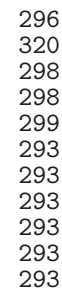


NTDB id	587 KW2 RS10850 WP 042211510.1	MQTDILRLLRPKGKKLALIKQAKLQLMGNLLNNGFNLGEVINFLALS KLVKEFVFKM	59
NTDB id	307442 DV947 RS08730 WP 116920398.1	MPEKISKTIARRPTGISSWKVLNKDVS L RGISKGKKLKISQQVKVIQLFKQLLKAGFTLTLEI VAF LERSHLLKEASLSLM	80
NTDB id	395 FSA28 RS09400 WP 257638827.1	MTFLQQDISLKEKHKKQKKLKIKKQRKVIVQLFN NLF TSGFNLTETIIDFLERSHLLAEIYTKKM	62
NTDB id	386 SMU RS09030 WP 255262721.1	MTFLQQDISLKEKHKKQKKLKIKKQRKVIVQLFN NLF TSGFNLTETIIDFLERSHLLAEIYTKKM	62
NTDB id	430 SGO RS09415 WP 012130941.1	MISFLQQDISILSKKQKKLGTSKKQKVIELFN NLF SGGFHLAETVDFLGRSALL EKNYVQQM	63
NTDB id	271 KZH43 RS09260 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id	230 SPD RS09890 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id	196 SPR RS09425 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id	161 SP RS10375 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id	529 SMSK321 RS09235 WP 080550783.1	MDISQVFRLKRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
NTDB id	501 SM12261 RS00950 WP 004238896.1	MDISQVFRLKRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM	57
consensus		* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *	

[illegible]

NTDB id	587	KW2	RS10850	WP	042211510.1	YLLPQLDKG...NMFATLLINHLPLVFFSVGALIVLLTSLSIIIFKHISALTNFITFLVKVPLVSSFIRLYLTAYFSREWQ	216
NTDB id	307442	DV947	RS08730	WP	116920398.1	YLLPQLLEGDGKNWAVQLVQIFPQLFFVSICGLLVLGLILYLWVKRQSALVFYRRMAKIPFIGQTIVRLYTAYYAREWG	240
NTDB id	395	FSA28	RS09400	WP	257638827.1	YLLPQLBK...GNFATRLISNFPILFILGCCFFILLVGIFTFFSRKISRRLHIGFCSHLPFVGKYLQLYLTAYYAREWG	218
NTDB id	386	SMU	RS09030	WP	255262721.1	YLLPQLBR....GNFATRLISNFPILFILGCCFFILLVGIFTFFSRKISRRLHIGFCSHLPFAGKYLLQLYLTAYYAREWG	218
NTDB id	430	SGO	RS09415	WP	012130941.1	YLLPQLSS....QNFA TLIGHLPTIFLLTLVMLLGLTGAIYLVFKGQKRIPVYSFARLARPFVGSFYRIYLTAYYAREWG	219
NTDB id	271	KZH43	RS09260	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKM SVFSILARLPFIGIFVQTYLTAYYAREWG	213
NTDB id	230	SPD	RS09890	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKM SVFSILARLPFIGIFVQTYLTAYYAREWG	213
NTDB id	196	SPR	RS09425	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKM SVFSILARLPFIGIFVQTYLTAYYAREWG	213
NTDB id	161	SP	RS10375	WP	074196785.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKM SVFSILARLPFIGIFVQTYLTAYYAREWG	213
NTDB id	529	SMSK321	RS09235	WP	080550783.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGLVSLTLLALTFYKRSSKM RVFSILARIPFLGIFVQTYLTAYYAREWG	213
NTDB id	501	SM12261	RS00950	WP	004238896.1	YLLPQLDS...SNIATQIIGNLPQIFLGMVGFVSVGVALALTFYKRSSKM RVFSILARIPFLGIFVQTYLTAYYAREWG	213
consensus						** *! *****!! ***** ***** **** ***** !!!!!	

NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 307442 DV947 RS08730 WP 116920398.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
NTDB id 430 SGO RS09415 WP 012130941.1
NTDB id 271 KZH43 RS09260 WP 074196785.1
NTDB id 230 SPD RS09890 WP 074196785.1
NTDB id 196 SPR RS09425 WP 074196785.1
NTDB id 161 SP RS10375 WP 074196785.1
NTDB id 529 SMSK321 RS09235 WP 080550783.1
NTDB id 501 SM12261 RS00950 WP 004238896.1
consensus



```

NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 307442 DV947 RS08730 WP 116920398.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
NTDB id 430 SGO RS09415 WP 012130941.1
NTDB id 271 KZH43 RS09260 WP 074196785.1
NTDB id 230 SPD RS09890 WP 074196785.1
NTDB id 196 SPR RS09425 WP 074196785.1
NTDB id 161 SP RS10375 WP 074196785.1
NTDB id 529 SMSK321 RS09235 WP 080550783.1
NTDB id 501 SM12261 RS00950 WP 004238896.1
consensus

```



- X non conserved
- X similar
- X $\geq 50\%$ conserved