

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	MEINQYLDGMLTHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTALLHAMMDARQA	EFKQ	TREANF	AVVRD	75
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPE	TRET	VHGV	76
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSL	KINGEITPVSKTK	LDGDMIAQLIDSITTQ	KQRQEF	76
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDII	LAAGLPPQFKLSGDYDAQGF	ELPSASD	TRKLMYSMMNER	QQRIF	80
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKAASDLHLS	SGISPMIRVHGD	MRRINLP	EMSAE	EVGNM	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKAASDLHLS	SGISPMIRVHGD	MRRINLP	EMSAE	EVGNM	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLS	SAGVPPMVRIDG	EV	RKLGVPAFTHSDV	HRLIFEIM	76
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLS	SAGVPPMVRIDG	EV	RKLGVPAFTHSDV	HRLIFEIM	76
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFAFSVKNKSSDLH	ISAGMPPMIRVDG	DLRKINL	PPLEHKDV	IKIYD	76
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFAFSVKNKSSDLH	ISAGMPPMIRVDG	DLRKINL	PPLEHKDV	IKIYD	76
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGASDLHLS	SGLPPMIRVDG	DVRRINL	PAMDHKQV	HALIYD	76
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGASDLHLS	SAGLPPMIRVDG	DVRRINL	PPLEHKQV	HALIYD	76
NTDB id 1020 ACIAD RS04210 WP 011182164.1	MDITELLAFSVQNRASDLHLS	SAGIPPMIRVDG	EVRRINL	PAMDHSEV	VHNLIYD	76
NTDB id 224824 B7L35 RS07825 WP 000355489.1	MDITELLAFSVKNGASDLHLS	SAGMPPMIRVDG	EVRRINL	PALEHKDV	HRLVYD	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLS	SAGMPPMIRVDG	EVRRINL	PALEHKDV	HRLVYD	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLS	SAGMPPMIRVDG	EVRRINL	PALEHKDV	HRLVYD	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLS	SAGMPPMIRVDG	EVRRINL	PALEHKDV	HRLVYD	76
consensus	*****!*****	*!!*****!	*****!*****	*****	*****	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	NVARFRVNAF	NQNRGAGAVERT	PSVLT	LELGLP	IFKKIA	RGVLV	TGPTGSGKST	LAA	MDYIN	TRYD	HI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	GIGRFRVSAFYQRNLAGMVL	RIETNIPT	IEDLKL	PDLVLLK	LALTKRGLV	LVFGATGTGKST	SLAAM	IGYRN	KNSSGHI			155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFQQRDMPGM	VIRRIETKIP	SPDDLHL	PPILKEL	AMSKRGII	IFSGATGTGKST	SLASMI	QHRN	QHSGKHI			156
NTDB id 1307 DR RS10055 WP 010888596.1	D.KARFRVNAFMQRGNV	GGVMRLIPT	TVRTIA	EMGLPQT	VIDIANAPRGLV	LVGTGPTGSGKST	TLASMI	DHINTT	KKLHI			159
NTDB id 1086 NMV RS00245 WP 002218487.1	NVARFRVNAFNI	GRGPA	AAVFRTIP	STVLSLEEL	KAPSI	IFQKIAES	PRGMVLV	TGPTGSGKST	TLAAMIN	YINET	QPAHI	155
NTDB id 1116 NGFG RS10615 WP 003690200.1	NVARFRVNAFNT	GRGPA	AAVFRTIP	STVLSLEEL	KAPSI	IFQKIAES	PRGMVLV	TGPTGSGKST	TLAAMIN	YINET	QPAHI	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	NVGRFRVNAFHQA	RGCSAVFRTIP	TVIPTLE	QLDAPEI	FSKIAN	YEKGLV	LVGTGPTGSGKST	TLAAMV	NYVNA	HHNKHI		155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	NVGRFRVNAFHQA	RGCSAVFRTIP	TVIPTLE	QLDAPEI	FSKIAN	YEKGLV	LVGTGPTGSGKST	TLAAMV	NYVNA	HHNKHI		155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	NLARFRVNAFNQSR	GAAAVFRTIP	SEILSMED	LGLPPI	IFKEMAS	FSRGLV	LVGTGPTGSGKST	TLAAV	IDYIN	SSRYEHI		155
NTDB id 1259 GC085 RS10305 WP 010947729.1	NLARFRVNAFNQSR	GAAAVFRTIP	SEILSMED	LGLPPI	IFKEMAS	FSRGLV	LVGTGPTGSGKST	TLAAV	IDYIN	SSRYEHI		155
NTDB id 1202 PSJM300 01600 AFN76400.1	GVARFRVNAFNQNR	GAGAVFRTIP	SKVLT	TMEDLGM	GEVFRK	ITDVP	RGLVLV	TGPTGSGKST	TLAAML	DYLNNT	KYHHI	155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	GVARFRVNAFNQNR	GAGAVFRTIP	SKVLT	TMEDLGM	GEVFRK	ITDVP	RGLVLV	TGPTGSGKST	TLAAML	DYLNNT	KYHHI	155
NTDB id 1020 ACIAD RS04210 WP 011182164.1	NLARFRVNVFNQNR	GAGAVFRTIP	SQVLT	LEELGL	GKIFR	DCDYPR	GLVLV	TGPTGSGKST	TLAAML	DYINN	HRDYHI	155
NTDB id 224824 B7L35 RS07825 WP 000355489.1	NVARFRVNAFNQNR	GAGAVFRTIP	SKVLT	TMEDLGL	GQIFK	DCDYPR	GLVLV	TGPTGSGKST	TLAAML	DYINEN	RYDHI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	NVARFRVNAFNQNR	GAGAVFRTIP	SKVLT	TMEDLGL	GQIFK	DCDYPR	GLVLV	TGPTGSGKST	TLAAML	DYINEN	RYDHI	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	NVARFRVNAFNQNR	GAGAVFRTIP	SKVLT	TMEDLGL	GQIFK	DCDYPR	GLVLV	TGPTGSGKST	TLAAML	DYINEN	RYDHI	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	NVARFRVNAFNQNR	GAGAVFRTIP	SKVLT	TMEDLGL	GQIFK	DCDYPR	GLVLV	TGPTGSGKST	TLAAML	DYINEN	RYDHI	155
consensus	*	*****!*****	*****!*****	*****	*****	*****	*****!*****	*****	*****	*****	*****	

```

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 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 224824 B7L35 RS07825 WP 000355489.1
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

```



```

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 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 224824 B7L35 RS07825 WP 000355489.1
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

```



logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTK.RGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLG.SETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHSYADALKHADSPNNLRLQIKLS.EEANKPLDNRRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKFARLANDASAGLGG.....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLIAKGIINLPTARAVAKSP.ESF.....	344
NTDB id 224824 B7L35 RS07825 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * !* ***** * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPGRAGGFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPGRAGGFGRR	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 224824 B7L35 RS07825 WP 000355489.1	.....	345
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