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NTDB id 373329 FOY67 RS02915 WP 036428109.1	SSIRLEVRKSENILSNS....EITGNKIKIKIVKNKTAIPFKTATISLLYNKGIDKIGELVDLLVSYEIIIEKSGVWYSY	307
NTDB id 600 KW2 RS01765 WP 011675413.1	ASVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELLNIAVEEGIIKKSGAWFAY	311
NTDB id 269 KZH43 RS08665 WP 001085462.1	ASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSY	310
NTDB id 228 SPD RS09265 WP 001085462.1	ASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSY	310
NTDB id 194 SPR RS08825 WP 001085462.1	ASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSY	310
NTDB id 159 SP RS09750 WP 001085462.1	ASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSY	310
NTDB id 499 SM12261 RS08315 WP 078228268.1	ASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSY	310
NTDB id 527 SMSK321 RS11065 WP 001085454.1	ASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSY	310
NTDB id 453 Spy49 1753c ACI62003.1	ASVRLDVRGTTQIKGTG.DQKDSIGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRTGELVKIASDLDIQKAGAWFSY	310
NTDB id 408 SMU RS09530 WP 002262392.1	SSVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAVVEIITYGEGISRTGELVKIASDLGIIQKAGAWYSY	310
NTDB id 115 BSU 16940 NP 389576.2	SSVRLDVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGEGISKEGEIIDLGTELDIVQKSGSWYSY	291
NTDB id 625 LCA RS02525 WP 011374196.1	STVRLDVRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGGISRTGELVDMAVEKDIINKSGSWYSY	293
NTDB id 1313 DR RS12030 WP 010888966.1	ASVRLDVRKIGQ....PTKVGNDAVANTVKIKTIVKNKVAAPFKEVELALVYGGKGFQDLSDLVGLAADMIIKKAGSFYSY	306
NTDB id 1245 Cj1673c YP 002345041.1	ASVRLDVRKIVAT....L.KQNEEPIGNRVKIKVVKNKVAPPFRQAEDVMFGEGLSREGELIDYGVKLDIVDKSGAWFSY	293
NTDB id 1211 C694 RS00795 WP 000963128.1	ASVRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFRQAEDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSY	295
NTDB id 1214 NCTC11637 00359 SQJ03206.1	ASVRIDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFRQAEDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSY	295
NTDB id 1334 RAOC RS04870 WP 004918236.1	ASVRIDIRRSLSDTGKIKDKSDEVIGNRTKIKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDIQKSGSWFSY	306
NTDB id 1389 A4U84 RS07560 WP 021112712.1	ASVRLDIRRCGV....V.KDGDEIIGSETKVKVVKNKVAPPFRQAEFDIMYGEGISRMNELLILAENGFIKKSGAWFSY	309
NTDB id 1130 NGFG RS03960 WP 003688695.1	SSVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEDILYGEGISWEGELIDIGVKNDIINKSGAWYSY	293
NTDB id 1124 NGFG RS03960 WP 003688695.1	SSVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEDILYGEGISWEGELIDIGVKNDIINKSGAWYSY	293
NTDB id 1123 OK783 RS03845 WP 003688695.1	SSVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEDILYGEGISWEGELIDIGVKNDIINKSGAWYSY	293
NTDB id 1427 RS RS02760 WP 011000510.1	ASVRLDIRRIGS....I.KKGEDEVVGNETKVKVVKNKVAPPFRQAEDILYGAGVSRGEIIDLGVEAKVVEKSGAWYSY	301
NTDB id 1165 A1552VC RS01565 WP 000344154.1	ASVRLDIRRTGA....I.KEGEDEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSY	292
NTDB id 1142 GTF74 RS11550 WP 000344154.1	ASVRLDIRRTGA....I.KEGEDEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSY	292
NTDB id 1074 ABD1 RS10195 WP 000344167.1	ASVRLDIRRIGQ....V.KEGDEIVGSETKVKVVKNKMAPPFKEAIFQILYGGKGTNQLGELVDLAVQQDIVQKAGAWYSY	292
NTDB id 1022 ACIAD RS06390 WP 004925639.1	ASVRLDIRRIGQ....V.KEGDEIIGSETKVKVVKNKMAPPFKEAIFQILYGGKGTNQLGELVDLAVQQDIVQKAGAWYSY	292
NTDB id 1205 PSJM300 05545 AFN77183.1	ASVRLDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRQAEDFQILYGGKIYRNGETIIDLGVQQGLVEKSGAWAY	292
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NTDB id 228 SPD RS09265 WP 001085462.1	EIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	EIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	EIEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIEE	384
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	....	349
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consensus

 non conserved  
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 ≥ 50% conserved