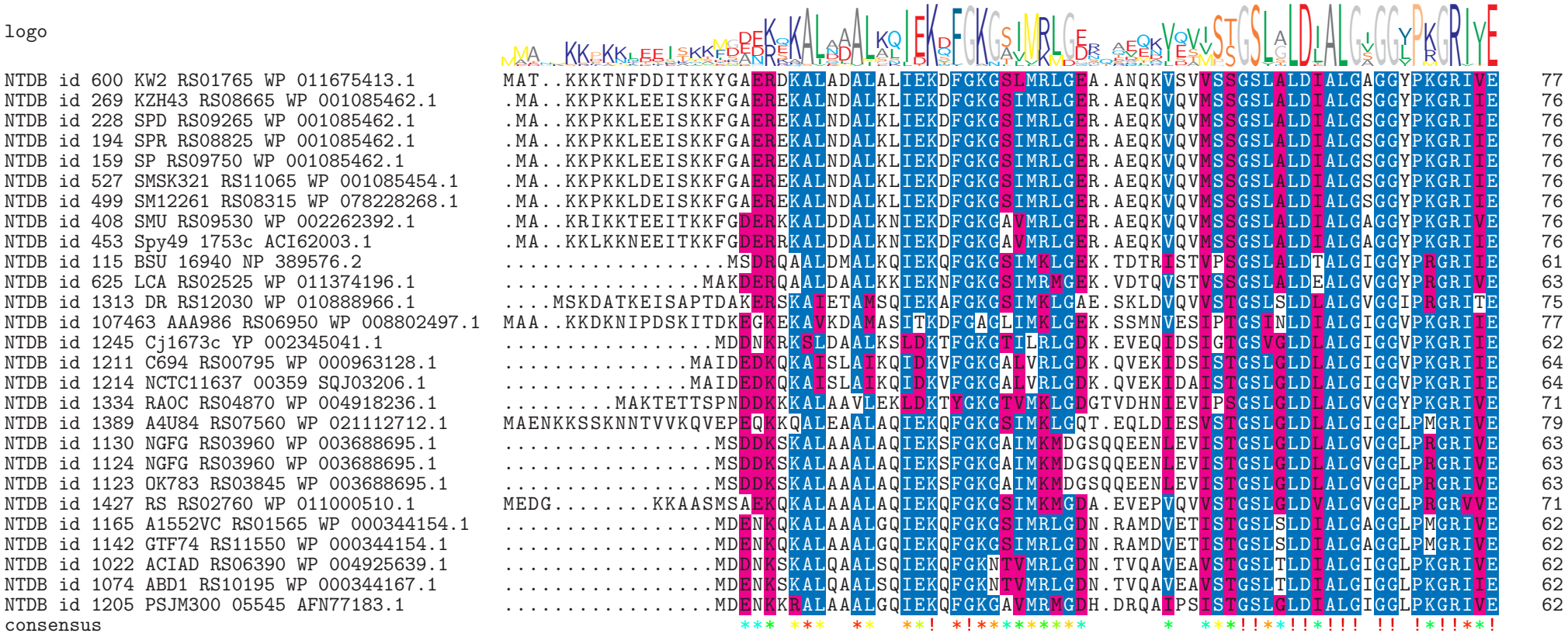
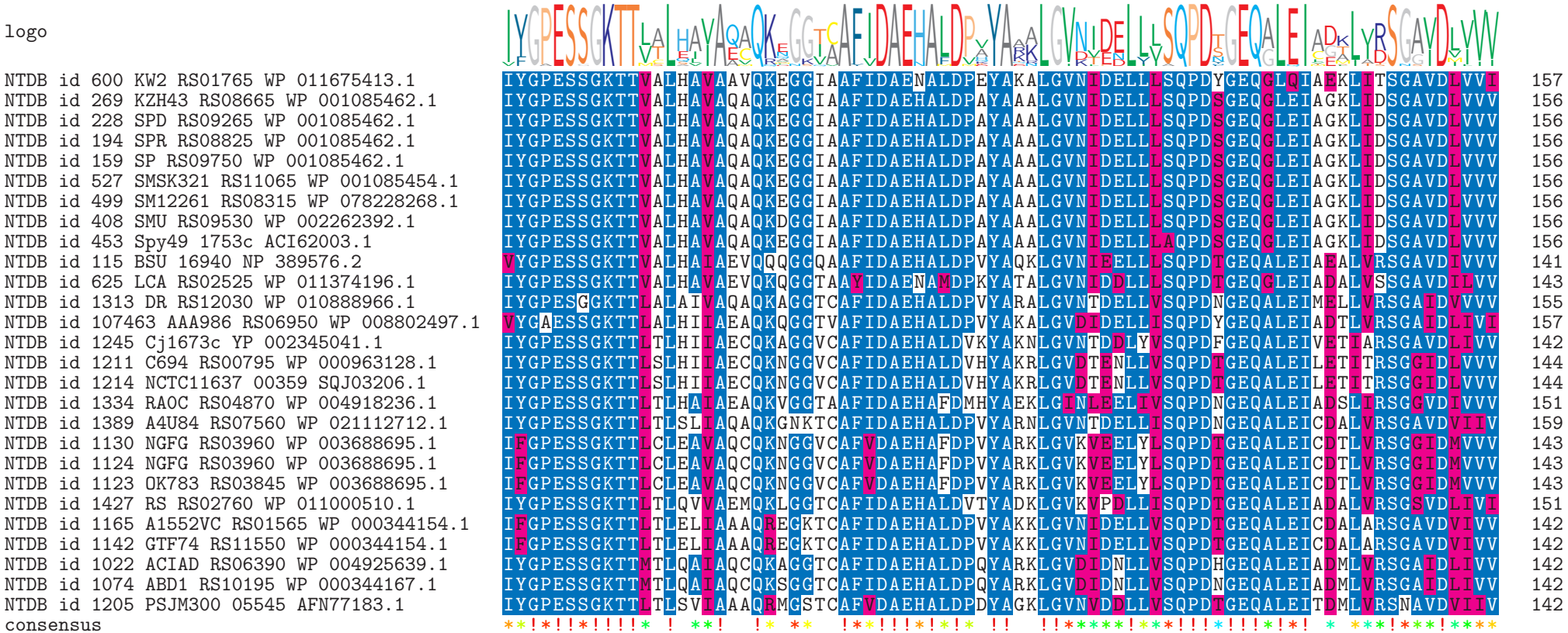
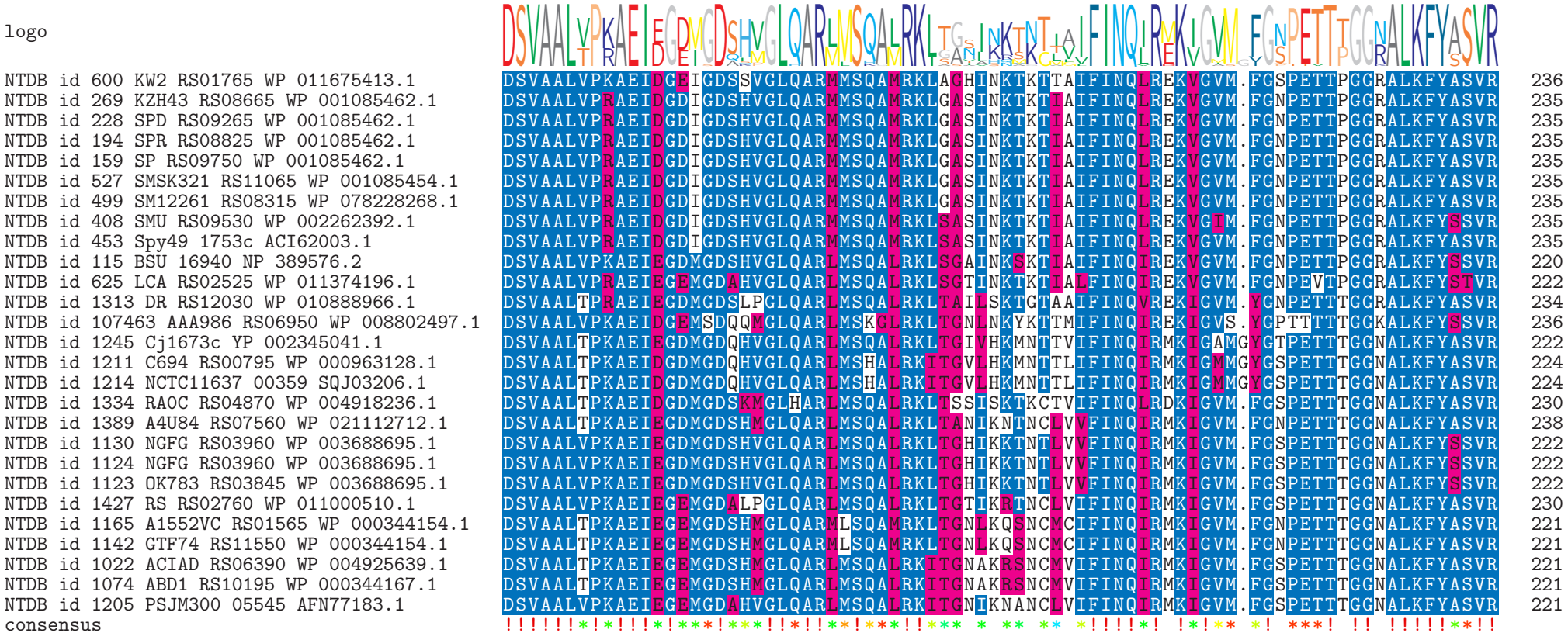
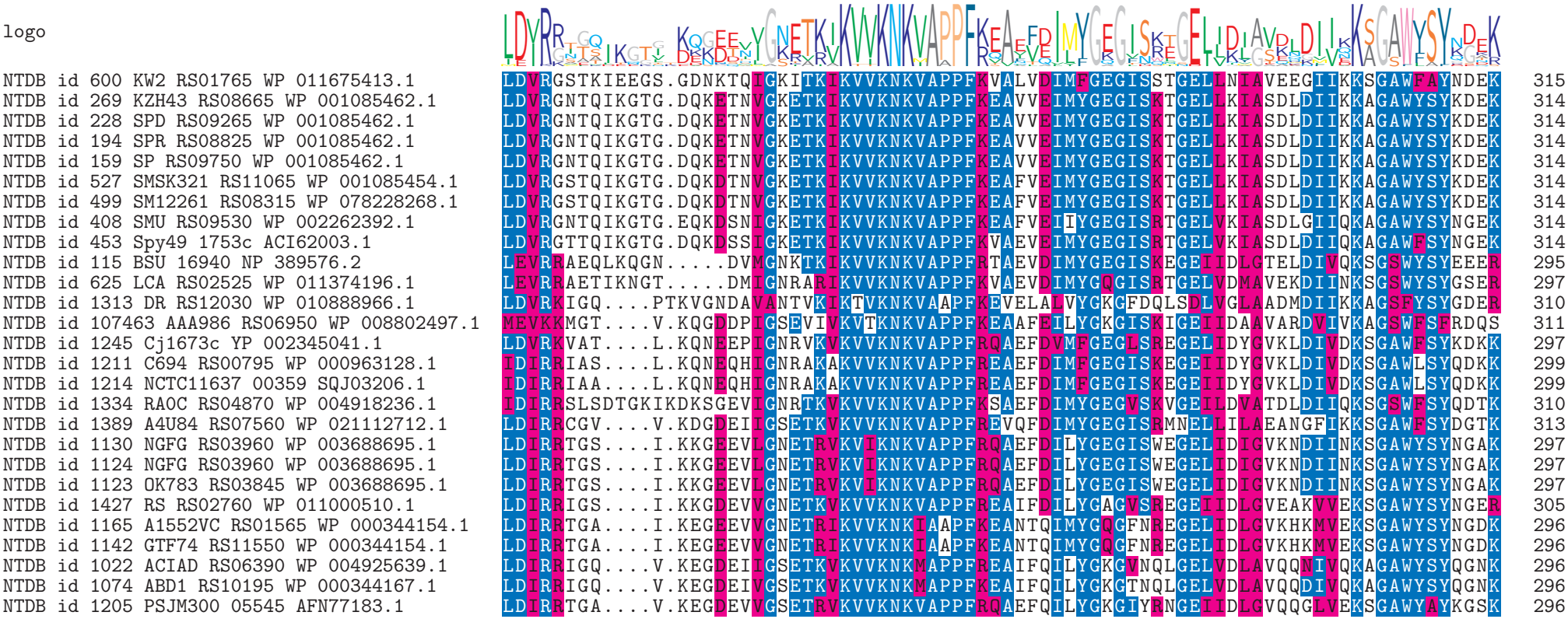
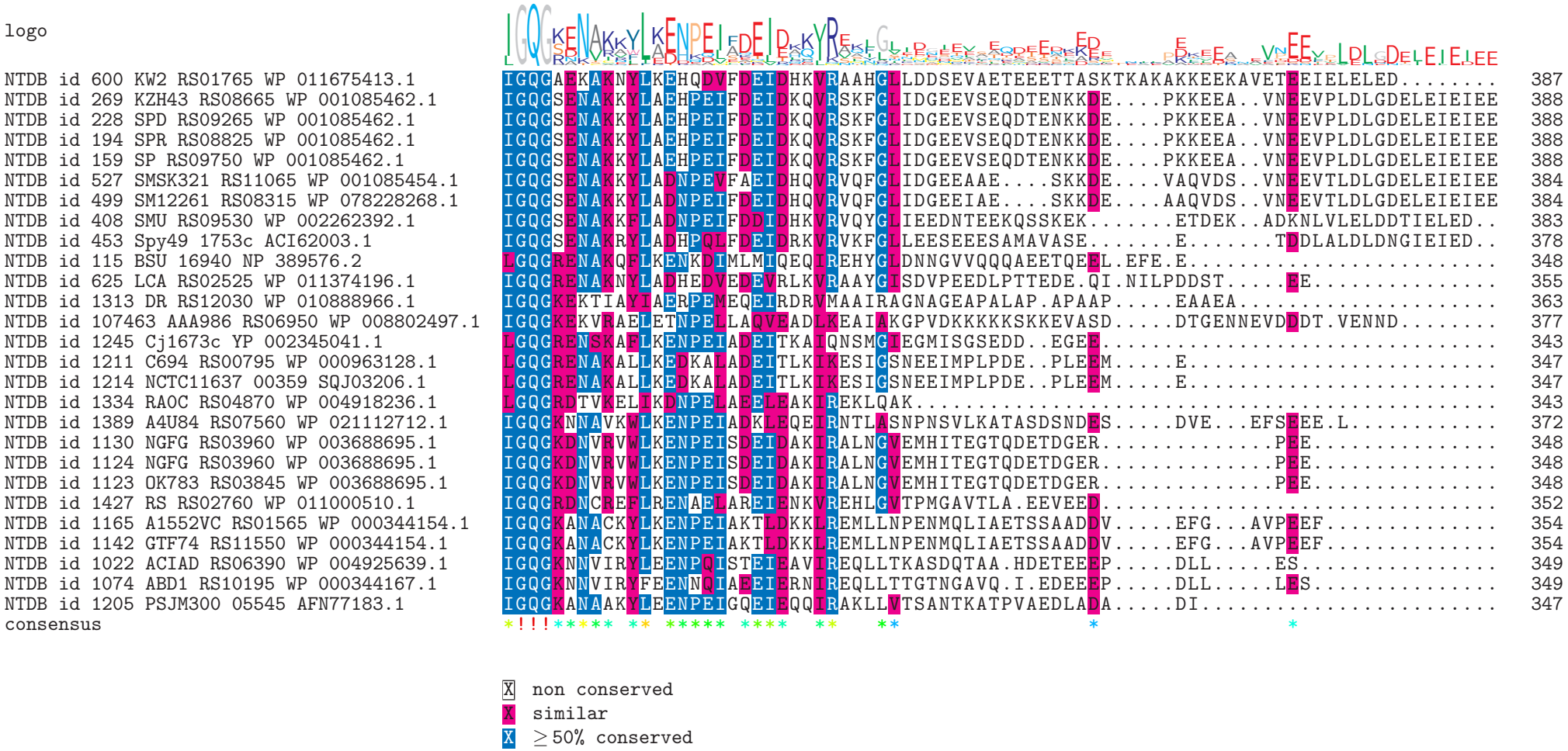

logo
NTDB id 600 KW2 RS01765 WP 011675413.1 MAT..KKKTNFDDITKKYGAERDKALADALALIEKDFGKGSLMRLGEA.ANQKVSVVSSGSLALDIALGAGGYPKGRIVE 77
NTDB id 269 KZH43 RS08665 WP 001085462.1 .MA..KKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 228 SPD RS09265 WP 001085462.1 .MA..KKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 194 SPR RS08825 WP 001085462.1 .MA..KKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 159 SP RS09750 WP 001085462.1 .MA..KKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 527 SMSK321 RS11065 WP 001085454.1 .MA..KKPKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 499 SM12261 RS08315 WP 078228268.1 .MA..KKPKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIIE 76
NTDB id 408 SMU RS09530 WP 002262392.1 .MA..KRIKKTEEITKKFGDERKKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGRIVE 76
NTDB id 453 Spy49 1753c ACI62003.1 .MA..KKLKKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGER.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 1313 DR RS12030 WP 010888966.1 ....MSKDATKEISAPTDAKERSKAIETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGRITE 75
NTDB id 107463 AAA986 RS06950 WP 008802497.1 MAA..KKDKNIPDSKITDKEGKEKAVKDAMASITKDFGAGLIMKLGEK.SSMNVESIPTGSINLDIALGIGGVPKGRITE 77
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 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 1313 DR RS12030 WP 010888966.1 IYGPESGGKTTLALAIVAQAQKAGGTCAFIDAEHALDPVYARALGVNTDELLVSQPDNGEQALEIMELLVRSGAIDVVVV 155
NTDB id 107463 AAA986 RS06950 WP 008802497.1 VYGAESSGKTTLALHIIAEAQKQGGTVAFIDAEHALDPVYAKALGVDIDELLISQPDYGEQALEIADTLVRSGAIDLIVI 157
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 IYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTENLLVSQPDTGEQALEILETITRSGGIDLVVV 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


logo
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 1313 DR RS12030 WP 010888966.1 DSVAALTPRAEIEGDMGDSLPGLQARLMSQALRKLTAILSKTGTAAIFINQVREKIGVM.YGNPETTTGGRALKFYASVR 234
NTDB id 107463 AAA986 RS06950 WP 008802497.1 DSVAALVPKAEIDGEMSDQQMGLQARLMSKGLRKLTGNLNKYKTTMIFINQIREKIGVS.YGPTTTTTGGKALKFYSSVR 236
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 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 1313 DR RS12030 WP 010888966.1 LDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKEVELALVYGKGFDQLSDLVGLAADMDIIKKAGSFYSYGDER 310
NTDB id 107463 AAA986 RS06950 WP 008802497.1 MEVKKMGT....V.KQGDDPIGSEVIVKVTKNKVAPPFKEAAFEILYGKGISKIGEIIDAAVARDVIVKAGSWFSFRDQS 311
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 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 1313 DR RS12030 WP 010888966.1 IGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAP.APAAP.....EAAEA..... 363
NTDB id 107463 AAA986 RS06950 WP 008802497.1 IGQGKEKVRAELETNPELLAQVEADLKEAIAKGPVDKKKKKSKKEVASD.....DTGENNEVDDDT.VENND..... 377
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 IGQGKNNAVKWLKENPEIADKLEQEIRNTLASNPNSVLKATASDSNDESS.....DVE...EFSEEE.L..... 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.....EFG...AVPEEF..... 354
NTDB id 1142 GTF74 RS11550 WP 000344154.1 IGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAADDV.....EFG...AVPEEF..... 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
non conserved
similar
≥ 50% conserved