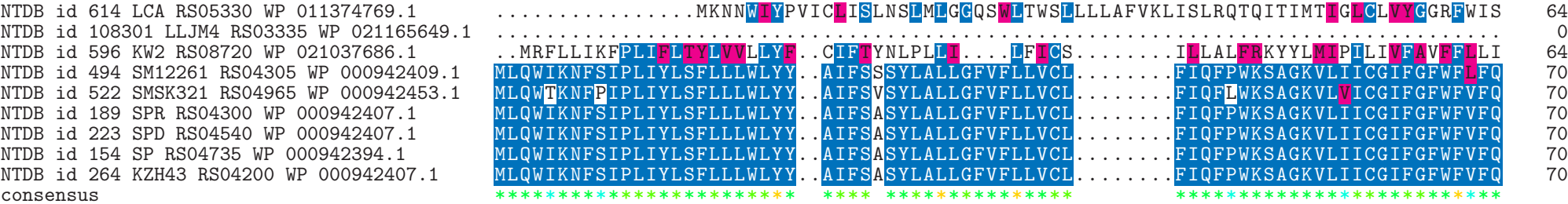


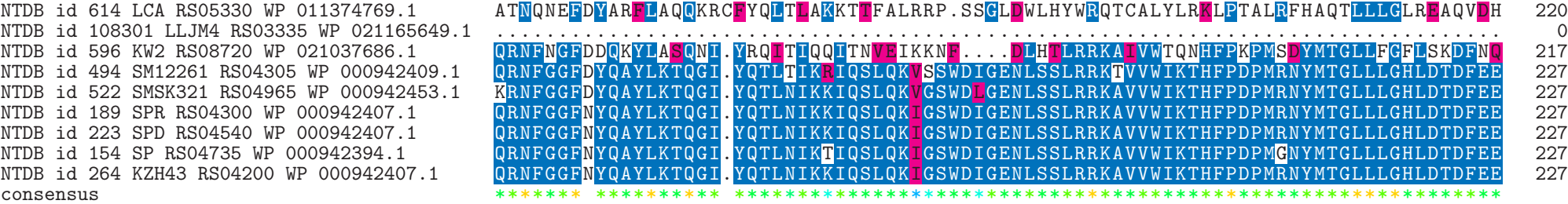
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NTDB id 614 LCA RS05330 WP 011374769.1	VKGLDNFALTVLVLFIVMPNFFETAGGVLSCAYAFILMTSK	EGEGLKAVAS	ESLVISLGLPILSFYFAEFQPW	369
NTDB id 108301 LLJM4 RS03335 WP 021165649.1	IRQSR	LDSWSLVLLVNLFWQPYLLHSMGGILSYLMAFALIYIGE	...GSTFKV...AYWLSLSLSPVCLRFN...YRW	0
NTDB id 596 KW2 RS08720 WP 021037686.1	..	..	..	368
NTDB id 494 SM12261 RS04305 WP 000942409.1	..	..	..	378
NTDB id 522 SMSK321 RS04965 WP 000942453.1	..	..	..	378
NTDB id 189 SPR RS04300 WP 000942407.1	..	..	..	378
NTDB id 223 SPD RS04540 WP 000942407.1	..	..	..	378
NTDB id 154 SP RS04735 WP 000942394.1	..	..	..	378
NTDB id 264 KZH43 RS04200 WP 000942407.1	..	..	..	378
consensus	*****	*****	*****	

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NTDB id 614 LCA RS05330 WP 011374769.1	HV.LTIIMNALVTP	IYLPVILGLAIIVASV	MLPVS..NLVVGNC	EWLLIQLIYKGLG	LVVQIPHAMITFGKIPLLP	LLIIVT	446
NTDB id 108301 LLJM4 RS03335 WP 021165649.1							0
NTDB id 596 KW2 RS08720 WP 021037686.1	SILLTI	IFGFLDF	MFLPLLLCC	FLISFLGFS	LNLNFIFQILEW	LHV	440
NTDB id 494 SM12261 RS04305 WP 000942409.1	SILLTFVFSFLFDL	VFLPLLSIL	FALSFLHP	VIQLNFIFEWLEG	MIR	FVSQV	450
NTDB id 522 SMSK321 RS04965 WP 000942453.1	SILLTFVFSFLFDL	VFLPLLSVL	FALSFLY	PVIQLNFIFEWLEG	MIR	LVSQV	450
NTDB id 189 SPR RS04300 WP 000942407.1	SILLTFVFSFLFDL	TFLPLLSIL	FVLSFLY	PVIQLNFIFEWLEG	IIR	LVSQVT	450
NTDB id 223 SPD RS04540 WP 000942407.1	SILLTFVFSFLFDL	TFLPLLSIL	FVLSFLY	PVIQLNFIFEWLEG	IIR	LVSQVT	450
NTDB id 154 SP RS04735 WP 000942394.1	SILLTFVFSFLFDL	VFLPLLSIL	FVLSFLY	PVIQLNFIFEWLEG	IIR	LVSQV	450
NTDB id 264 KZH43 RS04200 WP 000942407.1	SILLTFVFSFLFDL	TFLPLLSIL	FVLSFLY	PVIQLNFIFEWLEG	IIR	LVSQVT	450
consensus	*****	*****	*****	*****	*****	*****	

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NTDB id 614 LCA RS05330 WP 011374769.1	VSL	LLIDGQAISNQWFKRLKRTLVS	LYLASFLAIFHNP.TGRVVMFDIGQGDS	LLIQTPFNRHQL	LLIDTGGRLAL..PQA	523		
NTDB id 108301 LLJM4 RS03335 WP 021165649.1				MRASITAVDIGQGSIFLQDKFNKEN	ILIDTGGRLAL..PQK	40		
NTDB id 596 KW2 RS08720 WP 021037686.1	L	IGLFVD		SFSHKRRFFLVGFI	FLFFITKNPMRASITAVDIGQGSIFLQDKFNKEN	ILIDTGGRLAL..PQK	512	
NTDB id 494 SM12261 RS04305 WP 000942409.1	SLALVYD		LRKNIKRLAVLS	LLITGLFFLT	KHPL	ENEITMLDVGGESIFLRDVTG	KIILIDVGGKAESKKIE	523
NTDB id 522 SMSK321 RS04965 WP 000942453.1	SLALVYD		LRKNIKRLAVLS	LLITGLFFLT	KYPL	ENEITMLDVGGESIFLRDVTG	KTILIDVGGKAESDKKIE	523
NTDB id 189 SPR RS04300 WP 000942407.1	SLALVYD		LRKNIKRLTVLC	LLITGLFLLT	KHPL	ENEITMLDVGGESIFLRDVTG	KTILIDVGGKAESYKKIK	523
NTDB id 223 SPD RS04540 WP 000942407.1	SLALVYD		LRKNIKRLTVLC	LLITGLFLLT	KHPL	ENEITMLDVGGESIFLRDVTG	KTILIDVGGKAESYKKIK	523
NTDB id 154 SP RS04735 WP 000942394.1	SLALVYD		LRKNIKRLTVLS	LLITGLFFLT	KYPL	ENEITMLDVGGESIFLRDVTG	KTILIDVGGKAESYKKIK	523
NTDB id 264 KZH43 RS04200 WP 000942407.1	SLALVYD		LRKNIKRLTVLC	LLITGLFLLT	KHPL	ENEITMLDVGGESIFLRDVTG	KTILIDVGGKAESYKKIK	523
consensus	*****	*****	*****	*****	*****	*****	*****	*****

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NTDB id 614 LCA RS05330 WP 011374769.1	AWQRRAQVSRAEKVTVNYLYSQGVDHIDAVALSHQDADHIGDLNQILKQIRVDRIICAAGLPQNRQFQRQIRPFLATVQI	603
NTDB id 108301 LLJM4 RS03335 WP 021165649.1	NWQKAQTQSNADKTLIPYLESMGVAHIDQLILTHTDADHVGDFLSLADKIKIREIWIISPGELTNISFVEKLLKAK..IPI	118
NTDB id 596 KW2 RS08720 WP 021037686.1	NWQKAQTQSNADKTLIPYLESMGVAHIDQLILTHTDADHVGDFLSLADKIKIREIWIISPGELTNISFVEKLLKAK..IPI	590
NTDB id 494 SM12261 RS04305 WP 000942409.1	KWQEKTTTSSNAQRTLIPYLKSRGVSKIDQLILNTDKEYVGDLLLEVTKAFHVGEILVSKGSLKQKEFVAELQATQ..TKV	601
NTDB id 522 SMSK321 RS04965 WP 000942453.1	KWQEKATTTSSNAQRTLIPYLKSRGVAKIDQLILNTDKEHVGDLLEVTKAFHVGEILVSKGSLKQKEFVAELQATQ..IKV	601
NTDB id 189 SPR RS04300 WP 000942407.1	KWQEKMTTSSNAQRSLIPYLKSRGVAKIDQLILNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFVAELQATQ..TKV	601
NTDB id 223 SPD RS04540 WP 000942407.1	KWQEKMTTSSNAQRSLIPYLKSRGVAKIDQLILNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFVAELQATQ..TKV	601
NTDB id 154 SP RS04735 WP 000942394.1	KWQEKMTTSSNAQRSLIPYLKSRGVAKIDQLILNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFVAELQATQ..TKV	601
NTDB id 264 KZH43 RS04200 WP 000942407.1	KWQEKMTTSSNAQRSLIPYLKSRGVAKIDQLILNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFVAELQATQ..TKV	601
consensus	*!*!*! **!*!*****!	

NTDB id 614 LCA RS05330 WP 011374769.1
NTDB id 108301 LLJM4 RS03335 WP 021165649.1
NTDB id 596 KW2 RS08720 WP 021037686.1
NTDB id 494 SM12261 RS04305 WP 000942409.1
NTDB id 522 SMSK321 RS04965 WP 000942453.1
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NTDB id 264 KZH43 RS04200 WP 000942407.1
consensus



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NTDB id 108301 LLJM4 RS03335 WP 021165649.1
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NTDB id 189 SPR RS04300 WP 000942407.1
NTDB id 223 SPD RS04540 WP 000942407.1
NTDB id 154 SP RS04735 WP 000942394.1
NTDB id 264 KZH43 RS04200 WP 000942407.1
consensus

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