

logo

NTDB id 587 KW2 RS10850 WP 042211510.1	MQT	DILRLILRPKGGKKLALIKQAKLIQLMGNLLNNGFNLG	EVINFLALSKLVEKEFVFKM	59
NTDB id 41852 SALIVB RS09590 WP 155114411.1	MPVKISKAIRQSAGTNSWKAWLNK	DISRKGISKGGKKLKINQQFKVIQLFKQLLKAGFTL	TEIVAFLEERSHLLKESSL	80
NTDB id 395 FSA28 RS09400 WP 257638827.1	MTFLQQ	DISLKEKHKQKKLKIKKQKVIQLFNNLFTSGFNL	TEIIDFLERSHLLAEIYTKM	62
NTDB id 386 SMU RS09030 WP 255262721.1	MTFLQQ	DISLKEKHKQKKLKIKKQKVIQLFNNLFTSGFNL	TEIIDFLERSHLLAEIYTKM	62
NTDB id 430 SGO RS09415 WP 012130941.1	MISFLQQ	DISILSKQKQKKLGTSSKQKQVIELFNNLFSSGFHL	AETVDFLGRSALLEKNYVQQM	63
NTDB id 271 KZH43 RS09260 WP 074196785.1		MDISQVFRLRRKKKLATAKQKNIITLFNNLFSSGFHL	VETISFLDRSALLDKQCVTQM	57
NTDB id 230 SPD RS09890 WP 074196785.1		MDISQVFRLRRKKKLATAKQKNIITLFNNLFSSGFHL	VETISFLDRSALLDKQCVTQM	57
NTDB id 196 SPR RS09425 WP 074196785.1		MDISQVFRLRRKKKLATAKQKNIITLFNNLFSSGFHL	VETISFLDRSALLDKQCVTQM	57
NTDB id 161 SP RS10375 WP 074196785.1		MDISQVFRLRRKKKLATAKQKNIITLFNNLFSSGFHL	VETISFLDRSALLDKQCVTQM	57
NTDB id 529 SMSK321 RS09235 WP 080550783.1		MDISQVFRLRRKKKLATAKQKNIITLFNNLFSSGFHL	VETISFLDRSALLDKQCVTQM	57
NTDB id 501 SM12261 RS00950 WP 004238896.1		MDISQVFRLRRKKKLATAKQKNIITLFNNLFSSGFHL	VETISFLDRSALLDKQCVTQM	57
consensus		*****	*****	

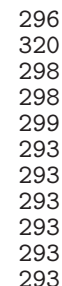
logo

NTDB id 587 KW2 RS10850 WP 042211510.1	HQGLSSGKSLSEILESLFSKNNVVTQLALVEVHGNLVG	TMQLVELHLKKQLKVKKKLIEVATYPVVLLVFLIGIMWGLKN	139
NTDB id 41852 SALIVB RS09590 WP 155114411.1	KASLMRGDRLDQMFASVGFSDNIIVTQIALADKHGNLLG	SLTKIETYMLRMTKVRKKLMEVATYPIILLGFLILIMLGLKN	160
NTDB id 395 FSA28 RS09400 WP 257638827.1	RQGLLNLGLHLAEIMSSSLGFSDDVVTQLALSEVHGNT	TQKSLLKIESYLNLLILVKKKLVEVITYPIILLIFLVVIMLGLKN	142
NTDB id 386 SMU RS09030 WP 255262721.1	RQGLLNLGLHLAEIMSSSLGFSDDVVTQLALSEVHGNT	TQKSLLKIESYLNLLILVKKKLVEVITYPIILLIFLVVIMLGLKN	142
NTDB id 430 SGO RS09415 WP 012130941.1	RQGLANGQAFSEIMASLGFSDAVVTQLSLAELHGNLS	LALLKIEEYLDNLAKVKKKLIEVATYPMMLLGFLVLIMIGLRN	143
NTDB id 271 KZH43 RS09260 WP 074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLH	LSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN	137
NTDB id 230 SPD RS09890 WP 074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLH	LSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN	137
NTDB id 196 SPR RS09425 WP 074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLH	LSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN	137
NTDB id 161 SP RS10375 WP 074196785.1	RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLH	LSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN	137
NTDB id 529 SMSK321 RS09235 WP 080550783.1	RTDLSQGKSFSEMMESLGFSSAIVTQLSLAEVHGNLH	LSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLSIMLGLRN	137
NTDB id 501 SM12261 RS00950 WP 004238896.1	RAGLSQGKSFSEMMESLGFSSAIVTQLSLAEVHGNLH	LSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN	137
consensus	* * ! *		

logo

NTDB id 587 KW2 RS10850 WP 042211510.1	YLLPQLDKGN...	NFATLLINHLPLVFFSVGALIVLLTSL	SIIIIFKHISALTNFTFLVKVPLVSS	FIRLYLTAYFSREW	216
NTDB id 41852 SALIVB RS09590 WP 155114411.1	YLLPQLLEGNGKENWAVQLVQIFPQLFFVT	LCGLLVLSLILYLWVKRQPALVF	YRRMAKIPF	IGQTVRLYTTAYYAREWG	240
NTDB id 395 FSA28 RS09400 WP 257638827.1	YLLPQLEKG...	NFATRLISNFPILFLLGCCFFIL	LVGIFTFFSRKISRHLIGFCSHLPFVGKYL	QLYLTAYYAREWG	218
NTDB id 386 SMU RS09030 WP 255262721.1	YLLPQLERG...	NFATRLISNFPILFLLGCCFFIL	LVGIFTFFSRKISRHLIGFCSHLPFAGKYL	QLYLTAYYAREWG	218
NTDB id 430 SGO RS09415 WP 012130941.1	YLLPQLSSQ...	NFATQLIGHLPTIFLLTVLMLLGLTGAIYLV	FKGQKRIPVYSFLARLPFVGSFVRI	YLTAYYAREWG	219
NTDB id 271 KZH43 RS09260 WP 074196785.1	YLLPQLDSS...	NIATQIIGNLPQIFLGMVGLVSVL	ALLALTFYKRSSKMSVFSILARLPF	IGIFVQTYLTAYYAREWG	213
NTDB id 230 SPD RS09890 WP 074196785.1	YLLPQLDSS...	NIATQIIGNLPQIFLGMVGLVSVL	ALLALTFYKRSSKMSVFSILARLPF	IGIFVQTYLTAYYAREWG	213
NTDB id 196 SPR RS09425 WP 074196785.1	YLLPQLDSS...	NIATQIIGNLPQIFLGMVGLVSVL	ALLALTFYKRSSKMSVFSILARLPF	IGIFVQTYLTAYYAREWG	213
NTDB id 161 SP RS10375 WP 074196785.1	YLLPQLDSS...	NIATQIIGNLPQIFLGMVGLVSVL	ALLALTFYKRSSKMSVFSILARLPF	IGIFVQTYLTAYYAREWG	213
NTDB id 529 SMSK321 RS09235 WP 080550783.1	YLLPQLDSS...	NIATQIIGNLPQIFLGMVGLVSL	TLTLLALTFYKRSSKMRVFSILARIP	FLGIFVQTYLTAYYAREWG	213
NTDB id 501 SM12261 RS00950 WP 004238896.1	YLLPQLDSS...	NIATQIIGNLPQIFLGMVGFVSVGV	LLALTFYKRSSKMRVFSILARIP	FLGIFVQTYLTAYYAREWG	213
consensus	!!!!!!***	!*!*****!*!*!*****	*****	*****!*****!*!*****!*****	

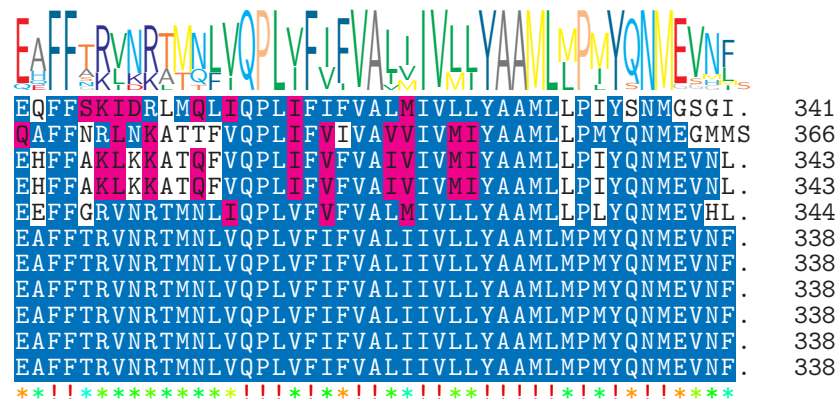
NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 41852 SALIVB RS09590 WP 155114411.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
NTDB id 430 SGO RS09415 WP 012130941.1
NTDB id 271 KZH43 RS09260 WP 074196785.1
NTDB id 230 SPD RS09890 WP 074196785.1
NTDB id 196 SPR RS09425 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 41852 SALIVB RS09590 WP 155114411.1
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

```



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