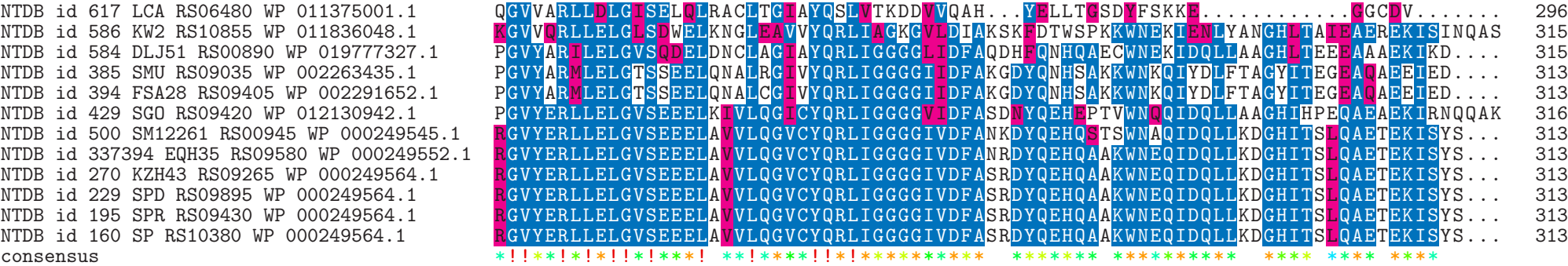


NTDB	id	617	LCA	RS06480	WP	011375001.1	.MSTEEKLTTLLKHCAKQRVQDLYFTPTTIGGWRLTERRQSDLVTNQELDKPTGTRYLNRLKYMAGMDISERRAQTGRSE	79
NTDB	id	586	KW2	RS10855	WP	011836048.1	..MVQKKKAQELIQKAIEMEASDIYLIASGNLYKIYIRQQLGRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACW	78
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	MVEVQELGKELIRQAVEEQAQDIYLLPKPAVKYIYLRFGKGRHLIQTCPPEQAAGLISHFKFLAGMNVGEKRRSQLGACD	80
NTDB	id	385	SMU	RS09035	WP	002263435.1	..MVQKLGRLKIIABAVQNKAQDIYIIPKKESEYELYMRIGNERRFIIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB	id	394	FSA28	RS09405	WP	002291652.1	..MVQKLGRLKIIABAVQNKAQDIYIIPKKESEYELYMRIGNERRFIIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB	id	429	SGO	RS09420	WP	012130942.1	..MVQKIIAQAVIRQAKEECAQDIYFVPKDDCYELYMRIIGDERRFIQTYYDFDQLAAVISHFKFLAGMNVGEKRRSQLGSCD	78
NTDB	id	500	SM12261	RS00945	WP	000249545.1	..MVQEIAQEIIIRSARKKGAQDIYFVPKLDAYELHMRVGDERRCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB	id	337394	EQH35	RS09580	WP	000249552.1	..MVQEIAQEIIIRSARKKGAQDIYFVPKLDAYELHMRVGDERRCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB	id	270	KZH43	RS09265	WP	000249564.1	..MVQEIAQEIIIRSARKKGGTQDIYFVPKLDAYELHMRVGDERRCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB	id	229	SPD	RS09895	WP	000249564.1	..MVQEIAQEIIIRSARKKGGTQDIYFVPKLDAYELHMRVGDERRCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB	id	195	SPR	RS09430	WP	000249564.1	..MVQEIAQEIIIRSARKKGGTQDIYFVPKLDAYELHMRVGDERRCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB	id	160	SP	RS10380	WP	000249564.1	..MVQEIAQEIIIRSARKKGGTQDIYFVPKLDAYELHMRVGDERRCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
consensus							***** * * * * ! ! ! ! ! * * * * * ! ! ! ! ! * * * * * ! ! ! ! ! * * * * *	

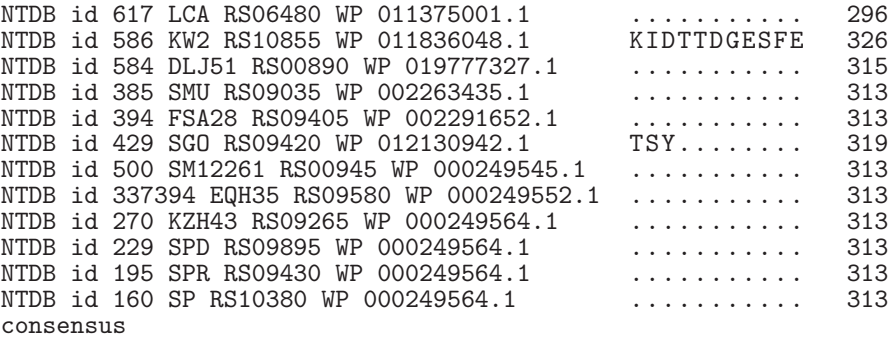
NTDB	id	617	LCA	RS06480	WP	011375001.1	LQLAD.QTIY	LRLA	TVGDF	LNRE	ESL	VRIF	IYP	IGAIY	HCDD	QIL	LAQL	TQMSR	QSG	LIL	FAGPT	GSG	KTT	SLYH	LAQ	QSM	158																																																													
NTDB	id	586	KW2	RS10855	WP	011836048.1	YEL	E	GSSAKR	LRL	STVGD	FE	CN	ESL	VRILL	HD	QK	Q	E	L	F	W	F	D	DK	..	LQDFR	CKR	GLY	L	FAGP	V	G	S	G	K	T	SL	M	F	D	L	A	H	R	H	F	155																																								
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	Y	A	F	ADGETA	A	L	R	L	S	T	V	G	D	Y	G	H	S	Q	R	E	S	L	V	R	I	L	L	F	D	R	K	R	E	L	K	F	W	F	D	GL	N	A	L	L	P	K	I	I	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	H	E	L	V	S	R	K	Y	159							
NTDB	id	385	SMU	RS09035	WP	002623435.1	Y	S	V	D	E	G	K	V	I	S	R	L	S	S	V	G	D	Y	R	G	Y	E	S	L	V	R	I	L	L	F	S	G	R	H	D	L	K	F	W	F	N	S	M	D	L	I	L	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	S	L	M	Y	Q	L	V	K	L	R	F	157				
NTDB	id	394	FSA28	RS09405	WP	002291652.1	Y	S	V	D	E	G	K	V	I	S	R	L	S	S	V	G	D	Y	R	G	Y	E	S	L	V	R	I	L	L	F	S	G	R	H	D	L	K	F	W	F	N	S	M	D	L	I	L	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	S	L	M	Y	Q	L	V	K	L	R	F	157				
NTDB	id	429	SGO	RS09420	WP	012130942.1	Y	R	Y	D	D	.	K	E	T	S	.	I	R	L	S	T	V	G	D	Y	R	G	Y	E	S	L	V	R	I	L	L	H	D	E	E	T	E	L	K	F	W	F	T	.	H	F	P	E	L	R	E	K	F	K	D	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	H	Q	L	A	Q	L	K	F	156
NTDB	id	500	SM12261	RS00945	WP	000249545.1	Y	E	Y	D	Q	.	K	M	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	R	I	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F	156	
NTDB	id	337394	EQH35	RS09580	WP	000249552.1	Y	A	Y	D	Q	.	K	M	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	R	I	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F	156	
NTDB	id	270	KZH43	RS09265	WP	000249564.1	Y	A	Y	D	H	.	K	T	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	R	I	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F	156	
NTDB	id	229	SPD	RS09895	WP	000249564.1	Y	A	Y	D	H	.	K	T	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	R	I	L	L	H																																																			

NTDB	id	617	LCA	RS06480	WP	011375001.1	S	A	K	M	V	V	A	I	E	D	P	T	E	I	V	A	P	E	F	L	Q	L	Q	V	N	D	A	G	L	S	Y	A	E	L	L	K	I	S	L	R	L	R	P	D	T	L	I	I	G	E	I	R	D	L	E	T	A	Q	Y	V	V	S	A	A	L	S	G	H	L	V	L	S	T	I	H	A	R	S	T	238
NTDB	id	586	KW2	RS10855	WP	011836048.1	S	N	A	Q	V	I	T	I	E	P	V	E	I	I	D	S	D	F	I	Q	L	Q	V	N	D	V	I	G	N	S	Y	D	E	L	I	K	L	S	L	R	H	R	P	D	L	L	I	V	G	E	I	R	D	Q	Q	T	A	R	A	V	I	R	A	S	L	T	G	Y	T	V	F	S	T	I	H	A	S	V	235	
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	D	S	Q	I	T	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	P	S	I	G	M	T	Y	D	H	L	I	K	L	S	L	R	H	R	P	D	V	L	I	I	G	E	I	R	D	K	E	T	A	Q	A	V	I	R	A	S	L	T	G	I	R	V	F	S	T	I	H	A	K	S	I	239
NTDB	id	385	SMU	RS09035	WP	002263435.1	E	T	K	Q	V	I	T	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I	237
NTDB	id	394	FSA28	RS09405	WP	002291652.1	E	T	K	Q	V	I	T	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I	237
NTDB	id	429	SGO	RS09420	WP	012130942.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	T	I	G	L	T	Y	E	S	L	I	K	L	S	L	R	H	R	P	D	L	L	I	I	G	E	I	R	D	S	E	T	A	R	A	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	500	SM12261	RS00945	WP	000249545.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	I	G	E	I	R	D	S	E	T	A	R	A	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	337394	EQH35	RS09580	WP	000249552.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	I	G	E	I	R	D	I	E	T	A	R	A	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	270	KZH43	RS09265	WP	000249564.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R																																							

logo



logo



non conserved
 similar
 ≥ 50% conserved