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NTDB id 1313 DR RS12030 WP 010888966.1	IGQGGKEKTIA <sup>Y</sup> TA <sup>ER</sup> PEMEQEIRDRVMAAIRAGNAGEAPALAPA.....PAAPEAAEA.....	363
NTDB id 600 KW2 RS01765 WP 011675413.1	IGQGAEKAKNNYLKEHQDV <sup>F</sup> DEIDHKVRAAHGLDDSEVAETEETETASK.TKAKAKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IGQGS <sup>EN</sup> AKKYLAEHPEIFDEIDKQVRSKFG <sup>L</sup> IDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
NTDB id 228 SPD RS09265 WP 001085462.1	IGQGS <sup>EN</sup> AKKYLAEHPEIFDEIDKQVRSKFG <sup>L</sup> IDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
NTDB id 194 SPR RS08825 WP 001085462.1	IGQGS <sup>EN</sup> AKKYLAEHPEIFDEIDKQVRSKFG <sup>L</sup> IDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
NTDB id 159 SP RS09750 WP 001085462.1	IGQGS <sup>EN</sup> AKKYLAEHPEIFDEIDKQVRSKFG <sup>L</sup> IDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
NTDB id 499 SM12261 RS08315 WP 078228268.1	IGQGS <sup>EN</sup> AKKYLADNPEIFDEIDHQV <sup>RV</sup> QFGLIDGEEIAES...KKDE....AAQVDS..VNEEVTLDLGDLEIEIE	383
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IGQGS <sup>EN</sup> AKKYLADNPEVFAEIDHQV <sup>RV</sup> QFGLIDGEEAAES...KKDE....VAQVDS..VNEEVTLDLGDLEIEIE	383
NTDB id 453 Spy49 1753c ACI62003.1	IGQGS <sup>EN</sup> AKRYLADHPQLFDEIDR <sup>KV</sup> RVKFG <sup>L</sup> LEESEEEESAMAVASE.....E.....TDDLALDLNGIEIED.	378
NTDB id 408 SMU RS09530 WP 002262392.1	IGQGS <sup>EN</sup> AKKFLADNPEIFDDIDHKV <sup>RV</sup> QYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED.	383
NTDB id 115 BSU 16940 NP 389576.2	LGQGGREN <sup>A</sup> KQFLKENKDIMLMIQEQIREHYGLD <sup>NN</sup> GVVQQQAEEETQEEL..EFE.E.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	IGQGGREN <sup>A</sup> KNYLADHEDVEDEVRLK <sup>V</sup> RAAYG <sup>I</sup> SDVPEEDLPTTEDE.QI..NILPDDST.....EE.....	355
NTDB id 1245 Cj1673c YP 002345041.1	LGQGGREN <sup>S</sup> KAF <sup>L</sup> KENPEIADEITKA <sup>I</sup> QNSMGI <sup>E</sup> GMISGSEDDEG..EE.....	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	LGQGGREN <sup>A</sup> KALLKEDKALADEITLK <sup>I</sup> KESIGSN <sup>EE</sup> IMPLPDEPL..EEME.....	347
NTDB id 1211 C694 RS00795 WP 000963128.1	LGQGGREN <sup>A</sup> KALLKEDKALADEITLK <sup>I</sup> KESIGSN <sup>EE</sup> IMPLPDEPL..EEME.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	LGQGRD <sup>T</sup> VKELIKDNPELAELEAKIREKLQAK.....	343
NTDB id 43366 CD241 RS06955 WP 003851873.1	LGQGGKEK <sup>V</sup> RLYLK <sup>E</sup> TPELAEI <sup>E</sup> EDKIFRALH <sup>I</sup> GKYAALKDADDAL.TDDPVD <sup>M</sup> VPNV.....DFD.DSDDD.....	372
NTDB id 1389 A4U84 RS07560 WP 021112712.1	IGQGGK <sup>NN</sup> AVKWLKENPEIADKLEQEIR <sup>N</sup> TLAS <sup>N</sup> PNSVLKATASDSN <sup>DE</sup> SDVEEFSEE.....EL.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	IGQGGK <sup>DN</sup> V <sup>RV</sup> WLKENPEISDEIDAKIRAL <sup>NG</sup> VEMHIT <sup>E</sup> GTQDET <sup>D</sup> DGER.....PEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	IGQGGK <sup>DN</sup> V <sup>RV</sup> WLKENPEISDEIDAKIRAL <sup>NG</sup> VEMHIT <sup>E</sup> GTQDET <sup>D</sup> DGER.....PEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	IGQGGK <sup>DN</sup> V <sup>RV</sup> WLKENPEISDEIDAKIRAL <sup>NG</sup> VEMHIT <sup>E</sup> GTQDET <sup>D</sup> DGER.....PEE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	IGQGRD <sup>NC</sup> REFLRENAELAREIENK <sup>V</sup> REHLG <sup>V</sup> TPMGAVTLA.EEVEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	IGQGGKAN <sup>ACK</sup> YLKENPEIAKTLDK <sup>KL</sup> REMLLN <sup>PN</sup> EMQLIAETSSAADDVEFGAVPEE.....F.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	IGQGGKAN <sup>ACK</sup> YLKENPEIAKTLDK <sup>KL</sup> REMLLN <sup>PN</sup> EMQLIAETSSAADDVEFGAVPEE.....F.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	IGQGGK <sup>NN</sup> VIRYLEENPQISTEIEAVIREQLLTKASDQ <sup>TAA</sup> .HDETEEEP <sup>DLL</sup> ..ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	IGQGGK <sup>NN</sup> VIRYFEENNQIAEEIERNIREQLLTTGTNGAV <sup>Q</sup> .I.EDEEEP <sup>DLL</sup> ..LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	IGQGGKAN <sup>AA</sup> KYLEENPEIGQEIEQQIRAK <sup>LL</sup> VTSANTKATPVAEDLADADI.....	347
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consensus

non conserved  
 similar  
 ≥ 50% conserved