

logo

NTDB id 1251 GCO85 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEEKISLLQYIVKNKILSAEQIALTAAGNFQVPMLEINCLDVETI	80
NTDB id 1177 A1552VC RS01165 WP 000422572.1	.....	0
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	0
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	0
NTDB id 101665 AABJ55 RS11405 WP 103522742.1	.....	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 GCO85 RS10305 WP 010947729.1	.....	0
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	0
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	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		

logo

NTDB id 1251 GCO85 RS07725 WP 011946523.1	PVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE	160
NTDB id 1177 A1552VC RS01165 WP 000422572.1	.....	0
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	0
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	0
NTDB id 101665 AABJ55 RS11405 WP 103522742.1	.....	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 GCO85 RS10305 WP 010947729.1	.....	0
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	0
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	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		

logo

NTDB id 1251	GC085	RS07725	WP 011946523.1	DSGDLEGLEISADDEDQDIDTATSVTDDAPIVKFV	NDITELLAFSVKNSASDLHL	SA	240
NTDB id 1177	A1552VC	RS01165	WP 000422572.1	.....	.....	.....	44
NTDB id 1203	PSJM300	01605	AFN76401.1	.....	.....	.....	45
NTDB id 1019	ACIAD	RS04205	WP 004922051.1	.....	.....	.....	45
NTDB id 101665	AABJ55	RS11405	WP 103522742.1	.....	.....	.....	42
NTDB id 1307	DR	RS10055	WP 010888596.1	.....	.....	.....	49
NTDB id 1086	NMV	RS00245	WP 002218487.1	.....	.....	.....	45
NTDB id 1116	NGFG	RS10615	WP 003690200.1	.....	.....	.....	45
NTDB id 1185	GTF74	RS11940	WP 000350195.1	.....	.....	.....	45
NTDB id 1176	A1552VC	RS01160	WP 000350195.1	.....	.....	.....	45
NTDB id 1283	ACE17W	RS02630	WP 010947729.1	.....	.....	.....	45
NTDB id 1259	GC085	RS10305	WP 010947729.1	.....	.....	.....	45
NTDB id 1202	PSJM300	01600	AFN76400.1	.....	.....	.....	45
NTDB id 1194	PAKAF	RS01995	WP 003084552.1	.....	.....	.....	45
NTDB id 1020	ACIAD	RS04210	WP 011182164.1	.....	.....	.....	45
NTDB id 1081	FDQ49	RS05335	WP 006581387.1	.....	.....	.....	45
NTDB id 1060	ABD1	RS04380	WP 000355489.1	.....	.....	.....	45
NTDB id 1040	HON27	RS13360	WP 000355489.1	.....	.....	.....	45
consensus				***	*****	!!*****	*****!*****

logo

NTDB id 1251	GC085	RS07725	WP 011946523.1	SRITARIKVM	SNLDISERRIPQ	DGGFKMKISKSR	AIDFRV	STCPTSA	GEKVVMRVL	DSGAAKLG	IEALGFNP	VQRTN	FL	319																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB id 1177	A1552VC	RS01165	WP 000422572.1	DVTAL	THAMMD	DARQAE	FKQ	TR	EANFAVVRD	SCRFRVS	SAFFQ	RELPGAVIRRI	ETRI	P	114																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id 1203	PSJM300	01605	AFN76401.1	MTRET	VHGV	MNE	QQR	RE	FTEN	HECN	FAISARG	IGRFRVS	SAFYQ	RNLG	GMVLRRIET	NIP	TI	ED	LK	LPD	V	....	LK	116																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1019	ACIAD	RS04205	WP 004922051.1	MIAQL	IDS	IT	TQ	QR	QE	FI	ET	HECN	FAILN	REKNER	FRVS	SAFQ	QRDM	PGM	VLRRIET	KIP	SP	DD	LH	LP	I	....	LK	117																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB id 101665	AABJ55	RS11405	WP 103522742.1	DVEEL	LE	WLD	DF	Q	RAI	LL	ENG	GLD	FAV	SLAE	NQRL	RGSA	FAQR	HIS	LALRL	LP	SHCP	Q	LE	Q	L	G	A	P	T	V	....	LP	113																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id 1307	DR	RS10055	WP 010888596.1	DTRKL	MY	S	M	N	E	R	Q	Q	H	I	..	FEE	K	R	E	L	D	F	S	F	A	L	G	D	..	K	A	R	F	R	V	N	A	F	M	Q	R	G	N	V	G	C	V	M	R	L	I	P	T	T	V	R	..	T	I	A	E	M	G	L	P	Q	T		VI	120																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1086	NMV	RS00245	WP 002218487.1	EVGNM	V	T	S	V	M	N	D	H	Q	R	K	I	..	Y	Q	N	L	E	V	D	F	S	F	E	L	P	N	..	V	A	R	F	R	V	N	A	F	N	I	G	R	G	P	A	A	V	F	R	T	I	P	S	T	V	L	..	S	L	E	E	L	K	A	P	S	I		FQ	116																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1116	NGFG	RS10615	WP 003690200.1	EVGNM	V	T	S	V	M	N	D	H	Q	R	K	I	..	Y	Q	N	L	E	V	D	F	S	F	E	L	P	N	..	V	A	R	F	R	V	N	A	F	N	T	G	R	G	P	A	A	V	F	R	T	I	P	S	T	V	L	..	S	L	E	E	L	K	A	P	S	I		FQ	116																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1185	GTF74	RS11940	WP 000350195.1	DVHRL	L	F	E	I	M	N	D	A	Q	R	S	E	..	Y	E	E	K	L	E	V	D	F	S	F	E	L	P	N	..	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	S	A	V	F	R	T	I	P	T	V	I	P	..	T	L	E	Q	L	D	A	P	E	I		FS	116																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1176	A1552VC	RS01160	WP 000350195.1	DVHRL	L	F	E	I	M	N	D	A	Q	R	S	E	..	Y	E	E	K	L	E	V	D	F	S	F	E	L	P	N	..	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	S	A	V	F	R	T	I	P	T	V	I	P	..	T	L	E	Q	L	D	A	P	E	I		FS	116																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1283	ACE17W	RS02630	WP 010947729.1	DVIKI	I	I	Y	D	I	M	N	D	R	Q	R	K	E	..	Y	E	E	F	F	E	T	D	F	S	F	E	I	A	N	..	L	A	R	F	R	V	N	A	F	N	Q	S	R	G	A	A	A	V	F	R	T	I	P	S	E	I	L	..	S	M	E	D	L	G	L	P	P	I		FK	116																																																																																																																																																																																																																																																																																																																																																																	
NTDB id 1259	GC085	RS10305	WP 010947729.1	DVIKI	I	I	Y	D	I	M	N	D	R	Q	R	K	E	..	Y	E	E	F	F	E	T	D	F	S	F	E	I	A	N	..	L	A	R	F	R	V	N	A	F	N	Q	S	R	G	A	A	A	V	F	R	T	I	P	S	E	I	L	..	S	M	E	D	L	G	L	P	P	I		FK	116																																																																																																																																																																																																																																																																																																																																																																	
NTDB id 1202	PSJM300	01600	AFN76400.1	QVHAL	I	Y	D	I	M	N	D	K	Q	R	K	D	..	F	E	E	F	L	E	T	D	F	S	F	E	V	P	G	..	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	..	T	M	E	D	L	G	M	G	E	V		FR	116																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1194	PAKAF	RS01995	WP 003084552.1	QVHAL	I	Y	D	I	M	N	D	K	Q	R	K	D	..	F	E	E	F	L	E	T	D	F	S	F	E	V	P	G	..	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	..	T	M	E	E	L	G	M	G	E	V		FK	116																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1020	ACIAD	RS04210	WP 011182164.1	EVHNL	I	Y	D	I	M	N	D	K	Q	R	R	D	..	Y	E	E	K	L	E	T	D	F	S	F	E	V	P	N	..	L	A	R	F	R	V	N	V	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	Q	V	L	..	T	L	E	E	L	G	L	G	K	I		FR	116																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1081	FDQ49	RS05335	WP 006581387.1	DVHRL	L	V	Y	D	I	M	N	D	K	Q	R	R	D	..	Y	E	E	K	L	E	T	D	F	S	F	E	V	P	N	..	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	..	T	M	E	D	L	G	L	G	Q	I		FK	116																																																																																																																																																																																																																																																																																																																																																																	
NTDB id 1060	ABD1	RS04380	WP 000355489.1	DVHRL	L	V	Y	D	I	M	N	D	K	Q	R	R	D	..	Y	E	E	K	L	E	T	D	F	S	F	E	V	P	N	..	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	..	T	M	E	D	L	G	L	G	Q	I		FK	116																																																																																																																																																																																																																																																																																																																																																																	
NTDB id 1040	HON27	RS13360	WP 000355489.1	DVHRL	L	V	Y	D	I	M	N	D	K	Q	R	R	D	..	Y	E	E	K	L	E	T	D	F	S	F	E	V	P	N	..	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	..	T	M	E	D	L	G	L	G	Q	I		FK	116																																																																																																																																																																																																																																																																																																																																																																	
consensus				**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

```

NTDB id 1251 GCO85 RS07725 WP 011946523.1
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 101665 AABJ55 RS11405 WP 1203522742.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GCO85 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
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

```



logo

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 101665 AABJ55 RS11405 WP 103522742.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	AAPATPAAPAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	345
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
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	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