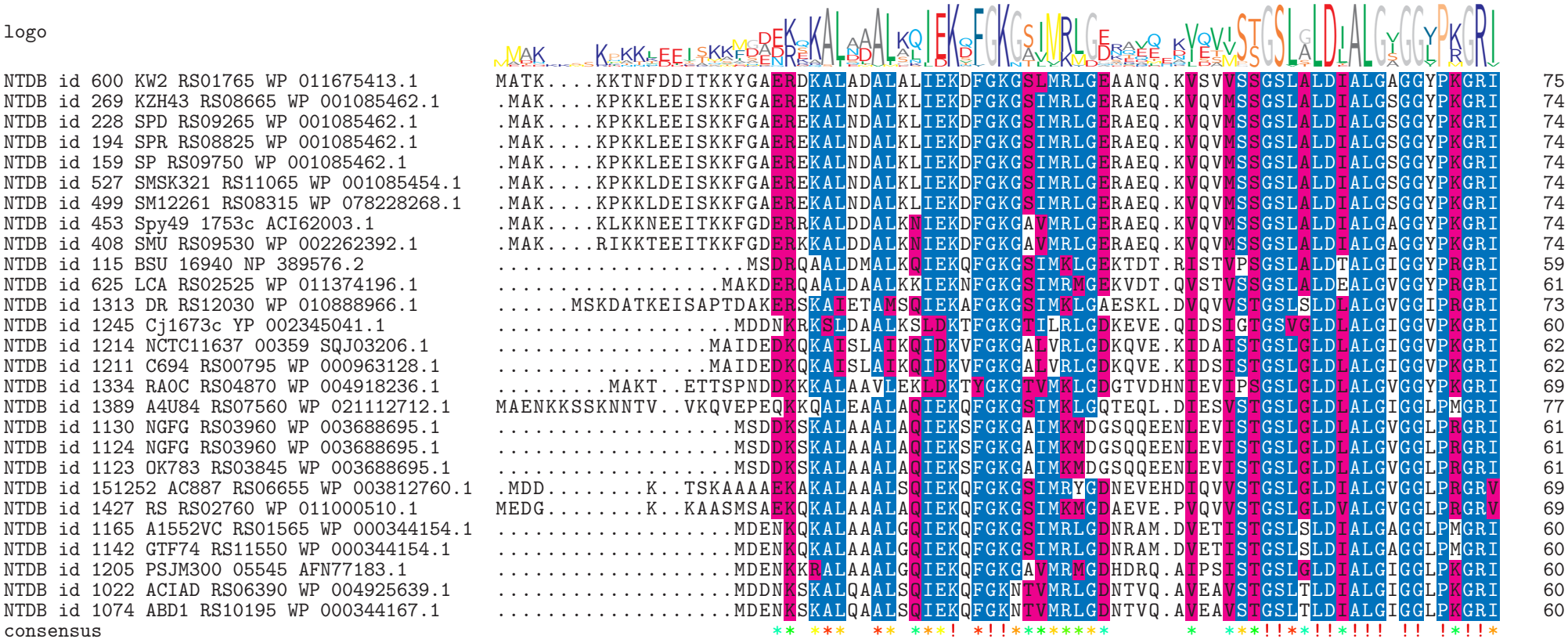
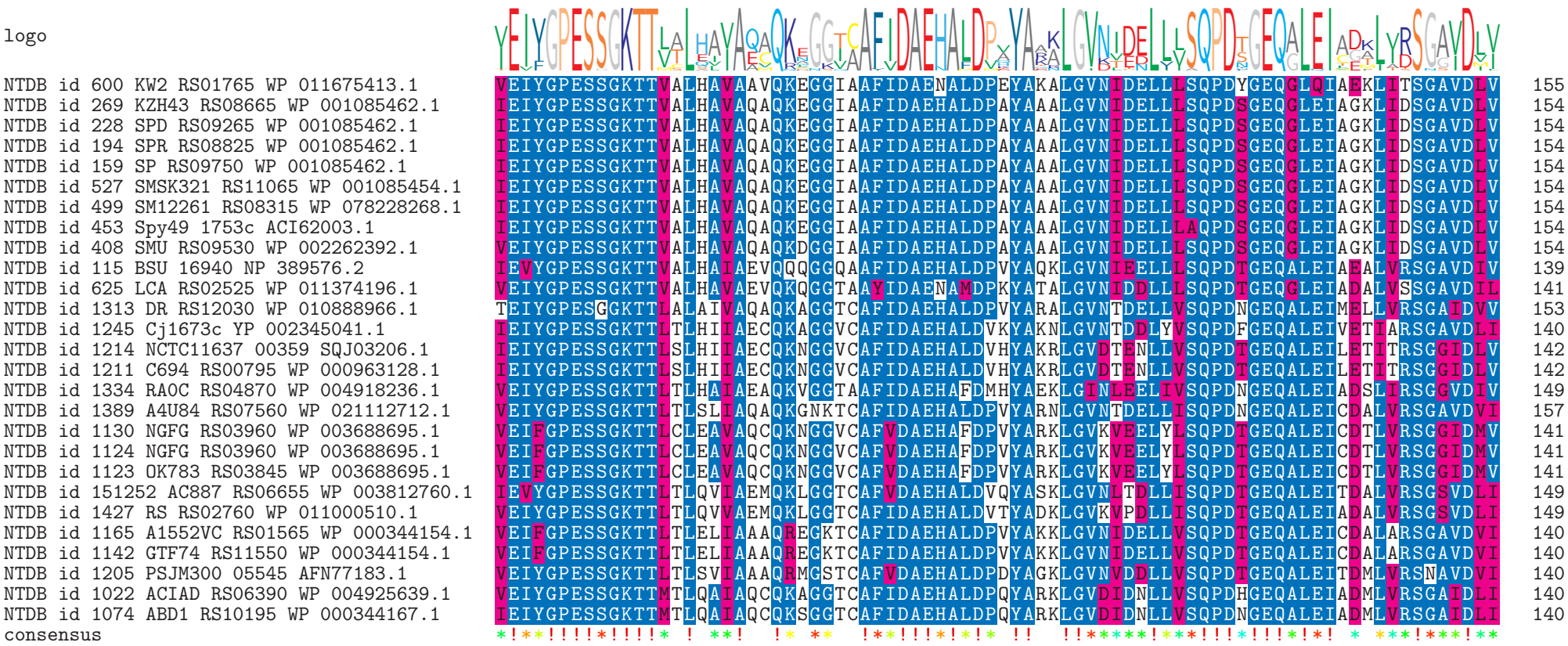
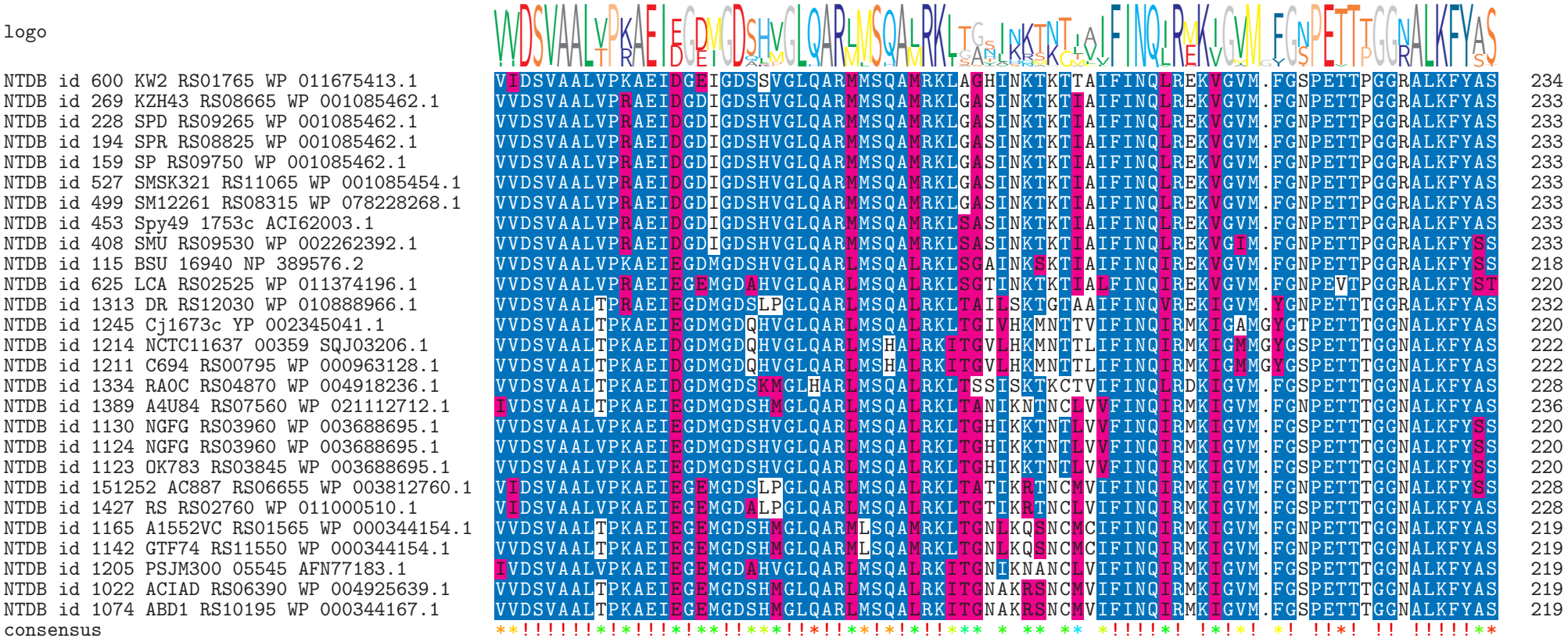
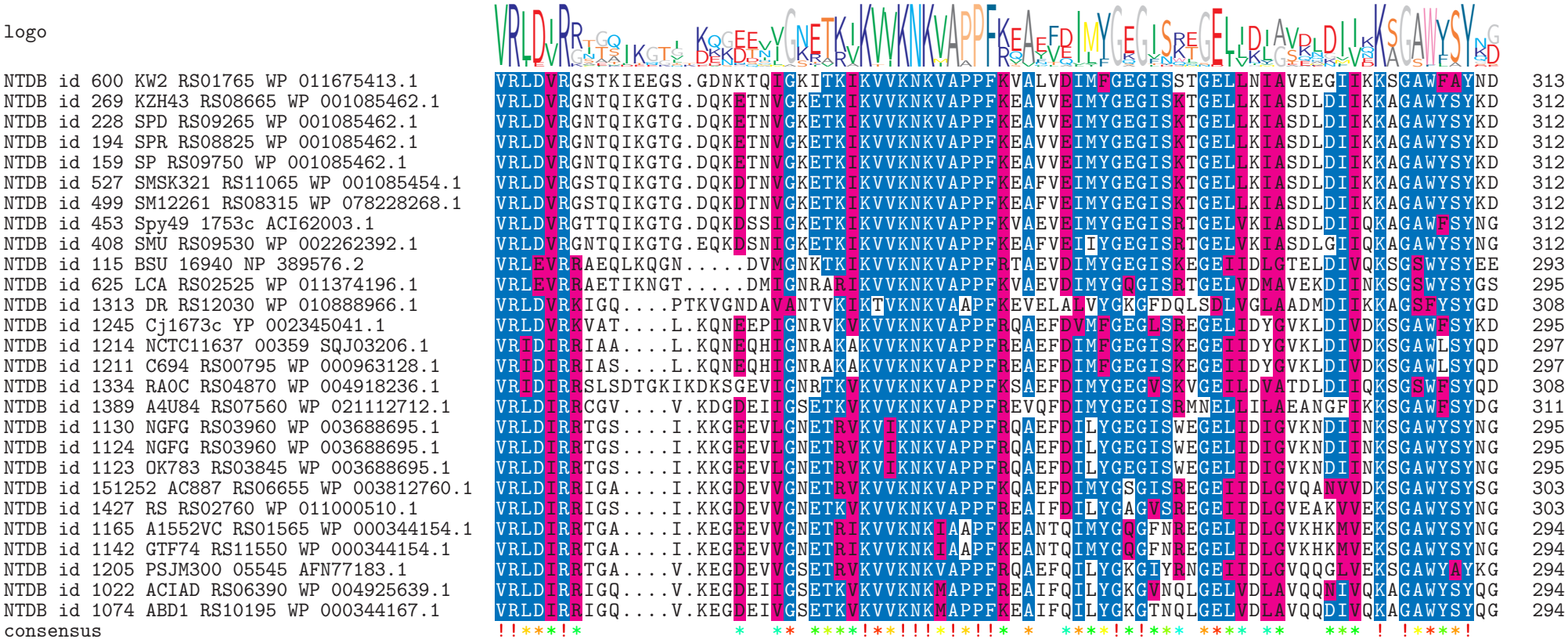

logo
NTDB id 600 KW2 RS01765 WP 011675413.1 MATK....KKTNFDDITKKYGAERDKALADALALIEKDFGKGSLMRLGEAANQ.KVSVVSSGSLALDIALGAGGYPKGRI 75
NTDB id 269 KZH43 RS08665 WP 001085462.1 .MAK....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI 74
NTDB id 228 SPD RS09265 WP 001085462.1 .MAK....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI 74
NTDB id 194 SPR RS08825 WP 001085462.1 .MAK....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI 74
NTDB id 159 SP RS09750 WP 001085462.1 .MAK....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI 74
NTDB id 527 SMSK321 RS11065 WP 001085454.1 .MAK....KPKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI 74
NTDB id 499 SM12261 RS08315 WP 078228268.1 .MAK....KPKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI 74
NTDB id 453 Spy49 1753c ACI62003.1 .MAK....KLKKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGERAEQ.KVQVMSSGSLALDIALGAGGYPKGRI 74
NTDB id 408 SMU RS09530 WP 002262392.1 .MAK....RIKKTEEITKKFGDERKKALDDALKNIEKDFGKGAVMRLGERAEQ.KVQVMSSGSLALDIALGAGGYPKGRI 74
NTDB id 115 BSU 16940 NP 389576.2 .....MSDRQAALDMALKQIEKQFGKGSIMKLGEKTDT.RISTVPSGSLALDTALGIGGYPRGRI 59
NTDB id 625 LCA RS02525 WP 011374196.1 .....MAKDERQAALDAALKKIEKNFGKGSIMRMGEKVDT.QVSTVSSGSLALDEALGVGGYPRGRI 61
NTDB id 1313 DR RS12030 WP 010888966.1 ......MSKDATKEISAPTDAKERSKAIETAMSQIEKAFGKGSIMKLGAESKL.DVQVVSTGSLSLDLALGVGGIPRGRI 73
NTDB id 1245 Cj1673c YP 002345041.1 .....MDDNKRKSLDAALKSLDKTFGKGTILRLGDKEVE.QIDSIGTGSVGLDLALGIGGVPKGRI 60
NTDB id 1214 NCTC11637 00359 SQJ03206.1 .....MAIDEDKQKAISLAIKQIDKVFGKGALVRLGDKQVE.KIDAISTGSLGLDLALGIGGVPKGRI 62
NTDB id 1211 C694 RS00795 WP 000963128.1 .....MAIDEDKQKAISLAIKQIDKVFGKGALVRLGDKQVE.KIDSISTGSLGLDLALGIGGVPKGRI 62
NTDB id 1334 RA0C RS04870 WP 004918236.1 .....MAKT..ETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDGTVDHNIEVIPSGSLGLDLALGVGGYPKGRI 69
NTDB id 1389 A4U84 RS07560 WP 021112712.1 MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQTEQL.DIESVSTGSLGLDLALGIGGLPMGRI 77
NTDB id 1130 NGFG RS03960 WP 003688695.1 .....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRI 61
NTDB id 1124 NGFG RS03960 WP 003688695.1 .....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRI 61
NTDB id 1123 OK783 RS03845 WP 003688695.1 .....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRI 61
NTDB id 151252 AC887 RS06655 WP 003812760.1 .MDD.....K..TSKAAAAEKAKALAAALSQIEKQFGKGSIMRYGDNEVEHDIQVVSTGSLGLDIALGVGGLPRGRV 69
NTDB id 1427 RS RS02760 WP 011000510.1 MEDG.....K..KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDAEVE.PVQVVSTGSLGLDVALGVGGLPRGRV 69
NTDB id 1165 A1552VC RS01565 WP 000344154.1 .....MDENKQKALAAALGQIEKQFGKGSIMRLGDNRAM.DVETISTGSLSLDIALGAGGLPMGRI 60
NTDB id 1142 GTF74 RS11550 WP 000344154.1 .....MDENKQKALAAALGQIEKQFGKGSIMRLGDNRAM.DVETISTGSLSLDIALGAGGLPMGRI 60
NTDB id 1205 PSJM300 05545 AFN77183.1 .....MDENKKRALAAALGQIEKQFGKGAVMRMGDHDRQ.AIPSISTGSLGLDIALGIGGLPKGRI 60
NTDB id 1022 ACIAD RS06390 WP 004925639.1 .....MDDNKSKALQAALSQIEKQFGKNTVMRLGDNTVQ.AVEAVSTGSLTLDIALGIGGLPKGRI 60
NTDB id 1074 ABD1 RS10195 WP 000344167.1 .....MDENKSKALQAALSQIEKQFGKNTVMRLGDNTVQ.AVEAVSTGSLTLDIALGIGGLPKGRI 60
consensus

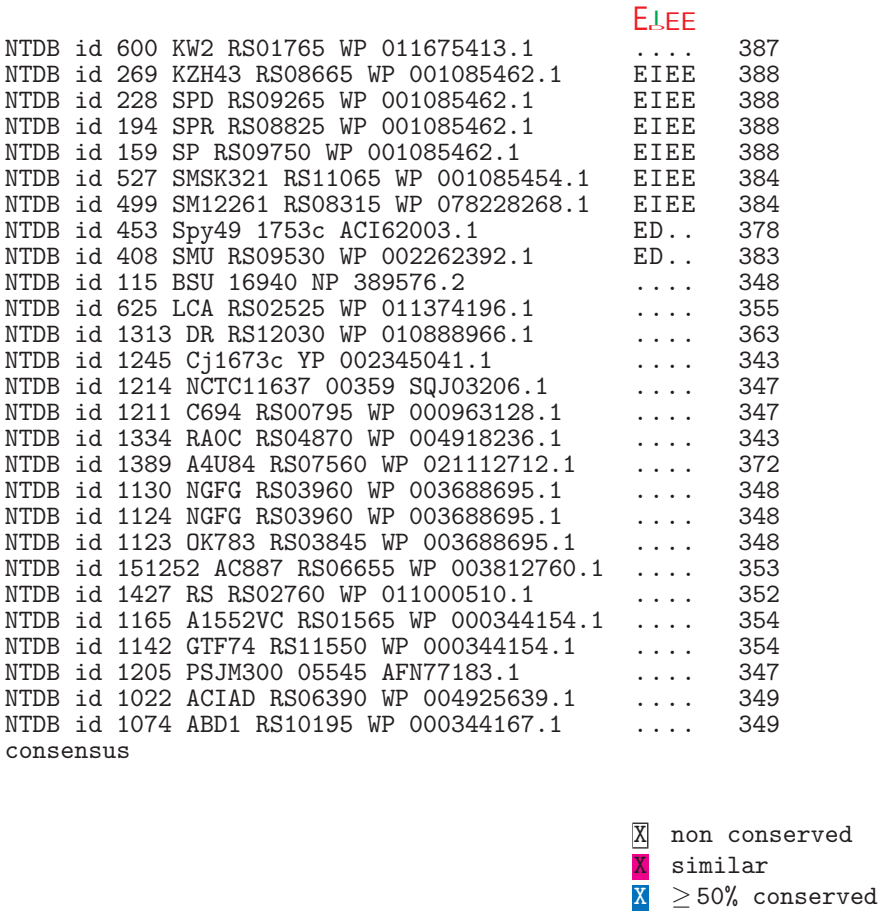

logo
NTDB id 600 KW2 RS01765 WP 011675413.1 VEIYGPESSGKTTVALHAVAAVQKEGGIAAFIDAENALDPEYAKALGVNIDELLLSQPDYGEQGLQIAEKLITSGAVDLV 155
NTDB id 269 KZH43 RS08665 WP 001085462.1 IEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLV 154
NTDB id 228 SPD RS09265 WP 001085462.1 IEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLV 154
NTDB id 194 SPR RS08825 WP 001085462.1 IEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLV 154
NTDB id 159 SP RS09750 WP 001085462.1 IEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLV 154
NTDB id 527 SMSK321 RS11065 WP 001085454.1 IEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLV 154
NTDB id 499 SM12261 RS08315 WP 078228268.1 IEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLV 154
NTDB id 453 Spy49 1753c ACI62003.1 IEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLAQPDSGEQGLEIAGKLIDSGAVDLV 154
NTDB id 408 SMU RS09530 WP 002262392.1 VEIYGPESSGKTTVALHAVAQAQKDGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLV 154
NTDB id 115 BSU 16940 NP 389576.2 IEVYGPESSGKTTVALHAIAEVQQQGGQAAFIDAEHALDPVYAQKLGVNIEELLLSQPDTGEQALEIAEALVRSGAVDIV 139
NTDB id 625 LCA RS02525 WP 011374196.1 VEIYGPESSGKTTVALHAVAEVQKQGGTAAYIDAENAMDPKYATALGVNIDDLLLSQPDTGEQGLEIADALVSSGAVDIL 141
NTDB id 1313 DR RS12030 WP 010888966.1 TEIYGPESGGKTTLALAIVAQAQKAGGTCAFIDAEHALDPVYARALGVNTDELLVSQPDNGEQALEIMELLVRSGAIDVV 153
NTDB id 1245 Cj1673c YP 002345041.1 IEIYGPESSGKTTLTLHIIAECQKAGGVCAFIDAEHALDVKYAKNLGVNTDDLYVSQPDFGEQALEIVETIARSGAVDLI 140
NTDB id 1214 NCTC11637 00359 SQJ03206.1 IEIYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTENLLVSQPDTGEQALEILETITRSGGIDLV 142
NTDB id 1211 C694 RS00795 WP 000963128.1 IEIYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTENLLVSQPDTGEQALEILETITRSGGIDLV 142
NTDB id 1334 RA0C RS04870 WP 004918236.1 VEIYGPESSGKTTLTLHAIAEAQKVGGTAAFIDAEHAFDMHYAEKLGINLEELIVSQPDNGEQALEIADSLIRSGGVDIV 149
NTDB id 1389 A4U84 RS07560 WP 021112712.1 VEIYGPESSGKTTLTLSLIAQAQKGNKTCAFIDAEHALDPVYARNLGVNTDELLISQPDNGEQALEICDALVRSGAVDVI 157
NTDB id 1130 NGFG RS03960 WP 003688695.1 VEIFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMV 141
NTDB id 1124 NGFG RS03960 WP 003688695.1 VEIFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMV 141
NTDB id 1123 OK783 RS03845 WP 003688695.1 VEIFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMV 141
NTDB id 151252 AC887 RS06655 WP 003812760.1 IEVYGPESSGKTTLTLQVIAEMQKLGGTCAFVDAEHALDVQYASKLGVNLTDLLISQPDTGEQALEITDALVRSGSVDLI 149
NTDB id 1427 RS RS02760 WP 011000510.1 VEIYGPESSGKTTLTLQVVAEMQKLGGTCAFIDAEHALDVTYADKLGVKVPDLLISQPDTGEQALEIADALVRSGSVDLI 149
NTDB id 1165 A1552VC RS01565 WP 000344154.1 VEIFGPESSGKTTLTLELIAAAQREGKTCAFIDAEHALDPVYAKKLGVNIDELLVSQPDTGEQALEICDALARSGAVDVI 140
NTDB id 1142 GTF74 RS11550 WP 000344154.1 VEIFGPESSGKTTLTLELIAAAQREGKTCAFIDAEHALDPVYAKKLGVNIDELLVSQPDTGEQALEICDALARSGAVDVI 140
NTDB id 1205 PSJM300 05545 AFN77183.1 VEIYGPESSGKTTLTLSVIAAAQRMGSTCAFVDAEHALDPDYAGKLGVNVDDLLVSQPDTGEQALEITDMLVRSNAVDVI 140
NTDB id 1022 ACIAD RS06390 WP 004925639.1 VEIYGPESSGKTTMTLQAIAQCQKAGGTCAFIDAEHALDPQYARKLGVDIDNLLVSQPDHGEQALEIADMLVRSGAIDLI 140
NTDB id 1074 ABD1 RS10195 WP 000344167.1 IEIYGPESSGKTTMTLQAIAQCQKSGGTCAFIDAEHALDPQYARKLGVDIDNLLVSQPDNGEQALEIADMLVRSGAIDLI 140
consensus


logo
NTDB id 600 KW2 RS01765 WP 011675413.1 VIDSVAALVPKAEIDGEIGDSSVGLQARMMSQAMRKLAGHINKTKTTAIFINQLREKVGVM.FGSPETTPGGRALKFYAS 234
NTDB id 269 KZH43 RS08665 WP 001085462.1 VVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYAS 233
NTDB id 228 SPD RS09265 WP 001085462.1 VVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYAS 233
NTDB id 194 SPR RS08825 WP 001085462.1 VVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYAS 233
NTDB id 159 SP RS09750 WP 001085462.1 VVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYAS 233
NTDB id 527 SMSK321 RS11065 WP 001085454.1 VVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYAS 233
NTDB id 499 SM12261 RS08315 WP 078228268.1 VVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYAS 233
NTDB id 453 Spy49 1753c ACI62003.1 VVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLSASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYAS 233
NTDB id 408 SMU RS09530 WP 002262392.1 VVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLSASINKTKTIAIFINQLREKVGIM.FGNPETTPGGRALKFYSS 233
NTDB id 115 BSU 16940 NP 389576.2 VVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLSGAINKSKTIAIFINQIREKVGVM.FGNPETTPGGRALKFYSS 218
NTDB id 625 LCA RS02525 WP 011374196.1 VVDSVAALVPRAEIEGEMGDAHVGLQARLMSQALRKLSGTINKTKTIALFINQIREKVGVM.FGNPEVTPGGRALKFYST 220
NTDB id 1313 DR RS12030 WP 010888966.1 VVDSVAALTPRAEIEGDMGDSLPGLQARLMSQALRKLTAILSKTGTAAIFINQVREKIGVM.YGNPETTTGGRALKFYAS 232
NTDB id 1245 Cj1673c YP 002345041.1 VVDSVAALTPKAEIEGDMGDQHVGLQARLMSQALRKLTGIVHKMNTTVIFINQIRMKIGAMGYGTPETTTGGNALKFYAS 220
NTDB id 1214 NCTC11637 00359 SQJ03206.1 VVDSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQIRMKIGMMGYGSPETTTGGNALKFYAS 222
NTDB id 1211 C694 RS00795 WP 000963128.1 VVDSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQIRMKIGMMGYGSPETTTGGNALKFYAS 222
NTDB id 1334 RA0C RS04870 WP 004918236.1 VVDSVAALTPKAEIDGDMGDSKMGLHARLMSQALRKLTSSISKTKCTVIFINQLRDKIGVM.FGSPETTTGGNALKFYAS 228
NTDB id 1389 A4U84 RS07560 WP 021112712.1 IVDSVAALTPKAEIEGDMGDSHMGLQARLMSQALRKLTANIKNTNCLVVFINQIRMKIGVM.FGNPETTTGGNALKFYAS 236
NTDB id 1130 NGFG RS03960 WP 003688695.1 VVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSS 220
NTDB id 1124 NGFG RS03960 WP 003688695.1 VVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSS 220
NTDB id 1123 OK783 RS03845 WP 003688695.1 VVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSS 220
NTDB id 151252 AC887 RS06655 WP 003812760.1 VIDSVAALVPKAEIEGEMGDSLPGLQARLMSQALRKLTATIKRTNCMVIFINQIRMKIGVM.FGNPETTTGGNALKFYSS 228
NTDB id 1427 RS RS02760 WP 011000510.1 VIDSVAALVPKAEIEGEMGDALPGLQARLMSQALRKLTGTIKRTNCLVIFINQIRMKIGVM.FGSPETTTGGNALKFYAS 228
NTDB id 1165 A1552VC RS01565 WP 000344154.1 VVDSVAALTPKAEIEGEMGDSHMGLQARMLSQAMRKLTGNLKQSNCMCIFINQIRMKIGVM.FGNPETTTGGNALKFYAS 219
NTDB id 1142 GTF74 RS11550 WP 000344154.1 VVDSVAALTPKAEIEGEMGDSHMGLQARMLSQAMRKLTGNLKQSNCMCIFINQIRMKIGVM.FGNPETTTGGNALKFYAS 219
NTDB id 1205 PSJM300 05545 AFN77183.1 IVDSVAALVPKAEIEGEMGDAHVGLQARLMSQALRKITGNIKNANCLVIFINQIRMKIGVM.FGSPETTTGGNALKFYAS 219
NTDB id 1022 ACIAD RS06390 WP 004925639.1 VVDSVAALTPKAEIEGEMGDSHMGLQARLMSQALRKITGNAKRSNCMVIFINQIRMKIGVM.FGSPETTTGGNALKFYAS 219
NTDB id 1074 ABD1 RS10195 WP 000344167.1 VVDSVAALTPKAEIEGEMGDSHMGLQARLMSQALRKITGNAKRSNCMVIFINQIRMKIGVM.FGSPETTTGGNALKFYAS 219
consensus


logo
NTDB id 600 KW2 RS01765 WP 011675413.1 VRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELLNIAVEEGIIKKSGAWFAYND 313
NTDB id 269 KZH43 RS08665 WP 001085462.1 VRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKD 312
NTDB id 228 SPD RS09265 WP 001085462.1 VRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKD 312
NTDB id 194 SPR RS08825 WP 001085462.1 VRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKD 312
NTDB id 159 SP RS09750 WP 001085462.1 VRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKD 312
NTDB id 527 SMSK321 RS11065 WP 001085454.1 VRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKD 312
NTDB id 499 SM12261 RS08315 WP 078228268.1 VRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKD 312
NTDB id 453 Spy49 1753c ACI62003.1 VRLDVRGTTQIKGTG.DQKDSSIGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRTGELVKIASDLDIIQKAGAWFSYNG 312
NTDB id 408 SMU RS09530 WP 002262392.1 VRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIIYGEGISRTGELVKIASDLGIIQKAGAWYSYNG 312
NTDB id 115 BSU 16940 NP 389576.2 VRLEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGEGISKEGEIIDLGTELDIVQKSGSWYSYEE 293
NTDB id 625 LCA RS02525 WP 011374196.1 VRLEVRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGQGISRTGELVDMAVEKDIINKSGSWYSYGS 295
NTDB id 1313 DR RS12030 WP 010888966.1 VRLDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKEVELALVYGKGFDQLSDLVGLAADMDIIKKAGSFYSYGD 308
NTDB id 1245 Cj1673c YP 002345041.1 VRLDVRKVAT....L.KQNEEPIGNRVKVKVVKNKVAPPFRQAEFDVMFGEGLSREGELIDYGVKLDIVDKSGAWFSYKD 295
NTDB id 1214 NCTC11637 00359 SQJ03206.1 VRIDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQD 297
NTDB id 1211 C694 RS00795 WP 000963128.1 VRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQD 297
NTDB id 1334 RA0C RS04870 WP 004918236.1 VRIDIRRSLSDTGKIKDKSGEVIGNRTKVKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDIIQKSGSWFSYQD 308
NTDB id 1389 A4U84 RS07560 WP 021112712.1 VRLDIRRCGV....V.KDGDEIIGSETKVKVVKNKVAPPFREVQFDIMYGEGISRMNELLILAEANGFIKKSGAWFSYDG 311
NTDB id 1130 NGFG RS03960 WP 003688695.1 VRLDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYNG 295
NTDB id 1124 NGFG RS03960 WP 003688695.1 VRLDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYNG 295
NTDB id 1123 OK783 RS03845 WP 003688695.1 VRLDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYNG 295
NTDB id 151252 AC887 RS06655 WP 003812760.1 VRLDIRRIGA....I.KKGDEVVGNETRVKVVKNKVAPPFKQAEFDIMYGSGISREGEIIDLGVQANVVDKSGAWYSYSG 303
NTDB id 1427 RS RS02760 WP 011000510.1 VRLDIRRIGS....I.KKGDEVVGNETKVKVVKNKVAPPFREAIFDILYGAGVSREGEIIDLGVEAKVVEKSGAWYSYNG 303
NTDB id 1165 A1552VC RS01565 WP 000344154.1 VRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGQGFNREGELIDLGVKHKMVEKSGAWYSYNG 294
NTDB id 1142 GTF74 RS11550 WP 000344154.1 VRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGQGFNREGELIDLGVKHKMVEKSGAWYSYNG 294
NTDB id 1205 PSJM300 05545 AFN77183.1 VRLDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRQAEFQILYGKGIYRNGEIIDLGVQQGLVEKSGAWYAYKG 294
NTDB id 1022 ACIAD RS06390 WP 004925639.1 VRLDIRRIGQ....V.KEGDEIIGSETKVKVVKNKMAPPFREAIFQILYGKGVNQLGELVDLAVQQNIVQKAGAWYSYQG 294
NTDB id 1074 ABD1 RS10195 WP 000344167.1 VRLDIRRIGQ....V.KEGDEIVGSETKVKVVKNKMAPPFKEAIFQILYGKGTNQLGELVDLAVQQDIVQKAGAWYSYQG 294
consensus

logo 

```
NTDB id 600 KW2 RS01765 WP 011675413.1      EKIGQGAEKAKNYLKEHQDVFDEIDHKVRAAHGLLDDSEVAE..TEEETTASKTKAKAKKEEKAVETEEIELELED....  387
NTDB id 269 KZH43 RS08665 WP 001085462.1    EKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSE..QDTENKKDE....PKKEEA..VNEEVPLDLGDELEI  384
NTDB id 228 SPD RS09265 WP 001085462.1      EKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSE..QDTENKKDE....PKKEEA..VNEEVPLDLGDELEI  384
NTDB id 194 SPR RS08825 WP 001085462.1      EKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSE..QDTENKKDE....PKKEEA..VNEEVPLDLGDELEI  384
NTDB id 159 SP RS09750 WP 001085462.1       EKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSE..QDTENKKDE....PKKEEA..VNEEVPLDLGDELEI  384
NTDB id 527 SMSK321 RS11065 WP 001085454.1  EKIGQGSENAKKYLADNPEVFAEIDHQVRVQFGLIDGEEAAE......SKKDE....VAQVDS..VNEEVTLDLGDELEI  380
NTDB id 499 SM12261 RS08315 WP 078228268.1  EKIGQGSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE......SKKDE....AAQVDS..VNEEVTLDLGDELEI  380
NTDB id 453 Spy49 1753c ACI62003.1          EKIGQGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEEES..AMAVASE.......E.......TDDLALDLDNGIEI  376
NTDB id 408 SMU RS09530 WP 002262392.1      EKIGQGSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEE..KQSSKEK.......ETDEK..ADKNLVLELDDTIEL  381
NTDB id 115 BSU 16940 NP 389576.2           ERLGQGRENAKQFLKENKDIMLMIQEQIREHYGLDNNGVVQQ..QAEETQEEL.EFE.E.....................  348
NTDB id 625 LCA RS02525 WP 011374196.1      ERIGQGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDL..PTTEDE.QI.NILPDDST.....EE...........  355
NTDB id 1313 DR RS12030 WP 010888966.1      ERIGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAA.EA.....................  363
NTDB id 1245 Cj1673c YP 002345041.1         KKLGQGRENSKAFLKENPEIADEITKAIQNSMGIEGMIS..GSE....DDEGE.E.....................  343
NTDB id 1214 NCTC11637 00359 SQJ03206.1     KKLGQGRENAKALLKEDKALADEITLKIKESIGSNEEIM..PLP....DEPLE.EME...................  347
NTDB id 1211 C694 RS00795 WP 000963128.1    KKLGQGRENAKALLKEDKALADEITLKIKESIGSNEEIM..PLP....DEPLE.EME...................  347
NTDB id 1334 RA0C RS04870 WP 004918236.1    TKLGQGRDTVKELIKDNPELAEELEAKIREKLQAK.....................................  343
NTDB id 1389 A4U84 RS07560 WP 021112712.1   TKIGQGKNNAVKWLKENPEIADKLEQEIRNTLASNPNSV..LKATASDSNDES.DVEEF......SEEEL..........  372
NTDB id 1130 NGFG RS03960 WP 003688695.1    AKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHIT..E......GTQDE.TDGER......PEE............  348
NTDB id 1124 NGFG RS03960 WP 003688695.1    AKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHIT..E......GTQDE.TDGER......PEE............  348
NTDB id 1123 OK783 RS03845 WP 003688695.1   AKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHIT..E......GTQDE.TDGER......PEE............  348
NTDB id 151252 AC887 RS06655 WP 003812760.1 NRIGQGKDNVREYLKEHKEMAIEIENKVRENQGIVSRAA..T.FPASEAEDGE.....................  353
NTDB id 1427 RS RS02760 WP 011000510.1      ERIGQGRDNCREFLRENAELAREIENKVREHLGVTPMGA..V.TLAEEVEED.....................  352
NTDB id 1165 A1552VC RS01565 WP 000344154.1 DKIGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQ..LIAETSSAADDV.EFGAV......PEEF..........  354
NTDB id 1142 GTF74 RS11550 WP 000344154.1   DKIGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQ..LIAETSSAADDV.EFGAV......PEEF..........  354
NTDB id 1205 PSJM300 05545 AFN77183.1       SKIGQGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANT..KATPVAEDLADA.DI.....................  347
NTDB id 1022 ACIAD RS06390 WP 004925639.1   NKIGQGKNNVIRYLEENPQISTEIEAVIREQLLTKASDQ..TAA.HDETEEEP.DLL.....ES.............  349
NTDB id 1074 ABD1 RS10195 WP 000344167.1    NKIGQGKNNVIRYFEENNQIAEEIERNIREQLLTTGTNG..AVQ.I.EDEEEP.DLL.....LES.............  349
consensus                                    **!!!***** ** * *** **** **   **          *
```


logo
EIEE
NTDB id 600 KW2 RS01765 WP 011675413.1 387
NTDB id 269 KZH43 RS08665 WP 001085462.1 EIEE 388
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 527 SMSK321 RS11065 WP 001085454.1 EIEE 384
NTDB id 499 SM12261 RS08315 WP 078228268.1 EIEE 384
NTDB id 453 Spy49 1753c ACI62003.1 ED.. 378
NTDB id 408 SMU RS09530 WP 002262392.1 ED.. 383
NTDB id 115 BSU 16940 NP 389576.2 348
NTDB id 625 LCA RS02525 WP 011374196.1 355
NTDB id 1313 DR RS12030 WP 010888966.1 363
NTDB id 1245 Cj1673c YP 002345041.1 343
NTDB id 1214 NCTC11637 00359 SQJ03206.1 347
NTDB id 1211 C694 RS00795 WP 000963128.1 347
NTDB id 1334 RA0C RS04870 WP 004918236.1 343
NTDB id 1389 A4U84 RS07560 WP 021112712.1 372
NTDB id 1130 NGFG RS03960 WP 003688695.1 348
NTDB id 1124 NGFG RS03960 WP 003688695.1 348
NTDB id 1123 OK783 RS03845 WP 003688695.1 348
NTDB id 151252 AC887 RS06655 WP 003812760.1 353
NTDB id 1427 RS RS02760 WP 011000510.1 352
NTDB id 1165 A1552VC RS01565 WP 000344154.1 354
NTDB id 1142 GTF74 RS11550 WP 000344154.1 354
NTDB id 1205 PSJM300 05545 AFN77183.1 347
NTDB id 1022 ACIAD RS06390 WP 004925639.1 349
NTDB id 1074 ABD1 RS10195 WP 000344167.1 349
consensus
X non conserved
X similar
X ≥ 50% conserved