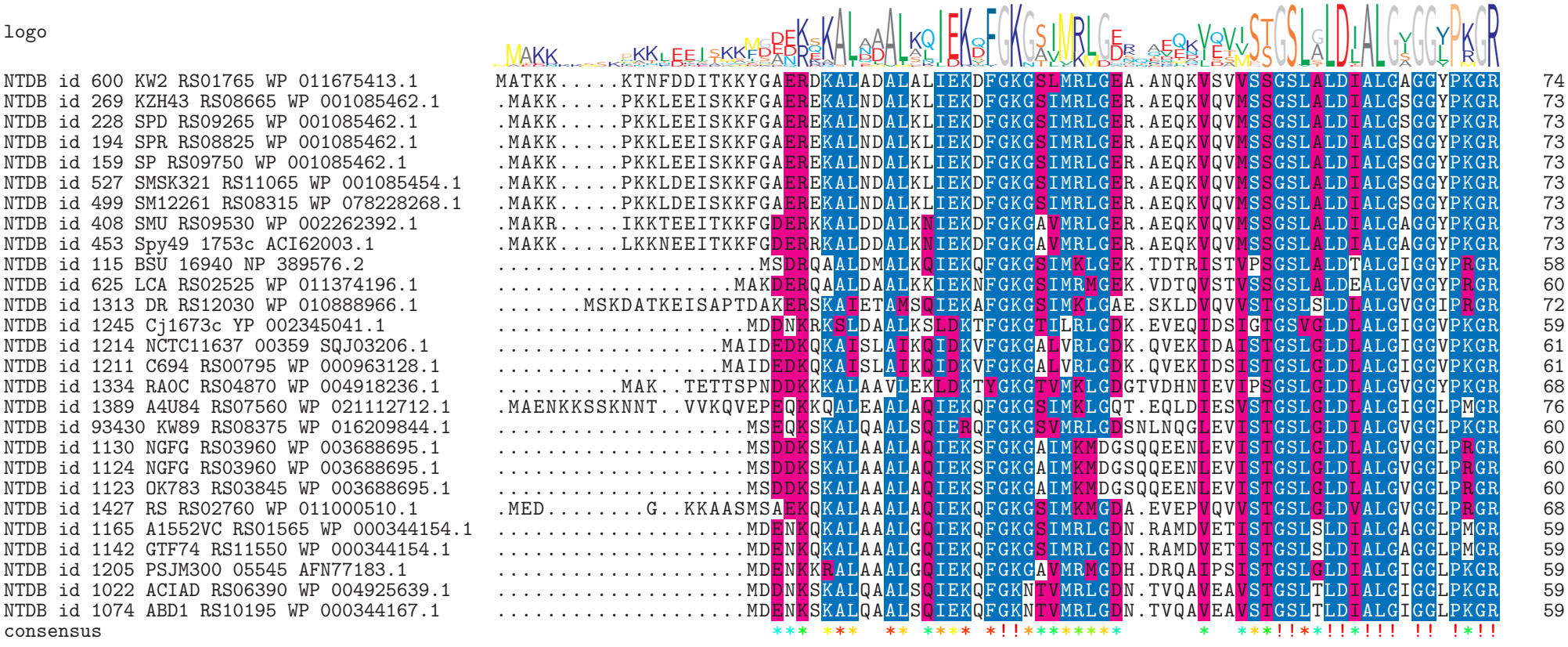
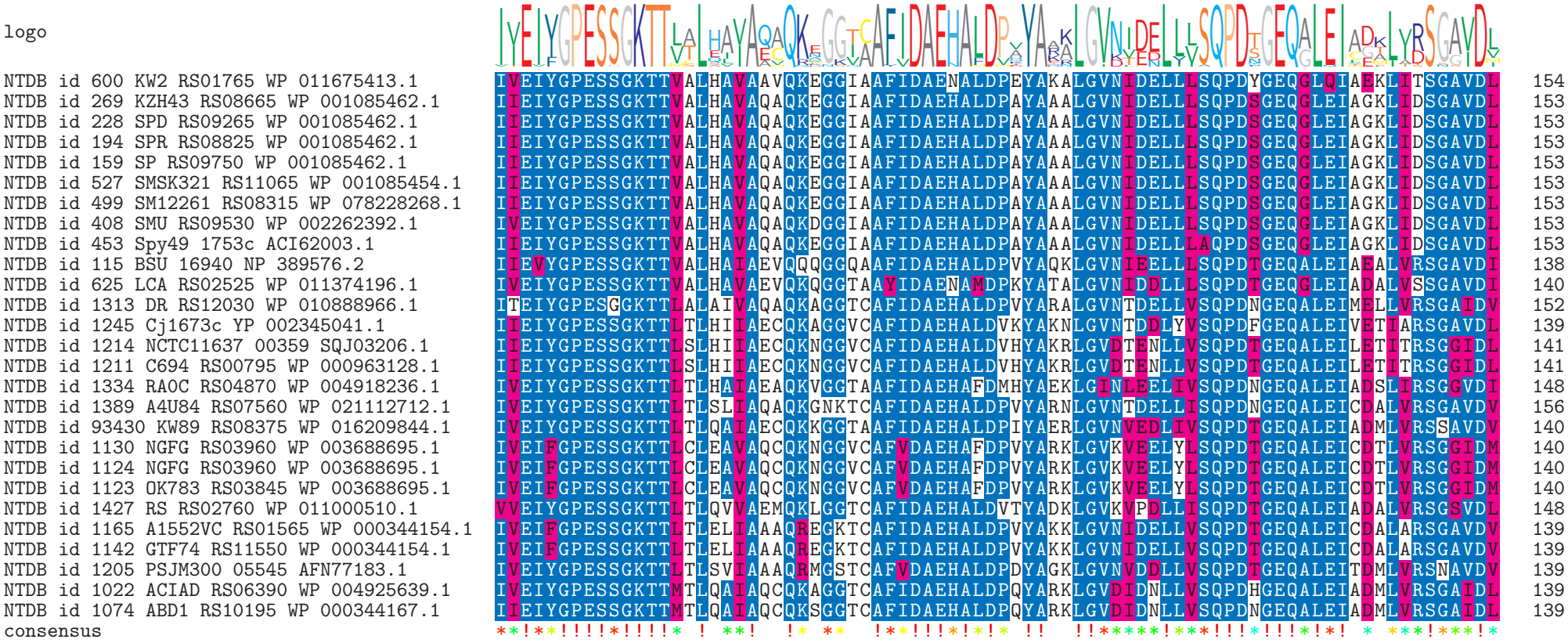
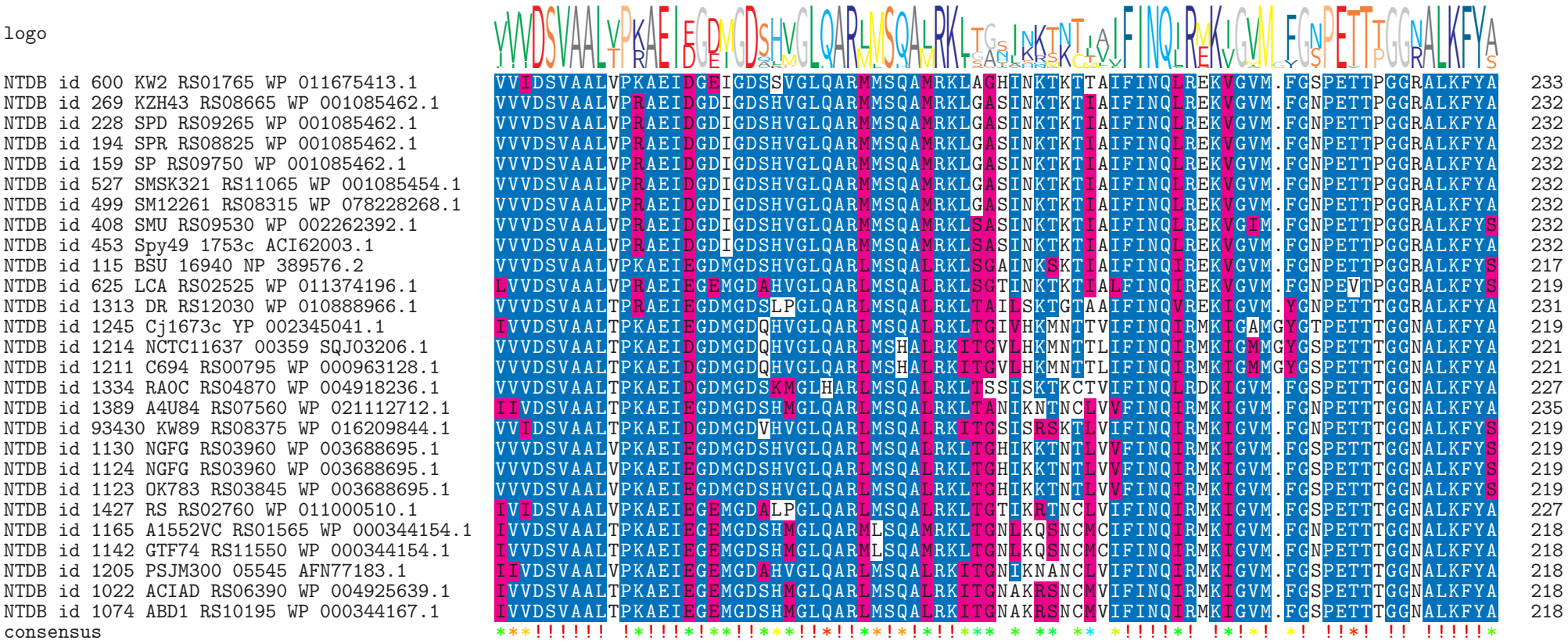
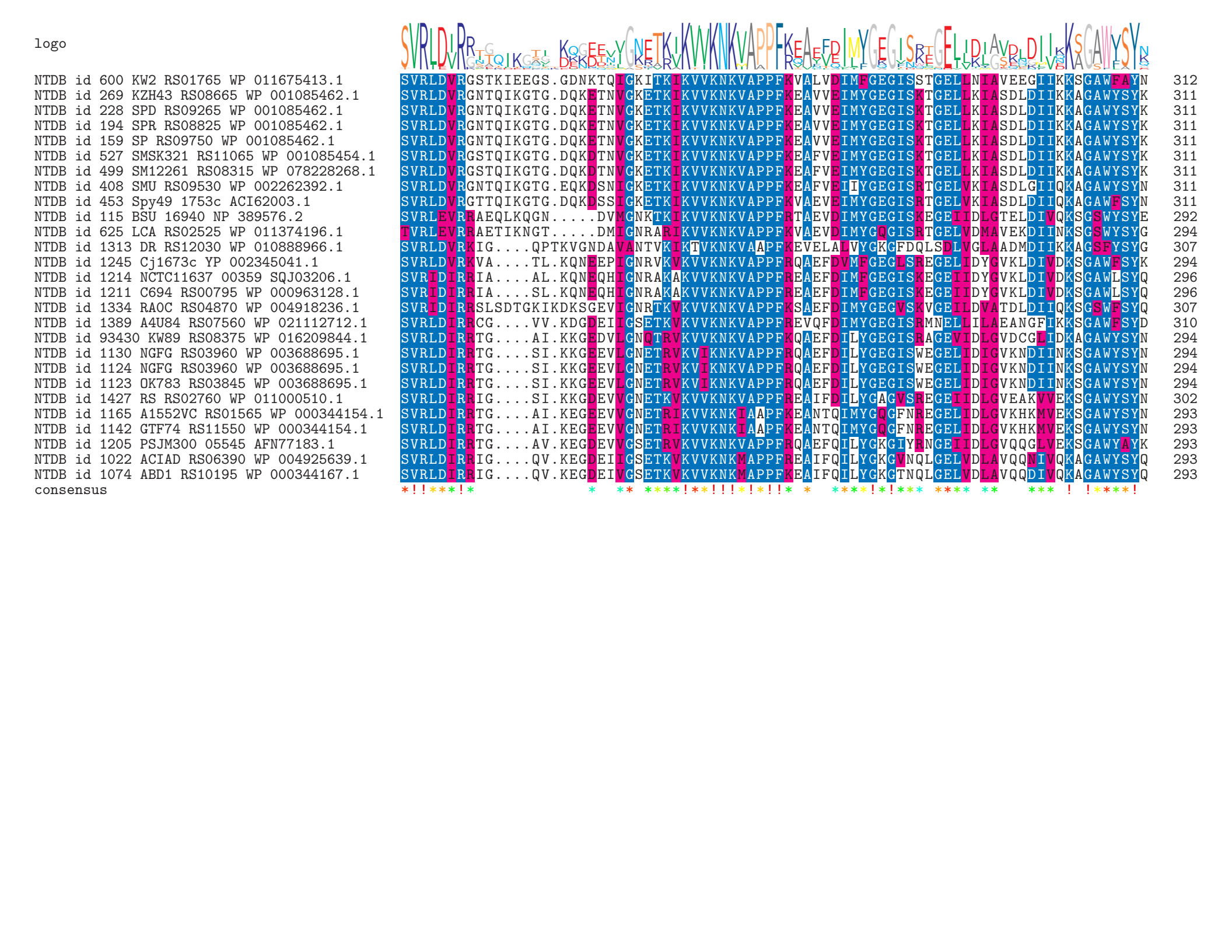
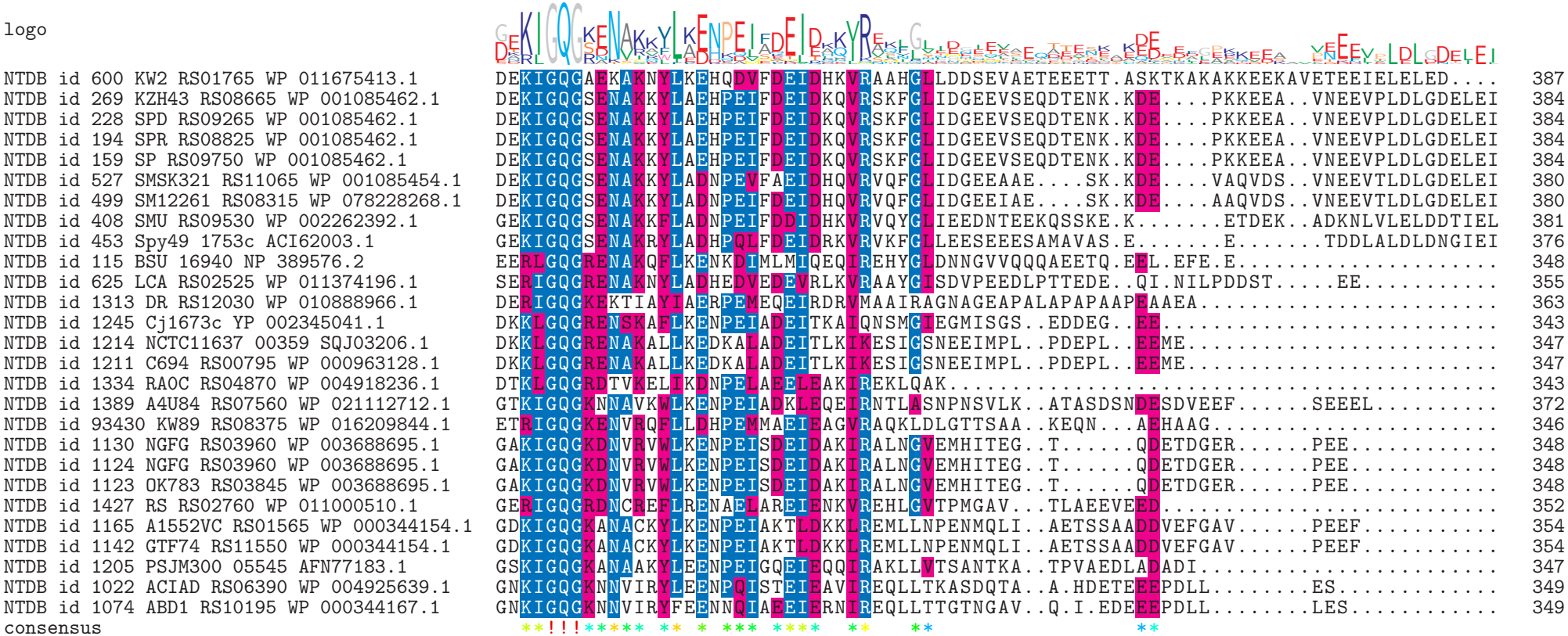

logo
NTDB id 600 KW2 RS01765 WP 011675413.1 MATKK.....KTNFDDITKKYGAERDKALADALALIEKDFGKGSLMRLGEA.ANQKVSVVSSGSLALDIALGAGGYPKGR 74
NTDB id 269 KZH43 RS08665 WP 001085462.1 .MAKK.....PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR 73
NTDB id 228 SPD RS09265 WP 001085462.1 .MAKK.....PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR 73
NTDB id 194 SPR RS08825 WP 001085462.1 .MAKK.....PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR 73
NTDB id 159 SP RS09750 WP 001085462.1 .MAKK.....PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR 73
NTDB id 527 SMSK321 RS11065 WP 001085454.1 .MAKK.....PKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR 73
NTDB id 499 SM12261 RS08315 WP 078228268.1 .MAKK.....PKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR 73
NTDB id 408 SMU RS09530 WP 002262392.1 .MAKR.....IKKTEEITKKFGDERKKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGR 73
NTDB id 453 Spy49 1753c ACI62003.1 .MAKK.....LKKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGR 73
NTDB id 115 BSU 16940 NP 389576.2 .....MSDRQAALDMALKQIEKQFGKGSIMKLGEK.TDTRISTVPSGSLALDTALGIGGYPRGR 58
NTDB id 625 LCA RS02525 WP 011374196.1 .....MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGR 60
NTDB id 1313 DR RS12030 WP 010888966.1 .....MSKDATKEISAPTDAKERSKAIETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGR 72
NTDB id 1245 Cj1673c YP 002345041.1 .....MDDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGR 59
NTDB id 1214 NCTC11637 00359 SQJ03206.1 .....MAIDEDKQKAISLAIKQIDKVFGKGALVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGR 61
NTDB id 1211 C694 RS00795 WP 000963128.1 .....MAIDEDKQKAISLAIKQIDKVFGKGALVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGR 61
NTDB id 1334 RA0C RS04870 WP 004918236.1 .....MAK..TETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDGTVDHNIEVIPSGSLGLDLALGVGGYPKGR 68
NTDB id 1389 A4U84 RS07560 WP 021112712.1 .MAENKKSSKNNT..VVKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGR 76
NTDB id 93430 KW89 RS08375 WP 016209844.1 .....MSEQKSKALQAALSQIERQFGKGSVMRLGDSNLNQGLEVISTGSLGLDIALGVGGLPKGR 60
NTDB id 1130 NGFG RS03960 WP 003688695.1 .....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGR 60
NTDB id 1124 NGFG RS03960 WP 003688695.1 .....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGR 60
NTDB id 1123 OK783 RS03845 WP 003688695.1 .....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGR 60
NTDB id 1427 RS RS02760 WP 011000510.1 .MED.....G..KKAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPRGR 68
NTDB id 1165 A1552VC RS01565 WP 000344154.1 .....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGR 59
NTDB id 1142 GTF74 RS11550 WP 000344154.1 .....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGR 59
NTDB id 1205 PSJM300 05545 AFN77183.1 .....MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSISTGSLGLDIALGIGGLPKGR 59
NTDB id 1022 ACIAD RS06390 WP 004925639.1 .....MDDNKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGR 59
NTDB id 1074 ABD1 RS10195 WP 000344167.1 .....MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGR 59
consensus


logo
NTDB id 600 KW2 RS01765 WP 011675413.1 IVEIYGPESSGKTTVALHAVAAVQKEGGIAAFIDAENALDPEYAKALGVNIDELLLSQPDYGEQGLQIAEKLITSGAVDL 154
NTDB id 269 KZH43 RS08665 WP 001085462.1 IIEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDL 153
NTDB id 228 SPD RS09265 WP 001085462.1 IIEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDL 153
NTDB id 194 SPR RS08825 WP 001085462.1 IIEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDL 153
NTDB id 159 SP RS09750 WP 001085462.1 IIEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDL 153
NTDB id 527 SMSK321 RS11065 WP 001085454.1 IIEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDL 153
NTDB id 499 SM12261 RS08315 WP 078228268.1 IIEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDL 153
NTDB id 408 SMU RS09530 WP 002262392.1 IVEIYGPESSGKTTVALHAVAQAQKDGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDL 153
NTDB id 453 Spy49 1753c ACI62003.1 IIEIYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLAQPDSGEQGLEIAGKLIDSGAVDL 153
NTDB id 115 BSU 16940 NP 389576.2 IIEVYGPESSGKTTVALHAIAEVQQQGGQAAFIDAEHALDPVYAQKLGVNIEELLLSQPDTGEQALEIAEALVRSGAVDI 138
NTDB id 625 LCA RS02525 WP 011374196.1 IVEIYGPESSGKTTVALHAVAEVQKQGGTAAYIDAENAMDPKYATALGVNIDDLLLSQPDTGEQGLEIADALVSSGAVDI 140
NTDB id 1313 DR RS12030 WP 010888966.1 ITEIYGPESGGKTTLALAIVAQAQKAGGTCAFIDAEHALDPVYARALGVNTDELLVSQPDNGEQALEIMELLVRSGAIDV 152
NTDB id 1245 Cj1673c YP 002345041.1 IIEIYGPESSGKTTLTLHIIAECQKAGGVCAFIDAEHALDVKYAKNLGVNTDDLYVSQPDFGEQALEIVETIIARSGAVDL 139
NTDB id 1214 NCTC11637 00359 SQJ03206.1 IIEIYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTENLLVSQPDTGEQALEILETIITRSGGIDL 141
NTDB id 1211 C694 RS00795 WP 000963128.1 IIEIYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTENLLVSQPDTGEQALEILETIITRSGGIDL 141
NTDB id 1334 RA0C RS04870 WP 004918236.1 IVEIYGPESSGKTTLTLHAIAEAQKVGGTAAFIDAEHAFDMHYAEKLGINLEELIVSQPDNGEQALEIADSLIRSGGVDI 148
NTDB id 1389 A4U84 RS07560 WP 021112712.1 IVEIYGPESSGKTTLTLSLIAQAQKGNKTCAFIDAEHALDPVYARNLGVNTDELLISQPDNGEQALEICDALVRSGAVDV 156
NTDB id 93430 KW89 RS08375 WP 016209844.1 IVEIYGPESSGKTTLTLQAIAECQKKGGTAAFIDAEHALDPIYAERLGVNVEDLIVSQPDTGEQALEIADMLVRSSAVDV 140
NTDB id 1130 NGFG RS03960 WP 003688695.1 IVEIFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDM 140
NTDB id 1124 NGFG RS03960 WP 003688695.1 IVEIFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDM 140
NTDB id 1123 OK783 RS03845 WP 003688695.1 IVEIFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDM 140
NTDB id 1427 RS RS02760 WP 011000510.1 VVEIYGPESSGKTTLTLQVVAEMQKLGGTCAFIDAEHALDVTYADKLGVKVPDLLISQPDTGEQALEIADALVRSGSVDL 148
NTDB id 1165 A1552VC RS01565 WP 000344154.1 IVEIFGPESSGKTTLTLELIAAAQREGKTCAFIDAEHALDPVYAKKLGVNIDELLVSQPDTGEQALEICDALARSGAVDV 139
NTDB id 1142 GTF74 RS11550 WP 000344154.1 IVEIFGPESSGKTTLTLELIAAAQREGKTCAFIDAEHALDPVYAKKLGVNIDELLVSQPDTGEQALEICDALARSGAVDV 139
NTDB id 1205 PSJM300 05545 AFN77183.1 IVEIYGPESSGKTTLTLSVIAAAQRMGSTCAFVDAEHALDPDYAGKLGVNVDDLLVSQPDTGEQALEITDMLVRSNAVDV 139
NTDB id 1022 ACIAD RS06390 WP 004925639.1 IVEIYGPESSGKTTMTLQAIAQCQKAGGTCAFIDAEHALDPQYARKLGVDIDNLLVSQPDHGEQALEIADMLVRSGAIDL 139
NTDB id 1074 ABD1 RS10195 WP 000344167.1 IIEIYGPESSGKTTMTLQAIAQCQKSGGTCAFIDAEHALDPQYARKLGVDIDNLLVSQPDNGEQALEIADMLVRSGAIDL 139
consensus


logo
NTDB id 600 KW2 RS01765 WP 011675413.1 VVIDSVAALVPKAEIDGEIGDSSVGLQARMMSQAMRKLAGHINKTKTTAIFINQLREKVGVM.FGSPETTPGGRALKFYA 233
NTDB id 269 KZH43 RS08665 WP 001085462.1 VVVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYA 232
NTDB id 228 SPD RS09265 WP 001085462.1 VVVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYA 232
NTDB id 194 SPR RS08825 WP 001085462.1 VVVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYA 232
NTDB id 159 SP RS09750 WP 001085462.1 VVVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYA 232
NTDB id 527 SMSK321 RS11065 WP 001085454.1 VVVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYA 232
NTDB id 499 SM12261 RS08315 WP 078228268.1 VVVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYA 232
NTDB id 408 SMU RS09530 WP 002262392.1 VVVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLSASINKTKTIAIFINQLREKVGIM.FGNPETTPGGRALKFYS 232
NTDB id 453 Spy49 1753c ACI62003.1 VVVDSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLSASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYA 232
NTDB id 115 BSU 16940 NP 389576.2 VVVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLSGAINKSKTIAIFINQIREKVGVM.FGNPETTPGGRALKFYS 217
NTDB id 625 LCA RS02525 WP 011374196.1 LVVDSVAALVPRAEIEGEMGDAHVGLQARLMSQALRKLSGTINKTKTIALFINQIREKVGVM.FGNPEVTPGGRALKFYS 219
NTDB id 1313 DR RS12030 WP 010888966.1 VVVDSVAALTPRAEIEGDMGDSLPGLQARLMSQALRKLTAILSKTGTAAIFINQVREKIGVM.YGNPETTTGGRALKFYA 231
NTDB id 1245 Cj1673c YP 002345041.1 IVVDSVAALTPKAEIEGDMGDQHVGLQARLMSQALRKLTGIVHKMNTTVIFINQIRMKIGAMGYGTPETTTGGNALKFYA 219
NTDB id 1214 NCTC11637 00359 SQJ03206.1 VVVDSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQIRMKIGMMGYGSPETTTGGNALKFYA 221
NTDB id 1211 C694 RS00795 WP 000963128.1 VVVDSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQIRMKIGMMGYGSPETTTGGNALKFYA 221
NTDB id 1334 RA0C RS04870 WP 004918236.1 VVVDSVAALTPKAEIDGDMGDSKMGLHARLMSQALRKLTSSISKTKCTVIFINQLRDKIGVM.FGSPETTTGGNALKFYA 227
NTDB id 1389 A4U84 RS07560 WP 021112712.1 IIVDSVAALTPKAEIEGDMGDSHMGLQARLMSQALRKLTANIKNTNCLVVFINQIRMKIGVM.FGNPETTTGGNALKFYA 235
NTDB id 93430 KW89 RS08375 WP 016209844.1 VVIDSVAALTPKAEIDGDMGDVHVGLQARLMSQALRKITGSISRSKTLVIFINQIRMKIGVM.FGNPETTTGGNALKFYS 219
NTDB id 1130 NGFG RS03960 WP 003688695.1 VVVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYS 219
NTDB id 1124 NGFG RS03960 WP 003688695.1 VVVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYS 219
NTDB id 1123 OK783 RS03845 WP 003688695.1 VVVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYS 219
NTDB id 1427 RS RS02760 WP 011000510.1 IVIDSVAALVPKAEIEGEMGDALPGLQARLMSQALRKLTGTIKRTNCLVIFINQIRMKIGVM.FGSPETTTGGNALKFYA 227
NTDB id 1165 A1552VC RS01565 WP 000344154.1 IVVDSVAALTPKAEIEGEMGDSHMGLQARMLSQAMRKLTGNLKQSNCMCIFINQIRMKIGVM.FGNPETTTGGNALKFYA 218
NTDB id 1142 GTF74 RS11550 WP 000344154.1 IVVDSVAALTPKAEIEGEMGDSHMGLQARMLSQAMRKLTGNLKQSNCMCIFINQIRMKIGVM.FGNPETTTGGNALKFYA 218
NTDB id 1205 PSJM300 05545 AFN77183.1 IIVDSVAALVPKAEIEGEMGDAHVGLQARLMSQALRKITGNIKNANCLVIFINQIRMKIGVM.FGSPETTTGGNALKFYA 218
NTDB id 1022 ACIAD RS06390 WP 004925639.1 IVVDSVAALTPKAEIEGEMGDSHMGLQARLMSQALRKITGNAKRSNCMVIFINQIRMKIGVM.FGSPETTTGGNALKFYA 218
NTDB id 1074 ABD1 RS10195 WP 000344167.1 IVVDSVAALTPKAEIEGEMGDSHMGLQARLMSQALRKITGNAKRSNCMVIFINQIRMKIGVM.FGSPETTTGGNALKFYA 218
consensus


logo
NTDB id 600 KW2 RS01765 WP 011675413.1 SVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELLNIAVEEGIIKKSGAWFAYN 312
NTDB id 269 KZH43 RS08665 WP 001085462.1 SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYK 311
NTDB id 228 SPD RS09265 WP 001085462.1 SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYK 311
NTDB id 194 SPR RS08825 WP 001085462.1 SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYK 311
NTDB id 159 SP RS09750 WP 001085462.1 SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYK 311
NTDB id 527 SMSK321 RS11065 WP 001085454.1 SVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYK 311
NTDB id 499 SM12261 RS08315 WP 078228268.1 SVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYK 311
NTDB id 408 SMU RS09530 WP 002262392.1 SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIIYGEGISRTGELVKIASDLGIIQKAGAWYSYN 311
NTDB id 453 Spy49 1753c ACI62003.1 SVRLDVRGTTQIKGTG.DQKDSSIGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRTGELVKIASDLDIIQKAGAWFSYN 311
NTDB id 115 BSU 16940 NP 389576.2 SVRLEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGEGISKEGEIIDLGTELDIVQKSGSWYSYE 292
NTDB id 625 LCA RS02525 WP 011374196.1 TVRLEVRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGQGISRTGELVDMAVEKDIINKSGSWYSYG 294
NTDB id 1313 DR RS12030 WP 010888966.1 SVRLDVRKIG....QPTKVGNDAVANTVKIKTVKNKVAAPFKEVELALVYGKGFDQLSDLVGLAADMDIIKKAGSFYSYG 307
NTDB id 1245 Cj1673c YP 002345041.1 SVRLDVRKVA....TL.KQNEEPIGNRVKVKVVKNKVAPPFRQAEFDVMFGEGLSREGELIDYGVKLDIVDKSGAWFSYK 294
NTDB id 1214 NCTC11637 00359 SQJ03206.1 SVRIDIRRIA....AL.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ 296
NTDB id 1211 C694 RS00795 WP 000963128.1 SVRIDIRRIA....SL.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ 296
NTDB id 1334 RA0C RS04870 WP 004918236.1 SVRIDIRRSLSDTGKIKDKSGEVIGNRTKVKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDIIQKSGSWFSYQ 307
NTDB id 1389 A4U84 RS07560 WP 021112712.1 SVRLDIRRCG....VV.KDGDEIIGSETKVKVVKNKVAPPFREVQFDIMYGEGISRMNELLILAEANGFIKKSGAWFSYD 310
NTDB id 93430 KW89 RS08375 WP 016209844.1 SVRLDIRRTG....AI.KKGEDVLGNQTRVKVVKNKVAPPFKQAEFDILYGEGISRAGEVIDLGVDCGLIDKAGAWYSYN 294
NTDB id 1130 NGFG RS03960 WP 003688695.1 SVRLDIRRTG....SI.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYN 294
NTDB id 1124 NGFG RS03960 WP 003688695.1 SVRLDIRRTG....SI.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYN 294
NTDB id 1123 OK783 RS03845 WP 003688695.1 SVRLDIRRTG....SI.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYN 294
NTDB id 1427 RS RS02760 WP 011000510.1 SVRLDIRRIG....SI.KKGDEVVGNETKVKVVKNKVAPPFREAIFDILYGAGVSREGEIIDLGVEAKVVEKSGAWYSYN 302
NTDB id 1165 A1552VC RS01565 WP 000344154.1 SVRLDIRRTG....AI.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGQGFNREGELIDLGVKHKMVEKSGAWYSYN 293
NTDB id 1142 GTF74 RS11550 WP 000344154.1 SVRLDIRRTG....AI.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGQGFNREGELIDLGVKHKMVEKSGAWYSYN 293
NTDB id 1205 PSJM300 05545 AFN77183.1 SVRLDIRRTG....AV.KEGDEVVGSETRVKVVKNKVAPPFRQAEFQILYGKGIYRNGEIIDLGVQQGLVEKSGAWYAYK 293
NTDB id 1022 ACIAD RS06390 WP 004925639.1 SVRLDIRRIG....QV.KEGDEIIGSETKVKVVKNKMAPPFREAIFQILYGKGVNQLGELVDLAVQQNIVQKAGAWYSYQ 293
NTDB id 1074 ABD1 RS10195 WP 000344167.1 SVRLDIRRIG....QV.KEGDEIVGSETKVKVVKNKMAPPFKEAIFQILYGKGTNQLGELVDLAVQQDIVQKAGAWYSYQ 293
consensus


logo
NTDB id 600 KW2 RS01765 WP 011675413.1 DEKIGQGAEKAKNYLKEHQDVFDEIDHKVRAAHGLLDDSEVAETEEETT.ASKTKAKAKKEEKAVETEEIELELED.... 387
NTDB id 269 KZH43 RS08665 WP 001085462.1 DEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENK.KDE....PKKEEA..VNEEVPLDLGDELEI 384
NTDB id 228 SPD RS09265 WP 001085462.1 DEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENK.KDE....PKKEEA..VNEEVPLDLGDELEI 384
NTDB id 194 SPR RS08825 WP 001085462.1 DEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENK.KDE....PKKEEA..VNEEVPLDLGDELEI 384
NTDB id 159 SP RS09750 WP 001085462.1 DEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENK.KDE....PKKEEA..VNEEVPLDLGDELEI 384
NTDB id 527 SMSK321 RS11065 WP 001085454.1 DEKIGQGSENAKKYLADNPEVFAEIDHQVRVQFGLIDGEEAAE....SK.KDE....VAQVDS..VNEEVTLDLGDELEI 380
NTDB id 499 SM12261 RS08315 WP 078228268.1 DEKIGQGSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE....SK.KDE....AAQVDS..VNEEVTLDLGDELEI 380
NTDB id 408 SMU RS09530 WP 002262392.1 GEKIGQGSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKE.K.......ETDEK..ADKNLVLELDDTIEL 381
NTDB id 453 Spy49 1753c ACI62003.1 GEKIGQGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEEESAMAVAS.E.......E.......TDDLALDLDNGIEI 376
NTDB id 115 BSU 16940 NP 389576.2 EERLGQGRENAKQFLKENKDIMLMIQEQIREHYGLDNNGVVQQQAEETQ.EEL.EFE.E..... 348
NTDB id 625 LCA RS02525 WP 011374196.1 SERIGQGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDLPTTEDE..QI.NILPDDST.....EE..... 355
NTDB id 1313 DR RS12030 WP 010888966.1 DERIGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAAEA..... 363
NTDB id 1245 Cj1673c YP 002345041.1 DKKLGQGRENSKAFLKENPEIADEITKAIQNSMGIEGMISGS..EDDEG..EE..... 343
NTDB id 1214 NCTC11637 00359 SQJ03206.1 DKKLGQGRENAKALLKEDKALADEITLKIKESIGSNEEIMPL..PDEPL..EEME..... 347
NTDB id 1211 C694 RS00795 WP 000963128.1 DKKLGQGRENAKALLKEDKALADEITLKIKESIGSNEEIMPL..PDEPL..EEME..... 347
NTDB id 1334 RA0C RS04870 WP 004918236.1 DTKLGQGRDTVKELIKDNPELAPELEAKIREKLQAK..... 343
NTDB id 1389 A4U84 RS07560 WP 021112712.1 GTKIGQGKNNAVKWLKENPEIADKLEQEIRNTLASNPNSVLK..ATASDSNDESDVEEF......SEEEL..... 372
NTDB id 93430 KW89 RS08375 WP 016209844.1 ETRIGQGKENVRQFLLDHPEMMAEIEAGVRAQKLDLGTTSAA..KEQN...AEHAAG..... 346
NTDB id 1130 NGFG RS03960 WP 003688695.1 GAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEG..T......QDETDGER......PEE..... 348
NTDB id 1124 NGFG RS03960 WP 003688695.1 GAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEG..T......QDETDGER......PEE..... 348
NTDB id 1123 OK783 RS03845 WP 003688695.1 GAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEG..T......QDETDGER......PEE..... 348
NTDB id 1427 RS RS02760 WP 011000510.1 GERIGQGRDNCREFLRENAELAREIENKVREHLGVTPMGAV...TLAEEVEED..... 352
NTDB id 1165 A1552VC RS01565 WP 000344154.1 GDKIGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLI..AETSSAADDVEFGAV......PEEF..... 354
NTDB id 1142 GTF74 RS11550 WP 000344154.1 GDKIGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLI..AETSSAADDVEFGAV......PEEF..... 354
NTDB id 1205 PSJM300 05545 AFN77183.1 GSKIGQGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANTKA..TPVAEDLADADI..... 347
NTDB id 1022 ACIAD RS06390 WP 004925639.1 GNKIGQGKNNVIRYLEENPQISTEIEAVIREQLLTKASDQTA..A.HDETEEEPDLL.....ES..... 349
NTDB id 1074 ABD1 RS10195 WP 000344167.1 GNKIGQGKNNVIRYFEENNQIAEEIERNIREQLLTTGTNGAV..Q.I.EDEEEPDLL.....LES..... 349
consensus

logo



| | | |
|---|---|---|
| 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 408 SMU RS09530 WP 002262392.1 | ED.. | 383 |
| NTDB id 453 Spy49 1753c ACI62003.1 | ED.. | 378 |
| 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 93430 KW89 RS08375 WP 016209844.1 | .... | 346 |
| 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 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

