

NTDB id	587	KW2 RS10850 WP 042211510.1	MQTDLRLLRPKGKKLALIKQAKLIQLMGNLLNNGFNLGVINFLALSKLVEKEHFVFKMHQGLSSGKSLSEILE	74
NTDB id	32905	SUB RS00735 WP 172631729.1	MINGIKRLSNFNLNKDISITKKPSWKKLKAKQQYQLIKLLHNLISLGGFNLMEMVSFLEKAHLLENHFVQRMKIDLMNCRDISEMMA	85
NTDB id	395	FSA28 RS09400 WP 257638827.1	MTFLQQDISLKEKHKKQKKLKIKKQKRKVIIQLFNNFLFTSGFNLTEIIDFLERSHLLAEIYTCKMRQGILLNGLHLAETMS	77
NTDB id	386	SMU RS09030 WP 255262721.1	MTFLQQDISLKEKHKKQKKLKIKKQKRKVIIQLFNNFLFTSGFNLTEIIDFLERSHLLAEIYTCKMRQGILLNGLHLAETMS	77
NTDB id	430	SGO RS09415 WP 012130941.1	MISFLQQDISILSKKQKQKKLGTSSKKQVIELFNLFSSGFHLAETVDPLGRSALLDKNYVQQMRQGLANGQAQFSSEIMA	78
NTDB id	271	KZH43 RS09260 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMRVGLSQGKSFSSEMME	72
NTDB id	230	SPD RS09890 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMRVGLSQGKSFSSEMME	72
NTDB id	196	SPR RS09425 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMRVGLSQGKSFSSEMME	72
NTDB id	161	SP RS10375 WP 074196785.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMRVGLSQGKSFSSEMME	72
NTDB id	529	SMSK321 RS09235 WP 080550783.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMRTDLSQGKSFSSEMME	72
NTDB id	501	SM12261 RS00950 WP 004238896.1	MDISQVFRLRRKKLATAKQKNIIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQMRAGLSQGKSFSSEMME	72
consensus			* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *	

[illegible]

NTDB	id	587	KW2	RS10850	WP	042211510.1	PLVFFSVGALIVLLTSLSI	IIFKHIS	SALTNTFTFLVKVPLV	VSSFIRLYLTAYFS	REWGNLIA	QGVELRQITIEL	MKKQKSRI	FAE	V	244
NTDB	id	32905	SUB	RS00735	WP	172631729.1	PTVLLLTFFFAMIAV	VIFLRLCWRKKS	QLKQLLVYSKIPL	LSAVLQLYLTAYY	AREWGNLIA	QGVELATILQL	MQKEKSVLM	REM	G	254
NTDB	id	395	FSA28	RS09400	WP	257638827.1	PILFLLGCCFFILL	LVGIFTFFSRKIS	IRLHLIGFCSHLP	PFVGKYLQLYLT	AYYAREWGNLI	GQGVEMAQIV	RLMQDQKSQ	LFRE	I	246
NTDB	id	386	SMU	RS09030	WP	255262721.1	PILFLLGCCFFILL	LVGIFTFFSRKIS	IRLHLIGFCSHLP	PFAGKYLQLYLT	AYYAREWGNLI	GQGVEMAQIV	RLMQDQKSQ	LFRE	I	246
NTDB	id	430	SGO	RS09415	WP	012130941.1	PTIFLLTVLMLLGL	LGTGAIYLVFKQ	KRIPVYSFLARLP	FGFSVRIYLTAY	YAREWGNMIG	QGLLTSQIFQ	IMQEQRSVL	FQEI	G	247
NTDB	id	271	KZH43	RS09260	WP	074196785.1	PQIFLGMVGLVSV	LALLALTIFYKRS	SKMSVFSILARLP	FIGIFVQTYLT	AYYAREWGNMIS	QGMELTQIFQ	MMQEQQS	QLFKE	V	241
NTDB	id	230	SPD	RS09890	WP	074196785.1	PQIFLGMVGLVSV	LALLALTIFYKRS	SKMSVFSILARLP	FIGIFVQTYLT	AYYAREWGNMIS	QGMELTQIFQ	MMQEQQS	QLFKE	V	241
NTDB	id	196	SPR	RS09425	WP	074196785.1	PQIFLGMVGLVSV	LALLALTIFYKRS	SKMSVFSILARLP	FIGIFVQTYLT	AYYAREWGNMIS	QGMELTQIFQ	MMQEQQS	QLFKE	V	241
NTDB	id	161	SP	RS10375	WP	074196785.1	PQIFLGMVGLVSV	LALLALTIFYKRS	SKMSVFSILARLP	FIGIFVQTYLT	AYYAREWGNMIS	QGMELTQIFQ	MMQEQQS	QLFKE	V	241
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	PQIFLGMVGLVSL	LLTLLALTIFYKRS	SKMRVFSILARIP	FLGIFVQTYLT	AYYAREWGNMIS	QGMELTQIFQ	IMQEQQS	QLFKE	I	241
NTDB	id	501	SM12261	RS00950	WP	004238896.1	PQIFLGMVGFVS	GVLLLALTIFYKRG	SKMRVFSILARIP	FLGIFVQTYLT	AYYAREWGNMIS	QGMELTQIFQ	IMQEQQS	QLFKE	I	241
consensus							!*****	*****	***	*****	!*****	!!!!	****	!!!!	!*	!

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NTDB id 587 KW2 RS10850 WP 042211510.1	IKLIDLGLKAGQNFQAVSHFSIFLPELSLMIEYGAIKDKLGLLELSVYADECWEEQFFSKIDRLMQLIQPLIFIFVALMIVLLYAAM	329
NTDB id 32905 SUB RS00735 WP 172631729.1	STMEKALLEGKSFQSVGIFPFFKRELSLMIEYGEIKGKLGQELDIYAQVSWENYFRKLRQMTQWLQPLIFILVAIIIVMIYAAM	339
NTDB id 395 FSA28 RS09400 WP 257638827.1	YDMEKALLSGQEFHQKVLDPFFLKELSLMIEYGEVKSCLGNELEIYAEETWEHFFAKLKKATQFVQPLIFVFVAIVIVMIYAAM	331
NTDB id 386 SMU RS09030 WP 255262721.1	YDMEKALLSGQEFHQKVLDPFFLKELSLMIEYGEVKSCLGNELEIYAEETWEHFFAKLKKATQFVQPLIFVFVAIVIVMIYAAM	331
NTDB id 430 SGO RS09415 WP 012130941.1	QDLGQALQNGQEFSDKIASYPFFKKELSLIIEYGEVKSCLGSELEIYALKTWEEFFGRVNRMTMNLIQPLVFVFVALMIVLLYAAM	332
NTDB id 271 KZH43 RS09260 WP 074196785.1	QDLAQTLKNGREFSQTIGTYPFFRKELSLIIEYGEVKSCLGSELEIYAEKTWEAFFTRVNRMTMNLVQPLVFIFVALIIVLLYAAM	326
NTDB id 230 SPD RS09890 WP 074196785.1	QDLAQTLKNGREFSQTIGTYPFFRKELSLIIEYGEVKSCLGSELEIYAEKTWEAFFTRVNRMTMNLVQPLVFIFVALIIVLLYAAM	326
NTDB id 196 SPR RS09425 WP 074196785.1	QDLAQTLKNGREFSQTIGTYPFFRKELSLIIEYGEVKSCLGSELEIYAEKTWEAFFTRVNRMTMNLVQPLVFIFVALIIVLLYAAM	326
NTDB id 161 SP RS10375 WP 074196785.1	QDLAQTLKNGREFSQTIGTYPFFRKELSLIIEYGEVKSCLGSELEIYAEKTWEAFFTRVNRMTMNLVQPLVFIFVALIIVLLYAAM	326
NTDB id 529 SMSK321 RS09235 WP 080550783.1	QDLAQSLQNGREFSQTITATYPFFKKELSLIIEYGEVKSCLGSELEIYAEKTWEAFFTRVNRMTMNLVQPLVFIFVALIIVLLYAAM	326
NTDB id 501 SM12261 RS00950 WP 004238896.1	QDMAHALQNGQEFSDKIASYPFFKKELSLIIEYGEVKSCLGSELEIYAEKTWEAFFTRVNRMTMNLVQPLVFIFVALIIVLLYAAM	326
consensus	*****! *!***!*****!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 587 KW2 RS10850 WP 042211510.1	LLPIYSNMGSGI	341
NTDB id 32905 SUB RS00735 WP 172631729.1	LLPMYQTIGGEI	351
NTDB id 395 FSA28 RS09400 WP 257638827.1	LLPIYQNMEVNL	343
NTDB id 386 SMU RS09030 WP 255262721.1	LLPIYQNMEVNL	343
NTDB id 430 SGO RS09415 WP 012130941.1	LLPLYQNMEVHL	344
NTDB id 271 KZH43 RS09260 WP 074196785.1	LMPMYQNMEVNF	338
NTDB id 230 SPD RS09890 WP 074196785.1	LMPMYQNMEVNF	338
NTDB id 196 SPR RS09425 WP 074196785.1	LMPMYQNMEVNF	338
NTDB id 161 SP RS10375 WP 074196785.1	LMPMYQNMEVNF	338
NTDB id 529 SMSK321 RS09235 WP 080550783.1	LMPMYQNMEVNF	338
NTDB id 501 SM12261 RS00950 WP 004238896.1	LMPMYQNMEVNF	338
consensus	!***!*****	

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved