

NTDB id 613 LCA RS05340 WP 231952379.1	MMWQDYWQRYYRRFWV.PCLVLGLIIAGGFYWH.QSQQKQKV...TQNEQLLATASKT.KPATKKTHQAATKKKGGFVDIKGA	78
NTDB id 105 BSU 25590 NP 390437.1	MNWLNQHKHKAIIILAAASA AVFTA IMIFLATGKNKEPVKQAVP.....TETENTVVKEEANNDESNETIVVDIKGA	69
NTDB id 595 KW2 RS08725 WP 021037687.1	..MEKITLDKLKEYWKIMLLVV.CALIIAGG.IFYIFTNSPKPAETLSVEN..LSSS..STKSSSVSKFNSSSSEKNKMEIMVDIKGA	77
NTDB id 521 SMSK321 RS04960 WP 000443804.1	..MESIIEKIKEYKIIVICTG.LGLLVGG.FFLLKPAPHTPVKETNLQAEVAATSKDSSTEKDVKKEEKEEPEQDLITVDVKGA	81
NTDB id 493 SM12261 RS04300 WP 000387351.1	..MEAIIIEKIKEYKIIVICTG.LGLLVGG.FFLLKPAPQTPVKETNLQAEVAAVSKDSVSEKEVNKKEEKEEPLEQDLITVDVKGA	81
NTDB id 153 SP RS04730 WP 000387344.1	..MEAIIIEKIKEYKIIVICTG.LGLLVGG.FFLLKPAPQTPVKETNLQAEVAAVSKDSSTEKEVNKKEEKEEPLEQDLITVDVKGA	81
NTDB id 98264 R8635 RS06610 WP 000387331.1	..MEAIIIEKIKEYKIIVICTG.LGLLVGG.FFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKKEEKEEPLEQDLITVDVKGA	81
NTDB id 263 KZH43 RS04195 WP 000387330.1	..MEAIIIEKIKEYKIIVICTG.LGLLVGG.FFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKKEEKEEPLEQDLITVDVKGA	81
NTDB id 222 SPD RS04535 WP 000387330.1	..MEAIIIEKIKEYKIIVICTG.LGLLVGG.FFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKKEEKEEPLEQDLITVDVKGA	81
NTDB id 188 SPR RS04295 WP 000387330.1	..MEAIIIEKIKEYKIIVICTG.LGLLVGG.FFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKKEEKEEPLEQDLITVDVKGA	81
consensus	***** *****	***** ! * ! !

NTDB id 613 LCA RS05340 WP 231952379.1	VVYPGIYPTITVSETRLFVLKNAAGGPTDAADTKRLNLAQKLTDQLTIYIPKKGEVVVDQHLLIQAPQQIATTSTERTQEQAASGTSTA	163
NTDB id 105 BSU 25590 NP 390437.1	VQHPGVYEMRTGLDRVSQAIEKAGGTSEQADEAQVNLAELLDGTVVYIPKKGEEAVQQGG.....GGSV....	134
NTDB id 595 KW2 RS08725 WP 021037687.1	VAKPNVYQISSD.ERLVPLIRQAGGFDDQADQKSINLSAKLKDEEVTVVPKVGESSSSSETD.....SPTGSSVS	146
NTDB id 521 SMSK321 RS04960 WP 000443804.1	VKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSCKSLNLAQKVSDEALVYVPTKGEEAASQGHTG.....SGAP....	146
NTDB id 493 SM12261 RS04300 WP 000387351.1	VKSPGIYDLPGV.SRVNDAVQKAGGLETEQADSCKSLNLAQKVSDEALVYVPTKGEEAAVSAQQAG.....PATA....	146
NTDB id 153 SP RS04730 WP 000387344.1	VKSPGIYDLPGV.SRVNDAVQKAGGLTEQADSCKSLNLAQKVSDEALVYVPTKGEEAVSQQTG.....SGTA....	146
NTDB id 98264 R8635 RS06610 WP 000387331.1	VKSPGIYDLPGV.SRVNDAVQKAGGLTEQADSCKSLNLAQKVSDEALVYVPTKGEEAVSQQTG.....SGTA....	146
NTDB id 263 KZH43 RS04195 WP 000387330.1	VKSPGIYDLPGV.SRVNDAVQKAGGLETEQADSCKSLNLAQKVSDEALVYVPTKGEEAVSQQTG.....LGTAT....	146
NTDB id 222 SPD RS04535 WP 000387330.1	VKSPGIYDLPGV.SRVNDAVQKAGGLETEQADSCKSLNLAQKVSDEALVYVPTKGEEAVSQQTG.....LGTAT....	146
NTDB id 188 SPR RS04295 WP 000387330.1	VKSPGIYDLPGV.SRVNDAVQKAGGLETEQADSCKSLNLAQKVSDEALVYVPTKGEEAVSQQTG.....LGTAT....	146
consensus	[***][**][*****][****][*****][**][*****][**][*****][**][*****][**][*****][**][*****][**][*****]	

NTDB id 613 LCA RS05340 WP 231952379.1	NA	S	S	T	S	D	T	A	K	I	D	L	N	Q	A	D	S	T	Q	L	Q	T	L	N	G	I	G	P	K	K	A	E	Q	I	T	A	Y	R	D	E	Q	G	K	F	Q	I	E	D	L	Q	K	V	G	G	I	P	K	T	F	E	Q	L	Q	S	I	C	V	N	235		
NTDB id 105 BSU 25590 NP 390437.1	.	Q	S	D	G	G	K	G	A	L	V	N	I	N	T	A	T	L	E	E	L	Q	G	I	S	C	V	G	P	S	K	A	E	A	I	A	Y	R	E	E	N	C	R	F	Q	T	I	E	D	I	T	K	V	S	G	I	G	E	K	S	F	E	K	I	K	S	I	T	V	K	205
NTDB id 595 KW2 RS08725 WP 021037687.1	N	Q	I	S	T	S	G	P	K	V	N	I	N	K	A	D	L	T	E	L	Q	K	L	T	G	I	G	Q	K	K	A	Q	D	I	I	F	R	M	K	N	G	D	F	K	S	I	E	D	L	G	K	V	S	G	F	G	D	K	T	L	E	K	L	K	D	E	L	S	I	D	218
NTDB id 521 SMSK321 RS04960 WP 000443804.1	..	S	S	T	S	K	D	K	K	I	N	L	N	K	A	S	L	E	E	L	K	Q	V	K	L	G	G	K	R	A	Q	D	I	I	D	H	R	E	A	N	G	K	F	K	S	V	D	E	L	K	K	V	S	G	I	G	A	K	T	I	E	K	L	K	D	Y	V	T	D	216	
NTDB id 493 SM12261 RS04300 WP 000487351.1	..	S	S	T	S	K	E	K	K	V	N	L	N	K	A	S	L	E	E	L	K	Q	V	K	L	G	G	K	R	A	Q	D	I	I	D	H	R	E	A	N	G	K	F	K	S	V	D	E	L	K	K	V	S	G	I	G	A	K	T	I	E	K	L	K	D	Y	V	T	D	216	
NTDB id 153 SP RS04730 WP 000387344.1	..	S	S	T	S	K	E	K	K	V	N	L	N	K	A	S	L	E	E	L	K	Q	V	K	L	G	G	K	R	A	Q	D	I	I	D	H	R	E	A	N	G	K	F	K	S	V	D	E	L	K	K	V	S	G	I	G	G	K	T	I	E	K	L	K	D	Y	V	T	D	216	
NTDB id 98264 R8635 RS06610 WP 000387331.1	..	S	S	I	S	K	E	K	K	V	N	L	N	K	A	S	L	E	E	L	K	Q	V	K	L	G	G	K	R	A	Q	D	I	I	D	H	R	E	A	N	G	K	F	K	S	V	D	E	L	K	K	V	S	G	I	G	G	K	T	I	E	K	L	K	D	Y	V	T	D	216	
NTDB id 263 KZH43 RS04195 WP 000387330.1	..	S	S	I	S	K	E	K	K	V	N	L	N	K	A	S	L	E	E	L	K	Q	V	K	L	G	G	K	R	A	Q	D	I	I	D	H	R	E	A	N	G	K	F	K	S	V	D	E	L	K	K	V	S	G	I	G	G	K	T	I	E	K	L	K	D	Y	V	T	D	216	
NTDB id 222 SPD RS04535 WP 000387330.1	..	S	S	I	S	K	E	K	K	V	N	L	N	K	A	S	L	E	E	L	K	Q	V	K	L	G	G	K	R	A	Q	D	I	I	D	H	R	E	A	N	G	K	F	K	S	V	D	E</																							

- X non conserved
- X similar
- X >50% conserved