

[illegible]

NTDB id	1361 HI 0985 AAC22646.1	.QKEGNHLVNYFSPFY	PFL	LKQTASFPPLLFVKGNLTALSQRQMAMVGSR	YCTTYG	EYWAKHFATELSLAGFTITSGLAL	GIDGH	154		
NTDB id	1250 GC085 RS13065 WP 027219989.1	SSENHHILTWDSPLY	PALLKEIADPPFI	LYAKGELSALTQPSLAIVGSRNA	SVTCNENARAFSRETSRHGV	SIVSGLAL	GIDAH	155		
NTDB id	27463 LLMG RS06455 WP 011835152.1	SSFSILD	DLLYPERLR	EINPVPVLI	FYQGNI	DLLENPKLA	FVGSRLAGQS	GIAVQKI	VTELN.QSFTIVSGLAKGIDTA	148
NTDB id	599 KW2 RS05940 WP 021037268.1	SSFSILD	DLLYPERLR	EINPVPVLI	FYQGNI	DLLENPKLA	FVGSRLAGQS	GIAVQKI	VTELN.QSFTIVSGLAKGIDTA	148
NTDB id	407 SMU RS04605 WP 002262865.1	PSLSILD	KEYPLELKN	IYNPPVLLFY	QGDLDLAR	KPLAVVGSRNA	SQMGCAVA	AVKKII	IQDLS.KGFVIISGLARGIDTA	147
NTDB id	525 SMSK321 RS06295 WP 000705298.1	PSFSILD	DCYPWDLSEI	YDAPVLLFY	KGNLDLLKF	PKVAVVGSRS	CSKQGA	KSVEKV	IQGLE.NELVIVSGLAKGIDTA	149
NTDB id	267 KZH43 RS05590 WP 000705306.1	PSFSILD	DCYPWDLSEI	YDAPVLLFY	KGNLDLLKF	PKVAVVGSRA	CSKQGA	KSVEKV	IQGLE.NELVIVSGLAKGIDTA	149
NTDB id	226 SPD RS05990 WP 000705306.1	PSFSILD	DCYPWDLSEI	YDAPVLLFY	KGNLDLLKF	PKVAVVGSRA	CSKQGA	KSVEKV	IQGLE.NELVIVSGLAKGIDTA	149
NTDB id	192 SPR RS05715 WP 000705306.1	PSFSILD	DCYPWDLSEI	YDAPVLLFY	KGNLDLLKF	PKVAVVGSRA	CSKQGA	KSVEKV	IQGLE.NELVIVSGLAKGIDTA	149
NTDB id	157 SP RS06205 WP 000705306.1	PSFSILD	DCYPWDLSEI	YDAPVLLFY	KGNLDLLKF	PKVAVVGSRA	CSKQGA	KSVEKV	IQGLE.NELVIVSGLAKGIDTA	149
NTDB id	497 SM12261 RS05565 WP 000705318.1	PSFSILD	DCYPWDLSEI	YDAPVLLFY	KGNLDLLKF	PKVAVVGSRA	CSKQGA	KSVEKV	IQGLE.NELVIVSGLAKGIDTA	149
consensus		*****!!**!*!***!!****!!*****!!**!*!***!!**!								

NTDB id	1361	HI	0985	AAC22646.1	CHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLLVVEATEKSGSLIT	239
NTDB id	1250	GC085	RS13065	WP 027219989.1	AHLGCLGGGKTIAVLGTGIDCIYPRRHLKLAEEQI.TENGILLSEFPPLKSPPIAGHFPLNRNRIISGLSLCTLVIEAAIKSGSLIT	239
NTDB id	27463	LLMG	RS06455	WP 011835152.1	SHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKNQLVLSEYSLGEKPLKYHFFERNRIIAGLSRGVVWVAEAKLRSGSLIT	232
NTDB id	599	KW2	RS05940	WP 021037268.1	SHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKYQLVLSEYSLGEKPLKYHFFERNRIIAGLSRGVVWVAEAKLRSGSLIT	232
NTDB id	407	SMU	RS04605	WP 002262865.1	AHLSLKSGBATIAVIGTGLDVFYPKANKRLQDYI.AKNHLLSEYEASQSPLKYHFFERNRIIAGLSQGVMAEAKIRSGSLIT	231
NTDB id	525	SMSK321	RS06295	WP 000705298.1	AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.SNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLIT	233
NTDB id	267	KZH43	RS05590	WP 000705306.1	AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLIT	233
NTDB id	226	SPD	RS05990	WP 000705306.1	AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLIT	233
NTDB id	192	SPR	RS05715	WP 000705306.1	AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLIT	233
NTDB id	157	SP	RS06205	WP 000705306.1	AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLIT	233
NTDB id	497	SM12261	RS05565	WP 000705318.1	AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLIT	233
consensus					*!!!!!!!!!!!!!!*!*!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1361 HI 0985 AAC22646.1	ARYALEQNREVFVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPRLVEAPSHPK	324
NTDB id 1250 GC085 RS13065 WP 027219989.1	ARMALEQNRDVLAIPGSIHNPLARGCHYLQQGAKLVTSAADVLDLTKIEHHQFTSN.....KPI.....FSLASGKEN	308
NTDB id 27463 LLMG RS06455 WP 011835152.1	CERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.....	282
NTDB id 599 KW2 RS05940 WP 021037268.1	CERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.....	282
NTDB id 407 SMU RS04605 WP 002262865.1	CERAMEEGRDVFVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....	280
NTDB id 525 SMSK321 RS06295 WP 000705298.1	CERAMEEGRDVFVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	CERAMEEGRDVFVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	CERAMEEGRDVFVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	CERAMEEGRDVFVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....	282
NTDB id 157 SP RS06205 WP 000705306.1	CERAMEEGRDVFVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	CERAMEEGRDVFVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....	282
consensus	***!***!*****!!*!*****!!*!***!!*****!!*!*****	

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NTDB id 1361 HI 0985 AAC22646.1	LYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....	373
NTDB id 1250 GC085 RS13065 WP 027219989.1	LVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER	361
NTDB id 27463 LLMG RS06455 WP 011835152.1		282
NTDB id 599 KW2 RS05940 WP 021037268.1		282
NTDB id 407 SMU RS04605 WP 002262865.1		280
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
consensus		

- non conserved
- similar
- ≥ 50% conserved