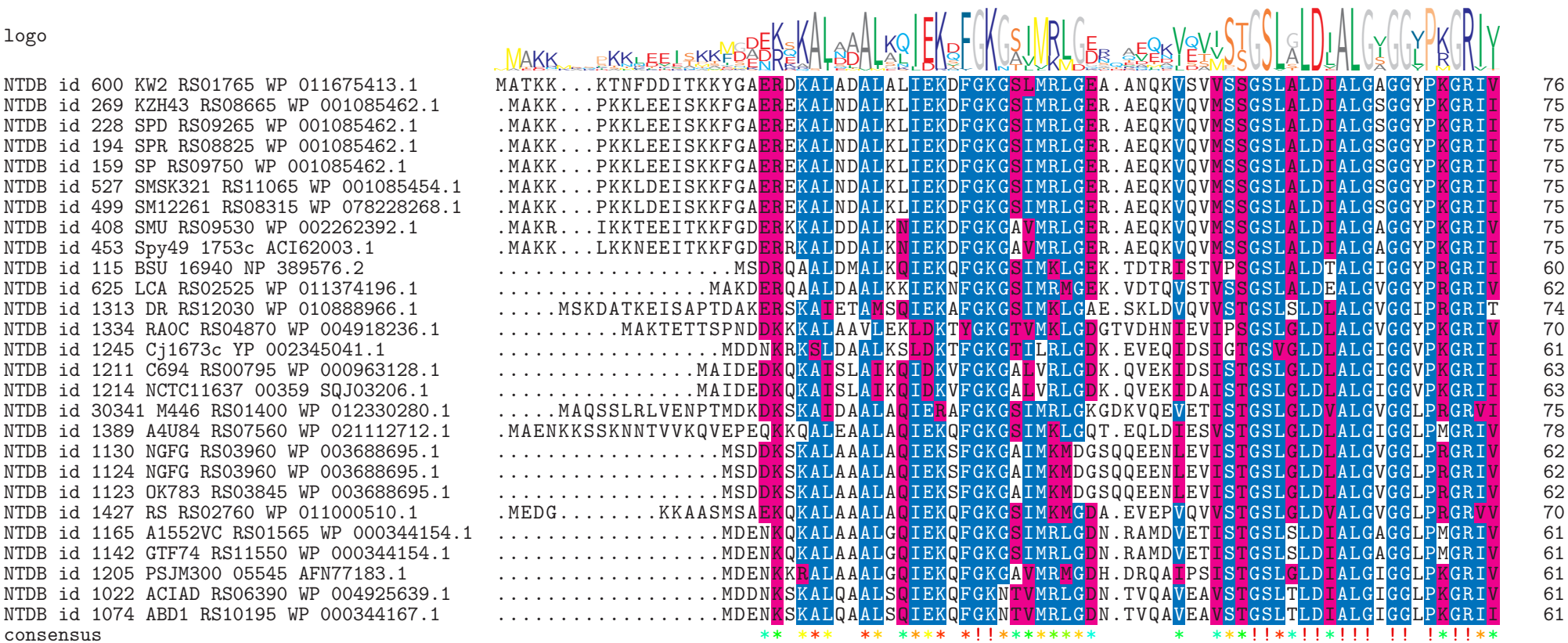
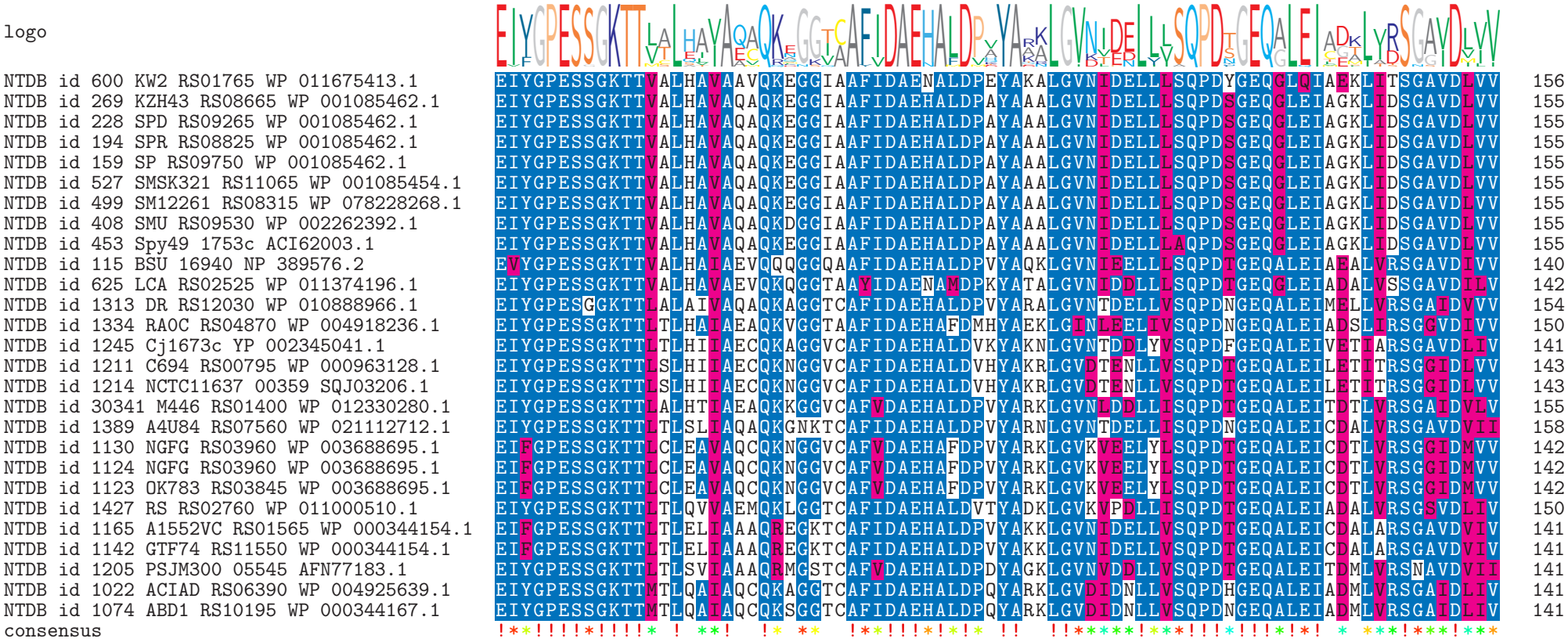
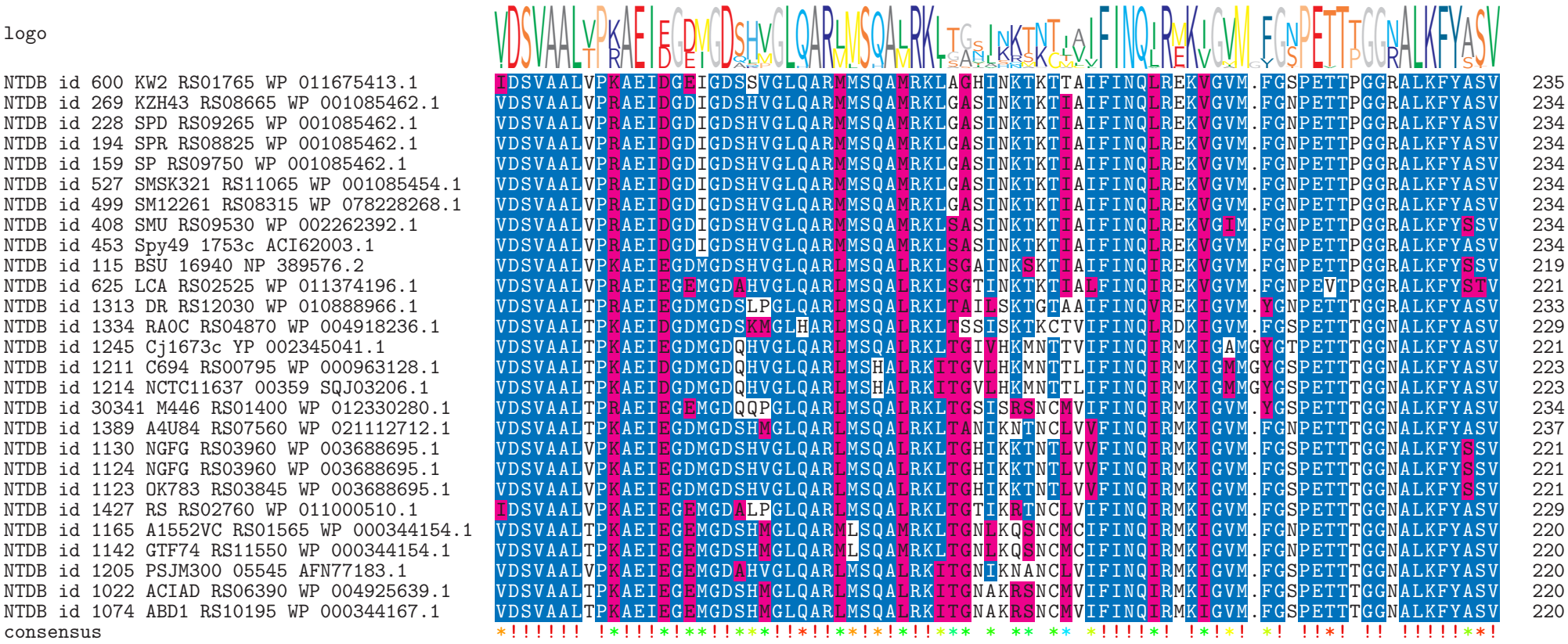
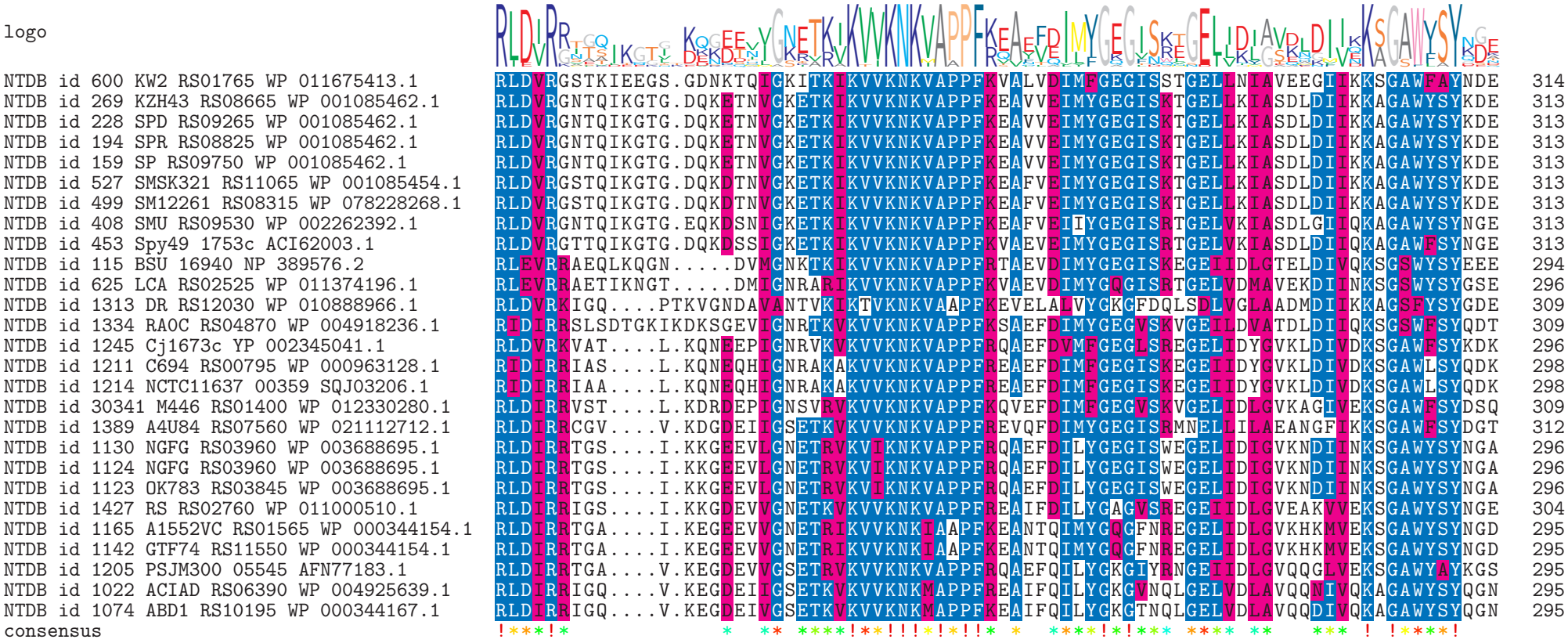
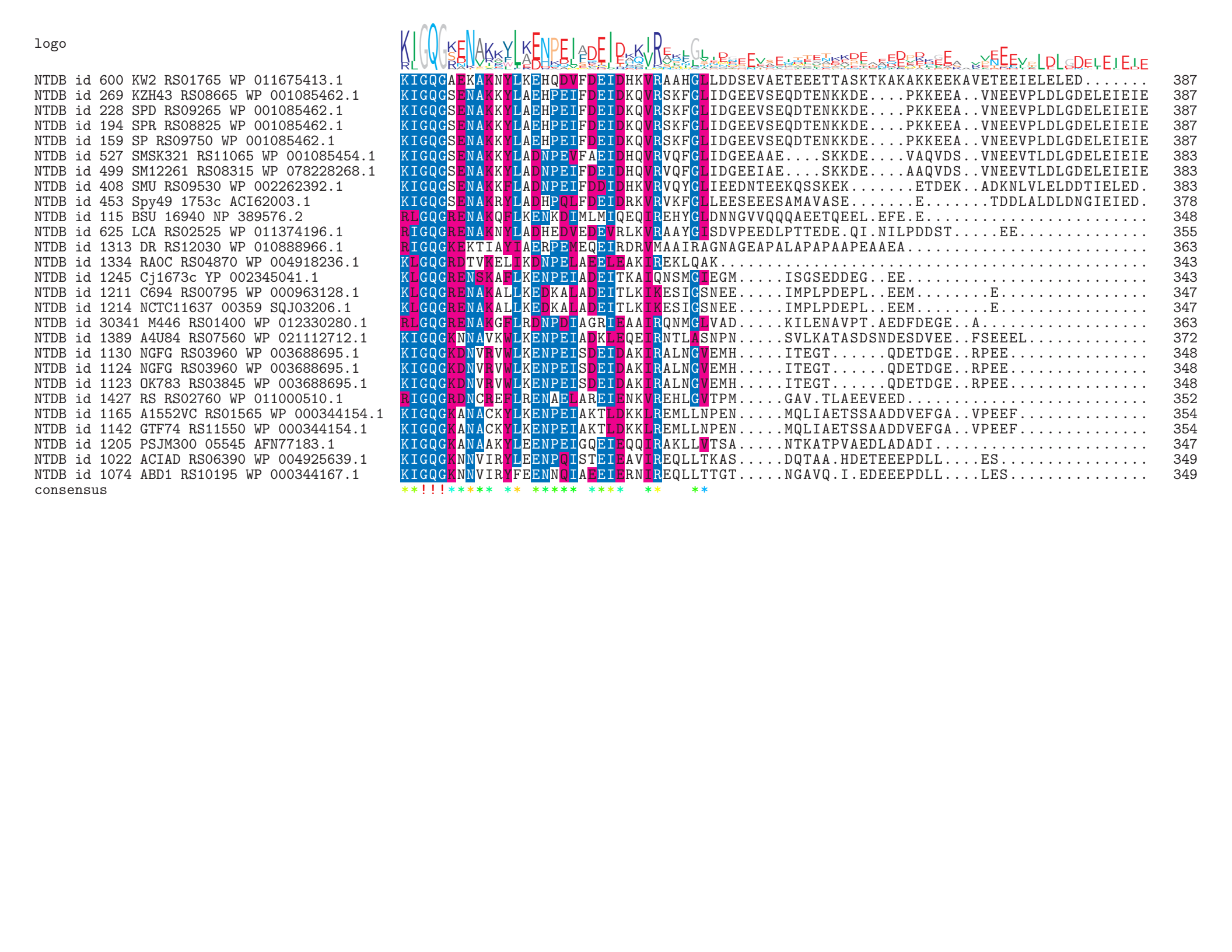

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consensus


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consensus *!!!!!! !*!!!*!**!!***!!*!!**!*!*!!*** * ** ** *!!!!*! !*!*! *! !!*! !! !!!!!**!


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NTDB id 1313 DR RS12030 WP 010888966.1 RLDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKEVELALVYGKGFDQLSDLVGLAADMDIIKKAGSFYSYGDE 309
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consensus


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NTDB id 269 KZH43 RS08665 WP 001085462.1 KIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE 387
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NTDB id 499 SM12261 RS08315 WP 078228268.1 KIGQGSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIEIE 383
NTDB id 408 SMU RS09530 WP 002262392.1 KIGQGSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.......ETDEK..ADKNLVLELDDTIELED. 383
NTDB id 453 Spy49 1753c ACI62003.1 KIGQGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEEESAMAVASE.......E.......TDDLALDLDNGIEIED. 378
NTDB id 115 BSU 16940 NP 389576.2 RLGQGRENAKQFLKENKDIMLMIQEQIREHYGLDNNGVVQQQAEETQEEL.EFE.E..... 348
NTDB id 625 LCA RS02525 WP 011374196.1 RIGQGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDLPTTEDE.QI.NILPDDST.....EE..... 355
NTDB id 1313 DR RS12030 WP 010888966.1 RIGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAAEA..... 363
NTDB id 1334 RA0C RS04870 WP 004918236.1 KLGQGRDTVKELIKDNPELAEELEAKIREKLQAK..... 343
NTDB id 1245 Cj1673c YP 002345041.1 KLGQGRENSKAFLKENPEIADEITKAIQNSMGIEGM.....ISGSEDDEG..EE..... 343
NTDB id 1211 C694 RS00795 WP 000963128.1 KLGQGRENAKALLKEDKALADEITLKIKESIGSNEE.....IMPLPDEPL..EEM........E..... 347
NTDB id 1214 NCTC11637 00359 SQJ03206.1 KLGQGRENAKALLKEDKALADEITLKIKESIGSNEE.....IMPLPDEPL..EEM........E..... 347
NTDB id 30341 M446 RS01400 WP 012330280.1 RLGQGRENAKGFLRDNPDIAGRIEAAIRQNMGLVAD.....KILENAVPT.AEDFDEGE..A..... 363
NTDB id 1389 A4U84 RS07560 WP 021112712.1 KIGQGKNNAVKWLKENPEIADKLEQEIRNTLASNPN.....SVLKATASDSNDESDVEE..FSEEEL..... 372
NTDB id 1130 NGFG RS03960 WP 003688695.1 KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMH.....ITEGT......QDETDGE..RPEE..... 348
NTDB id 1124 NGFG RS03960 WP 003688695.1 KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMH.....ITEGT......QDETDGE..RPEE..... 348
NTDB id 1123 OK783 RS03845 WP 003688695.1 KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMH.....ITEGT......QDETDGE..RPEE..... 348
NTDB id 1427 RS RS02760 WP 011000510.1 RIGQGRDNCREFLRENAELAREIENKVREHLGVTPM.....GAV.TLAEEVEED..... 352
NTDB id 1165 A1552VC RS01565 WP 000344154.1 KIGQGKANACKYLKENPEIAKTLDKKLREMLLNPEN.....MQLIAETSSAADDVEFGA..VPEEF..... 354
NTDB id 1142 GTF74 RS11550 WP 000344154.1 KIGQGKANACKYLKENPEIAKTLDKKLREMLLNPEN.....MQLIAETSSAADDVEFGA..VPEEF..... 354
NTDB id 1205 PSJM300 05545 AFN77183.1 KIGQGKANAAKYLEENPEIGQEIEQQIRAKLLVTSA.....NTKATPVAEDLADADI..... 347
NTDB id 1022 ACIAD RS06390 WP 004925639.1 KIGQGKNNVIRYLEENPQISTEIEAVIREQLLTKAS.....DQTAA.HDETEEEPDLL....ES..... 349
NTDB id 1074 ABD1 RS10195 WP 000344167.1 KIGQGKNNVIRYFEENNQIAEEIERNIREQLLTTGT.....NGAVQ.I.EDEEEPDLL....LES..... 349
consensus

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                                          E
NTDB id 600 KW2 RS01765 WP 011675413.1    .   387
NTDB id 269 KZH43 RS08665 WP 001085462.1  E   388
NTDB id 228 SPD RS09265 WP 001085462.1    E   388
NTDB id 194 SPR RS08825 WP 001085462.1    E   388
NTDB id 159 SP RS09750 WP 001085462.1     E   388
NTDB id 527 SMSK321 RS11065 WP 001085454.1 E  384
NTDB id 499 SM12261 RS08315 WP 078228268.1 E  384
NTDB id 408 SMU RS09530 WP 002262392.1    .   383
NTDB id 453 Spy49 1753c ACI62003.1        .   378
NTDB id 115 BSU 16940 NP 389576.2         .   348
NTDB id 625 LCA RS02525 WP 011374196.1    .   355
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NTDB id 1334 RA0C RS04870 WP 004918236.1  .   343
NTDB id 1245 Cj1673c YP 002345041.1       .   343
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NTDB id 1214 NCTC11637 00359 SQJ03206.1   .   347
NTDB id 30341 M446 RS01400 WP 012330280.1 .   363
NTDB id 1389 A4U84 RS07560 WP 021112712.1 .   372
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NTDB id 1074 ABD1 RS10195 WP 000344167.1  .   349
consensus
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X non conserved
X similar
X ≥ 50% conserved