

```
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1146608 PANN RS02225 WP 003084552.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
```



Position	Sequence	Score
...	MEINCYLDGMTHKASDLYITVGCAPILYRVDGELRAQGEAL.SVADVITALHAMMODARQAETKQTREANFAVVRD	73
...	MEFEKILRLMVEKGGSDLFITAGVPPSMKVNGKILPINKTPMSPEMTRETIVHGVMNEQQRREFTENHECNFAISAR	76
...	MDFNDLNLMAHKHASDLFITAGVEPSLKINGEITTPVSKTKLDGDMIAQLIDSITTTQKQRQFEIETHECNFAILNR	76
MTSGIDITDILRLAADKGSADIILAGLPPQFKLSGQYDAQGFEP.LASDTRKLMYSMMNERQQRIFEKRELDDFSFAIG	80	
...	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRRINLPPEMSAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
...	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRRINLPPEMSAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
...	MDIAELLEFSVKHNASDLHLSSGIPPMIRVDGEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEKKLEVDFSFELP	76
...	MDIAELLEFSVKHNASDLHLSSGIPPMIRVDGEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEKKLEVDFSFELP	76
...	MDIAELLEFSVKNKSSDLHTISAGMPPMIRVDGDLRKINLPPLLEHKDVIKIITYDIMNDRQRKEYEEFFETDFSFEIA	76
...	MDIAELLEFSVKNKSSDLHTISAGMPPMIRVDGDLRKINLPPLLEHKDVIKIITYDIMNDRQRKEYEEFFETDFSFEIA	76
...	MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPPLLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
...	MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPPLLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
...	MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPPLLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
...	MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPPLLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
...	MDITELLAFSVQNRASDLHLSSGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRDYEEKLETDFSFEVP	76
...	MDITELLAFSVKNGASDLHLSSGIPPMIRVDGEVRRINLPALPHKDVHRLVYDIMNDKQRDYEEKLETDFSFEVP	76
...	MDITELLAFSVKNGASDLHLSSGIPPMIRVDGEVRRINLPALPHKDVHRLVYDIMNDKQRDYEEKLETDFSFEVP	76



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NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1

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Position	Sequence	Conservation Score (bits)
1	SGRFRVSAFFQRELP	0.1
2	GAVIRRTETRIPT	0.1
3	FEEELKLP	0.1
4	EV	0.1
5	LQN	0.1
6	LAIAKRGLV	0.1
7	LV	0.1
8	VVGATGSGKST	0.1
9	MAAMTGYRN	0.1
10	QHRTGHI	0.1
11	153	
12	ICRFRVS	0.1
13	AFYQ	0.1
14	RNL	0.1
15	LAGMVL	0.1
16	LRRIET	0.1
17	INPTIED	0.1
18	LKLPD	0.1
19	VLK	0.1
20	KKAL	0.1
21	TKRGLV	0.1
22	FVGATG	0.1
23	TGKST	0.1
24	SLAAM	0.1
25	IGYRN	0.1
26	KNSSGHI	0.1
27	155	
28	EKNERFRV	0.1
29	SAFQ	0.1
30	QRDMP	0.1
31	GMVIRRI	0.1
32	ETIKIP	0.1
33	SPDDL	0.1
34	HLPL	0.1
35	LLKEL	0.1
36	AMSKRG	0.1
37	IIIF	0.1
38	SGATG	0.1
39	TGKST	0.1
40	SLASMI	0.1
41	QHRN	0.1
42	QHSKGI	0.1
43	156	
44	D	0.1
45	KARFRVNAFM	0.1
46	QRGV	0.1
47	CGMRL	0.1
48	IP	0.1
49	ITV	0.1
50	RTIAEM	0.1
51	LQPTVID	0.1
52	IANAP	0.1
53	RGVLV	0.1
54	TGPTGSGKST	0.1
55	TLASMI	0.1
56	DHINT	0.1
57	TKLHI	0.1
58	159	
59	N	0.1
60	VARFRVNAFN	0.1
61	IGRGP	0.1
62	AAVFR	0.1
63	TIPSTVL	0.1
64	SL	0.1
65	LEEL	0.1
66	KAP	0.1
67	SIFQ	0.1
68	KIAES	0.1
69	PRGM	0.1
70	VLVTGPTGSGKST	0.1
71	TLAAM	0.1
72	IN	0.1
73	YNETQ	0.1
74	PAHI	0.1
75	155	
76	N	0.1
77	VARFRVNAFN	0.1
78	TGRGP	0.1
79	AAVFR	0.1
80	TIPSTVL	0.1
81	SL	0.1
82	LEEL	0.1
83	KAP	0.1
84	SIFQ	0.1
85	KIAES	0.1
86	PRGM	0.1
87	VLVTGPTGSGKST	0.1
88	TLAAM	0.1
89	IN	0.1
90	YNETQ	0.1
91	PAHI	0.1
92	155	
93	N	0.1
94	VGRFRVNAFH	0.1
95	QARGCS	0.1
96	AAVFR	0.1
97	TIPT	0.1
98	TVIPT	0.1
99	LEQL	0.1
100	DAPE	0.1
101	IFSK	0.1
102	IANYEK	0.1
103	GLVL	0.1
104	VTGPTGSGKST	0.1
105	TLAAM	0.1
106	VNY	0.1
107	VNAH	0.1
108	NKHI	0.1
109	155	
110	N	0.1
111	VGRFRVNAFH	0.1
112	QARGCS	0.1
113	AAVFR	0.1
114	TIPT	0.1
115	TVIPT	0.1
116	LEQL	0.1
117	DAPE	0.1
118	IFSK	0.1
119	IANYEK	0.1
120	GLVL	0.1
121	VTGPTGSGKST	0.1
122	TLAAM	0.1
123	VNY	0.1
124	VNAH	0.1
125	NKHI	0.1
126	155	
127	N	0.1
128	LARFRVNAFN	0.1
129	QSRGA	0.1
130	AAVFR	0.1
131	TIPSE	0.1
132	IL	0.1
133	SMED	0.1
134	LGLP	0.1
135	PIFK	0.1
136	EMAS	0.1
137	FSRGL	0.1
138	VLVTGPTGSGKST	0.1
139	TLAAM	0.1
140	V	0.1
141	IDY	0.1
142	INSS	0.1
143	RYEHI	0.1</

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NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
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NTDB id 1185 GTF74 RS11940 WP 000350195.1
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NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHSYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER.....KMTFDGQRRNLK.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAID.PKEFARLA..NDASAGL.GGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAA	395
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1146608 PANN RS02225 WP 003084552.1	TLDMCLKGLVAKGLISRENAREKAKI.PENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRENAREKAKI.PENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAKGLISRDSAKEKAKQ.PENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIINLPTARAVAKS.PESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQ.PESFL.....	345
consensus	!*** * !* ***** * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	PATPAAPAAACRSEPCRCACCFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1		381
NTDB id 1019 ACIAD RS04205 WP 004922051.1		383
NTDB id 1307 DR RS10055 WP 010888596.1	PATPAAPAAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1		347
NTDB id 1116 NGFG RS10615 WP 003690200.1		347
NTDB id 1185 GTF74 RS11940 WP 000350195.1		345
NTDB id 1176 A1552VC RS01160 WP 000350195.1		345
NTDB id 1283 ACE17W RS02630 WP 010947729.1		344
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NTDB id 1040 HON27 RS13360 WP 000355489.1		345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1		345
consensus		

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