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NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEEKISLLQYIVKNKILSAEQIALTAAGNFQVPMLDINCIDVGTI	80
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NTDB id 63513 AABJ71 RS04060 WP 338384456.1		0
NTDB id 1448 BW25113 RS15320 WP 001326494.1		0
NTDB id 1307 DR RS10055 WP 010888596.1	.....	0
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	0
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	0
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	0
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	0
NTDB id 1283 ACE17W RS02630 WP 010947729.1		0
NTDB id 1259 GC085 RS10305 WP 010947729.1		0
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NTDB id 1194 PA0395 NP 249086.1		0
NTDB id 1020 ACIAD RS04210 WP 011182164.1		0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	0
NTDB id 1060 ABD1 RS04380 WP 000355489.1		0
NTDB id 1040 HON27 RS13360 WP 000355489.1		0
consensus		

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NTDB id 1251 GC085 RS07725 WP 011946523.1	PVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE	160
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NTDB id 1307 DR RS10055 WP 010888596.1		0
NTDB id 1086 NMV RS00245 WP 002218487.1		0
NTDB id 1116 NGFG RS10615 WP 003690200.1		0
NTDB id 1185 GTF74 RS11940 WP 000350195.1		0
NTDB id 1176 A1552VC RS01160 WP 000350195.1		0
NTDB id 1283 ACE17W RS02630 WP 010947729.1		0
NTDB id 1259 GC085 RS10305 WP 010947729.1		0
NTDB id 1202 PSJM300 01600 AFN76400.1		0
NTDB id 1194 PA0395 NP 249086.1		0
NTDB id 1020 ACIAD RS04210 WP 011182164.1		0
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NTDB id 1060 ABD1 RS04380 WP 000355489.1		0
NTDB id 1040 HON27 RS13360 WP 000355489.1		0
consensus		

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NTDB id	1251	GC085	RS07725	WP	011946523.1	DSGDLGLEISADDEDQDIDTATSVTDDAPIVKFV	240
NTDB id	1177	A1552VC	RS01165	WP	000422572.1	MELNQYLDGMLTHKASDLYITV...GAPILYRV	44
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NTDB id	1019	ACIAD	RS04205	WP	004922051.1	MDFNDLLNLMMAKHKASDLFITA...GVEPSLK	45
NTDB id	63513	AABJ71	RS04060	WP	338384456.1	MNMEEIVALSVKHNVSDLHLCS...AWPARWR	42
NTDB id	1448	BW25113	RS15320	WP	001326494.1	MNMEEIVALSVKHNVSDLHLCS...AWPARWR	42
NTDB id	1307	DR	RS10055	WP	010888596.1	MTSGIDITDILRLAADKGASDITILAA...GLPPQ	49
NTDB id	1086	NMV	RS00245	WP	002218487.1	MQITDLLAFGAKNKASDLHLSS...GISPMIR	45
NTDB id	1116	NGFG	RS10615	WP	003690200.1	MQITDLLAFGAKNKASDLHLSS...GISPMIR	45
NTDB id	1185	GTF74	RS11940	WP	000350195.1	MDIAELLEFSVKHNASDLHLSA...GVPPMVR	45
NTDB id	1176	A1552VC	RS01160	WP	000350195.1	MDIAELLEFSVKHNASDLHLSA...GVPPMVR	45
NTDB id	1283	ACE17W	RS02630	WP	010947729.1	MDIAELLAFSVKNKSSDLHISA...GMPPMIR	45
NTDB id	1259	GC085	RS10305	WP	010947729.1	MDIAELLAFSVKNKSSDLHISA...GMPPMIR	45
NTDB id	1202	PSJM300	01600	AFN76400.1	MDITELLAFAKQASDLHLSS...GLPPMIR	45	
NTDB id	1194	PA0395	NP	249086.1	MDITELLAFAKQASDLHLSA...GLPPMIR	45	
NTDB id	1020	ACIAD	RS04210	WP	011182164.1	MDITELLAFSVQNRASDLHLSA...GIPPMIR	45
NTDB id	1081	FDQ49	RS05335	WP	006581387.1	MDITELLAFSVKNKASDLHLSA...GMPPMIR	45
NTDB id	1060	ABD1	RS04380	WP	000355489.1	MDITELLAFSVKNKASDLHLSA...GMPPMIR	45
NTDB id	1040	HON27	RS13360	WP	000355489.1	MDITELLAFSVKNKASDLHLSA...GMPPMIR	45
consensus						*** ***** *!***** *****!***** ***	

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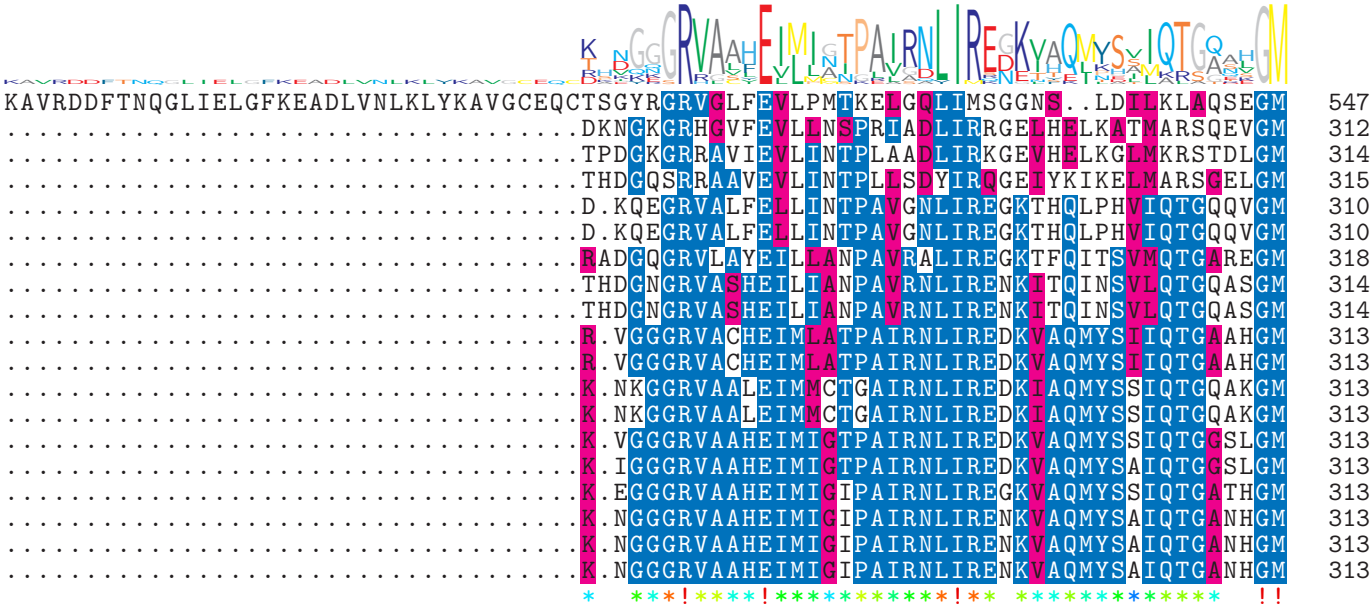
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NTDB	id	1203	PSJM300	01605	AFN76401.1	MTRETVHGVNMNEQQRRE..FTENHECNFAISARG.TGRFRVSAFYQRNL	116	
NTDB	id	1019	ACIAD	RS04205	WP	004922051.1	MIAQLIDSITTQKQRQE..FIETHECNFAILNREKNERFRVSAFQQRDMPGMVIRRIET	117
NTDB	id	63513	AABJ71	RS04060	WP	338384456.1	DGEELLREWLDLDDQRAI..LLENGQLDFAVSLAE.NQRLRGSFAFAQRQG	113
NTDB	id	1448	BW25113	RS15320	WP	001326494.1	DVEELLREWLDLDDQRAI..LLENGQLDFAVSLAE.NQRLRGSFAFAQRHG	113
NTDB	id	1307	DR	RS10055	WP	010888596.1	DTRKLMYSMMNERQQRRI..FEEKRELDFSALGD..KARFRVNAFMQ	120
NTDB	id	1086	NMV	RS00245	WP	002218487.1	EVGNMVTSMNDHQRKI..YQQNLEVDFSFEIPN.VARFRVNAFNIGRGP	116
NTDB	id	1116	NGFG	RS10615	WP	003690200.1	EVGNMVTSMNDHQRKI..YQQNLEVDFSFEIPN.VARFRVNAFNIGRGP	116
NTDB	id	1185	GTF74	RS11940	WP	000350195.1	DVHRLIFEIMNDAQRSE..YEEKLEVDFSFEIPN.VGRFRVNAFHQARGCS	116
NTDB	id	1176	A1552VC	RS01160	WP	000350195.1	DVHRLIFEIMNDAQRSE..YEEKLEVDFSFEIPN.VGRFRVNAFHQARGCS	116
NTDB	id	1283	ACE17W	RS02630	WP	010947729.1	DVIKIIYDIMNDRQRKE..YEEFFETDFSFEIPN.LARFRVNAFNQSRGA	116
NTDB	id	1259	GC085	RS10305	WP	010947729.1	DVIKIIYDIMNDRQRKE..YEEFFETDFSFEIPN.LARFRVNAFNQSRGA	116
NTDB	id	1202	PSJM300	01600	AFN76400.1	QVHALIYDIMNDKQRKD..FEEFLETDFSFEVPG.VARFRVNAFNQNRGAG	116	
NTDB	id	1194	PA0395	NP	249086.1	QVHALIYDIMNDKQRKD..FEEFLETDFSFEVPG.VARFRVNAFNQNRGAG	116	
NTDB	id	1020	ACIAD	RS04210	WP	011182164.1	EVHNLIIYDIMNDKQRD..YEEKLETDFSFEVPG.VARFRVNVFNQNRGAG	116
NTDB	id	1081	FDQ49	RS05335	WP	006581387.1	DVHRLVYDIMNDKQRD..YEEKLETDFSFEVPG.VARFRVNAFNQNRGAG	116
NTDB	id	1060	ABD1	RS04380	WP	000355489.1	DVHRLVYDIMNDKQRD..YEEKLETDFSFEVPG.VARFRVNAFNQNRGAG	116
NTDB	id	1040	HON27	RS13360	WP	000355489.1	DVHRLVYDIMNDKQRD..YEEKLETDFSFEVPG.VARFRVNAFNQNRGAG	116
consensus							** ***** **** * ***** *****!***** ** *****!***** ** ***** *	

NTDB	id	1251	GC085	RS07725	WP	011946523.1	KAIQR	PQ	CM	IL	VT	GPTG	SGK	IV	TL	YTA	L	N	I	N	T	I	.	E	V	N	I	S	T	A	E	D	P	V	E	I	K	V	P	G	I	N	Q	V	N	I	.	.	.	N	P	K	A	G	L	T	F	S	G	A	L	R	S	F	L	R	Q		395																	
NTDB	id	1177	A1552VC	RS01165	WP	000422572.1	N	L	A	I	A	K	R	G	L	V	L	V	G	A	T	G	S	G	S	T	T	A	A	M	T	G	Y	R	N	Q	H	R	T	G	H	I	L	T	V	E	D	P	I	E	F	V	H	E	H	K	R	C	I	V	T	Q	R	E	V	G	L	D	T	E	S	Y	E	V	A	L	K	N	S	L	R	Q	A		194	
NTDB	id	1203	PSJM300	01605	AFN	76401.1	K	L	A	L	T	K	R	G	L	V	L	F	V	G	A	T	G	T	G	K	S	T	L	A	A	M	I	G	Y	R	N	K	N	S	S	G	H	I	S	I	E	D	P	I	E	F	I	H	Q	H	Q	N	C	I	V	T	Q	R	E	V	G	I	D	T	S	F	E	V	A	L	K	N	T	L	R	Q	A		196	
NTDB	id	1019	ACIAD	RS04205	WP	004922051.1	E	L	A	M	S	K	R	C	T	I	I	F	S	G	A	T	G	T	G	K	S	T	L	A	S	M	I	Q	H	R	N	Q	H	S	K	G	H	I	I	T	E	D	P	I	E	F	I	H	E	H	A	G	C	I	I	T	Q	R	E	V	G	I	D	T	S	F	E	I	A	L	K	N	T	L	R	Q	A		197	
NTDB	id	63513	ABAJ71	RS04060	WP	338384456.1	E	L	L	K	S	E	N	G	M	I	L	V	T	G	A	T	G	S	G	S	T	T	L	A	A	M	V	G	Y	L	N	Q	H	A	D	A	H	I	L	T	E	D	P	V	E	Y	L	A	S	Q	R	C	L	I	Q	R	E	I	G	L	H	C	M	T	F	A	S	G	L	R	A	A	L	R	E	D		193		
NTDB	id	1448	BW25113	RS15320	WP	001326494.1	E	L	L	K	S	E	N	G	M	I	L	V	T	G	A	T	G	S	G	S	T	T	L	A	A	M	V	G	Y	L	N	Q	H	A	D	A	H	I	L	T	E	D	P	V	E	Y	L	A	S	Q	R	C	L	I	Q	R	E	I	G	L	H	C	M	T	F	A	S	G	L	R	A	A	L	R	E	D		193		
NTDB	id	1307	DR	RS10055	WP	010888596.1	D	I	A	N	A	P	R	G	L	V	L	T	G	P	T	G	S	G	S	T	T	L	A	S	M	I	D	H	I	N	T	T	K	L	H	I	L	T	E	D	P	I	E	F	M	H	P	N	K	A	S	I	N	Q	R	E	V	G	S	D	T	S	F	D	A	L	R	A	A	L	R	Q	A		200					
NTDB	id	1086	NMV	RS00245	WP	002218487.1	K	I	A	E	S	P	R	C	M	V	L	V	T	G	P	T	G	S	G	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	L	T	E	D	P	I	E	F	V	H	Q	S	K	K	S	L	I	N	Q	R	E	L	H	Q	H	T	L	S	F	A	N	A	L	R	S	A	L	R	E	D		196
NTDB	id	1116	NGFG	RS10615	WP	003690200.1	K	I	A	E	S	P	R	C	M	V	L	V	T	G	P	T	G	S	G	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	L	T	E	D	P	I	E	F	V	H	Q	S	K	K	S	L	I	N	Q	R	E	L	H	Q	H	T	L	S	F	A	N	A	L									

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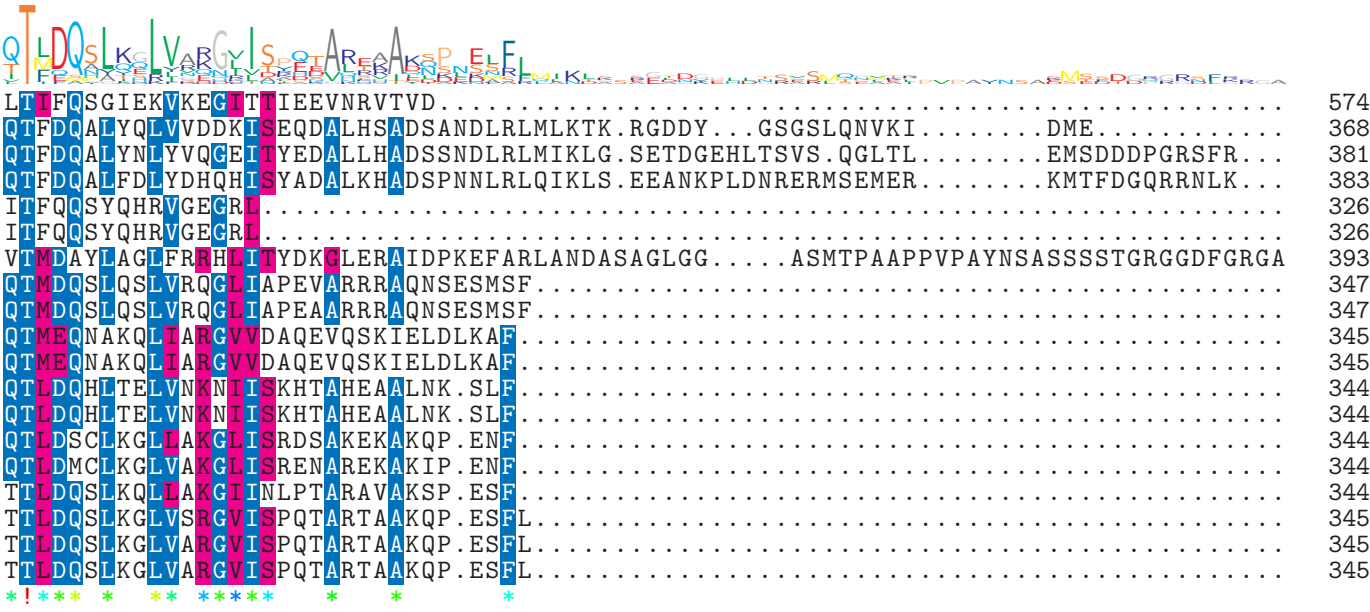
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NTDB id	1086	NMV	RS00245	WP	002218487.1
NTDB id	1116	NGFG	RS10615	WP	003690200.1
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NTDB id	1283	ACE17W	RS02630	WP	010947729.1
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NTDB id	1202	PSJM300	01600	AFN76400.1	
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NTDB id	1081	FDQ49	RS05335	WP	006581387.1
NTDB id	1060	ABD1	RS04380	WP	000355489.1
NTDB id	1040	HON27	RS13360	WP	000355489.1
consensus					



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NTDB id	1251	GC085	RS07725	WP	011946523.1
NTDB id	1177	A1552VC	RS01165	WP	000422572.1
NTDB id	1203	PSJM300	01605	AFN76401.1	
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NTDB id	1202	PSJM300	01600	AFN76400.1	
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consensus					



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NTDB id 1251 GC085 RS07725 WP 011946523.1		574
NTDB id 1177 A1552VC RS01165 WP 000422572.1		368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 63513 AABJ71 RS04060 WP 338384456.1	.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	AAPATPAAPAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1		347
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NTDB id 1176 A1552VC RS01160 WP 000350195.1		345
NTDB id 1283 ACE17W RS02630 WP 010947729.1		344
NTDB id 1259 GC085 RS10305 WP 010947729.1		344
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NTDB id 1194 PA0395 NP 249086.1		344
NTDB id 1020 ACIAD RS04210 WP 011182164.1		344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
consensus		

 non conserved
 similar
 ≥ 50% conserved