

NTDB id 1250 GC085 RS13065 WP 027219989.1	..MNNLQPLLA	LNRMKRIGP....RTVLKLQKRWPDNL	LMFQLSSV	DLEEAGLPSWLA	QTIKNFDPDF	IKTDLNLWSSS	73
NTDB id 599 KW2 RS05940 WP 021037268.1	.MITNFD....	LFRWKKAGMTNLG	VNKLKFFRKYDRK	ISLRQM..	GQVAQVK	SIPNFIEQYKNQDVKKLRADYK	71
NTDB id 525 SMSK321 RS06295 WP 000705298.1	MKITNYE....	IYKLKKSGLTNQ	QILKVLEYGENVD	QELLGDI..	ADISGCRNP	PAVFMERYFQIDDAHLEKEFKK	72
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQ	QILKVLEYGENVD	QELLGDI..	ADISGCRNP	PAVFMERYFQIDDAHLSKEFQKFP	72
NTDB id 226 SPD RS05990 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQ	QILKVLEYGENVD	QELLGDI..	ADISGCRNP	PAVFMERYFQIDDAHLSKEFQKFP	72
NTDB id 192 SPR RS05715 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQ	QILKVLEYGENVD	QELLGDI..	ADISGCRNP	PAVFMERYFQIDDAHLSKEFQKFP	72
NTDB id 157 SP RS06205 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQ	QILKVLEYGENVD	QELLGDI..	ADISGCRNP	PAVFMERYFQIDDAHLSKEFQKFP	72
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKITNYE....	IYKLKKSGLTNQ	QILKVLEYGENVD	QELLGDI..	ADISGCRNP	PAVFMERYFQIDDAHLSKEFQKFP	72
NTDB id 145808 SpyM6D471 RS04670 WP 011184519.1	..MNHFE....	LYKLKKAAGLTN	KNILNILDYQEHQ	EKSLSLRDM..	AVVSGCKHP	SHFIEAYKQLDIQKLKMEFKQFP	70
NTDB id 407 SMU RS04605 WP 002262865.1	..MDNfq....	LFLKLLKAGLTN	LNILNLIIDYEERT	QKSLSRDM..	AVVSKNK	KPLIFMEHYKNLDSKALRKEFNRF	70
consensus	*****	*****!*****	*****	*****	*****	*****	

[illegible]

NTDB id 1250 GC085 RS13065 WP 027219989.1	AHAHLGCGLEGGGKTIIVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPFIAGHFPLRRNRIISGLSLCILVIEAAIK	233
NTDB id 599 KW2 RS05940 WP 021037268.1	TASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPDKVFHFPERNRIIAGLSRGVVVEAKLR	226
NTDB id 525 SMSK321 RS06295 WP 000705298.1	TAAHMAALQNGGKTIIVIGTGDLDFYPKANRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 267 KZH43 RS05590 WP 000705306.1	TAAHMAALQNGGKTIIVIGTGDLDFYPKANRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 226 SPD RS05990 WP 000705306.1	TAAHMAALQNGGKTIIVIGTGDLDFYPKANRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 192 SPR RS05715 WP 000705306.1	TAAHMAALQNGGKTIIVIGTGDLDFYPKANRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 157 SP RS06205 WP 000705306.1	TAAHMAALQNGGKTIIVIGTGDLDFYPKANRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 497 SM12261 RS05565 WP 000705318.1	TAAHMAALQNGGKTIIVIGTGDLDFYPKANRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 145808 SpyM6D471 RS04670 WP 011184519.1	TSAHLACLKNGGQTIIIGTGDLRFYPKENRELQTFLGKNHVLVT EYGPREEALS YHFPERNRIIAGLSRCILVVEAKNR	225
NTDB id 407 SMU RS04605 WP 002262865.1	TAAHLASLKSGGATIAVIGTGDLDFYPKENRRRLQDYIAKNHLLSEYEASQQLPKVFHFPERNRIIAGLSQGVVMVAEAKIR	225
consensus	***** ! ! ! ! ! * ! ! ! ! ! * ! ! ! ! ! * ! ! ! ! ! * ! ! ! ! ! * ! ! ! ! ! * ! ! ! ! ! *	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	313
NTDB id 599 KW2 RS05940 WP 021037268.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	282
NTDB id 226 SPD RS05990 WP 000705306.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	282
NTDB id 192 SPR RS05715 WP 000705306.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	282
NTDB id 157 SP RS06205 WP 000705306.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	282
NTDB id 145808 SpyM6D471 RS04670 WP 011184519.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	278
NTDB id 407 SMU RS04605 WP 002262865.1	SGSLITCERAMEEGRDVFALPGSLDGLSDGCHHLIQEGAKLVTSQGDVLAEEF	280
consensus	!!!!!!*****!*****!*!*****!*!*****!*!*****!*!*****!*!*****!*!*****	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	361
NTDB id 599 KW2 RS05940 WP 021037268.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	282
NTDB id 226 SPD RS05990 WP 000705306.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	282
NTDB id 192 SPR RS05715 WP 000705306.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	282
NTDB id 157 SP RS06205 WP 000705306.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	282
NTDB id 145808 SpyM6D471 RS04670 WP 011184519.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	278
NTDB id 407 SMU RS04605 WP 002262865.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	280
consensus		

- X non conserved
- X similar
- X ≥ 50% conserved