

NTDB id 1250	GCO85 RS13065 WP 027219989.1	..MNNLQLPLLA	LNRMKRIG....PRTVLKLQKRWPDNLNMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNLWSSS	73
NTDB id 599	KW2 RS05940 WP 021037268.1	.MITNFD....	LFRWKKAGMTNLGVNKLKLFRRKYDRKISLRQM..GQVAQVKSIPIFNIEQYKNQDVKKLRADYKKFS..	71
NTDB id 525	SMSK321 RS06295 WP 000705298.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNPVAFMERYFQIDDAHLEKEFKKIP..	72
NTDB id 267	KZH43 RS05590 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNPVAFMERYFQIDDAHLSKEFQKFP..	72
NTDB id 226	SPD RS05990 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNPVAFMERYFQIDDAHLSKEFQKFP..	72
NTDB id 192	SPR RS05715 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNPVAFMERYFQIDDAHLSKEFQKFP..	72
NTDB id 157	SP RS06205 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCRNPVAFMERYFQIDDAHLSKEFQKFP..	72
NTDB id 497	SM12261 RS05565 WP 000705318.1	MKITNYE....	IYKLKKSGLTNQQVLAVLEYGENVDQELLGDI..AEISGCRNPVAFMERYFQIDDAHLEKEFQKFP..	72
NTDB id 1140096	DQM37 RS04465 WP 076639652.1	..MNHFE....	LYKLKKAGLTNKNILNILDYQKQEKSLSLRDM..AVVSGCKHPSHFIEAYKQLDIQKLMEFKQFP..	70
NTDB id 407	SMU RS04605 WP 002262865.1	..MDNFK....	LPKLKKAAGLTNLNINLITIDYEERTQKSLSLRDM..AVVSKNKKPLIFMEHYKNLDSKALRKEFNRF..	70
consensus		*****	*****!***!*****	*****

NTDB id	1250 GCO85 RS13065 WP 027219989.1	ENHHILTWDSPPYYPALKEIADPFFILYAKGELSAITQPSLAIVGSRNA SVTGNENARAFSREISRHGVSIVSGLALGID	153
NTDB id	599 KW2 RS05940 WP 021037268.1	... SFSILDDLYPERLREIYNPPVLIIFYQGNI DLLKNPKLAFVGSRLAGQSIGIKSVQKIVTELNQ.SFTIVSGLAKGID	146
NTDB id	525 SMSK321 RS06295 WP 000705298.1	... SFSILDDCYPWDLSEIYDAPVLLFYKGNDLLKF PKVAVVGSRSCSKQGAKSVEKI IQGLEN.ELVIVSGLAKGID	147
NTDB id	267 KZH43 RS05590 WP 000705306.1	... SFSILDDCYPWDLSEIYDAPVLLFYKGNDLLKF PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGID	147
NTDB id	226 SPD RS05990 WP 000705306.1	... SFSILDDCYPWDLSEIYDAPVLLFYKGNDLLKF PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGID	147
NTDB id	192 SPR RS05715 WP 000705306.1	... SFSILDDCYPWDLSEIYDAPVLLFYKGNDLLKF PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGID	147
NTDB id	157 SP RS06205 WP 000705306.1	... SFSILDDCYPWDLSEIYDAPVLLFYKGNDLLKF PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGID	147
NTDB id	497 SM12261 RS05565 WP 000705318.1	... SFSILDDCYPWDLSEIYDAPVLLFYKGNDLLKF PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGID	147
NTDB id	1140096 DQM37 RS04465 WP 076639652.1	... STSILDKHYPMALKEIYNPPVLFFQQGNDLLEKPKLAIVGSRRSSDTGVKSVRKILKELGN.RFVIVSGLARGID	145
NTDB id	407 SMU RS04605 WP 002262865.1	... SLSILDKEYPLELKNIYNPPVLFFYQGD LLDLARPKLAVVGSRNASQMGVA AVKKIIQDLSK.QFVIISGLARGID	145
consensus		*****!!*!*!***!!*****!!*****!!*!*!*****!!*****!!*!*!*****!!*****!!*!*!	

NTDB id 1250	GC085 RS13065 WP 027219989.1	AH	AHL	C	L	E	G	G	K	T	I	A	V	L	G	T	G	I	D	C	I	P	R	R	H	L	K	L	A	E	Q	T	I	T	E	N	G	L	L	S	E	F	P	L	K	S	P	T	I	A	G	H	F	P	L	R	N	R	I	T	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	Y	H	F	P	E	R	N	R	I	I	A	G	L	S	R	G	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	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 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																												

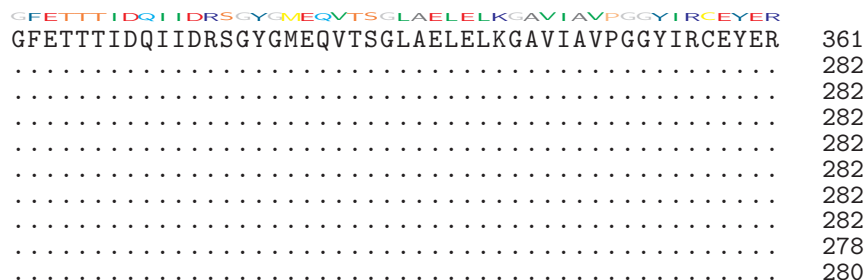
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NTDB id 1140096 DQM37 RS04465 WP 076639652.1
NTDB id 407 SMU RS04605 WP 002262865.1
consensus
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- X non conserved
- X similar
- X $\geq 50\%$ conserved