

logo

NTDB id 1306 DR RS10060 WP 027479822.1	MSXLSIGDRLGAALLDQGYLGNDLQRALERHSEVGGRLADVLDIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 232779 CCD89 RS08655 WP 002228974.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
consensus		

logo

NTDB id 1306 DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIYVPPSGA	157
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 232779 CCD89 RS08655 WP 002228974.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
consensus		

logo

NTDB id 1306 DR RS10060 WP 027479822.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1028 TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 232779 CCD89 RS08655 WP 002228974.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
consensus		

logo

```

NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

```

[illegible]

logo

```
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus
```

[illegible]

logo

```

NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

```

NPPDPKVAL	M	P	E	A	T	A	R	I	V	V	P	V	P	L	R	L	Q	N	S	L	V	A	M	K	D	P	R	N	F	A	L	D	D	L	K	L	I	T	G	...	K	E	L	P	A	V	A	M	A	E	K	D	I	I	R	L	T	E	R	F	Y	G	E	472										
DPPDPGAPIL	P	E	D	I	C	R	R	Y	G	F	P	H	R	L	E	G	N	R	L	V	L	M	K	D	P	R	N	I	L	A	D	D	V	R	L	A	L	K	R	G	L	N	Y	E	V	A	P	A	V	A	T	E	A	A	I	T	K	L	I	E	R	F	Y	G	K	477								
YDYAN	C	Q	Q	L	G	R	E	L	I	T	R	Y	D	A	L	P	I	A	Q	G	N	L	L	L	L	A	V	S	D	P	T	L	L	Q	A	E	E	F	R	F	A	T	G	...	L	Q	V	E	L	A	L	A	D	H	R	A	L	Q	A	A	I	R	R	L	Y	G	R	141						
YEYAS	C	Q	Q	L	G	R	E	L	I	T	R	H	N	A	L	P	L	H	R	T	P	S	T	L	L	L	A	V	A	D	P	T	N	Q	Q	A	E	D	D	F	R	F	A	T	G	...	L	Q	V	E	L	V	L	A	D	F	R	E	L	S	T	A	I	R	R	L	Y	G	R	141				
YEYAS	C	Q	T	L	G	L	R	D	L	I	T	R	H	N	A	L	P	L	N	T	S	T	L	L	L	A	V	A	D	P	T	N	Q	A	E	D	D	F	R	F	A	T	G	...	L	Q	V	E	L	V	L	A	D	F	R	E	L	S	T	A	A	I	R	R	L	Y	G	R	141					
YPRHR	V	L	M	G	V	L	T	E	Q	M	V	E	F	H	C	V	P	V	F	R	G	D	K	V	F	F	A	V	S	D	P	T	Q	M	P	Q	I	Q	K	T	V	S	A	A	G	...	I	E	V	E	L	V	I	V	E	D	D	Q	L	A	G	L	D	V	W	G	S	R	140					
YPRHR	V	L	M	G	V	L	T	E	Q	M	V	E	F	H	C	V	P	V	F	R	G	D	K	V	F	F	A	V	S	D	P	T	Q	M	P	Q	I	Q	K	T	V	S	A	A	G	...	I	E	V	E	L	V	I	V	E	D	D	Q	L	A	G	L	D	V	W	G	S	R	140					
I	D	V	G	T	I	P	V	N	L	V	N	E	K	L	I	K	R	H	A	M	V	P	L	F	S	R	G	T	N	L	Y	L	A	T	D	D	P	S	K	Q	A	S	L	K	E	I	Q	F	H	T	G	...	L	N	T	H	A	I	V	E	T	D	K	L	S	A	L	I	D	N	L	T	A	149
F	D	P	A	L	F	L	K	D	K	I	D	E	K	L	I	Q	K	Y	R	I	M	P	L	V	H	R	G	H	V	L	Y	V	A	T	S	P	T	N	I	E	A	M	D	A	I	R	F	N	S																									

```

NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

```



```
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus
```



```

NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

```



logo

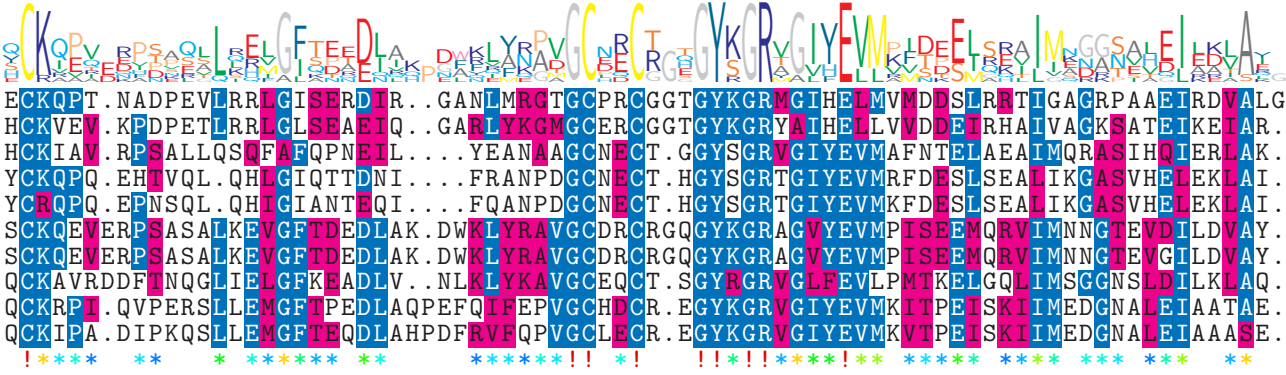
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus



779
782
458
458
458
449
449
467
462
462

logo

NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus



856
858
531
530
530
527
527
543
539
539

logo

NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 232779 CCD89 RS08655 WP 002228974.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus



887
889
562
561
561
558
558
574
570
570

[X] non conserved
[X] similar
[X] ≥ 50% conserved