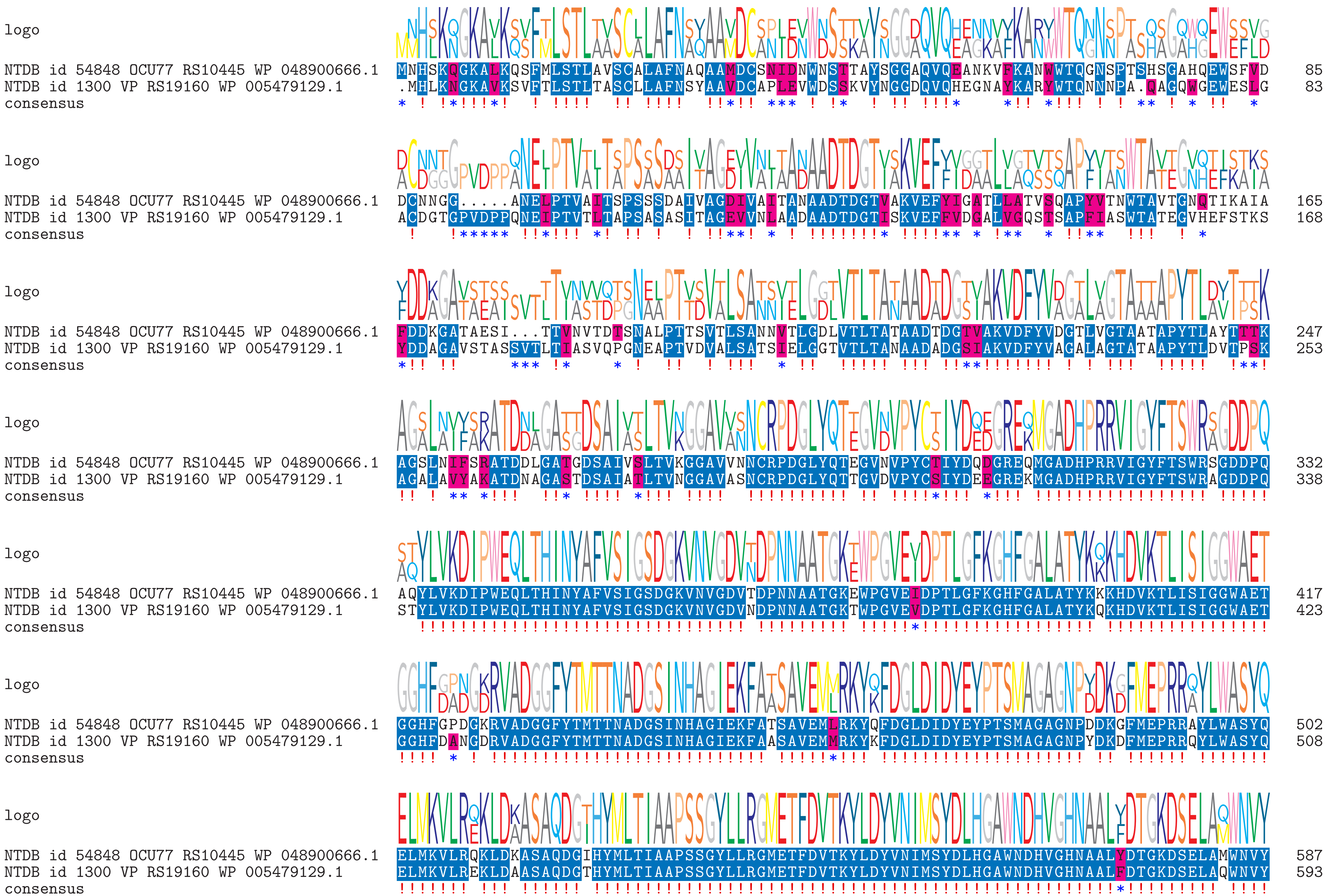
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 MNHSKQGKALKQSFMLSTLAVSCALAFNAQAAMDCSNIDNWNSTTAYSGGAQVQEANKVFKANWWTQGNSPTSHSGAHQEWSFVD 85
NTDB id 1300 VP RS19160 WP 005479129.1 .MHLKNGKAVKSVFTLSTLTASCLLAFNSYAAVDCAPLEVWDSSKVYNGGDQVQHEGNAYKARYWTQNNNPA.QAGQWGEWESLG 83
consensus * ! !*!!!*! ! !!!! !! !!!! !!*!! *** ! !* ! !! !!!*   *!! *!!! ! ! ** ! * !! *
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 DCNNGG.....ANELPTVAITSPSSSDAIVAGDIVAITANAADTDGTVAKVEFYIGATLLATVSQAPYVTNWTAVTGNQTIKAIA 165
NTDB id 1300 VP RS19160 WP 005479129.1 ACDGTGPVDPPQNEIPTVTLTAPSASASITAGEVVNLAADAADTDGTISKVEFFVDGALVGQSTSAPFIASWTATEGVHEFSTKS 168
consensus !   !***** !!*!!! *! !! ! ! !!**! * ! !!!!!!!* !!!!** * !** * !!** !!! ! *
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 FDDKGATAESI...TTVNVTDTSNALPTTSVTLSANNVTLGDLVTLTATAADTDGTVAKVDFYVDGTLVGTAATAPYTLAYTTTK 247
NTDB id 1300 VP RS19160 WP 005479129.1 YDDAGAVSTASSVTLTIASVQPGNEAPTVDVALSATSIELGGTVTLTANAADADGSIAKVDFYVAGALAGTATAAPYTLDVTPSK 253
consensus *!! !!   *** !*   * ! !! ! !!! * !! !!!!! !!! !!**!!!!!!! ! ! !!! !!!!! !**!
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 AGSLNIFSRATDDLGATGDSAIVSLTVKGGAVVNNCRPDGLYQTEGVNVPYCTIYDQDGREQMGADHPRRVIGYFTSWRSGDDPQ 332
NTDB id 1300 VP RS19160 WP 005479129.1 AGALAVYAKATDNAGASTDSAIATLTVNGGAVASNCRPDGLYQTTGVDVPYCSIYDEEGREKMGADHPRRVIGYFTSWRAGDDPQ 338
consensus !! ! ** *!!! !!* !!!! *!!! !!!! !!!!!!!!!! !! !!!!*!!! *!!! !!!!!!!!!!!!!!!!! !!!!!
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 AQYLVKDIPWEQLTHINYAFVSIGSDGKVNVGDVTDPNNAATGKEWPGVEIDPTLGFKGHFGALATYKKKHDVKTLISIGGWAET 417
NTDB id 1300 VP RS19160 WP 005479129.1 STYLVKDIPWEQLTHINYAFVSIGSDGKVNVGDVNDPNNAATGKTWPGVEVDPTLGFKGHFGALATYKQKHDVKTLISIGGWAET 423
consensus   !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!! !!!!!*!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 GGHFGPDGKRVADGGFYTMTTNADGSINHAGIEKFATSAVEMLRKYQFDGLDIDYEYPTSMAGAGNPDDKGFMEPRRAYLWASYQ 502
NTDB id 1300 VP RS19160 WP 005479129.1 GGHFDANGDRVADGGFYTMTTNADGSINHAGIEKFAASAVEMMRKYKFDGLDIDYEYPTSMAGAGNPYDKDFMEPRRQYLWASYQ 508
consensus !!!! * ! !!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!*!!! !!!!!!!!!!!!!!!!!!!! !! !!!!!! !!!!!!!
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 ELMKVLRQKLDKASAQDGIHYMLTIAAPSSGYLLRGMETFDVTKYLDYVNIMSYDLHGAWNDHVGHNAALYDTGKDSELAMWNVY 587
NTDB id 1300 VP RS19160 WP 005479129.1 ELMKVLREKLDAASAQDGTHYMLTIAAPSSGYLLRGMETFDVTKYLDYVNIMSYDLHGAWNDHVGHNAALFDTGKDSELAQWNVY 593
consensus !!!!!!! !!! !!!!!! !!!*!!!!!!!!! !!!!

logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 NTAAYGGIGYLNTDWAYHYFRGSMPAGRINIGVPYYTRGWQGVTGGENGLWGRAALPNQADCAPGTGEGEKNNCGNGALGIDNMW 672
NTDB id 1300 VP RS19160 WP 005479129.1 GTAAYGGIGYLNTDWAYHYFRGSMPAGRINIGVPYYTRGWQGVTGGDNGLWGRAALPNQAECQPGTGEGEKNNCGNGAIGIDNMW 678
consensus
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 HDLNSAGNEMGAGSNPMWHAMNLAQGIYGTYTAAYGLDPVNDPQDKLVGSYARHYDNVAVAPWLWNAEKKVFLSTEDKDSINVKA 757
NTDB id 1300 VP RS19160 WP 005479129.1 HDLDPQGREMGAGSNPMWHAKNLEKGIWGSYAQAYGLDPVNDPSDKLVGTYTRNYDSVAVAPWLWNAEKGVFLSTEDKASIEVKA 763
consensus
logo
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NTDB id 1300 VP RS19160 WP 005479129.1 DYVIDKEIGGIMFWELAGDYNCYVLDANGNRTAIDATEQACAAGNGEYHMGNTMTKAIYDKFKSATPYGNKVATGPTPTEAVDIT 848
consensus
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 ISVGGFKVGDQNYPINPKITFTNNTGHALPGGTEFQFDIPTSAPDNAKDQSGGGLKVIASGHTQANNIGGLTGEMHRVAFTLPSW 927
NTDB id 1300 VP RS19160 WP 005479129.1 VSVGGFKVGDQNYPINPKITFTNNTGQAIPGGTEFQFDIPVSAPDNAKDQSGGGLKVIASGHTRANNIGGLDGVMHRVSFSLPAW 933
consensus
logo
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NTDB id 1300 VP RS19160 WP 005479129.1 KDLPAGGTYELDMVYYLPISGPANYSVISGGKEFAFKFEQPDLPIGDLNAGTGG...GGTTEPGSCDTAGLVTYPNLPQTDWAGN 1015
consensus
logo
NTDB id 54848 OCU77 RS10445 WP 048900666.1 PSHANQGDKIVHNGIVYQANWWTSAIPGSDGSWATVCSVK 1052
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consensus
X non conserved
X similar
X ≥ 50% conserved