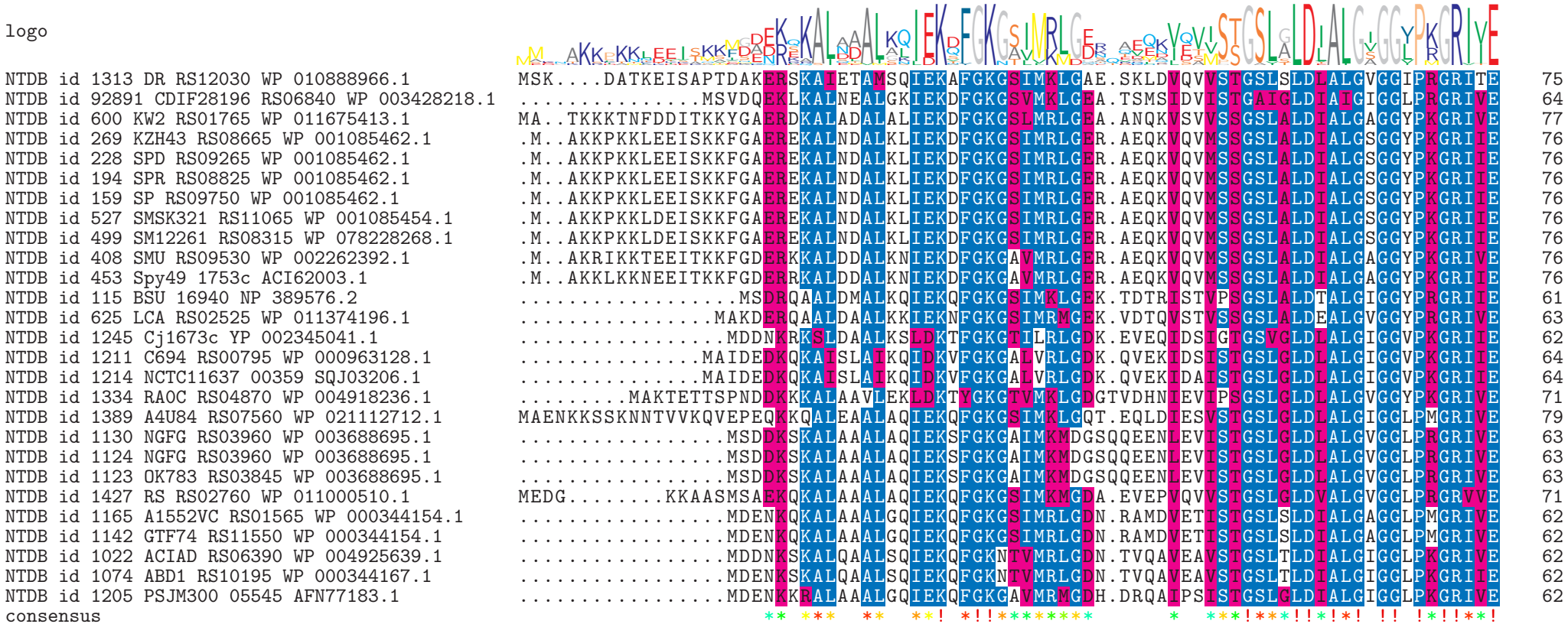
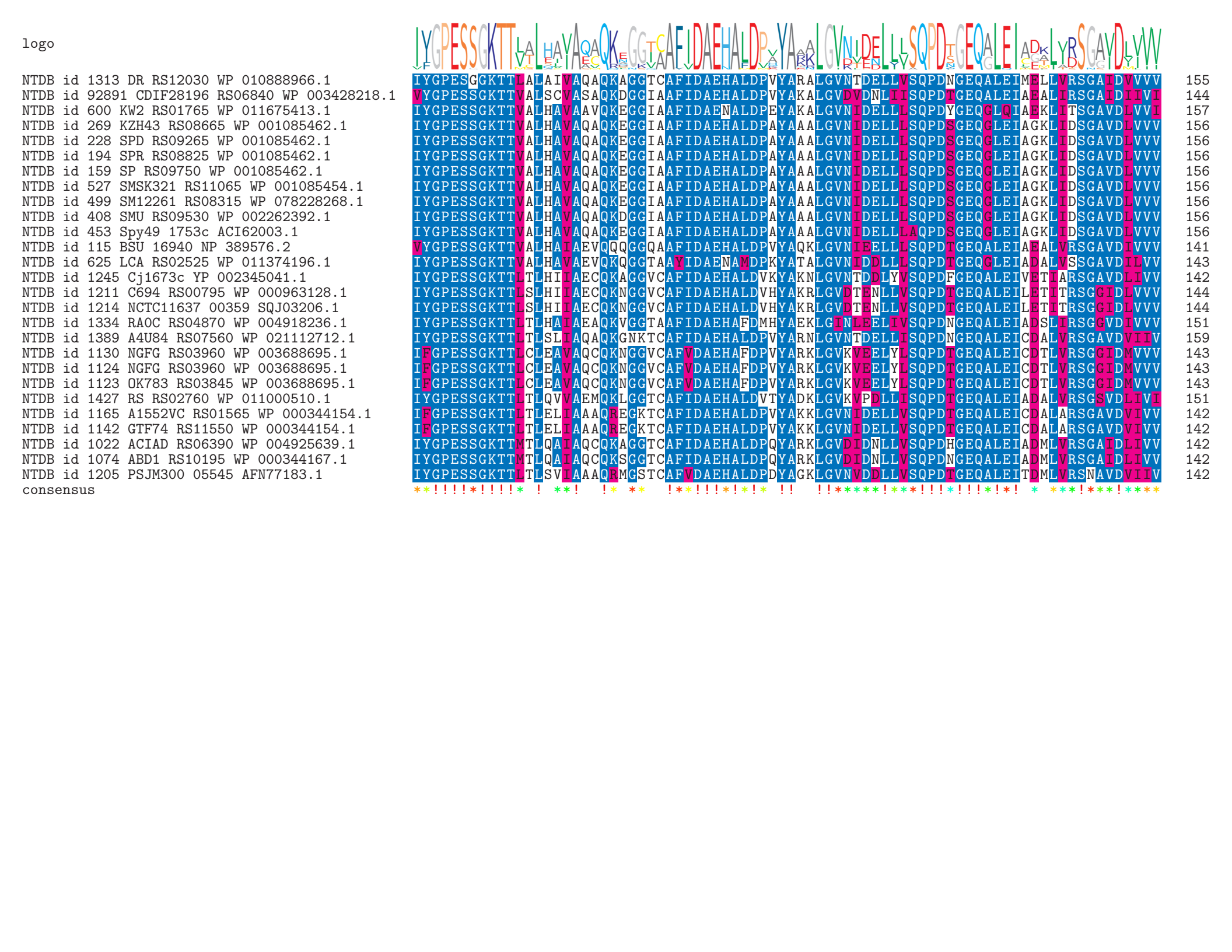
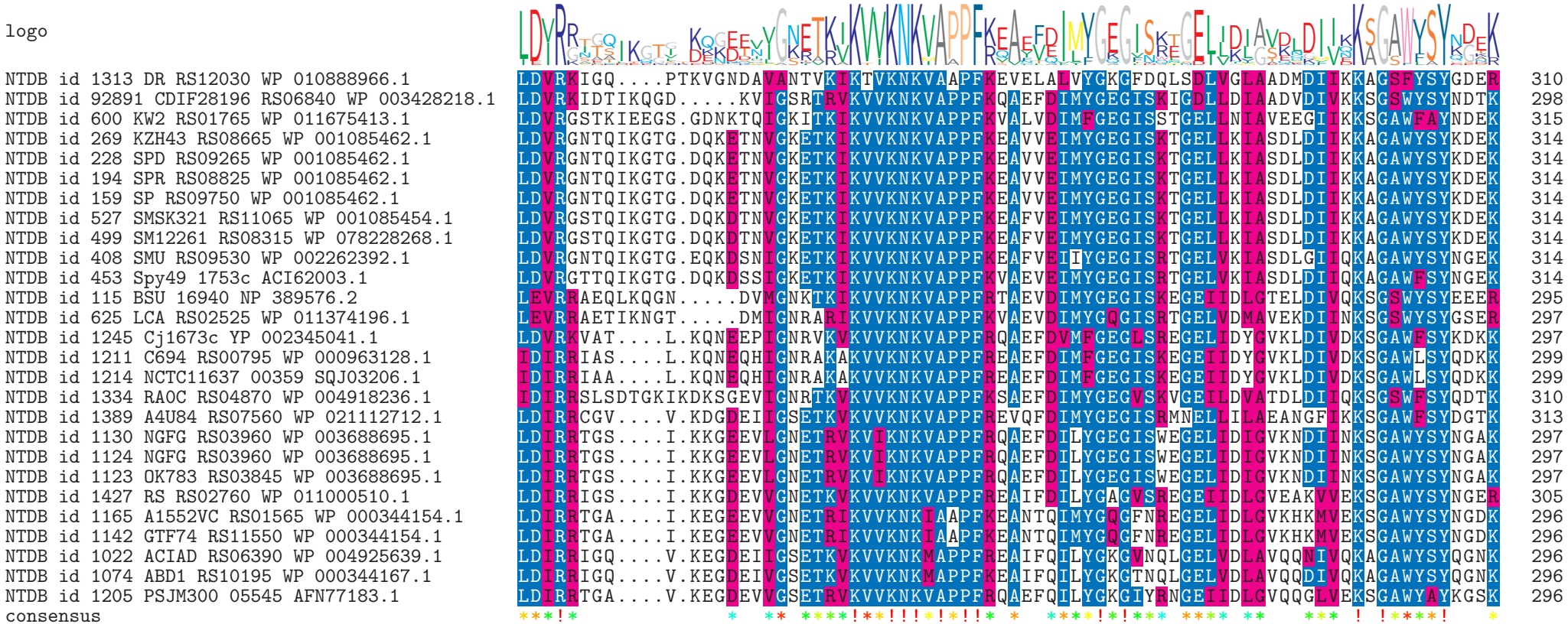
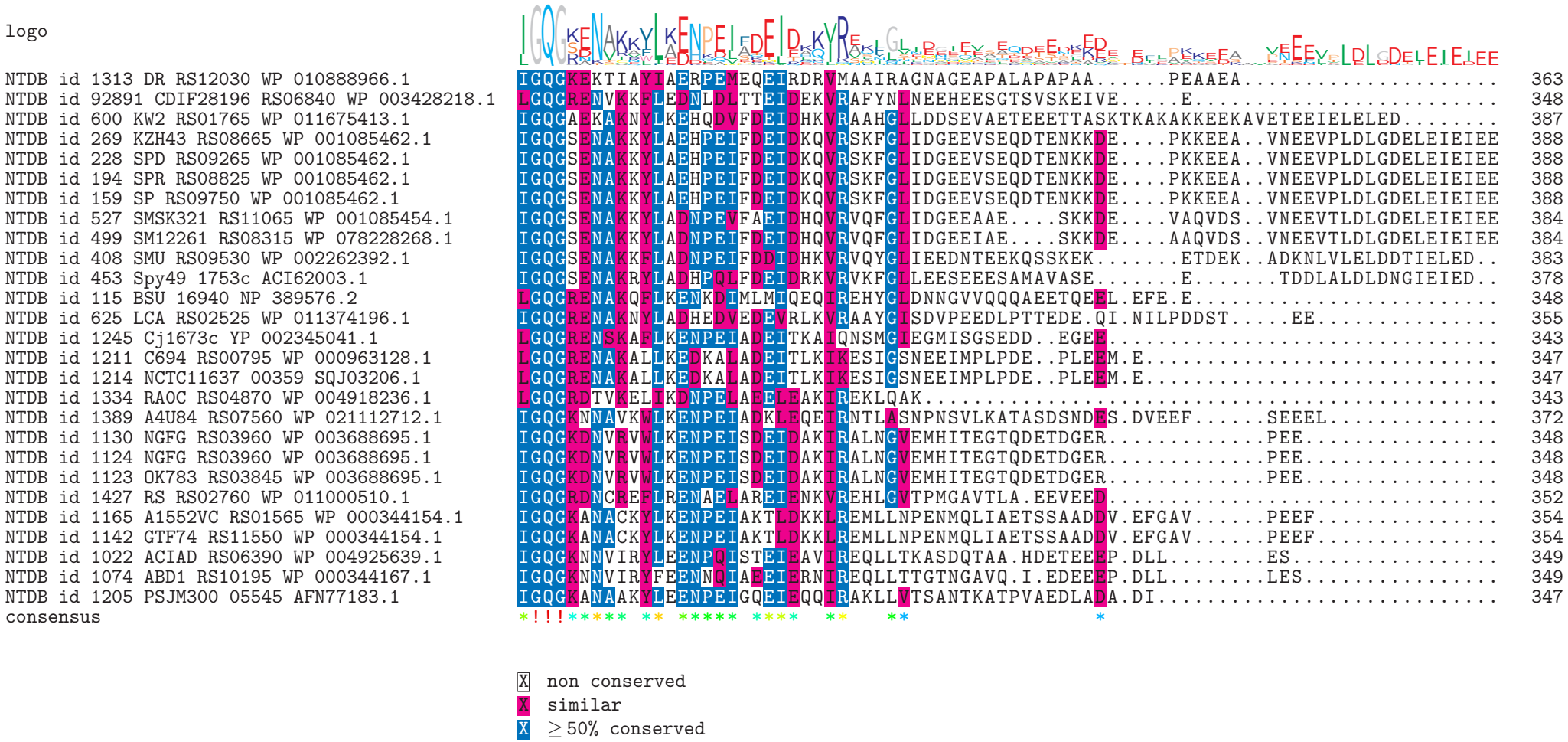

logo
NTDB id 1313 DR RS12030 WP 010888966.1 MSK....DATKEISAPTDAKERSKAIETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGRITE 75
NTDB id 92891 CDIF28196 RS06840 WP 003428218.1 ..............MSVDQEKLKALNEALGKIEKDFGKGSVMKLGEA.TSMSIDVISTGAIGLDIAIGIGGLPRGRIVE 64
NTDB id 600 KW2 RS01765 WP 011675413.1 MA..TKKKTNFDDITKKYGAERDKALADALALIEKDFGKGSLMRLGEA.ANQKVSVVSSGSLALDIALGAGGYPKGRIVE 77
NTDB id 269 KZH43 RS08665 WP 001085462.1 .M..AKKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 228 SPD RS09265 WP 001085462.1 .M..AKKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 194 SPR RS08825 WP 001085462.1 .M..AKKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 159 SP RS09750 WP 001085462.1 .M..AKKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 527 SMSK321 RS11065 WP 001085454.1 .M..AKKPKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 499 SM12261 RS08315 WP 078228268.1 .M..AKKPKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 408 SMU RS09530 WP 002262392.1 .M..AKRIKKTEEITKKFGDERKKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGRIVE 76
NTDB id 453 Spy49 1753c ACI62003.1 .M..AKKLKKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGRIIE 76
NTDB id 115 BSU 16940 NP 389576.2 ..................MSDRQAALDMALKQIEKQFGKGSIMKLGEK.TDTRISTVPSGSLALDTALGIGGYPRGRIIE 61
NTDB id 625 LCA RS02525 WP 011374196.1 ..................MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGRIVE 63
NTDB id 1245 Cj1673c YP 002345041.1 ..................MDDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGRIIE 62
NTDB id 1211 C694 RS00795 WP 000963128.1 ...............MAIDEDKQKAISLAIKQIDKVFGKGALVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRIIE 64
NTDB id 1214 NCTC11637 00359 SQJ03206.1 ...............MAIDEDKQKAISLAIKQIDKVFGKGALVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRIIE 64
NTDB id 1334 RA0C RS04870 WP 004918236.1 .........MAKTETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDGTVDHNIEVIPSGSLGLDLALGVGGYPKGRIVE 71
NTDB id 1389 A4U84 RS07560 WP 021112712.1 MAENKKSSKNNTVVKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGRIVE 79
NTDB id 1130 NGFG RS03960 WP 003688695.1 ..................MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRIVE 63
NTDB id 1124 NGFG RS03960 WP 003688695.1 ..................MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRIVE 63
NTDB id 1123 OK783 RS03845 WP 003688695.1 ..................MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRIVE 63
NTDB id 1427 RS RS02760 WP 011000510.1 MEDG........KKAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPRGRVVE 71
NTDB id 1165 A1552VC RS01565 WP 000344154.1 ..................MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIVE 62
NTDB id 1142 GTF74 RS11550 WP 000344154.1 ..................MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIVE 62
NTDB id 1022 ACIAD RS06390 WP 004925639.1 ..................MDDNKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIVE 62
NTDB id 1074 ABD1 RS10195 WP 000344167.1 ..................MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIIE 62
NTDB id 1205 PSJM300 05545 AFN77183.1 ..................MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSISTGSLGLDIALGIGGLPKGRIVE 62
consensus


logo
NTDB id 1313 DR RS12030 WP 010888966.1 IYGPESGGKTTLALAIVAQAQKAGGTCAFIDAEHALDPVYARALGVNTDELLVSQPDNGEQALEIMELLVRSGAIDVVVV 155
NTDB id 92891 CDIF28196 RS06840 WP 003428218.1 VYGPESSGKTTVALSCVASAQKDGGIAAFIDAEHALDPVYAKALGVDVDNLIISQPDTGEQALEIAEALIRSGAIDIIVI 144
NTDB id 600 KW2 RS01765 WP 011675413.1 IYGPESSGKTTVALHAVAAVQKEGGIAAFIDAENALDPEYAKALGVNIDELLLSQPDYGEQGLQIAEKLITSGAVDLVVI 157
NTDB id 269 KZH43 RS08665 WP 001085462.1 IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV 156
NTDB id 228 SPD RS09265 WP 001085462.1 IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV 156
NTDB id 194 SPR RS08825 WP 001085462.1 IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV 156
NTDB id 159 SP RS09750 WP 001085462.1 IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV 156
NTDB id 527 SMSK321 RS11065 WP 001085454.1 IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV 156
NTDB id 499 SM12261 RS08315 WP 078228268.1 IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV 156
NTDB id 408 SMU RS09530 WP 002262392.1 IYGPESSGKTTVALHAVAQAQKDGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV 156
NTDB id 453 Spy49 1753c ACI62003.1 IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLAQPDSGEQGLEIAGKLIDSGAVDLVVV 156
NTDB id 115 BSU 16940 NP 389576.2 VYGPESSGKTTVALHAIAEVQQQGGQAAFIDAEHALDPVYAQKLGVNIEELLLSQPDTGEQALEIAEALVRSGAVDIVVV 141
NTDB id 625 LCA RS02525 WP 011374196.1 IYGPESSGKTTVALHAVAEVQKQGGTAAYIDAENAMDPKYATALGVNIDDLLLSQPDTGEQGLEIADALVSSGAVDILVV 143
NTDB id 1245 Cj1673c YP 002345041.1 IYGPESSGKTTLTLHIIAECQKAGGVCAFIDAEHALDVKYAKNLGVNTDDLYVSQPDFGEQALEIVETIARSGAVDLIVV 142
NTDB id 1211 C694 RS00795 WP 000963128.1 IYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTENLLVSQPDTGEQALEILETITRSGGIDLVVV 144
NTDB id 1214 NCTC11637 00359 SQJ03206.1 IYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTFNLLVSQPDTGEQALEILETITRSGGIDLVVV 144
NTDB id 1334 RA0C RS04870 WP 004918236.1 IYGPESSGKTTLTLHAIAEAQKVGGTAAFIDAEHAFDMHYAEKLGINLEELIVSQPDNGEQALEIADSLIRSGGVDIVVV 151
NTDB id 1389 A4U84 RS07560 WP 021112712.1 IYGPESSGKTTLTLSLIAQAQKGNKTCAFIDAEHALDPVYARNLGVNTDELLISQPDNGEQALEICDALVRSGAVDVIIV 159
NTDB id 1130 NGFG RS03960 WP 003688695.1 IFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMVVV 143
NTDB id 1124 NGFG RS03960 WP 003688695.1 IFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMVVV 143
NTDB id 1123 OK783 RS03845 WP 003688695.1 IFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMVVV 143
NTDB id 1427 RS RS02760 WP 011000510.1 IYGPESSGKTTLTLQVVAEMQKLGGTCAFIDAEHALDVTYADKLGVKVPDLLISQPDTGEQALEIADALVRSGSVDLIVI 151
NTDB id 1165 A1552VC RS01565 WP 000344154.1 IFGPESSGKTTLTLELIAAAQREGKTCAFIDAEHALDPVYAKKLGVNIDELLVSQPDTGEQALEICDALARSGAVDVIVV 142
NTDB id 1142 GTF74 RS11550 WP 000344154.1 IFGPESSGKTTLTLELIAAAQREGKTCAFIDAEHALDPVYAKKLGVNIDELLVSQPDTGEQALEICDALARSGAVDVIVV 142
NTDB id 1022 ACIAD RS06390 WP 004925639.1 IYGPESSGKTTMTLQAIAQCQKAGGTCAFIDAEHALDPQYARKLGVDIDNLLVSQPDHGEQALEIADMLVRSGAIDLIVV 142
NTDB id 1074 ABD1 RS10195 WP 000344167.1 IYGPESSGKTTMTLQAIAQCQKSGGTCAFIDAEHALDPQYARKLGVDIDNLLVSQPDNGEQALEIADMLVRSGAIDLIVV 142
NTDB id 1205 PSJM300 05545 AFN77183.1 IYGPESSGKTTLTLSVIAAAQRMGSTCAFVDAEHALDPDYAGKLGVNVDDLLVSQPDTGEQALEITDMLVRSNAVDVIIV 142
consensus

```
NTDB id 1313 DR RS12030 WP 010888966.1          DSVAALTPRAEIEGDMGDSLPGLQARLMSQALRKLTAILSKTGTAAIFINQVREKIGVM.YGNPETTTGGRALKFYASVR 234
NTDB id 92891 CDIF28196 RS06840 WP 003428218.1  DSVAALVPKAEIDGDMGDSHVGLQARLMSQALRKLTGSIKKSNCVAIFINQLREKVGIM.FGNPETTTGGRALKFYSSVR 223
NTDB id 600 KW2 RS01765 WP 011675413.1          DSVAALVPKAEIDGEIGDSSVGLQARMMSQAMRKLAGHINKTKTTAIFINQLREKVGVM.FGSPETTPGGRALKFYASVR 236
NTDB id 269 KZH43 RS08665 WP 001085462.1        DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR 235
NTDB id 228 SPD RS09265 WP 001085462.1          DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR 235
NTDB id 194 SPR RS08825 WP 001085462.1          DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR 235
NTDB id 159 SP RS09750 WP 001085462.1           DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR 235
NTDB id 527 SMSK321 RS11065 WP 001085454.1      DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR 235
NTDB id 499 SM12261 RS08315 WP 078228268.1      DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR 235
NTDB id 408 SMU RS09530 WP 002262392.1          DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLSASINKTKTIAIFINQLREKVGIM.FGNPETTPGGRALKFYSSVR 235
NTDB id 453 Spy49 1753c ACI62003.1              DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLSASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR 235
NTDB id 115 BSU 16940 NP 389576.2               DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLSGAINKSKTIAIFINQIREKVGVM.FGNPETTPGGRALKFYSSVR 220
NTDB id 625 LCA RS02525 WP 011374196.1          DSVAALVPRAEIEGEMGDAHVGLQARLMSQALRKLSGTINKTKTIALFINQIREKVGVM.FGNPEVTPGGRALKFYSTVR 222
NTDB id 1245 Cj1673c YP 002345041.1             DSVAALTPKAEIEGDMGDQHVGLQARLMSQALRKLTGIVHKMNTTVIFINQIRMKIGAMGYGTPETTTGGNALKFYASVR 222
NTDB id 1211 C694 RS00795 WP 000963128.1        DSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQIRMKIGMMGYGSPETTTGGNALKFYASVR 224
NTDB id 1214 NCTC11637 00359 SQJ03206.1         DSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQIRMKIGMMGYGSPETTTGGNALKFYASVR 224
NTDB id 1334 RA0C RS04870 WP 004918236.1        DSVAALTPKAEIDGDMGDSKMGLHARLMSQALRKLTSSISKTKCTVIFINQLRDKIGVM.FGSPETTTGGNALKFYASVR 230
NTDB id 1389 A4U84 RS07560 WP 021112712.1        DSVAALTPKAEIEGDMGDSHMGLQARLMSQALRKLTANIKNTNCLVVFINQIRMKIGVM.FGNPETTTGGNALKFYASVR 238
NTDB id 1130 NGFG RS03960 WP 003688695.1        DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSSVR 222
NTDB id 1124 NGFG RS03960 WP 003688695.1        DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSSVR 222
NTDB id 1123 OK783 RS03845 WP 003688695.1       DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSSVR 222
NTDB id 1427 RS RS02760 WP 011000510.1          DSVAALVPKAEIEGEMGDALPGLQARLMSQALRKLTGTIKRTNCLVIFINQIRMKIGVM.FGSPETTTGGNALKFYASVR 230
NTDB id 1165 A1552VC RS01565 WP 000344154.1     DSVAALTPKAEIEGEMGDSHMGLQARMLSQAMRKLTGNLKQSNCMCIFINQIRMKIGVM.FGNPETTTGGNALKFYASVR 221
NTDB id 1142 GTF74 RS11550 WP 000344154.1       DSVAALTPKAEIEGEMGDSHMGLQARMLSQAMRKLTGNLKQSNCMCIFINQIRMKIGVM.FGNPETTTGGNALKFYASVR 221
NTDB id 1022 ACIAD RS06390 WP 004925639.1       DSVAALTPKAEIEGEMGDSHMGLQARLMSQALRKITGNAKRSNCMVIFINQIRMKIGVM.FGSPETTTGGNALKFYASVR 221
NTDB id 1074 ABD1 RS10195 WP 000344167.1        DSVAALTPKAEIEGEMGDSHMGLQARLMSQALRKITGNAKRSNCMVIFINQIRMKIGVM.FGSPETTTGGNALKFYASVR 221
NTDB id 1205 PSJM300 05545 AFN77183.1           DSVAALVPKAEIEGEMGDAHVGLQARLMSQALRKITGNIKNANCLVIFINQIRMKIGVM.FGSPETTTGGNALKFYASVR 221
consensus                                       !!!!!!*!*!!!*!**!!***!!*!!**!*!*!!*** * ** ** *!!!!*! !*!*! *! !!*! !! !!!!!**!!
```


logo
NTDB id 1313 DR RS12030 WP 010888966.1 LDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKEVELALVYGKGFDQLSDLVGLAADMDIIKKAGSFYSYGDER 310
NTDB id 92891 CDIF28196 RS06840 WP 003428218.1 LDVRKIDTIKQGD.....KVIGSRTRVKVVKNKVAPPFKQAEFDIMYGEGISKIGDLLDIAADVDIVKKSGSWYSYNDTK 298
NTDB id 600 KW2 RS01765 WP 011675413.1 LDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELLNIAVEEGIIKKSGAWFAYNDEK 315
NTDB id 269 KZH43 RS08665 WP 001085462.1 LDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK 314
NTDB id 228 SPD RS09265 WP 001085462.1 LDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK 314
NTDB id 194 SPR RS08825 WP 001085462.1 LDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK 314
NTDB id 159 SP RS09750 WP 001085462.1 LDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK 314
NTDB id 527 SMSK321 RS11065 WP 001085454.1 LDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK 314
NTDB id 499 SM12261 RS08315 WP 078228268.1 LDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK 314
NTDB id 408 SMU RS09530 WP 002262392.1 LDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIIYGEGISRTGELVKIASDLGIIQKAGAWYSYNGEK 314
NTDB id 453 Spy49 1753c ACI62003.1 LDVRGTTQIKGTG.DQKDSSIGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRTGELVKIASDLDIIQKAGAWFSYNGEK 314
NTDB id 115 BSU 16940 NP 389576.2 LEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGEGISKEGEIIDLGTELDIVQKSGSWYSYEEER 295
NTDB id 625 LCA RS02525 WP 011374196.1 LEVRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGQGISRTGELVDMAVEKDIINKSGSWYSYGSER 297
NTDB id 1245 Cj1673c YP 002345041.1 LDVRKVAT....L.KQNEEPIGNRVKVKVVKNKVAPPFRQAEFDVMFGEGLSREGELIDYGVKLDIVDKSGAWFSYKDKK 297
NTDB id 1211 C694 RS00795 WP 000963128.1 IDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQDKK 299
NTDB id 1214 NCTC11637 00359 SQJ03206.1 IDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQDKK 299
NTDB id 1334 RA0C RS04870 WP 004918236.1 IDIRRSLSDTGKIKDKSGEVIGNRTKVKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDIIQKSGSWFSYQDTK 310
NTDB id 1389 A4U84 RS07560 WP 021112712.1 LDIRRCGV....V.KDGDEIIGSETKVKVVKNKVAPPFREVQFDIMYGEGISRMNELLILAEANGFIKKSGAWFSYDGTK 313
NTDB id 1130 NGFG RS03960 WP 003688695.1 LDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYNGAK 297
NTDB id 1124 NGFG RS03960 WP 003688695.1 LDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYNGAK 297
NTDB id 1123 OK783 RS03845 WP 003688695.1 LDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYNGAK 297
NTDB id 1427 RS RS02760 WP 011000510.1 LDIRRIGS....I.KKGDEVVGNETKVKVVKNKVAPPFREAIFDILYGAGVSREGEIIDLGVEAKVVEKSGAWYSYNGER 305
NTDB id 1165 A1552VC RS01565 WP 000344154.1 LDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGQGFNREGELIDLGVKHKMVEKSGAWYSYNGDK 296
NTDB id 1142 GTF74 RS11550 WP 000344154.1 LDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGQGFNREGELIDLGVKHKMVEKSGAWYSYNGDK 296
NTDB id 1022 ACIAD RS06390 WP 004925639.1 LDIRRIGQ....V.KEGDEIIGSETKVKVVKNKMAPPFREAIFQILYGKGVNQLGELVDLAVQQNIVQKAGAWYSYQGNK 296
NTDB id 1074 ABD1 RS10195 WP 000344167.1 LDIRRIGQ....V.KEGDEIVGSETKVKVVKNKMAPPFKEAIFQILYGKGTNQLGELVDLAVQQDIVQKAGAWYSYQGNK 296
NTDB id 1205 PSJM300 05545 AFN77183.1 LDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRQAEFQILYGKGIYRNGEIIDLGVQQGLVEKSGAWYAYKGSK 296
consensus


logo
NTDB id 1313 DR RS12030 WP 010888966.1 IGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAA......PEAAEA..... 363
NTDB id 92891 CDIF28196 RS06840 WP 003428218.1 LGQGRENVKKFLEDNLDLTTEIDEKVRAFYNLNEEHEESGTSVSKEIVE.....E..... 348
NTDB id 600 KW2 RS01765 WP 011675413.1 IGQGAEKAKNYLKEHQDVFDEIDHKVRAAHGLLDDSEVAETEEETTASKTKAKAKKEEKAVETEEIELELED..... 387
NTDB id 269 KZH43 RS08665 WP 001085462.1 IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE 388
NTDB id 228 SPD RS09265 WP 001085462.1 IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE 388
NTDB id 194 SPR RS08825 WP 001085462.1 IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE 388
NTDB id 159 SP RS09750 WP 001085462.1 IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE 388
NTDB id 527 SMSK321 RS11065 WP 001085454.1 IGQGSENAKKYLADNPEVFAEIDHQVRVQFGLIDGEEAAE....SKKDE....VAQVDS..VNEEVTLDLGDELEIEIEE 384
NTDB id 499 SM12261 RS08315 WP 078228268.1 IGQGSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIEIEE 384
NTDB id 408 SMU RS09530 WP 002262392.1 IGQGSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.......ETDEK..ADKNLVLELDDTIELED.. 383
NTDB id 453 Spy49 1753c ACI62003.1 IGQGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEEESAMAVASE.......E.......TDDLALDLDNGIEIED.. 378
NTDB id 115 BSU 16940 NP 389576.2 LGQGRENAKQFLKENKDIMLMIQEQIREHYGLDNNGVVQQQAEETQEEL.EFE.E..... 348
NTDB id 625 LCA RS02525 WP 011374196.1 IGQGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDLPTTEDE.QI.NILPDDST.....EE..... 355
NTDB id 1245 Cj1673c YP 002345041.1 LGQGRENSKAFLKENPEIADEITKAIQNSMGIEGMISGSEDD..EGEE..... 343
NTDB id 1211 C694 RS00795 WP 000963128.1 LGQGRENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDE..PLEEM.E..... 347
NTDB id 1214 NCTC11637 00359 SQJ03206.1 LGQGRENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDE..PLEEM.E..... 347
NTDB id 1334 RA0C RS04870 WP 004918236.1 LGQGRDTVKELIKDNPELAEELEAKIREKLQAK..... 343
NTDB id 1389 A4U84 RS07560 WP 021112712.1 IGQGKNNAVKWLKENPEIADKLEQEIRNTLASNPNSVLKATASDSNDES.DVEEF......SEEEL..... 372
NTDB id 1130 NGFG RS03960 WP 003688695.1 IGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETDGER.....PEE..... 348
NTDB id 1124 NGFG RS03960 WP 003688695.1 IGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETDGER.....PEE..... 348
NTDB id 1123 OK783 RS03845 WP 003688695.1 IGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETDGER.....PEE..... 348
NTDB id 1427 RS RS02760 WP 011000510.1 IGQGRDNCREFLRENAELAREIENKVREHLGVTPMGAVTLA.EEVEED..... 352
NTDB id 1165 A1552VC RS01565 WP 000344154.1 IGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAADDV.EFGAV......PEEF..... 354
NTDB id 1142 GTF74 RS11550 WP 000344154.1 IGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAADDV.EFGAV......PEEF..... 354
NTDB id 1022 ACIAD RS06390 WP 004925639.1 IGQGKNNVIRYLEENPQISTEIEAVIREQLLTKASDQTAA.HDETEEEP.DLL.....ES..... 349
NTDB id 1074 ABD1 RS10195 WP 000344167.1 IGQGKNNVIRYFEENNQIAEEIERNIREQLLTTGTNGAVQ.I.EDEEEP.DLL.....LES..... 349
NTDB id 1205 PSJM300 05545 AFN77183.1 IGQGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDLADA.DI..... 347
consensus
X non conserved
X similar
X ≥ 50% conserved