

NTDB id 587 KW2 RS10850 WP 042211510.1	MQT	DILRL	LLRPKG	KKLALIKQAK	LIQLMGNLLNNGFN	LGVINFLALSK	LVKEFVFKM	HQGLSSGKSLSE	ILESL	76
NTDB id 976795 MGAS38343 RS00680 WP 011054115.1	MISFLRQ	DISIPS	KLSL	KKLSSKHQHKFI	QLLANLLSTGFSFAE	VIQFLKRSQ	LLQLDYLKMEES	LLKGQGLAD	MLSG	80
NTDB id 395 FSA28 RS09400 WP 257638827.1	.MTFLQQ	DISLKEKHKQ	KKLKI	KQKQKVI	QLFNNLFTSGFNL	TEITDFLERSH	LLAEIYTKK	MRQGILN	GLHLAEIMSS	79
NTDB id 386 SMU RS09030 WP 255262721.1	.MTFLQQ	DISLKEKHKQ	KKLKI	KQKQKVI	QLFNNLFTSGFNL	TEITDFLERSH	LLAEIYTKK	MRQGILN	GLHLAEIMSS	79
NTDB id 430 SGO RS09415 WP 012130941.1	MISFLQ	DISILSKKQK	KKLGT	SKQKQVIEL	FNNLFTSGGFHLAET	VDFLGRSALL	EKNYVQ	QMRQGL	ANGQAFSEIMAS	80
NTDB id 271 KZH43 RS09260 WP 074196785.1		MDISQVFLR	LRKKL	LATAKQKNI	ITLNNLFTSGGFHL	VETISFLDRS	ALLDKQCVT	QMRVGLS	QKGSFSEMMESL	74
NTDB id 230 SPD RS09890 WP 074196785.1		MDISQVFLR	LRKKL	LATAKQKNI	ITLNNLFTSGGFHL	VETISFLDRS	ALLDKQCVT	QMRVGLS	QKGSFSEMMESL	74
NTDB id 196 SPR RS09425 WP 074196785.1		MDISQVFLR	LRKKL	LATAKQKNI	ITLNNLFTSGGFHL	VETISFLDRS	ALLDKQCVT	QMRVGLS	QKGSFSEMMESL	74
NTDB id 161 SP RS10375 WP 074196785.1		MDISQVFLR	LRKKL	LATAKQKNI	ITLNNLFTSGGFHL	VETISFLDRS	ALLDKQCVT	QMRVGLS	QKGSFSEMMESL	74
NTDB id 529 SMSK321 RS09235 WP 080550783.1		MDISQVFLR	LRKKL	LATAKQKNI	ITLNNLFTSGGFHL	VETISFLDRS	ALLDKQCVT	QMRVGLS	QKGSFSEMMESL	74
NTDB id 501 SM12261 RS00950 WP 004238896.1		MDISQVFLR	LRKKL	LATAKQKNI	ITLNNLFTSGGFHL	VETISFLDRS	ALLDKQCVT	QMRVGLS	QKGSFSEMMESL	74
consensus		*		*****	*****	*****	*****	*****	*****	

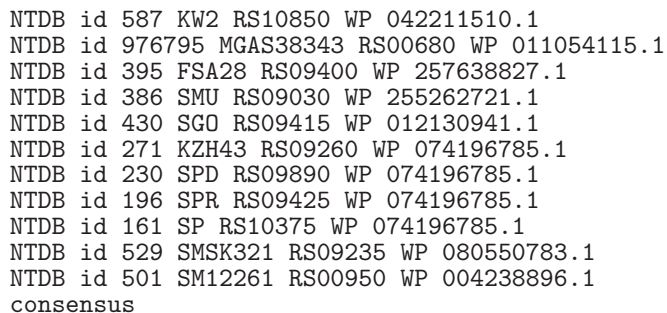
NTDB id	587 KW2 RS10850 WP 042211510.1
NTDB id	976795 MGAS38343 RS00680 WP 011054115.1
NTDB id	395 FSA28 RS09400 WP 257638827.1
NTDB id	386 SMU RS09030 WP 255262721.1
NTDB id	430 SGO RS09415 WP 012130941.1
NTDB id	271 KZH43 RS09260 WP 074196785.1
NTDB id	230 SPD RS09890 WP 074196785.1
NTDB id	196 SPR 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	NHLPLVFFSVGALIVLLTSLSTIIIFKHISALTNFITFLVKVPLVSSFIRLYLTAYFSREWGNLIAGQVELRQTIELMKKQK	236
NTDB id	976795 MGAS38343 RS00680 WP 011054115.1	NHFPAFFIGFCSGLILLFGMVWLRWRSQSRLKLYSRLSRYPFLGKLLKQYLTSSYYAREWGTLIGQGLDLMTILDIMAIEK	239
NTDB id	395 FSA28 RS09400 WP 257638827.1	SNFPILFLLGCCFFILLVGIFTFFSRKISRHLHLIGFCSHLPFVGKYLQLYLTAYYAREWGNLIGQGVEMAQIVRLMQDQK	238
NTDB id	386 SMU RS09030 WP 255262721.1	SNFPILFLLGCCFFILLVGIFTFFSRKISRHLHLIGFCSHLPFAGKYLLQLYLTAYYAREWGNLIGQGVEMAQIVRLMQDQK	238
NTDB id	430 SGO RS09415 WP 012130941.1	GHLPTIFLLTVLMLLGLTGAIYLVFKGQKRIPVYSFLARLPFGSFVRIRIYLTAYYAREWGNMIGQGLELSQIFQMIMEQR	239
NTDB id	271 KZH43 RS09260 WP 074196785.1	GNLPQIFLGMVGLVSVLALLALTIFYKRSSKMVSFSILARLPFIGIFVQTYLTAYYAREWGNMISQGMELTQIFQMMQEQQ	233
NTDB id	230 SPD RS09890 WP 074196785.1	GNLPQIFLGMVGLVSVLALLALTIFYKRSSKMVSFSILARLPFIGIFVQTYLTAYYAREWGNMISQGMELTQIFQMMQEQQ	233
NTDB id	196 SPR RS09425 WP 074196785.1	GNLPQIFLGMVGLVSVLALLALTIFYKRSSKMVSFSILARLPFIGIFVQTYLTAYYAREWGNMISQGMELTQIFQMMQEQQ	233
NTDB id	161 SP RS10375 WP 074196785.1	GNLPQIFLGMVGLVSVLALLALTIFYKRSSKMVSFSILARLPFIGIFVQTYLTAYYAREWGNMISQGMELTQIFQMMQEQQ	233
NTDB id	529 SMSK321 RS09235 WP 080550783.1	GNLPQIFLGMVGLVSLTLALLALTIFYKRSSKMRVFSILARIPFLGIFVQTYLTAYYAREWGNMISQGMELTQIFQIMQEQQ	233
NTDB id	501 SM12261 RS00950 WP 004238896.1	GNLPQIFLGMGVFVSGVLLALTIFYKRSSKMRVFSILARIPFLGIFVQTYLTAYYAREWGNMISQGMELTQIFQIMQEQQ	233
consensus		*****!***** ***** *****!*****!*****!*****!*****!*****!*****!*****!*****!	

```

NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 976795 MGAS38343 RS00680 WP 011054115.1
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