

NTDB id	1250 GC085 RS13065 WP 027219989.1	..MNNLQLPLLA ⁺ NRMKRI ⁺ GPP...RTVLKLQKRWPDNL ⁺ MFQLSSVDLEEAGLP ⁺ SWLAQTIKNFDPDFIKTDLNWLSSS	73
NTDB id	599 KW2 RS05940 WP 021037268.1	.MITNFD....LFRWKKGAGMTNLGVNKLLKFFRKYDRKISLRQM..GQVAQVK ⁺ SIPNFIEQYKNQDVKKLRADYKKFS..	71
NTDB id	525 SMSX321 RS06295 WP 000705298.1	MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNP ⁺ AVFMERYFQIDDAHLEKEFKKIP..	72
NTDB id	267 KZH43 RS05590 WP 000705306.1	MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNP ⁺ AVFMERYFQIDDAHL ⁺ SKEFQKFP..	72
NTDB id	226 SPD RS05990 WP 000705306.1	MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNP ⁺ AVFMERYFQIDDAHL ⁺ SKEFQKFP..	72
NTDB id	192 SPR RS05715 WP 000705306.1	MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNP ⁺ AVFMERYFQIDDAHL ⁺ SKEFQKFP..	72
NTDB id	157 SP RS06205 WP 000705306.1	MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNP ⁺ AVFMERYFQIDDAHL ⁺ SKEFQKFP..	72
NTDB id	497 SM12261 RS05565 WP 000705318.1	MKITNYE....IYKLKKSGLTNQQVLA ⁺ VLEYGENVDQELLGDI..AEISGCRNP ⁺ AVFMERYFQIDDAHLEKEFQKFP..	72
NTDB id	1138471 DQM47 RS04650 WP 023079425.1	..MNHFEE....LYKLKKA ⁺ GLTNKNILNI ⁺ LDDYQEHEKSLSLRDM..AVVSGCKHP ⁺ SHFTIAYKQLDIIQKLMEFKQFP..	70
NTDB id	407 SMU RS04605 WP 002262865.1	..MDNFC....LFKLKKA ⁺ GLTNKNILNI ⁺ IDYEERTQKSLSLRDM..AVVSKNK ⁺ KPLIFMEHYKNLDSKALRKEFNRF..	70
consensus		*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

[illegible]

NTDB id	1250 GC085 RS13065 WP 027219989.1	AH A H L G C L E G G K T I A V L G T G D C I Y P R R H L K L A F Q T I T E N G L L S E F P L K S P P I A G H F P L R N R I I S G L S L C I L V I E A A I K	233
NTDB id	599 KW2 RS05940 WP 021037268.1	T A S H L S A I K T K T P T I A V I G T G L D I F Y P L E N R K I Q E Y L A K Y Q L V L S E Y S L G E K P L K V H F P E R N R I I A G L S R G V V V V E A K L R	226
NTDB id	525 SMSK321 RS06295 WP 000705298.1	T A A H M A A L Q N G G K T I A V I G T G L D V F Y P K A N K R L Q D Y I S N D H L V L S E Y G P G E Q P L K F H F P A R N R I I A G L C R G V I A E A K M R	227
NTDB id	267 KZH43 RS05590 WP 000705306.1	T A A H M A A L Q N G G K T I A V I G T G L D V F Y P K A N K R L Q D Y I G N D H L V L S E Y G P G E Q P L K F H F P A R N R I I A G L C R G V I A E A K M R	227
NTDB id	226 SPD RS05990 WP 000705306.1	T A A H M A A L Q N G G K T I A V I G T G L D V F Y P K A N K R L Q D Y I G N D H L V L S E Y G P G E Q P L K F H F P A R N R I I A G L C R G V I A E A K M R	227
NTDB id	192 SPR RS05715 WP 000705306.1	T A A H M A A L Q N G G K T I A V I G T G L D V F Y P K A N K R L Q D Y I G N D H L V L S E Y G P G E Q P L K F H F P A R N R I I A G L C R G V I A E A K M R	227
NTDB id	157 SP RS06205 WP 000705306.1	T A A H M A A L Q N G G K T I A V I G T G L D V F Y P K A N K R L Q D Y I G N D H L V L S E Y G P G E Q P L K F H F P A R N R I I A G L C R G V I A E A K M R	227
NTDB id	497 SM12261 RS05565 WP 000705318.1	T A A H M A A L Q N G G K T I A V I G T G L D V F Y P K A N K R L Q D Y I G N D H L V L S E Y G P G E Q P L K F H F P A R N R I I A G L C R G V I A E A K M R	227
NTDB id	1138471 DQM47 RS04650 WP 023079425.1	T S A H L A C L K N G G Q T I A T I G T G L D R F Y P K E N E L Q T F L G K N H L V L T E Y G P G E A L S Y H F P E R N R I I A G L S R G I L V E A K N R	225
NTDB id	407 SMU RS04605 WP 002262865.1	T A A H L A S L K S G G A T I A V I G T G L D V H Y P K E N R R L Q D Y I A K N H L L S E Y E A Q S Q P L K V H F P E R N R I I A G L S Q G V M V A E A K I R	225
consensus		* * * * *	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	313
NTDB id 599 KW2 RS05940 WP 021037268.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	282
NTDB id 226 SPD RS05990 WP 000705306.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	282
NTDB id 192 SPR RS05715 WP 000705306.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	282
NTDB id 157 SP RS06205 WP 000705306.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	282
NTDB id 1138471 DQM47 RS04650 WP 023079425.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	278
NTDB id 407 SMU RS04605 WP 002262865.1	SGSLITCERAMEEGRDVFALPGSILDLGSDGCHHLIQEGAKLVTSQDVLAEFEF	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 1138471 DQM47 RS04650 WP 023079425.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	278
NTDB id 407 SMU RS04605 WP 002262865.1	GFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	280
consensus		

- non conserved
- similar
- ≥ 50% conserved