

logo

NTDB id 1362 HI 1008 AAC22669.1	.....	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	MGKLNRRGWKPNPVVIFVALALLVAIAVIGIGKVDPLGLGQSLARPDPPLPQQEEIQVYFNLNNAKGADFIDPDRDFKRQGD	80
NTDB id 1272 LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249 GC085 RS04230 WP 010946546.1	.....	0
NTDB id 36 MW RS08230 WP 001793467.1	.....	0
NTDB id 20 SA RS08005 WP 001802022.1	.....	0
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....	0
NTDB id 521 SMSK321 RS04960 WP 000443804.1	.....	0
NTDB id 493 SM12261 RS04300 WP 000387351.1	.....	0
NTDB id 153 SP RS04730 WP 000387344.1	.....	0
NTDB id 263 KZH43 RS04195 WP 000387330.1	.....	0
NTDB id 222 SPD RS04535 WP 000387330.1	.....	0
NTDB id 188 SPR RS04295 WP 000387330.1	.....	0
NTDB id 613 LCA RS05340 WP 231952379.1	.....	0
NTDB id 50402 CP31 RS11225 WP 231113573.1	.....	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	0
NTDB id 1069 ABD1 RS03060 WP 043960841.1	0
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NTDB id 1362 HI 1008 AAC22669.1	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	NFEQIILEQIDQAQSTIDLAVQELRLPRIAALVEKQKTGVRVRLVLENTYNQTIKEAVETEKDPFRYRGPLAYLDQNQD	160
NTDB id 1272 LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249 GC085 RS04230 WP 010946546.1	.....	0
NTDB id 36 MW RS08230 WP 001793467.1	.....	0
NTDB id 20 SA RS08005 WP 001802022.1	.....	0
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....	0
NTDB id 521 SMSK321 RS04960 WP 000443804.1	.....	0
NTDB id 493 SM12261 RS04300 WP 000387351.1	.....	0
NTDB id 153 SP RS04730 WP 000387344.1	.....	0
NTDB id 263 KZH43 RS04195 WP 000387330.1	.....	0
NTDB id 222 SPD RS04535 WP 000387330.1	.....	0
NTDB id 188 SPR RS04295 WP 000387330.1	.....	0
NTDB id 613 LCA RS05340 WP 231952379.1	.....	0
NTDB id 50402 CP31 RS11225 WP 231113573.1	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	0
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NTDB id 1362 HI 1008 AAC22669.1	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	GRISPAESAERDAIEILRTQKIPLIDDTEDGSKGSGMLMHHKFMVLDNKTIVIVTSANFTPSDQHG DYDDNFTRGNANLLV	240
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NTDB id 1249 GC085 RS04230 WP 010946546.1	0
NTDB id 36 MW RS08230 WP 001793467.1	0
NTDB id 20 SA RS08005 WP 001802022.1	.....	0
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....	0
NTDB id 521 SMSK321 RS04960 WP 000443804.1	.....	0
NTDB id 493 SM12261 RS04300 WP 000387351.1	.....	0
NTDB id 153 SP RS04730 WP 000387344.1	.....	0
NTDB id 263 KZH43 RS04195 WP 000387330.1	.....	0
NTDB id 222 SPD RS04535 WP 000387330.1	.....	0
NTDB id 188 SPR RS04295 WP 000387330.1	.....	0
NTDB id 613 LCA RS05340 WP 231952379.1	.....	0
NTDB id 50402 CP31 RS11225 WP 231113573.1	.....	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	0
NTDB id 1069 ABD1 RS03060 WP 043960841.1	0
consensus		

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NTDB id 1362 HI 1008 AAC22669.1	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	VQSPAVAHLFTEEFNLLWGDGPGA EKDSLFGINKPSRPAKVLKVGETTVTVKFSPDRRAIPFPNTSNGLIAQYLNQAQQK	10
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NTDB id 1249 GC085 RS04230 WP 010946546.1	0
NTDB id 36 MW RS08230 WP 001793467.1	14
NTDB id 20 SA RS08005 WP 001802022.1	.....	14
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....	0
NTDB id 521 SMSK321 RS04960 WP 000443804.1	.....	4
NTDB id 493 SM12261 RS04300 WP 000387351.1	.....	4
NTDB id 153 SP RS04730 WP 000387344.1	.....	4
NTDB id 263 KZH43 RS04195 WP 000387330.1	.....	4
NTDB id 222 SPD RS04535 WP 000387330.1	.....	4
NTDB id 188 SPR RS04295 WP 000387330.1	.....	4
NTDB id 613 LCA RS05340 WP 231952379.1	.....	6
NTDB id 50402 CP31 RS11225 WP 231113573.1	.....	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	0
NTDB id 1069 ABD1 RS03060 WP 043960841.1	0
consensus		

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NTDB id 1362 HI 1008 AAC22669.1FAEEKATXQTAQSV.....VTTQAEAQVAPAVVSDKLNINTATASEITQKSLTIGIGAK	71
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....NAEETAPAA.....Q.VEEGIVITVNIINTASAEELATLLKGI GLK	62
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....NAEETAPAA.....Q.VEEGIVITVNIINTASAEELATLLKGI GLK	62
NTDB id 1294 VP RS04495 WP 021449594.1	.....LAA..DTKA.....D.KYEGIEITVNIINTASAEETATMLKGI GEK	53
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....WAE.TKTKA.....D.KYEGIEITVNVNSATAQEITATLLTIGI GEK	54
NTDB id 105 BSU 25590 NP 390437.1	EILQDGTVV..YIPKKGEETAVVQGGG.....GVSQSDGGK GALVNINTATLEELQ.GISGVGPS	163
NTDB id 1416 SGL RS14595 WP 010873643.1	AHYQRELDRLYAVTEYGLPPTVQARIDR.....QEQECANPRPSPKPLAKATPNRLVNLNRGSQE ELE.SLPGIGPS	513
NTDB id 1272 LPP RS04360 WP 010946546.1	ARLIAILLSFIVIPFSSQAE.....NEPQKTPAKQVLVKGKINLNTADVSYL TGSFVKGI GKK	59
NTDB id 1249 GC085 RS04230 WP 010946546.1	ARLIAILLSFIVIPFSSQAE.....NEPQKTPAKQVLVKGKINLNTADVSYL TGSFVKGI GKK	59
NTDB id 36 MW RS08230 WP 001793467.1	EKLTDDQKMI..FIPHKGQKNVEPQIGV.....NSVHVKNGNTNNTKVN LNTASVSELM.SVPGV GQA	187
NTDB id 20 SA RS08005 WP 001802022.1	EKLTDDQKMI..FIPHKGQKNVEPQIEV.....NSVHVKNGNTNNTKVN LNTASVSELM.SVPGV GQA	187
NTDB id 1014 ACIAD RS13855 WP 004924483.1	QGFDDQYDA..WKTQQK.....AHDTRLNSSAS.....HHSLSKPTQQSGTGVKVN I NSATAKELQ.QLHGV GEK	87
NTDB id 521 SMSK321 RS04960 WP 000443804.1	QKVSDEALV..YVPTKGEESASQHT.....GSGAPSSTS KDKKINLNKASLEELK.QVKGL G GK	174
NTDB id 493 SM12261 RS04300 WP 000387351.1	QKVSDEALV..YVPTKGEEAASQQA.....GPGTASSTSKEKKVNLNKASLEELK.QVKGL G GK	174
NTDB id 153 SP RS04730 WP 000387344.1	QKVSDEALV..YVPTKGEAAVSQQT.....GSGTASSTSKEKKVNLNKASLEELK.QVKGL G GK	174
NTDB id 263 KZH43 RS04195 WP 000387330.1	QKVSDEALV..YVPTKGEAAVSQQT.....GLGTASSISKEKKVNLNKASLEELK.QVKGL G GK	174
NTDB id 222 SPD RS04535 WP 000387330.1	QKVSDEALV..YVPTKGEAAVSQQT.....GLGTASSISKEKKVNLNKASLEELK.QVKGL G GK	174
NTDB id 188 SPR RS04295 WP 000387330.1	QKVSDEALV..YVPTKGEAAVSQQT.....GLGTASSISKEKKVNLNKASLEELK.QVKGL G GK	174
NTDB id 613 LCA RS05340 WP 231952379.1	QKLTDDLII..YIPKKGEVVTDDQLIQAPQIATTSERTQEASTGTSANASSTS DTAKIDL NQADSTQLQ.TLNGIGPK	193
NTDB id 50402 CP31 RS11225 WP 231113573.1	..FDQNFQE..W.....KAKQQMYDQKLNITKSSH...SNGSKISQTKNFNDSTGQIHLN QANVNEFQ.QLKGV GEK	95
NTDB id 1041 HON27 RS14740 WP 005124713.1	..FDQNFQE..W.....KVKQQMYDQKLNISKSSH...SNSSKISQTKNFNDSTGQIHLN QANVNEFQ.QLKGI GEK	95

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NTDB id 1362 HI 1008 AAC22669.1	KAEAIIVQYREKHGCMFNXNAEQLLLEVQGIGKATLEKNEDRITIF.....	112
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	KAQAIIVDYREANGPFFTHIDDLTNVKGIGEATVRNNAARILL.....	103
NTDB id 1150 A1552VC RS08580 WP 001166105.1	KAQAIIVDYREANGPFFTHIDDLTNVKGIGEATVRNNAARILL.....	103
NTDB id 1294 VP RS04495 WP 021449594.1	KAQSIIVDYRTEHGPFKTAADLTNVKGIGEATIKKNEDRILL.....	94
NTDB id 1395 DSB67 RS04445 WP 010649155.1	KAQDIIVEYRNEHGPFKTAADLTNVKGIGEATVRKNEDRILL.....	95
NTDB id 105 BSU 25590 NP 390437.1	KAEAIIVAYRENGRFTIETITKVSIGIKSFEKIKSSITVK.....	205
NTDB id 1416 SGL RS14595 WP 010873643.1	TAEKIISTREQ.KAFTSLEDLGRVKGIGPSKTEGLRGKVTW.....	553
NTDB id 1272 LPP RS04360 WP 010946546.1	RAEAIIVAYRENHQGFKSLEELAEVKGIGQRFVDKNREKLKEIFVIN	105
NTDB id 1249 GC085 RS04230 WP 010946546.1	RAEAIIVAYRENHQGFKSLEELAEVKGIGQRFVDKNREKLKEIFVIN	105
NTDB id 36 MW RS08230 WP 001793467.1	KANAIVEYRNQGAQFQEIDDLKVKVGFSGKTFDKLKSFTI.....	228
NTDB id 20 SA RS08005 WP 001802022.1	KANAIVEYRNQGAQFQEIDDLKVKVGFSGKTFDKLKSFTI.....	228
NTDB id 1014 ACIAD RS13855 WP 004924483.1	KALAIIVEYRQYQKGFASVDDLQKVKGIGPKFIEKNRDRILAI.....	128
NTDB id 521 SMSK321 RS04960 WP 000443804.1	RAQDIIDHREANGKFKSVDELKVVSGIGAKTIEKLDYVTVD....	216
NTDB id 493 SM12261 RS04300 WP 000387351.1	RAQDIIDHREANGKFKSVDELKVVSGIGAKTIEKLDYVTVD....	216
NTDB id 153 SP RS04730 WP 000387344.1	RAQDIIDHREANGKFKSVDELKVVSGIGGKTIEKLDYVTVD....	216
NTDB id 263 KZH43 RS04195 WP 000387330.1	RAQDIIDHREANGKFKSVDELKVVSGIGGKTIEKLDYVTVD....	216
NTDB id 222 SPD RS04535 WP 000387330.1	RAQDIIDHREANGKFKSVDELKVVSGIGGKTIEKLDYVTVD....	216
NTDB id 188 SPR RS04295 WP 000387330.1	RAQDIIDHREANGKFKSVDELKVVSGIGGKTIEKLDYVTVD....	216
NTDB id 613 LCA RS05340 WP 231952379.1	KAEQIIIVAYRDEQKFKQIEDLQKVGIGPKTFEQLQSQICVN....	235
NTDB id 50402 CP31 RS11225 WP 231113573.1	TAEAIIVAHRRQRIIGGFKDIGQLKDVKGIGARKFEALSGRVTL.....	51
NTDB id 1041 HON27 RS14740 WP 005124713.1	KAQAIIVEYRQKNGSFKNIDEIKNVKGIGPAIFEKNSRLAL.....	136
NTDB id 1069 ABD1 RS03060 WP 043960841.1	KAQAIIVEYRQKNGSFKNIDEIKNVKGIGPAIFEKNSRLAL.....	136

consensus

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 non conserved
 similar
 $\geq 50\%$ conserved