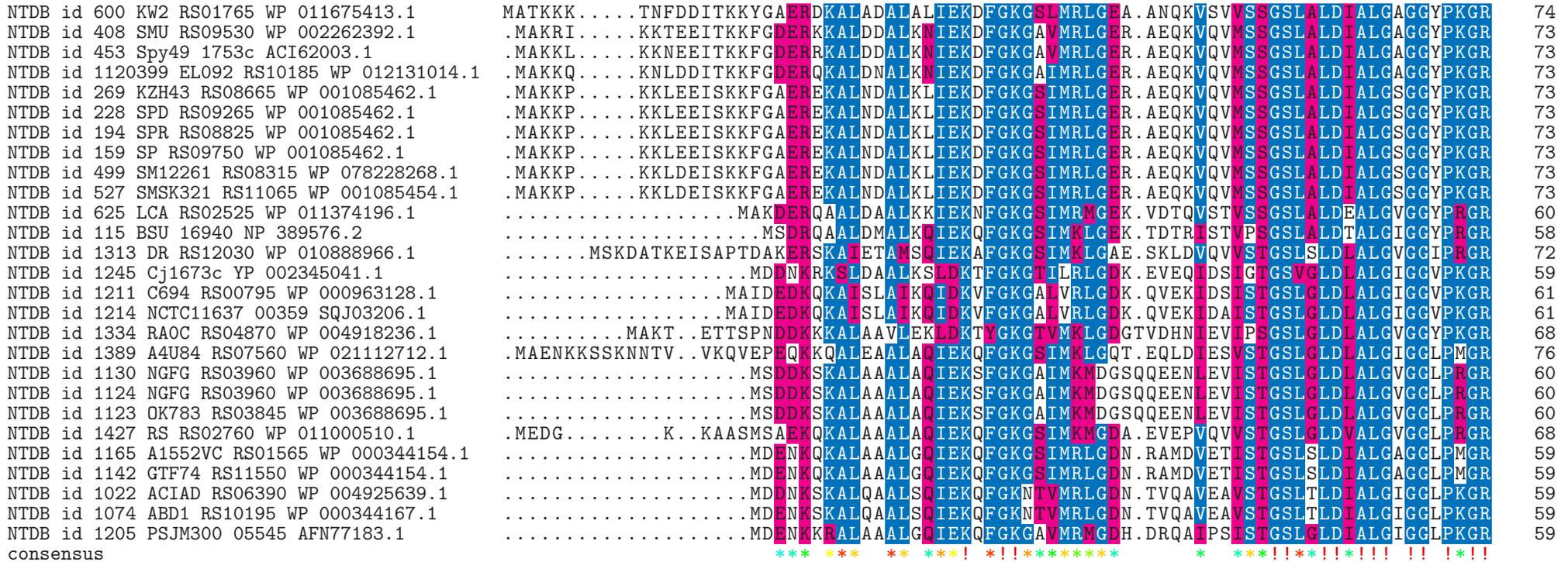


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| NTDB id 600 KW2 RS01765 WP 011675413.1       | DEKIGGQAEKAKNYLKEHQDVFEIDHKVRAAHGILDDSEVAETEETTASKTKAKAKKEEKAVETEIELELED....     | 387 |
| NTDB id 408 SMU RS09530 WP 002262392.1       | GEKIGGQSENAKKFLADNPEIFDDIDHKVVRVQYCIIEEDNTEEKQSSKEKE.....TDEK..ADKNLVLELDDTIELE  | 382 |
| NTDB id 453 Spy49 1753c ACI62003.1           | GEKIGGQSENAKRYLADHPQLFDEIDRKVRVKFGILEESEEEESAMAVASEE.....TDLALDLDNGLIEIE         | 377 |
| NTDB id 1120399 EL092 RS10185 WP 012131014.1 | DEKIGGQSENAKKYLADHPVDFEIDRQVRVRFCLIEDDQEGEATAAETT.....GKITE..NIEVTLLELDDAIEIE    | 382 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1     | DEKIGGQSENAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTEENKKDEP....KKEEA..VNEEVPLDLGDELEIE | 385 |
| NTDB id 228 SPD RS09265 WP 001085462.1       | DEKIGGQSENAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTEENKKDEP....KKEEA..VNEEVPLDLGDELEIE | 385 |
| NTDB id 194 SPR RS08825 WP 001085462.1       | DEKIGGQSENAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTEENKKDEP....KKEEA..VNEEVPLDLGDELEIE | 385 |
| NTDB id 159 SP RS09750 WP 001085462.1        | DEKIGGQSENAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTEENKKDEP....KKEEA..VNEEVPLDLGDELEIE | 385 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1   | DEKIGGQSENAKKYLADNPEIFDEIDHQVRVQFCLIDGEEIAES....KKDEA....AQVDS..VNEEVTLDLGDELEIE | 381 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1   | DEKIGGQSENAKKYLADNPEVFAEIDHQVRVQFCLIDGEEAAES....KKDEV....AQVDS..VNEEVTLDLGDELEIE | 381 |
| NTDB id 625 LCA RS02525 WP 011374196.1       | SERIGGQRENAKNYLADHEDVEDEVRLKVRVAAAYGIVSDVPEEDLPTTEDE.QIN.....ILPDDSTEE..         | 355 |
| NTDB id 115 BSU 16940 NP 389576.2            | EERIGGQRENAKQFLKENKDIIMLMITQEQTREHYCIDNNGVVQQAEETQEELE.....FE.E.....             | 348 |
| NTDB id 1313 DR RS12030 WP 010888966.1       | DERIGGQKEKTIAYIAERPMEQEIRDRVMAATRAGNAGEAPALAPAPAAPEAA.....EA.....                | 363 |
| NTDB id 1245 Cj1673c YP 002345041.1          | DKKIGGQRENSKAEIKENPEIADKLEQEIIRDRVMAATRAGNAGEAPALAPAPAAPEAA.....EA.....          | 343 |
| NTDB id 1211 C694 RS00795 WP 000963128.1     | DKKIGGQRENAKALLKEDKALADEITLKIRESICSNEEI....MPLPDE..PL.....EEME.....              | 347 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1      | DKKIGGQRENAKALLKEDKALADEITLKIRESICSNEEI....MPLPDE..PL.....EEME.....              | 347 |
| NTDB id 1334 RA0C RS04870 WP 004918236.1     | DTKIGGQRDITVKELTKDNPEIAEELAKIREKLQAK.....  | 343 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1    | GTKIGGQKNNVAVKWLKENPEIADKLEQEIIRNTLASNPNS....VLKATASDSN.....DESIVVEEFSEEL...     | 372 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1     | GAKIGGQKDNVRVWLKENPEISDEIDAKTRALNCVEMHI....TEGTQDETDG.....ER.....PEE.....        | 348 |
| NTDB id 1124 NGFG RS03960 WP 003688695.1     | GAKIGGQKDNVRVWLKENPEISDEIDAKTRALNCVEMHI....TEGTQDETDG.....ER.....PEE.....        | 348 |
| NTDB id 1123 OK783 RS03845 WP 003688695.1    | GAKIGGQKDNVRVWLKENPEISDEIDAKTRALNCVEMHI....TEGTQDETDG.....ER.....PEE.....        | 348 |
| NTDB id 1427 RS RS02760 WP 011000510.1       | GERIGGQRDNCREFLRENAEELAREIENKVRREHLGVTPMG....AVTLA.EEVE.....ED.....              | 352 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1  | GDKIGGQKANACKYLLKENPEIAKTLDKKLREMLLNPNEM....QLIAETSSAA.....DDVDFGAVPEEF....      | 354 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1    | GDKIGGQKANACKYLLKENPEIAKTLDKKLREMLLNPNEM....QLIAETSSAA.....DDVDFGAVPEEF....      | 354 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1    | GNKIGGQKNNVIRYLEENPCISTEIEAVIREQLLTKASD....QTAA.HDETE.....EEDLL..ES.....         | 349 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1     | GNKIGGQKNNVIRYFEENPCIAEIEIRNIREQLLTTGTN....GAVQ.I.EDE.....EEDLL..LES.....        | 349 |
| NTDB id 1205 PSJM300 05545 AFN77183.1        | GSKIGGQKANAAKYLLEENPEIQEIEQQIRAKLLVTSAN....TKATPVAEDL.....ADADI.....             | 347 |
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NTDB id 453 Spy49 1753c ACI62003.1 D.. 378  
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consensus

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⊠ non conserved  
⊠ similar  
⊠ ≥ 50% conserved