

NTDB id	587 KW2 RS10850 WP 042211510.1	MQTDLRLLRPKGKKLALIKQAKLIQLMGNLLNNGFNLGVEINFLALS	KLVKEFVFKM	59
NTDB id	973241 WMY90 RS08030 WP 116920398.1	MPEKISKTIARPTGISSWKVWLNKDVSLRGISKGKKLKISSQQVKVIQLFKQLLKAGFTLTLEI	VAFLEERSHLLKEASLSLM	80
NTDB id	395 FSA28 RS09400 WP 257638827.1	MTFLQQDISLKEKHKKQKKLKIKKKQRKVIVQLFNNLF	TSGFNLTEIIDFLERSHLLAEIYTKKM	62
NTDB id	386 SMU RS09030 WP 255262721.1	MTFLQQDISLKEKHKKQKKLKIKKKQRKVIVQLFNNLF	TSGFNLTEIIDFLERSHLLAEIYTKKM	62
NTDB id	430 SGO RS09415 WP 012130941.1	MISFLQQDISILSKQKQKKLCTSKQKQVIELFNNLFSSGFHLAET	VDFLGRSALLKENNYVQQM	63
NTDB id	271 KZH43 RS09260 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRS	SALLDKQCVTQM	57
NTDB id	230 SPD RS09890 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRS	SALLDKQCVTQM	57
NTDB id	196 SPR RS09425 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRS	SALLDKQCVTQM	57
NTDB id	161 SP RS10375 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRS	SALLDKQCVTQM	57
NTDB id	529 SMSK321 RS09235 WP 080550783.1	MDISQVFRLRKKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRS	SALLDKQCVTQM	57
NTDB id	501 SM12261 RS00950 WP 004238896.1	MDISQVFRLKRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRS	SALLDKQCVTQM	57
consensus		* * * * * * * * * * * * * * * * * * * * * * * * * * * * *		

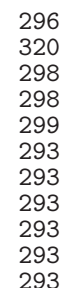
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NTDB	id	973241	WY90	RS08030	WP	116920398.1	KESLIRGDRLDQMLALVGFSDNIVTQISLADKHGNLLGSLTKIETYMLRMTKVRKKLMEVATYPIILLGFLILIMLGLKN	160
NTDB	id	395	FSA28	RS09400	WP	257638827.1	RQGLLNLGLHLAEIMSSSLGFSDDVVTQALSEVHGNLTQKSLLKIESYLNILLVKKKLVEVITYPIILLIFLVVIMLGLKN	142
NTDB	id	386	SMU	RS09030	WP	255262721.1	RQGLLNLGLHLAEIMSSSLGFSDDVVTQALSEVHGNLTQKSLLKIESYLNILLVKKKLVEVITYPIILLIFLVVIMLGLKN	142
NTDB	id	430	SGO	RS09415	WP	012130941.1	RQGLANQAQFSEIMASLGFSDAVVTQLSLAEVHGNLHLSLALLKIEEYLDNLA VKKKLEI VATYPMMLLGLFLVIMIGLRN	143
NTDB	id	271	KZH43	RS09260	WP	074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPIILLGFLLLIMLGLRN	137
NTDB	id	230	SPD	RS09890	WP	074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPIILLGFLLLIMLGLRN	137
NTDB	id	196	SPR	RS09425	WP	074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPIILLGFLLLIMLGLRN	137
NTDB	id	161	SP	RS10375	WP	074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPIILLGFLLLIMLGLRN	137
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NTDB	id	501	SM1261	RS00950	WP	004238896.1	RAGLSQGKSFSEMMESLGFSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLA VKKKLEI VATYPIILLGFLLSIMLGLRN	137
consensus							* * * * *	137

[illegible]

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NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 973241 WMY90 RS08030 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
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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

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NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 973241 WMY90 RS08030 WP 116920398.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
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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

```



- ☐ non conserved
- ☒ similar
- ☒ $\geq 50\%$ conserved