSCD	79
..MVQKKAQELIQKAIEMASDIYLIASGNLYKIYIRQQLGRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVCQACW	78
..MVQALAKAILAKAEQVHAQDIYIIPRADQYDLFLRIGDERRLLIDVYQSDRMAPLISHFKFVAGMNVGEKRRRQVGSCD	78
MVEVQELGKELIRQAVEEQAQDIYLLPKPAVKIYILRFGEKRRHLIQTCPPEQAAGLISHFKFLAGMNVGEKRRRQALGACD	80
..MVQKLGKRKIIIAEAVQNKAAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRRSQLGSCD	78
..MVQKLGKRKIIIAEAVQNKAAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRRSQLGSCD	78
..MVQKIAQAIIVRQAQKECAQDIYFVPKDDCYELYMRIGDERRFIQTDFDQLAAVISHFKFLAGMNVGEKRRRSQLGSCD	78
..MVQEIAQEIIIRSAKKGAQDIYFVPKLDAYELHMRVGDERCKIGCYDFEKFAAVISHFKEFVAGMNVGEKRRRSQLGSCD	78
..MVQEIAQEIIIRSAKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKEFVAGMNVGEKRRRSQLGSCD	78
..MVQEIAQEIIIRSAKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKEFVAGMNVGEKRRRSQLGSCD	78
..MVQEIAQEIIIRSAKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKEFVAGMNVGEKRRRSQLGSCD	78
..MVQEIAQEIIIRSAKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKEFVAGMNVGEKRRRSQLGSCD	78

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NTDB id 385 SMU RS09035 WP 002263435.1
NTDB id 429 SGO RS09420 WP 012130942.1
NTDB id 500 SM12261 RS00945 WP 000249545.1
NTDB id 270 KZH43 RS09265 WP 000249564.1
NTDB id 229 SPD RS09895 WP 000249564.1
NTDB id 195 SPR RS09430 WP 000249564.1
NTDB id 160 SP RS10380 WP 000249564.1
```

[illegible]

```
NTDB id 617 LCA RS06480 WP 011375001.1
NTDB id 586 KW2 RS10855 WP 011836048.1
NTDB id 167504 AL510 RS03340 WP 010921798.1
NTDB id 584 DLJ51 RS00890 WP 019777327.1
NTDB id 394 FSA28 RS09405 WP 002291652.1
NTDB id 385 SMU RS09035 WP 0026263435.1
NTDB id 429 SGO RS09420 WP 012130942.1
NTDB id 500 SM12261 RS00945 WP 000249545.1
NTDB id 270 KZH43 RS09265 WP 000249564.1
NTDB id 229 SPD RS09895 WP 000249564.1
NTDB id 195 SPR RS09430 WP 000249564.1
NTDB id 160 SP RS10380 WP 000249564.1
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Position	1	2	3	4	5	6	7	8	9	10
SAKMVVAIEDPIETIVAPFLQLQVNNDNAGLSYAELIKISLRLRPDLLIIGEIRDLETAQYVVSAALSGHLVLSTIHARST	238									
SNAQVITIEEPVELIDSDFIQLQVNDVTGNSYDELIKLSLRHRPDLIIIGEIRQQTARAVRASLTGYTVFSTIHAASV	235									
QEAAQVISIEDPVEIKNHQILQLQVNDIGMTYDNLIKLSLRHRPDLLIIGEIRDSQTARAVIRASLTGAMVFSTVHAKSI	237									
PDSQIITIEDPVEIKQDNMLQLQLNPSSIGMTYDHLIKLSLRHRPDVLIIGEIRDRETAQAVIRASLTGIRVFSTVHAKSI	239									
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ETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILLIGEIRDKETARAVIRASLTGAMVFSTIHAKEI	237									
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KGQVMSIEDPVEIKQDNMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKEI	236									
KGQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKEI	236									
KGQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKEI	236									
KGQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKEI	236									
KGQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKEI	236									

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NTDB id 617 LCA RS06480 WP 011375001.1	QGVVARLLDLGISELQLRACLTGTAYQSLVTKDDVVQA...HYELLTGSDYFSKKEGGCDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	KGVVQRLLELGLSDWELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKTENLYANGHLTAIEAEREKISINQAS	315
NTDB id 167504 AL510 RS03340 WP 010921798.1	SGVYARLLELGVTKAELSNCLALIAQRLINGGALIDSTQNEFEYYSNWNQQIDQLLEAGHLNPKQAKLEKII....	312
NTDB id 584 DLJ51 RS00890 WP 019777327.1	PGVYARILELGVSDDELNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAAEKIKD....	315
NTDB id 394 FSA28 RS09405 WP 002291652.1	PGVYARMLELGTSSSEELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSACKWNKQIYDLFTAGYITEGEAQAEIEIED....	313
NTDB id 385 SMU RS09035 WP 002263435.1	PGVYARMLELGTSSSEELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSACKWNKQIYDLFTAGYITEGEAQAEIEIED....	313
NTDB id 429 SGO RS09420 WP 012130942.1	PGVYERLLELGVSEEEELKIVLQGCYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQAEAEKIRNQQAK	316
NTDB id 500 SM12261 RS00945 WP 000249545.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGVIDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGVIDFASRDYQEHQAACKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 229 SPD RS09895 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGVIDFASRDYQEHQAACKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 195 SPR RS09430 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGVIDFASRDYQEHQAACKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 160 SP RS10380 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGVIDFASRDYQEHQAACKWNEQIDQLLKDGHITSLQAETEKISYS...	313
consensus	!!* !*!*!*!*!*!*!* ! ** !*!*!*!*!*!*!*!*!* ** * * ** *!*!*!*!*!*!*!*!*!* *	

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NTDB id 617 LCA RS06480 WP 011375001.1	TSYTTDGESEFE	296
NTDB id 586 KW2 RS10855 WP 011836048.1	KIDTTDGESEFE	326
NTDB id 167504 AL510 RS03340 WP 010921798.1		312
NTDB id 584 DLJ51 RS00890 WP 019777327.1		315
NTDB id 394 FSA28 RS09405 WP 002291652.1		313
NTDB id 385 SMU RS09035 WP 002263435.1		313
NTDB id 429 SGO RS09420 WP 012130942.1	TSY.....	319
NTDB id 500 SM12261 RS00945 WP 000249545.1		313
NTDB id 270 KZH43 RS09265 WP 000249564.1		313
NTDB id 229 SPD RS09895 WP 000249564.1		313
NTDB id 195 SPR RS09430 WP 000249564.1		313
NTDB id 160 SP RS10380 WP 000249564.1		313
consensus		

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved