

[illegible]

NTDB id	587 KW2 RS10850 WP 042211510.1	SFSKNVVTQLALVEVHGNLVGTMQLVELHLKKQKLKVKKKLIEVATYPVVLLVFLIGITMWGLKNYLLPQLDKGNVFATLLI	156
NTDB id	977411 MGAS37847 RS00665 WP 011054115.1	GFSDAILTQISLADRHGNIETTLVAIQHYLNQMARIIRRTVEVITYPLILLFLFVMMLGLRRIYVPQLETQ.NQITYFL	159
NTDB id	395 FSA28 RS09400 WP 257638827.1	GFSDDVVTQLALSEVHGNTQKSLLKIESYLNLIILVKKKLVEVITYPTIILLIFLVVIMLGLKNYLLPQLKKG.NFATRLI	158
NTDB id	386 SMU RS09030 WP 255262721.1	GFSDDVVTQLALSEVHGNTQKSLLKIESYLNLIILVKKKLVEVITYPTIILLIFLVVIMLGLKNYLLPQLERG.NFATRLI	158
NTDB id	430 SGO RS09415 WP 012130941.1	GFSDAVVTQLSLAELHGNLSLALLKIEEYLDNLAKVKKKLEIVATYPMMLLGFLVLIMIGLRNYLLPQLSSQ.NFATQLI	159
NTDB id	271 KZH43 RS09260 WP 074196785.1	GCSSAIVTQSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLEIVATYPLILLGFLLIMLGLRNYLLPQLDSS.NIATQII	153
NTDB id	230 SPD RS09890 WP 074196785.1	GCSSAIVTQSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLEIVATYPLILLGFLLIMLGLRNYLLPQLDSS.NIATQII	153
NTDB id	196 SPR RS09425 WP 074196785.1	GCSSAIVTQSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLEIVATYPLILLGFLLIMLGLRNYLLPQLDSS.NIATQII	153
NTDB id	161 SP RS10375 WP 074196785.1	GCSSAIVTQSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLEIVATYPLILLGFLLIMLGLRNYLLPQLDSS.NIATQII	153
NTDB id	529 SMSK321 RS09235 WP 080550783.1	GFSSAIVTQSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLEIVATYPLILLGFLLSIMLGLRNYLLPQLDSS.NIATQII	153
NTDB id	501 SM12261 RS00950 WP 004238896.1	GFSSAIVTQSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLEIVATYPLILLGFLLIMLGLRNYLLPQLDSS.NIATQII	153
consensus		* * * * *	

NTDB id 587 KW2 RS10850 WP 042211510.1	NHLPLVFFSVGALIVLLTSLIIIFKHISALTNFITFLVKVPLVSSFIRLYLTAYFSREWGNLIAGQVELRQTIELMKKQK	236
NTDB id 977411 MGAS37847 RS00665 WP 011054115.1	NHFPAFFIGFCSGLILLFGMVWLRWRSQSRLKLYSRLSRYPFLGKLLKQYLTSSYYAREWGTLIGQGGLDMTILDIAMAEK	239
NTDB id 395 FSA28 RS09400 WP 257638827.1	SNFPILFLLGCCFFILLVGIFTTFFSRKISRHLHIGFCSHLPFVGKYLQLYLTAYYAREWGNLIGQGVEMAQIVRLMQDQK	238
NTDB id 386 SMU RS09030 WP 255262721.1	SNFPILFLLGCCFFILLVGIFTTFFSRKISRHLHIGFCSHLPFAGKYLLQLYLTAYYAREWGNLIGQGVEMAQIVRLMQDQK	238
NTDB id 430 SGO RS09415 WP 012130941.1	GHLPTIFLLTVMLLGLTGAIYLVFKGQKRIPVYSFLARLPFVGSFVRILYLTAYYAREWGNMIGQGLELSQIFQMIMEQR	239
NTDB id 271 KZH43 RS09260 WP 074196785.1	GNLPQIFLGMVGLVSVLALLALTIFYKRSKMMSVFSILARLPFIGIFVQTYLTAYYAREWGNMISQGMELTQIFQMMQEQQ	233
NTDB id 230 SPD RS09890 WP 074196785.1	GNLPQIFLGMVGLVSVLALLALTIFYKRSKMMSVFSILARLPFIGIFVQTYLTAYYAREWGNMISQGMELTQIFQMMQEQQ	233
NTDB id 196 SPR RS09425 WP 074196785.1	GNLPQIFLGMVGLVSVLALLALTIFYKRSKMMSVFSILARLPFIGIFVQTYLTAYYAREWGNMISQGMELTQIFQMMQEQQ	233
NTDB id 161 SP RS10375 WP 074196785.1	GNLPQIFLGMVGLVSVLALLALTIFYKRSKMMSVFSILARLPFIGIFVQTYLTAYYAREWGNMISQGMELTQIFQMMQEQQ	233
NTDB id 529 SMSK321 RS09235 WP 080550783.1	GNLPQIFLGMVGLVSLTLTLLALTIFYKRSKMRRVFSILARIPFLGIFVQTYLTAYYAREWGNMISQGMELTQIFQIMQEQQ	233
NTDB id 501 SM12261 RS00950 WP 004238896.1	GNLPQIFLGMVGFVSVGVLLALTIFYKRGSKMRVFSILARIPFLGIFVQTYLTAYYAREWGNMISQGMELTQIFQIMQEQQ	233
consensus	*****!***** ***** *****!*****!*****!*****!*****!*****!*****!	

```

NTDB id 587 KW2 RS10850 WP 042211510.1
NTDB id 977411 MGAS37847 RS00665 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
NTDB id 977411 MGAS37847 RS00665 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