

NTDB	id	1103	NMB	RS07590	WP	002212976.1	MSLNKVKILIGRLGRDPEVRYMPNGEAVCNFSVATSETWDRNGQV	VERTEWHNITMYRKLAELAGQYLYKKGGLVYLEGRIQSRKY	85
NTDB	id	1131	NGFG	RS05740	WP	003695064.1	MSLNKVKILIGRLGRDPEVRYMPNGEAVCNFSVATSETWDRNGQV	VERTEWHNITMYRKLAELAGQYLYKKGGLVYLEGRIQSRKY	85
NTDB	id	498	SM12261	RS01980	WP	000282464.1	.MYNKKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGER..	EADFVNMVLWGLAEISLASYATKGSLISVDGELRTRRF	82
NTDB	id	526	SMSK321	RS08825	WP	000282440.1	.MYNKKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGER..	EADFVNMVLWGLRLAEISLASYATKGSLISVDGELRTRRF	82
NTDB	id	158	SP	RS09595	WP	000282442.1	.MYNKKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGER..	EADFVNMVLWGLRLAEISLASYATKGSLISVDGELRTRRF	82
NTDB	id	268	KZH43	RS08520	WP	000282467.1	.MYNKKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGER..	EADFVNMVLWGLRLAEISLASYATKGSLISVDGELRTRRF	82
NTDB	id	227	SPD	RS09110	WP	000282467.1	.MYNKKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGER..	EADFVNMVLWGLRLAEISLASYATKGSLISVDGELRTRRF	82
NTDB	id	193	SPR	RS08685	WP	000282467.1	.MYNKKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGER..	EADFVNMVLWGLRLAEISLASYATKGSLISVDGELRTRRF	82
NTDB	id	583	DLJ51	RS09560	WP	002962590.1	.MYNKKVILIGRLTAAPMVKTPSNKSVTHITLAVNRFFKTDGER..	QADFVNVLFWGKLAEISLVSYAGKGSLSLDGEITRTRHY	82
NTDB	id	409	SMU	RS08940	WP	002263454.1	.MYNKKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRFFKSQDGEK..	QADFVNVLWGLRLAEISLASYAGKGSLSLDGELRTRKY	82
NTDB	id	624	LCA	RS00040	WP	011373726.1	.MINRVVLVGRLLTRDVLRYTSSGAAVGTFSMAVNRQFTNANGDR..	EADFVNCVIVRKSANFNANFTKKGSLSVGDGRLQTRNY	82
NTDB	id	112	BSU	36310	NP	391512.2	.MENQVMLVGRLLTKDPDLRYTSAGAAVAHVTLAVNRSEKNASGET..	EADYVNCTLWRKTAENTALCYCQGSLSVGVSGRIQTRSY	82
NTDB	id	123525	BRLA	RS15195	WP	003337095.1	.MLNRVVLIGNLTRDPELRYTPNGVAVATFTLATNRSYSGSNGEK..	ETDFINIVAWRQLADLCANYLAKGKKAQVDGRLQTRSY	82
NTDB	id	113	BSU	40900	NP	391970.1	.MLNRVVLVGRLLTKDPELRYTPNGAAVATFTLAVNRFTTNQSGER..	EADFVNCVITWRQAEVNFVFLKGSLSAGVDGRLQTRNY	82
consensus							*****	*****	*****

NTDB id	1103 NMB RS07590 WP 002212976.1	QGKDGIERAYDIVANEMKM LGGRNENSSGA.....PYEE.....GYGQSQEAYQRPAQQSRQPASDAPSHPQEAPAAPR	155
NTDB id	1131 NGFG RS05740 WP 003695064.1	QGKDGIERAYDIVANEMKM LGGRNENSSGA.....PYDE.....GYGQSQEAYQRPAQQSRQPAPDAPSHPQEAPAAPR	155
NTDB id	498 SM12261 RS01980 WP 000282464.1	EK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....	116
NTDB id	526 SMSK321 RS08825 WP 000282440.1	EK.NGQMNYVAEVLVTGFQLLESRAQRAMRENNAG.....	116
NTDB id	158 SP RS09595 WP 000282442.1	EK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....	116
NTDB id	268 KZH43 RS08520 WP 000282467.1	EK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....	116
NTDB id	227 SPD RS09110 WP 000282467.1	EK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....	116
NTDB id	193 SPR RS08685 WP 000282467.1	EK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....	116
NTDB id	583 DLJ51 RS09560 WP 002962590.1	EK.DGQTHYVTELTAQS FQLLESRAQRALRENNGA.....	116
NTDB id	409 SMU RS08940 WP 002263454.1	EK.DGVTHEFVTEVLGHSFQLLESRAQRAMRENNSE.....	116
NTDB id	624 LCA RS00040 WP 011373726.1	ENQCGQRVVVTEVVDNFSLLESRTTTEQRQGDGASQNFNNSNQSNGS.....QQSGFTSPQQTGNAPAANN..TQADPPFA..	155
NTDB id	112 BSU 36310 NP 391512.2	ENEEGVNIVVTEVLADTVRFMDPKPREKAAD.....	113
NTDB id	123525 BRLA RS15195 WP 003337095.1	ENKEGKKVYVTEVVDNVQFLSSQSQSEP SGN.....KKSG...PSNDPPFA..	124
NTDB id	113 BSU 40900 NP 391970.1	ENQCGRVVFVEVQAESVQFLEPKNGGCSGSGG....YNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQNS...FNDDPPFA..	157
consensus		* * ? ! * * * * * * * * * * * * * * * *	

NTDB	id	1103	NMB	RS07590	WP	002212976.1	RQPVPAAAPV	EDI	DDDI	PF	174	
NTDB	id	1131	NGFG	RS05740	WP	003695064.1	RQPVPAAAPV	EDI	DDDI	PF	174	
NTDB	id	498	SM12261	RS01980	WP	000282464.1	....	QDLADLV	EEEEEL	PF	131	
NTDB	id	526	SMKS321	RS08825	WP	000282440.1	....	QDLADLV	EEEEEL	PF	131	
NTDB	id	158	SP	RS09595	WP	000282442.1	....	QDLADLV	EEEEEL	PF	131	
NTDB	id	268	KZH43	RS08520	WP	000282467.1	....	QDLADLV	EEEEEL	PF	131	
NTDB	id	227	SPD	RS09110	WP	000282467.1	....	QDLADLV	EEEEEL	PF	131	
NTDB	id	193	SPR	RS08685	WP	000282467.1	....	QDLADLV	EEEEEL	PF	131	
NTDB	id	583	DLJ51	RS09560	WP	002962590.1	....	SDLTDLV	EEEEEL	PF	131	
NTDB	id	409	SMU	RS08940	WP	002263454.1	....	NLDADLV	EEEEEL	PF	131	
NTDB	id	624	LCA	RS00040	WP	011373726.1	....	NNGQAID	ISDDD	LPF	170	
NTDB	id	112	BSU	36310	NP	391512.2	.....	.....	.....	.....	113	
NTDB	id	123525	BRLA	RS15195	WP	003337095.1		DTGKPI	INTS	DEDL	LPF	139
NTDB	id	113	BSU	40900	NP	391970.1		NDGKPI	INTS	DDDL	LPF	172
consensus											*****	

 non conserved
 similar
 $\geq 50\%$ conserved