

NTDB	id	1131	NGFG	RS05740	WP	003695064.1	MSLNKVKILIGRLGRDPEVRY.MPNGEAVCNFSVATSETWNDNRNCQRVERTEWHNITMYRKLAETIAGQYLLKKGGLVYLEGRIQSRK	84
NTDB	id	1103	NMB	RS07590	WP	002212976.1	MSLNKVKILIGRLGRDPEVRY.MPNGEAVCNFSVATSETWNDNRNCQRVERTEWHNITMYRKLAETIAGQYLLKKGGLVYLEGRIQSRK	84
NTDB	id	597	KW2	RS01935	WP	021036727.1	. . MNKTMLIGRLTNAPEISK.TTNNKSYVRVTLAVNRRFKNEKGERE..ADFTSII LWGKSABTLVSYAKKGSLSVEGEIRTRN	80
NTDB	id	498	SM1261	RS01980	WP	000282464.1	. MYNKVIMIGRLTSTPELHK.TTNNDKSVARATI AVNRRYKDQNGERE..ADFVNMLVLWGKLAE TLASYATKGSLSVDGELRTRR	81
NTDB	id	526	SMSK321	RS08825	WP	000282440.1	. MYNKVILIGRLTSTPELHK.TTNNDKSVARATI AVNRRYKDQNGERE..ADFVNMLVLWGRLAET LASYATKGSLSVDGELRTRR	81
NTDB	id	158	SP	RS09595	WP	000282442.1	. MYNKVILIGRLTSTPELHK.TTNNDKSVARATI AVNRRYKDQNGERE..ADFVNMLVLWGRLAET LASYATKGSLSVDGELRTRR	81
NTDB	id	268	KZH43	RS08520	WP	000282467.1	. MYNKVIMIGRLTSTPELHK.TTNNDKSVARATI AVNRRYKDQNGERE..ADFVNMLVLWGRLAET LASYATKGSLSVDGELRTRR	81
NTDB	id	227	SPD	RS09110	WP	000282467.1	. MYNKVIMIGRLTSTPELHK.TTNNDKSVARATI AVNRRYKDQNGERE..ADFVNMLVLWGRLAET LASYATKGSLSVDGELRTRR	81
NTDB	id	193	SPR	RS08685	WP	000282467.1	. MYNKVIMIGRLTSTPELHK.TTNNDKSVARATI AVNRRYKDQNGERE..ADFVNMLVLWGRLAET LASYATKGSLSVDGELRTRR	81
NTDB	id	583	DLJ51	RS09560	WP	002962590.1	. MYNKVILIGRLTAAPENVK.TPSNKS VTHITLAVNRRFKTDGERQ..ADFVNMLVLWGKLAE SLVS YAGKGSLSLDGEIRTRH	81
NTDB	id	409	SMU	RS08940	WP	002263454.1	. MYNKVILIGRLVATPEMVK.TPKDKSVTRVTLAVNRRFKSQDG EKQ..ADFVNMLVLWGRLAET IASYSKGSLSLDGELRTRK	81
NTDB	id	127917	CLPA	RS13945	WP	003443117.1	. . MNKVLLVGRLVRDP ELKHIESNGREVCNFTVAVNRNF INAKGERE..ADFVPVVVWGKTAE LV CNYMKKGRLLSISGR LQIRS	81
NTDB	id	624	LCA	RS00040	WP	011373726.1	. MINRVVLVGRLTRD VDLRY.TSSGA AVGTFSMAVNRRQFTNANG DRE..ADFINCVIWRKSAENFANFT KKSLSGV DGRLQTRN	81
NTDB	id	113	BSU	40900	NP	391970.1	. MLFNQVMVLVGRLTKD PELRY.TPNGAAVAFTFLAVNRFTTNQS GERE..ADFINCVTWRRQAENVAN FLKKGSLAGVDGRLQTRN	81
NTDB	id	112	BSU	36310	NP	391512.2	. MFLNQVMVLVGRLTKD PDLRY.TSAGA AVAHVTVLVNR SFKNASGEIE..ADFYVNCTLRKRTAENTAL YCQKGSLSGVSGRLQTRS	81
consensus							* * ! * * * * ! ! ! * ! * * * * * * * * * * * ! * * * * * ! *	

NTDB	id	1131	NGFG	RS05740	WP	003695064.1	YQKGDGIERTAYDIVANEMKMLGGRNENSGGA.....PYDEG.....YGQSQEAYQRPAQQSRQPAPDAPSHPQEAPAAP	154
NTDB	id	1103	NMB	RS07590	WP	002212976.1	YQKGDGIERTAYDIVANEMKMLGGRNENSGGA.....PYEEG.....YGQSQEAYQRPAQQSRQPASDAPSHPQEAPAAP	154
NTDB	id	597	KW2	RS01935	WP	021036727.1	YTDKNEEQKHYTEILGLSYDLLESRA TLALRESAV..K.....	116
NTDB	id	498	SM12261	RS01980	WP	000282464.1	FE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB	id	526	SMSK321	RS08825	WP	000282440.1	FE.KNGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB	id	158	SP	RS09595	WP	000282442.1	FE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB	id	268	KZH43	RS08520	WP	000282467.1	FE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB	id	227	SPD	RS09110	WP	000282467.1	FE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB	id	193	SPR	RS08685	WP	000282467.1	FE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB	id	583	DLJ51	RS09560	WP	002962590.1	YE.KDGQTHYVTEILAQS FQLLESRA QRALRENNGASD.....	118
NTDB	id	409	SMU	RS08940	WP	002263454.1	YE.KDGVTHFVTEVLGHSSFQLLESRAQRAMRENNSEND.....	118
NTDB	id	127917	CLPA	RS13945	WP	003443117.1	YETKDGNRKYVTEVTGEEVLFLDSKKESAS.....	111
NTDB	id	624	LCA	RS00040	WP	011373726.1	YENQQGQRVYVTEVVVDNFSLLESRTTTEQRQG DGASQNFNNSNQSNGSQ..... QSGFTSPQQTGNAP..... AAN	147
NTDB	id	113	BSU	40900	NP	391970.1	YENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG..... GYNEGNSGGGQYFGGGQNDPNPFGGNQNNQRRN..... QGN	149
NTDB	id	112	BSU	36310	NP	391512.2	YENEENG VNVVTEVLADTVRFMDPKPREKAAD.....	113
consensus							*** **** * ***** ** *	

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NTDB id 1131 NGFG RS05740 WP 003695064.1	RRQPVP...AAAPVEDIDDDIPF	174
NTDB id 1103 NMB RS07590 WP 002212976.1	RRQPVP...AAAPVEDIDDDIPF	174
NTDB id 597 KW2 RS01935 WP 021036727.1	TEELLLEADELPF	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	LADLVLEEEELPF	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	LADLVLEEEELPF	131
NTDB id 158 SP RS09595 WP 000282442.1	LADLVLEEEELPF	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	LADLVLEEEELPF	131
NTDB id 227 SPD RS09110 WP 000282467.1	LADLVLEEEELPF	131
NTDB id 193 SPR RS08685 WP 000282467.1	LADLVLEEEELPF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	LTDLVLEEEELPF	131
NTDB id 409 SMU RS08940 WP 002263454.1	LADLVLEEEELPF	131
NTDB id 127917 CLPA RS13945 WP 003443117.1		111
NTDB id 624 LCA RS00040 WP 011373726.1	NTQADPFANNGQAIDISDDDLPF	170
NTDB id 113 BSU 40900 NP 391970.1	SFNDDPFANDGKPIDISDDDLPF	172
NTDB id 112 BSU 36310 NP 391512.2		113
consensus	*****	

- non conserved
- similar
- ≥ 50% conserved