

NTDB	id	1203	PSJM300	01605	AFN76401.1		M	E	F	E	K	L	L	R	L	M	V	E	K	G	S	D	L	F	I	T	A	G	V	P	P	S	M	K	V	N	G	K	I	L	P	V	N	K	T	P	M	S	P	E	M	T	R	E	T	V	H	G	V	M	N	E	Q	Q	R	R	E	F	T	E	N	H	E	C	N	F	A	I	S	A	R		76		
NTDB	id	1177	A1552VC	RS01165	WP	000422572.1		M	E	L	N	Q	Y	L	D	G	M	I	T	H	K	A	S	D	L	Y	I	T	V	G	A	P	I	L	Y	R	V	D	G	E	L	R	A	Q	G	E	A	.	L	S	V	A	D	V	T	A	L	L	H	A	M	M	D	D	A	R	Q	A	E	F	K	Q	T	R	E	A	N	F	A	V	.	V	R		74
NTDB	id	37339	GC56T3	RS04690	WP	013144602.1	..	M	K	E	K	L	E	A	L	L	R	A	A	F	E	C	R	A	S	D	V	H	L	T	V	G	A	P	I	F	R	V	N	G	E	L	R	A	Y	G	H	E	R	L	H	P	E	E	T	E	Q	M	A	K	A	V	I	P	A	P	L	W	Q	F	Q	E	T	G	E	L	D	F	S	Y	G	I	A		78
NTDB	id	1307	DR	RS10055	WP	01088596.1	MTSGI	D	I	T	D	L	R	L	A	A	D	K	G	A	S	D	I	L	A	A	G	L	P	P	Q	F	K	L	S	G	D	Y	D	A	Q	G	F	E	L	P	S	A	S	D	T	R	K	L	M	Y	S	M	N	N	R	Q	R	I	F	E	E	K	L	E	D	F	S	F	A	L	G		80						
NTDB	id	1116	NGFG	RS10615	WP	003690200.1		M	Q	I	T	D	L	A	F	A	G	A	K	N	K	A	S	D	L	H	S	S	G	I	S	P	M	I	R	V	H	G	D	M	R	R	I	N	L	P	E	M	S	A	E	E	V	G	N	M	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		76		
NTDB	id	1086	NMGV	RS00245	WP	002218487.1		M	Q	I	T	D	L	A	F	A	G	A	K	N	K	A	S	D	L	H	S	S	G	I	S	P	M	I	R	V	H	G	D	M	R	R	I	N	L	P	E	M	S	A	E	E	V	G	N	M	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		76		
NTDB	id	1185	GTF74	RS11940	WP	000350195.1		M	D	I	A	E	L	L	E	F	S	V	K	H	N	A	S	D	L	H	S	A	G	V	P	P	M	V	R	I	D	G	E	V	R	K	L	G	V	P	A	F	T	H	S	D	V	H	R	L	I	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		76	
NTDB	id	1176	A1552VC	RS01160	WP	000350195.1		M	D	I	A	E	L	L	E	F	S	V	K	H	N	A	S	D	L	H	S	A	G	V	P	P	M	V	R	I	D	G	E	V	R	K	L	G	V	P	A	F	T	H	S	D	V	H	R	L	I	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		76	
NTDB	id	1283	ACE17W	RS02630	WP	010947729.1		M	D	I	A	E	L	L	A	F	S	V	K	N	K	S	D	L	H	I	S	A	G	M	P	P	M	I	R	V	D	G	D	L	R	K	I	N	L	P	P	L	E	H	K	D	V	I	K	.	I	I	Y	D	I	M	N	D	R	Q	R	K	E	Y	E	E													

NTDB	id	1203	PSJM300	01605	AFN76401.1	G	C	G	R	F	R	V	S	A	F	Y	Q	R	N	L	A	G	M	V	L	R	R	I	E	T	N	I	P	T	I	E	D	L	K	L	P	D	V	L	K	K	L	A	L	T	K	R	G	L	V	L	F	V	G	A	T	G	T	K	S	T	S	L	A	A	M	I	G	Y	R	N	K	N	S	S	G	H	I	156		
NTDB	id	1177	A1552VC	RS01165	WP	000422572.1	D	S	C	R	F	R	V	S	A	F	F	Q	R	E	L	P	G	A	V	I	R	R	I	E	T	R	I	P	T	F	E	E	L	K	L	P	E	V	L	Q	N	L	A	I	A	K	R	G	L	V	L	V	G	A	T	G	S	G	K	S	T	T	A	A	M	T	G	Y	R	N	Q	H	R	T	G	H	I	L	154	
NTDB	id	37339	GC56T3	RS04690	WP	013144602.1	G	V	S	R	F	R	V	N	V	F	K	Q	R	S	C	V	S	L	A	V	L	L	I	P	V	R	I	P	T	L	E	E	L	G	L	P	D	V	L	K	R	I	A	E	K	P	H	G	L	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	D	Y	M	N	K	T	M	S	K	H	I	158
NTDB	id	1307	DR	RS10055	WP	010888596.1	D	K	A	R	F	R	V	N	A	F	M	Q	R	G	N	V	G	V	M	R	L	I	P	T	T	V	R	T	I	A	E	M	G	L	P	Q	T	V	I	D	I	A	N	A	P	R	G	L	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	S	M	I	D	H	I	N	T	T	K	L	H	I	L	160	
NTDB	id	1116	NGF	RS10615	WP	003690200.1	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	F	Q	K	I	A	E	S	P	R	G	M	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	L	156
NTDB	id	1086	NMG	RS00245	WP	002218487.1	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	F	Q	K	I	A	E	S	P	R	G	M	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	L	156
NTDB	id	1185	GTF74	RS11940	WP	000350195.1	N	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	C	S	A	V	F	R	T	I	P	T	V	I	P	T	L	E	Q	L	D	A	P	E	I	F	S	K	I	A	N	Y	E	K	G	L	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	V	N	A	H	N	K	H	I	L	156
NTDB	id	1176	A1552VC	RS01160	WP	000350195.1	N	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	C	S	A	V	F	R	T	I	P	T	V	I	P	T	L	E	Q	L	D	A	P	E	I	F	S	K	I	A	N	Y	E	K	G	L	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	V	N	A	H	N	K	H	I	L	156
NTDB	id	1283	ACE17W	RS02630	WP	010947729.1	N	D	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	F	K	E	M	A	S	F	S	R	G																																

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NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 37339 GC56T3 RS04690 WP 013144602.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1086 NMV RS00245 WP 002218487.1
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 GC085 RS10305 WP 010947729.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 37339 GC56T3 RS04690 WP 013144602.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1086 NMV RS00245 WP 002218487.1
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 GC085 RS10305 WP 010947729.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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logo

NTDB id 1203 PSJM300 01605 AFN76401.1	FDQALYNLYVQGEITYEDALLHADSSN..DLRLMIKLGSETDGEHLTSVSQGLTLEMS....DDDPGRSFR.....	381
NTDB id 1177 A1552VC RS01165 WP 000422572.1	FDQALYQLVVDKISEQDALHSADSAN..DLRLMLKTKRGDDYGS...SLQNVKIDME.....	368
NTDB id 37339 GC56T3 RS04690 WP 013144602.1	MEMSVKELAADGRIDPLAAEVYLAGE.....RGDDGAV.....	351
NTDB id 1307 DR RS10055 WP 010888596.1	MDAYLAGLFRHHLITYDKGLERAID.PKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATP	399
NTDB id 1116 NGFG RS10615 WP 003690200.1	MDQSLQSLVRQGLIAPEARRRAQNSSESMSF.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	MDQSLQSLVRQGLIAPEVARRRAQNSSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LDQHLLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	LDQHLLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	LDQSLKGLVAKGLISRENAREKAKI.PENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	LDQSLKGLVAKGLISRDSEKAKAKQ.PENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LDQSLKGLVAKGLIINLPTARAVAKS.PESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	LDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LDQSLKGLVSRGVISPQTARTAAKQ.PESFL.....	345
consensus	*** ** !* ***** * *	

logo

NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1177 A1552VC RS01165 WP 000422572.1	.....	368
NTDB id 37339 GC56T3 RS04690 WP 013144602.1	.....	351
NTDB id 1307 DR RS10055 WP 010888596.1	AAPAAGRSEPGRAGGFGRR	418
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	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 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
consensus		

- non conserved
- similar
- ≥ 50% conserved