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NTDB id 1361 HI 0985 AAC22646.1	MNDITITTLRLIMQVPKLGVGITDKILSNITLNE	LNYYDIV.....AFRQMGWGA.IQIRRWFKPEAKKFIIPALV...WS	70
NTDB id 626 LCA RS04960 WP 011374694.1	MLTKNQQLLLKVVHLAAGFGTISELR.....	LAAWLSTSHNWALSALEIAQIARLPERYWPTFQASHQSTTLQRQCID	71
NTDB id 599 KW2 RS05940 WP 021037268.1	.MITNFDLFRW.KKAGMTNLGVNK.....	LLKFFRK.YDRKISLRQMGQVAQVK..SIPNFIQYKQDVK.KLRA	65
NTDB id 525 SMSK321 RS06295 WP 000705298.1	MKAITNVEIYKL.KKSGLTNQQILK.....	VLEYGEN.VDQELLGLDIAISGCR..NPAVFMERYFQIDDA.HLEK	66
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKAITNVEIYKL.KKSGLTNQQILK.....	VLEYGEN.VDQELLGLDIAISGCR..NPAVFMERYFQIDDA.HLSK	66
NTDB id 226 SPD RS05990 WP 000705306.1	MKAITNVEIYKL.KKSGLTNQQILK.....	VLEYGEN.VDQELLGLDIAISGCR..NPAVFMERYFQIDDA.HLSK	66
NTDB id 192 SPR RS05715 WP 000705306.1	MKAITNVEIYKL.KKSGLTNQQILK.....	VLEYGEN.VDQELLGLDIAISGCR..NPAVFMERYFQIDDA.HLSK	66
NTDB id 157 SP RS06205 WP 000705306.1	MKAITNVEIYKL.KKSGLTNQQILK.....	VLEYGEN.VDQELLGLDIAISGCR..NPAVFMERYFQIDDA.HLSK	66
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKAITNVEIYKL.KKSGLTNQQLA.....	VLEYGEN.VDQELLGLDIAISGCR..NPAVFMERYFQIDDA.HLEK	66
NTDB id 136376 GBS85147 RS04775 WP 001015250.1	..MNHFFELFKL.KKAGLTNLTNN.....	ITNYLKKNSLTSLSVRNMAVVSCKK..NPTFFIENYKQLDLK.KLRQ	65
NTDB id 407 SMU RS04605 WP 002262865.1	..MDNFQLFKL.KKAGLTNLTNN.....	IIDYEER.TQKSLSLRDMAVVSKNK..KPLIFMEHYKNLDSK.ALRK	64
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NTDB id 1361 HI 0985 AAC22646.1	QKEGNHLVNYFSPFYPELLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTTISGLALG	150
NTDB id 626 LCA RS04960 WP 011374694.1	HEVHTTYLTILDKDYPQRILLETYLPVLLFYRGDLRLLLKQPCLAVVGARQATHYSKQSLEQLLQGLT.A.TTITISGLAQG	149
NTDB id 599 KW2 RS05940 WP 021037268.1	DYKKFSSFSILDDLYPERLREIYNPPVLTIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLAKG	144
NTDB id 525 SMSK321 RS06295 WP 000705298.1	EFKKIIPFSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKAVVGSRSCKSQGAKSVEKVIQGLE.NELVIVSGLAKG	145
NTDB id 267 KZH43 RS05590 WP 000705306.1	EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKG	145
NTDB id 226 SPD RS05990 WP 000705306.1	EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKAVVGSRA	145
NTDB id 192 SPR RS05715 WP 000705306.1	EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKAVVGSRA	145
NTDB id 157 SP RS06205 WP 000705306.1	EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKAVVGSRA	145
NTDB id 497 SM12261 RS05565 WP 000705318.1	EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKAVVGSRA	145
NTDB id 136376 GBS85147 RS04775 WP 001015250.1	EFKKFVLSILDSNYPLELKEIYNPPVLLFYQGNIELLSKPKLAVVGARQASQIGCQSVKKTIKETN.NQFVIVSGLARG	144
NTDB id 407 SMU RS04605 WP 002262865.1	EFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKTIQDLS.KQFVIISGLARG	143
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NTDB id 1361 HI 0985 AAC22646.1	IDGHCHQAVVNIQQQTIAVLGSGLEQIYPSKHQRLSAQIITENNGALVSEFLPNQAPITAANFPRNRRIISGLSVGTLVVEA	230
NTDB id 626 LCA RS04960 WP 011374694.1	ADAMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQ.QVVAEKGLLLSEYALGTPARRYQFPARNKIIAGLCHSLIVTEA	228
NTDB id 599 KW2 RS05940 WP 021037268.1	IDTASHLSAIIKTKTPTIAVIGTGLDIFYPLENRKIQ.EYLAQYQLVLSEYSLGEKPLKYHFFERNRIIAGLSRGVVVVEA	223
NTDB id 525 SMSK321 RS06295 WP 000705298.1	IDTAAHMAALQNGGKTIHAVIGTGLDVFPKANKRLQ.DYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA	224
NTDB id 267 KZH43 RS05590 WP 000705306.1	IDTAAHMAALQNGGKTIHAVIGTGLDVFPKANKRLQ.DYICNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA	224
NTDB id 226 SPD RS05990 WP 000705306.1	IDTAAHMAALQNGGKTIHAVIGTGLDVFPKANKRLQ.DYICNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA	224
NTDB id 192 SPR RS05715 WP 000705306.1	IDTAAHMAALQNGGKTIHAVIGTGLDVFPKANKRLQ.DYICNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA	224
NTDB id 157 SP RS06205 WP 000705306.1	IDTAAHMAALQNGGKTIHAVIGTGLDVFPKANKRLQ.DYICNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA	224
NTDB id 497 SM12261 RS05565 WP 000705318.1	IDTAAHMAALQNGGKTIHAVIGTGLDVFPKANKRLQ.DYICNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA	224
NTDB id 136376 GBS85147 RS04775 WP 001015250.1	IDTAAHVSAALKNGGSSIAVIGSGLDVYPTENKKLQ.EYMSYNHLVLSEYFTGEQPLKFHFPARNRIIAGLCQGITVVEA	223
NTDB id 407 SMU RS04605 WP 002262865.1	IDTAAHLASLSKSGGATIAVIGTGLDVHYPKENRRLQ.DYIAKNHLLSEYEASQPLKYHFFERNRIIAGLSQGVIVAEA	222
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NTDB id 1361 HI 0985 AAC22646.1	TEKSGSLITARYALEQNRREVFAVPGNIQNKSSQGCHRLIKCGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPP	310
NTDB id 626 LCA RS04960 WP 011374694.1	RHKSGSLITANLALQANRVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNILIEELRYFD.....	288
NTDB id 599 KW2 RS05940 WP 021037268.1	KLRSGSLITCERALEEGRDIFAIPGNIADGTSDCGNHLIQCGAKLVYQAQDILEEVLN.....	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 157 SP RS06205 WP 000705306.1	KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 136376 GBS85147 RS04775 WP 001015250.1	KMRSGSLITCERALEEGRVFAIPGNIIDGKSDGCHHLIQEGAKCITSGKDILSEYQ.....	280
NTDB id 407 SMU RS04605 WP 002262865.1	KIRSGSLITCERAMEEGRDVFAIPGNIIDGQSEGCHHLIQEGAKCITSGFDILNEFN.....	280
consensus	*****!!!!!!*****!*****!*****!*****!*****!*****!*****!*****	

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NTDB id 1361 HI 0985 AAC22646.1	PDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEFEFNLSVDVLLVQLLDLELQDLIISENGLYKRV	373
NTDB id 626 LCA RS04960 WP 011374694.1	.....	288
NTDB id 599 KW2 RS05940 WP 021037268.1	.....	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	.....	282
NTDB id 157 SP RS06205 WP 000705306.1	.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	.....	282
NTDB id 136376 GBS85147 RS04775 WP 001015250.1	.....	280
NTDB id 407 SMU RS04605 WP 002262865.1	.....	280
consensus		

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