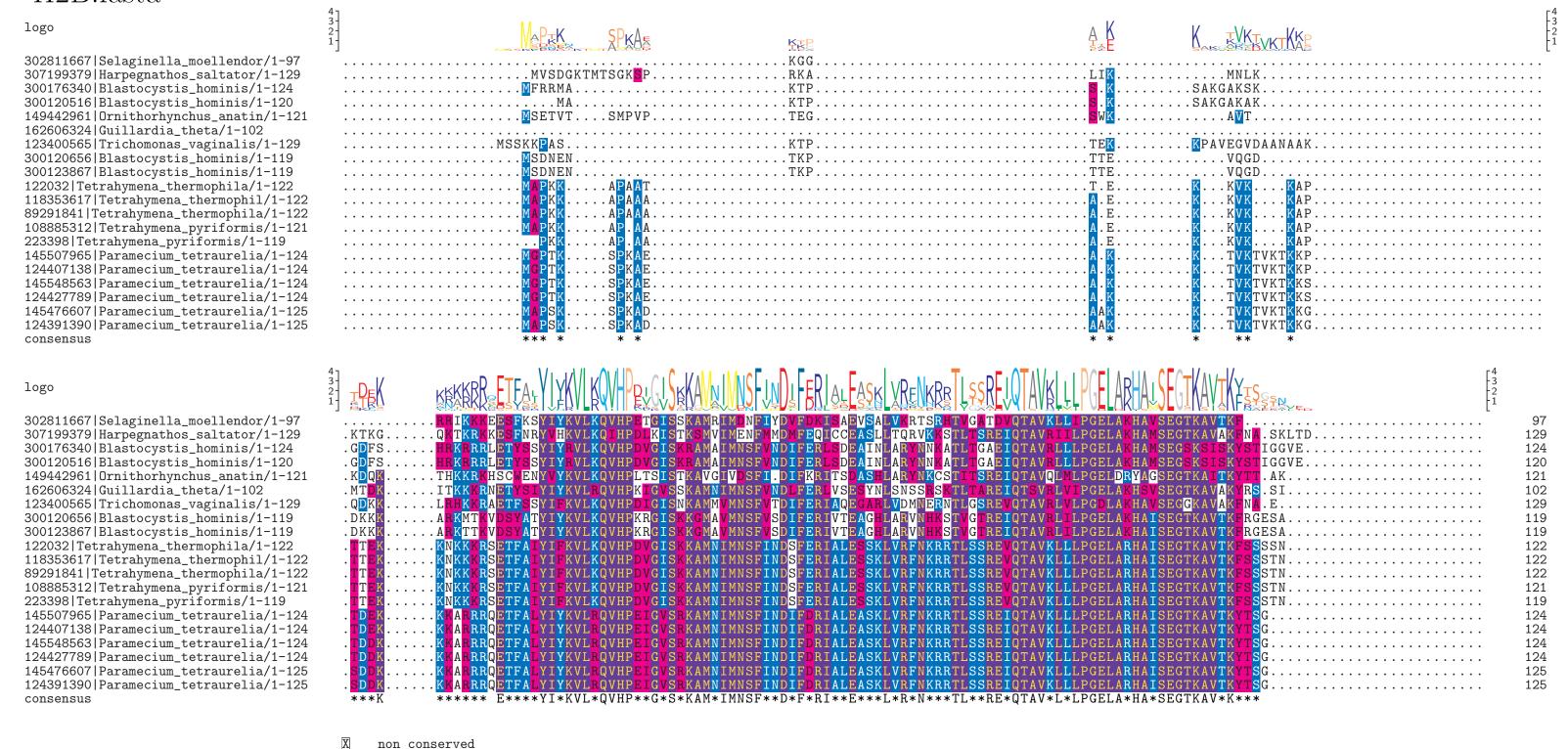
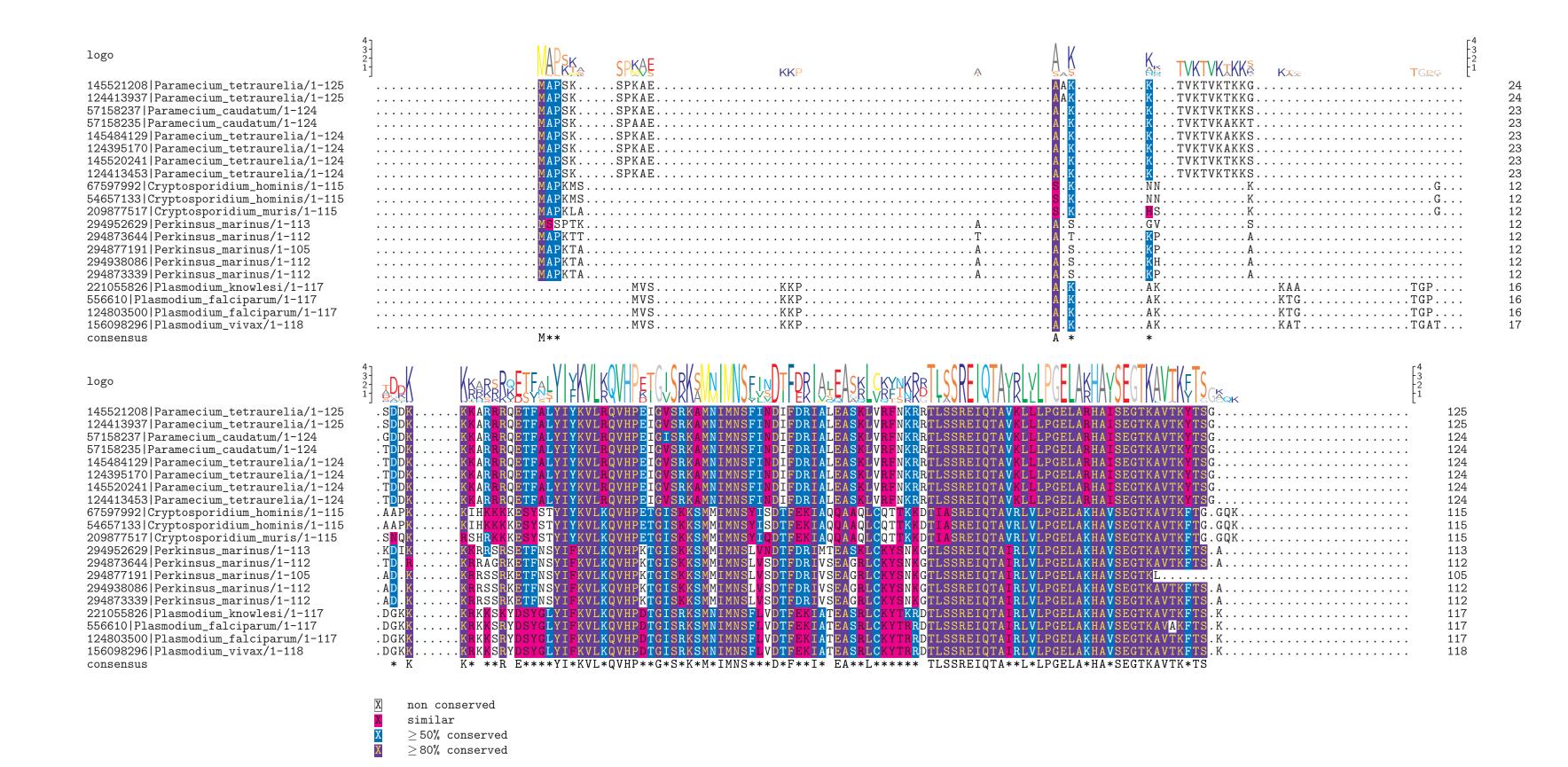
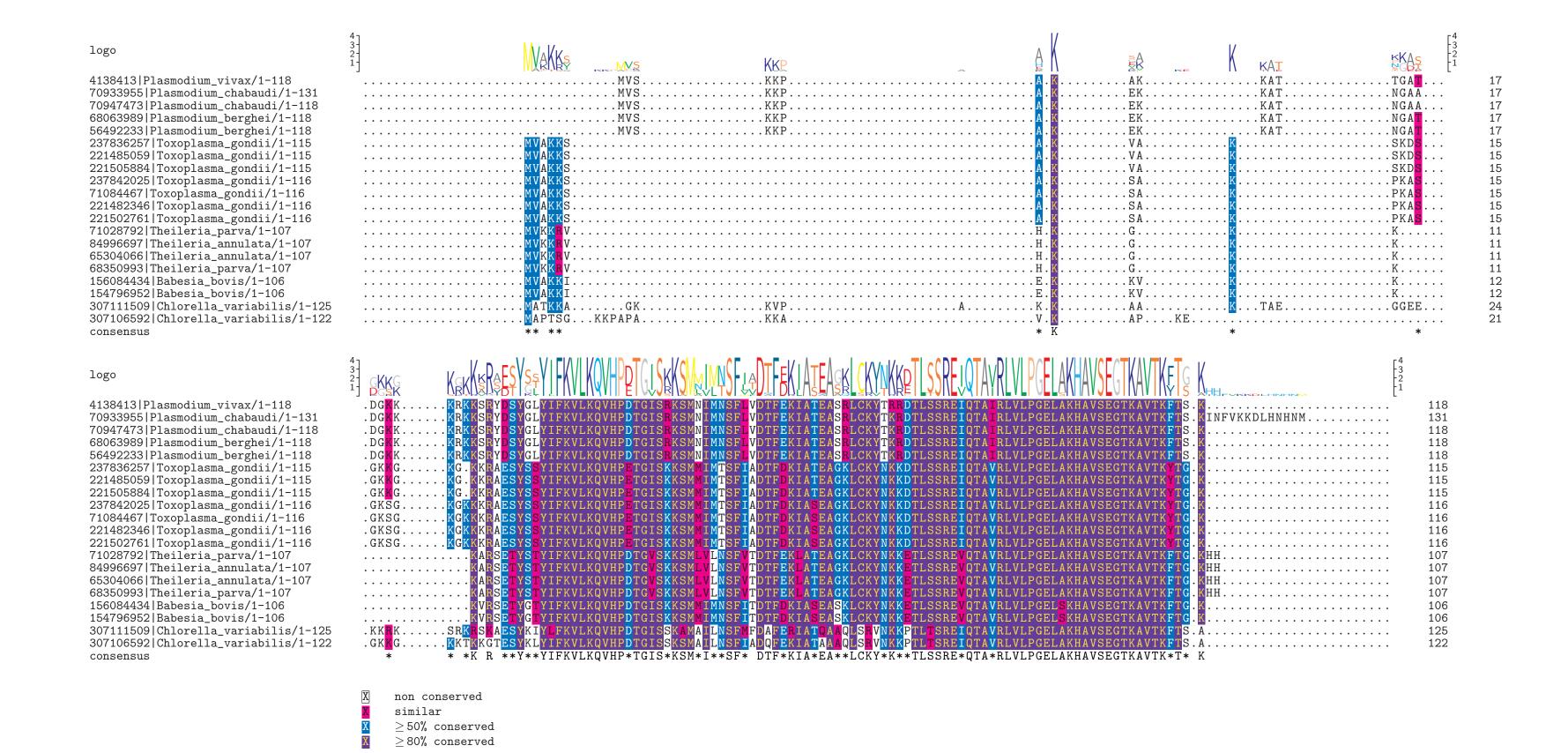
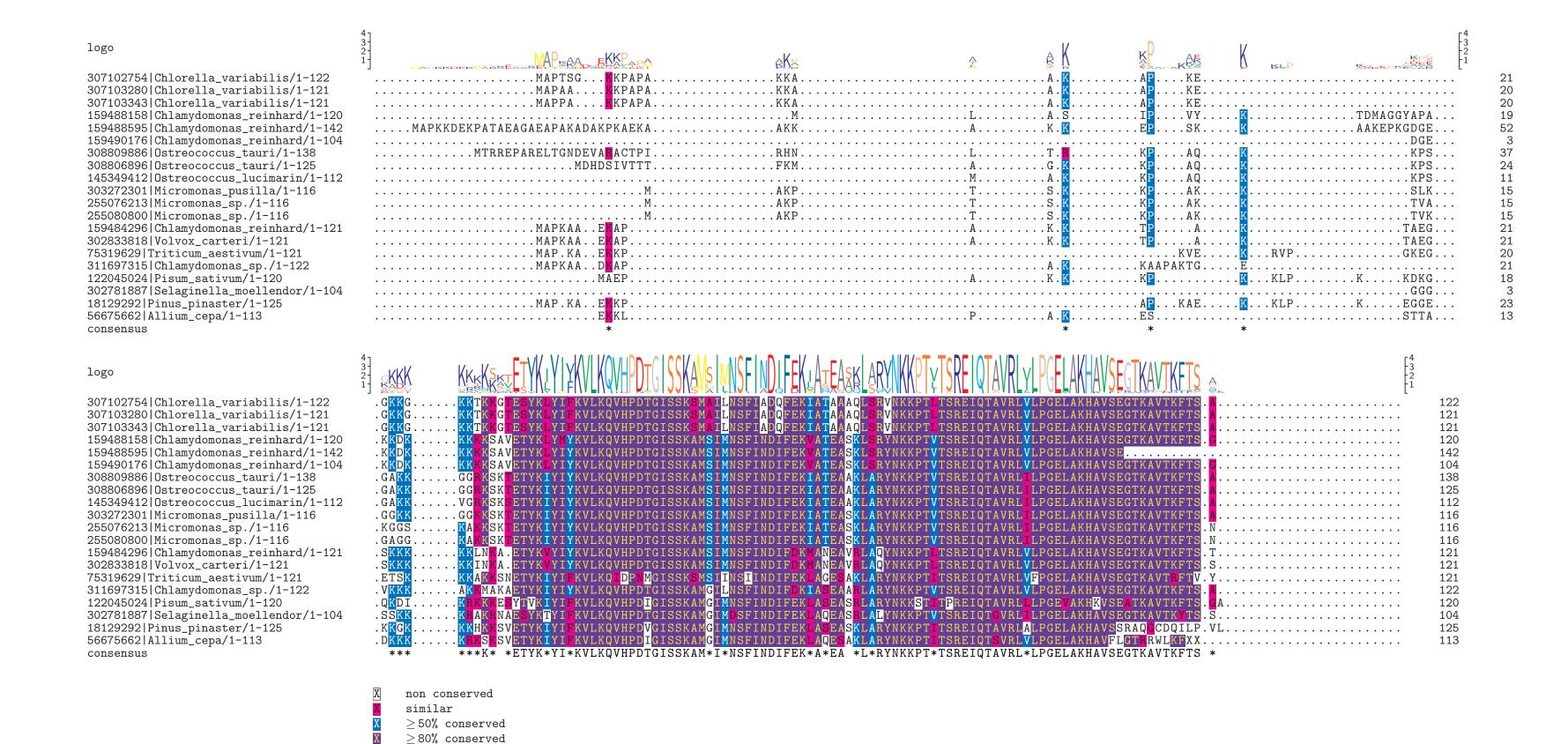
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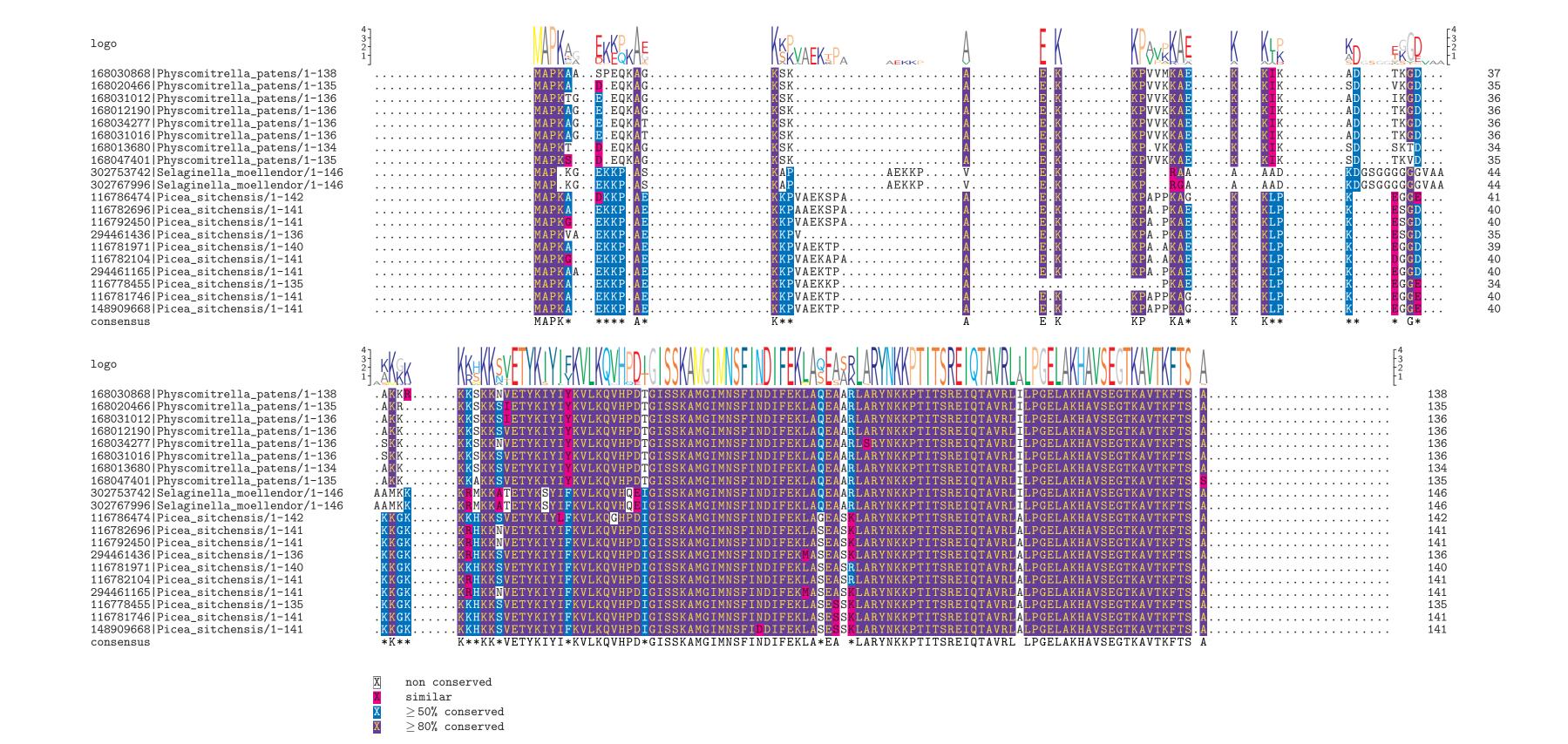


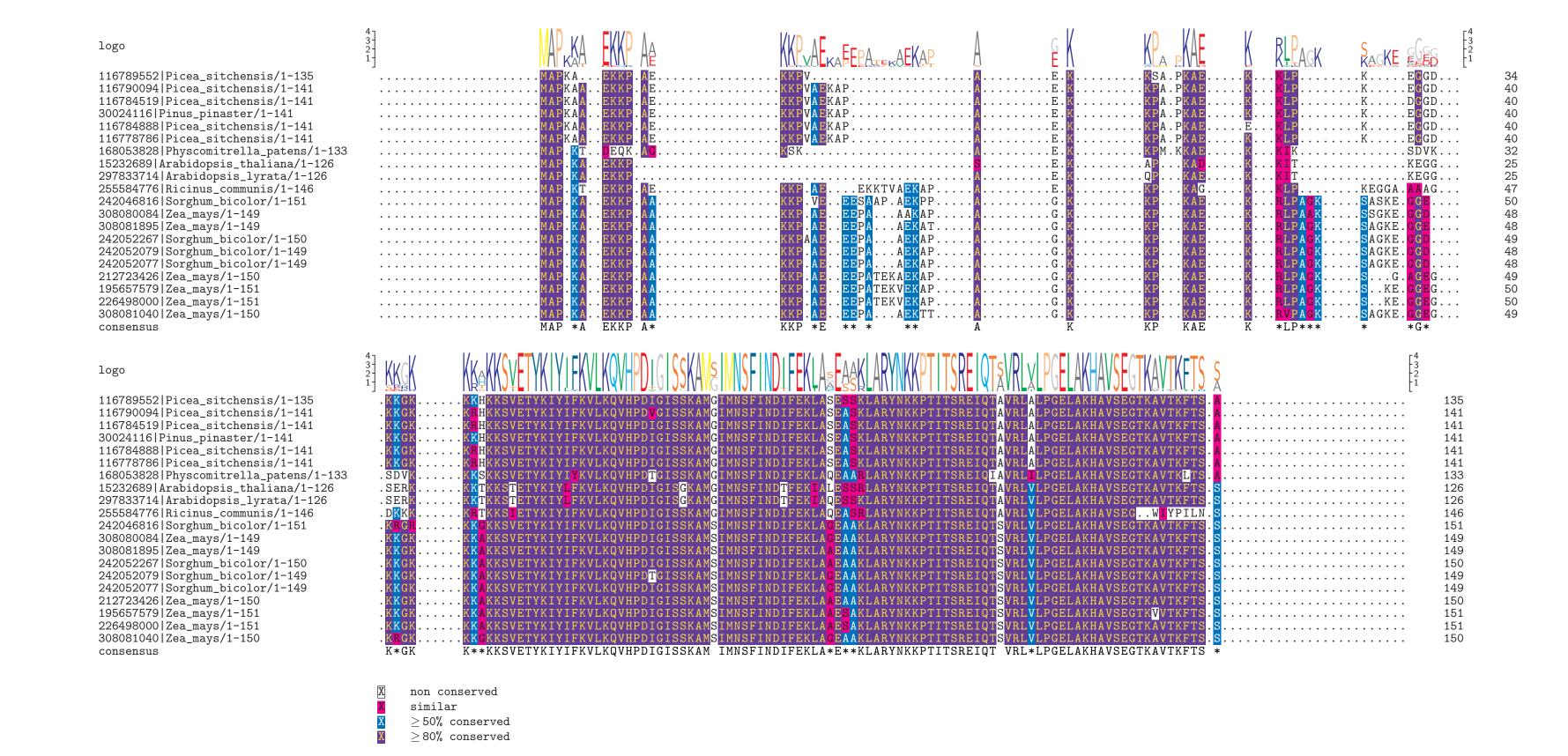
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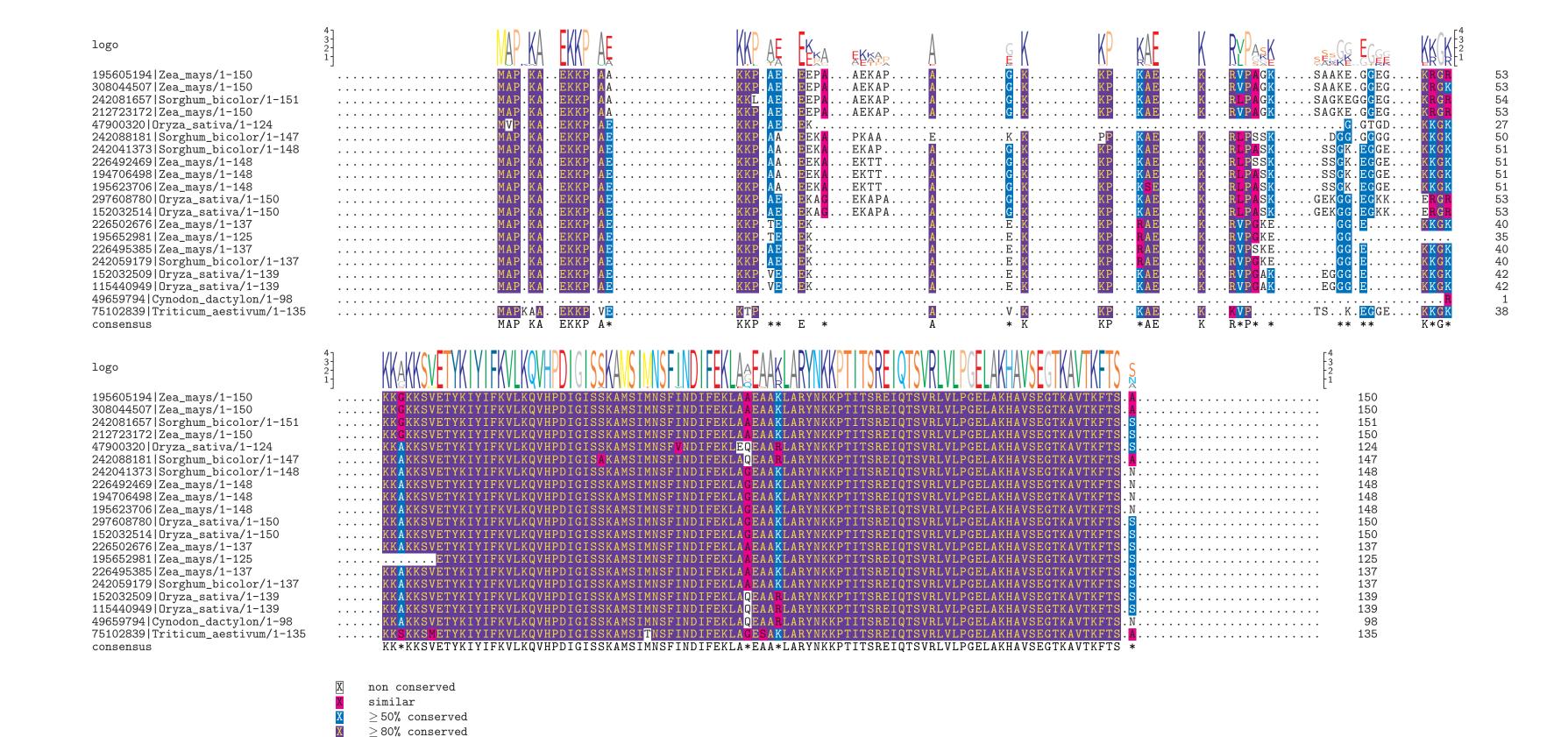
≥50% conserved ≥80% conserved 











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logo

302809334|Selaginella_moellendor/1-141 7387729|Nicotiana_tabacum/1-146 297843566 | Arabidopsis_lyrata/1-149 15223016 | Arabidopsis_thaliana/1-148 21617908|Arabidopsis_thaliana/1-148 297812435|Arabidopsis_lyrata/1-145 288187170|Cloning_vector/1-146 1617013|Arabidopsis_thaliana/1-145 110736103 | Arabidopsis_thaliana/1-145 15237148 | Arabidopsis_thaliana/1-145 122044864|Triticum_aestivum/1-150 75102841|Triticum_aestivum/1-138 15231854|Arabidopsis_thaliana/1-138 297816672|Arabidopsis_lyrata/1-97 81074705|Solanum_tuberosum/1-143 75102840|Triticum_aestivum/1-136 15231304|Arabidopsis_thaliana/1-150 297819124 | Arabidopsis_lyrata/1-150 15231313 Arabidopsis_thaliana/1-145 297819136|Arabidopsis_lyrata/1-145 consensus



AAEKPVEENKAAEKAP AAERPVEENKAAEKAP

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non conserved

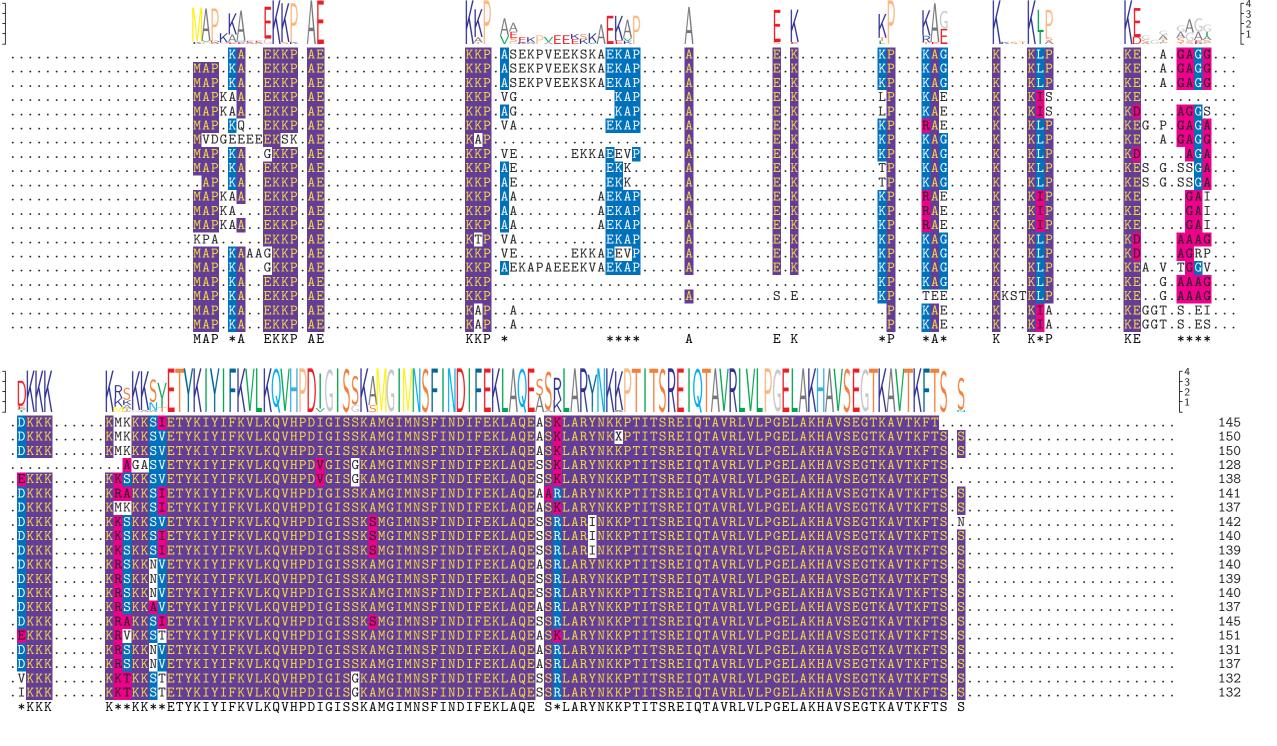
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 \geq 50% conserved \geq 80% conserved

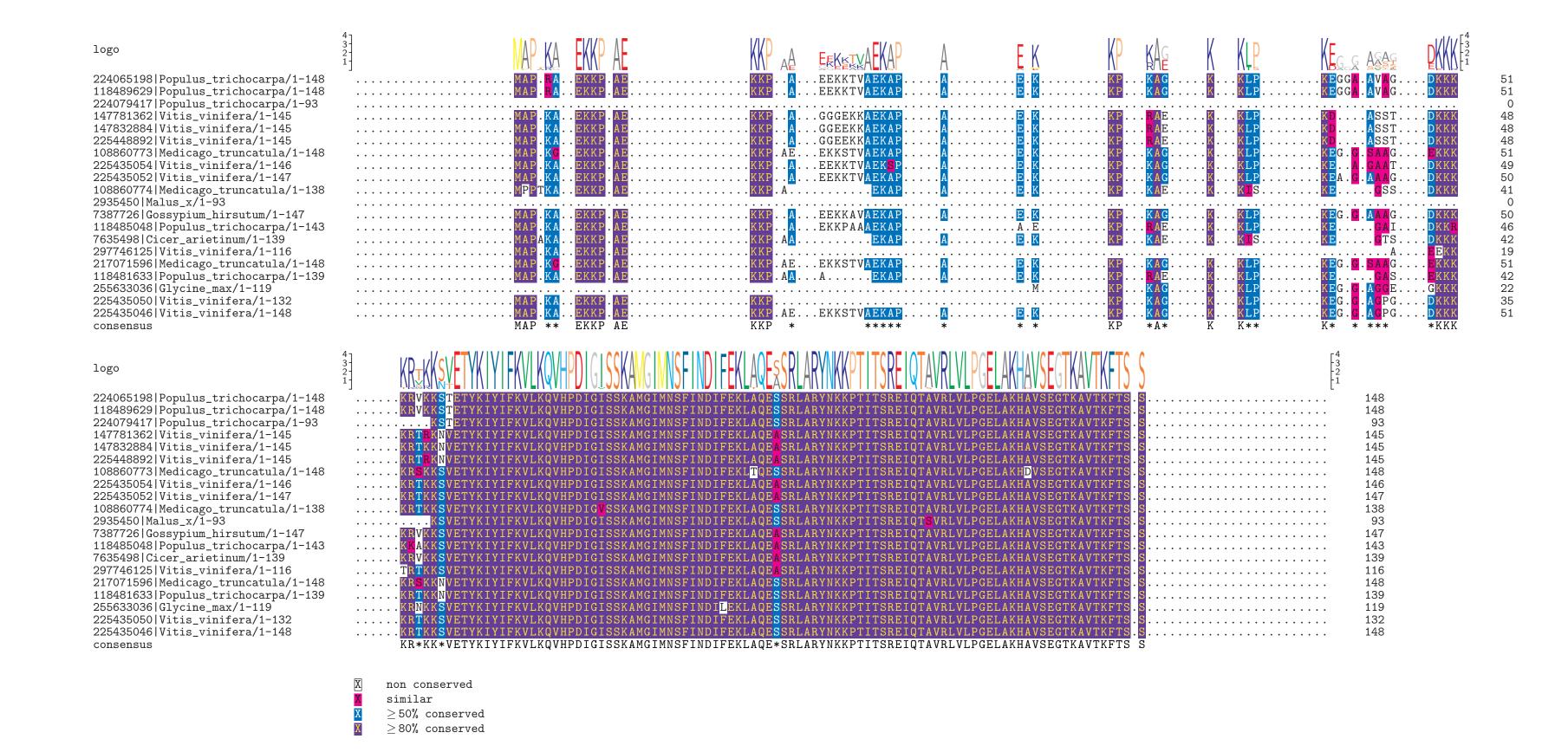
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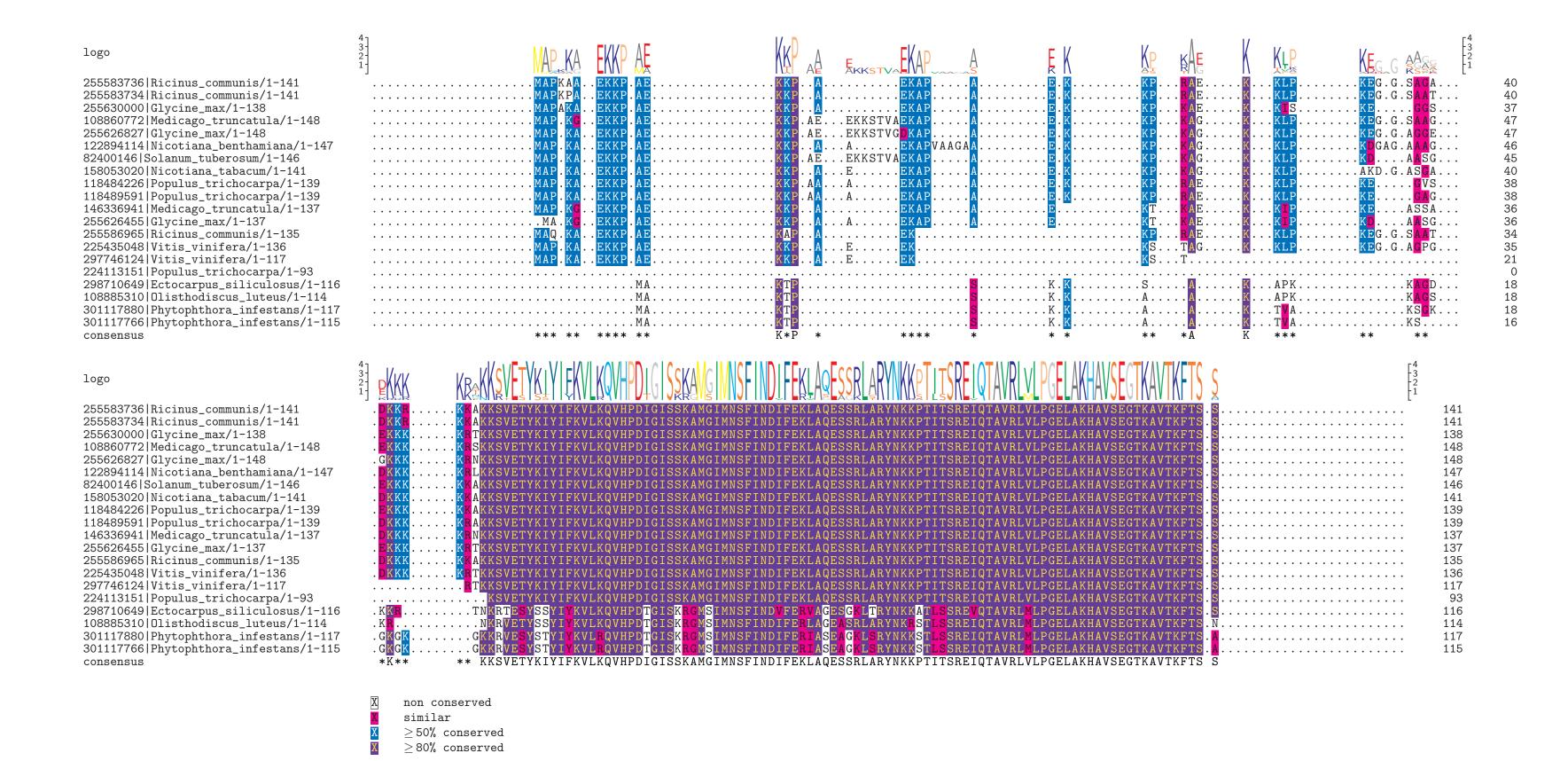
logo

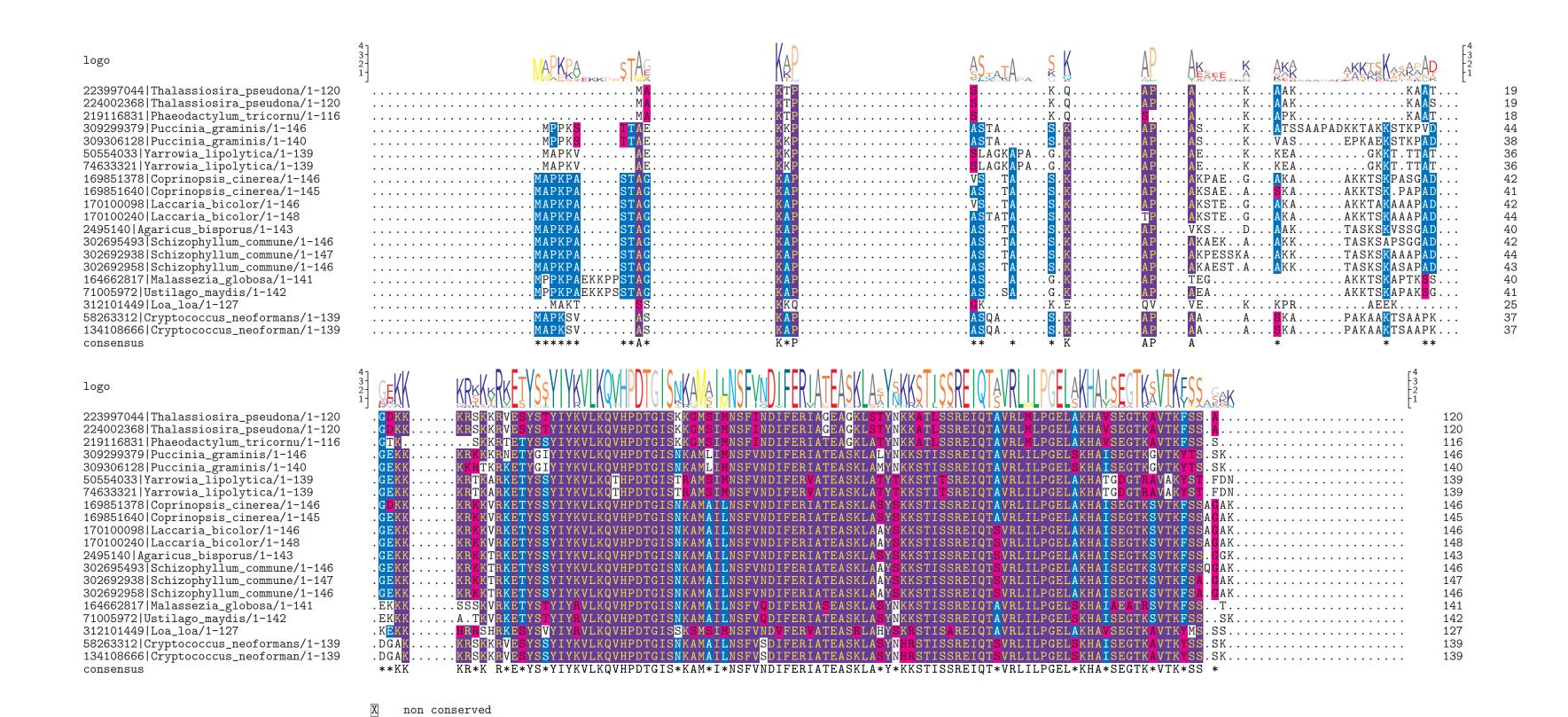
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 $fordsymbol{X}$ non conserved similar $fordsymbol{X}$ $\geq 50\%$ conserved $fordsymbol{X}$ $\geq 80\%$ conserved







similar

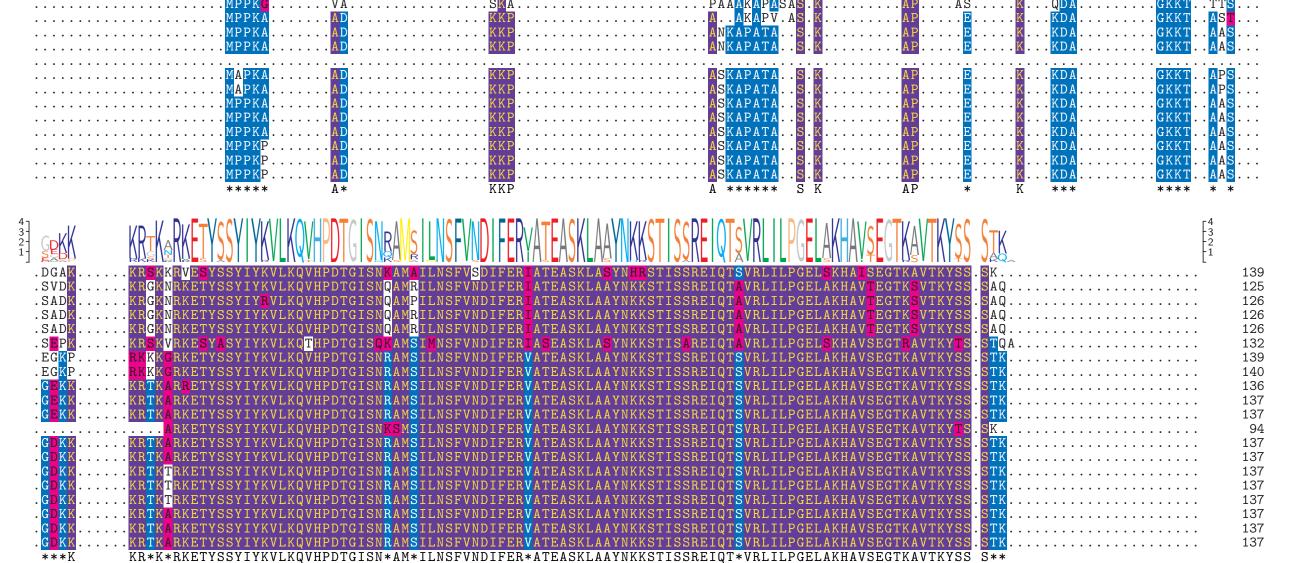
 \geq 50% conserved \geq 80% conserved



74687206|Filobasidiella_neoforma/1-139 213408585|Schizosaccharomyces_ja/1-125 173405|Schizosaccharomyces_pombe/1-126 19075681|Schizosaccharomyces_pom/1-126 12231003|Schizosaccharomyces_pom/1-126 254568442|Pichia_pastoris/1-132 156042326|Sclerotinia_sclerotior/1-139 154300256|Botryotinia_fuckeliana/1-140 51701481 | Rosellinia_necatrix/1-136 189091764 | Podospora_anserina/1-137 74620191 | Podospora_anserina/1-137 225473 | Neurospora_crassa/1-94 116179676 | Chaetomium_globosum/1-137 110279006 | Chaetomium_globosum/1-137 39942996 | Magnaporthe_oryzae/1-137 302404233 | Verticillium_albo-atru/1-137 74588282|Magnaporthe_grisea/1-137 85092522|Neurospora_crassa/1-137 30316334|Neurospora_crassa/1-137 289613853|Sordaria_macrospora/1-137 consensus

logo

74687206|Filobasidiella_neoforma/1-139 213408585|Schizosaccharomyces_ja/1-125 173405|Schizosaccharomyces_pombe/1-126 19075681|Schizosaccharomyces_pom/1-126 12231003|Schizosaccharomyces_pom/1-126 254568442|Pichia_pastoris/1-132 156042326|Sclerotinia_sclerotior/1-139 154300256|Botryotinia_fuckeliana/1-140 51701481|Rosellinia_necatrix/1-136 189091764 | Podospora_anserina/1-137 74620191 | Podospora_anserina/1-137 225473 | Neurospora_crassa/1-94 116179676|Chaetomium_globosum/1-137 110279006|Chaetomium_globosum/1-137 39942996 | Magnaporthe_oryzae/1-137 302404233|Verticillium_albo-atru/1-137 74588282|Magnaporthe_grisea/1-137 85092522|Neurospora_crassa/1-137 30316334|Neurospora_crassa/1-137 289613853|Sordaria_macrospora/1-137



.

. . . A G

. . . . AG

.K...VP $\overline{K}...$ DTMK...

.KPT.....

..APR.....DTMK......

.APR......DTMK.....

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34 34

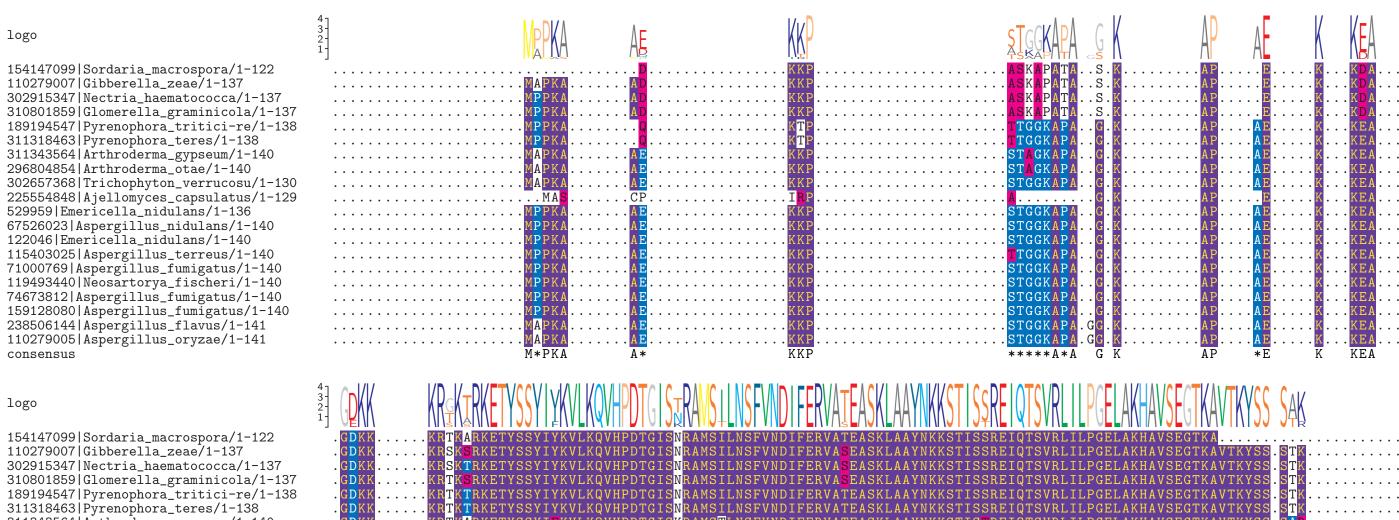
34

non conserved

similar

 \geq 50% conserved \geq 80% conserved

 $\dots \dots MAP\overline{K}\dots\dots$





AAAAT

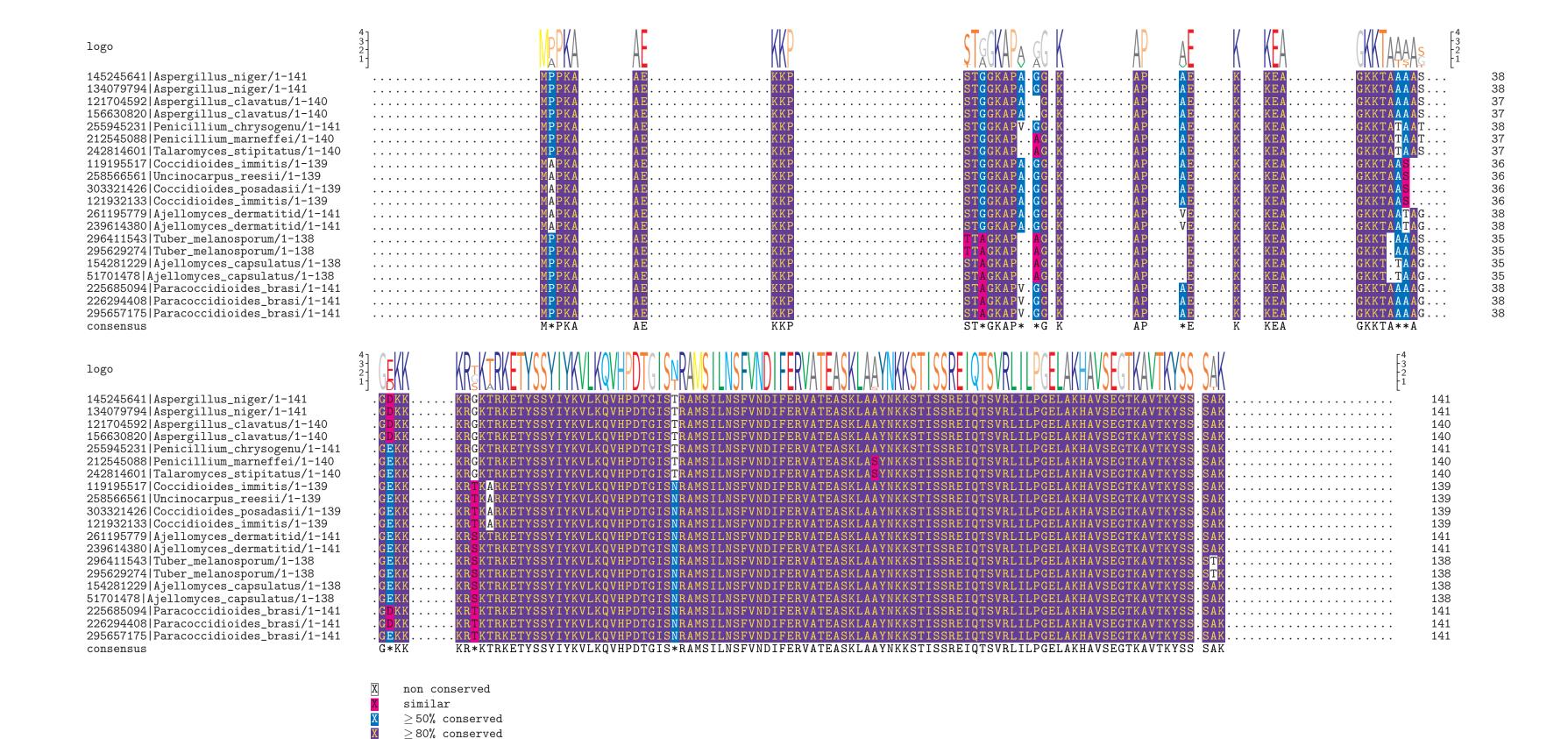
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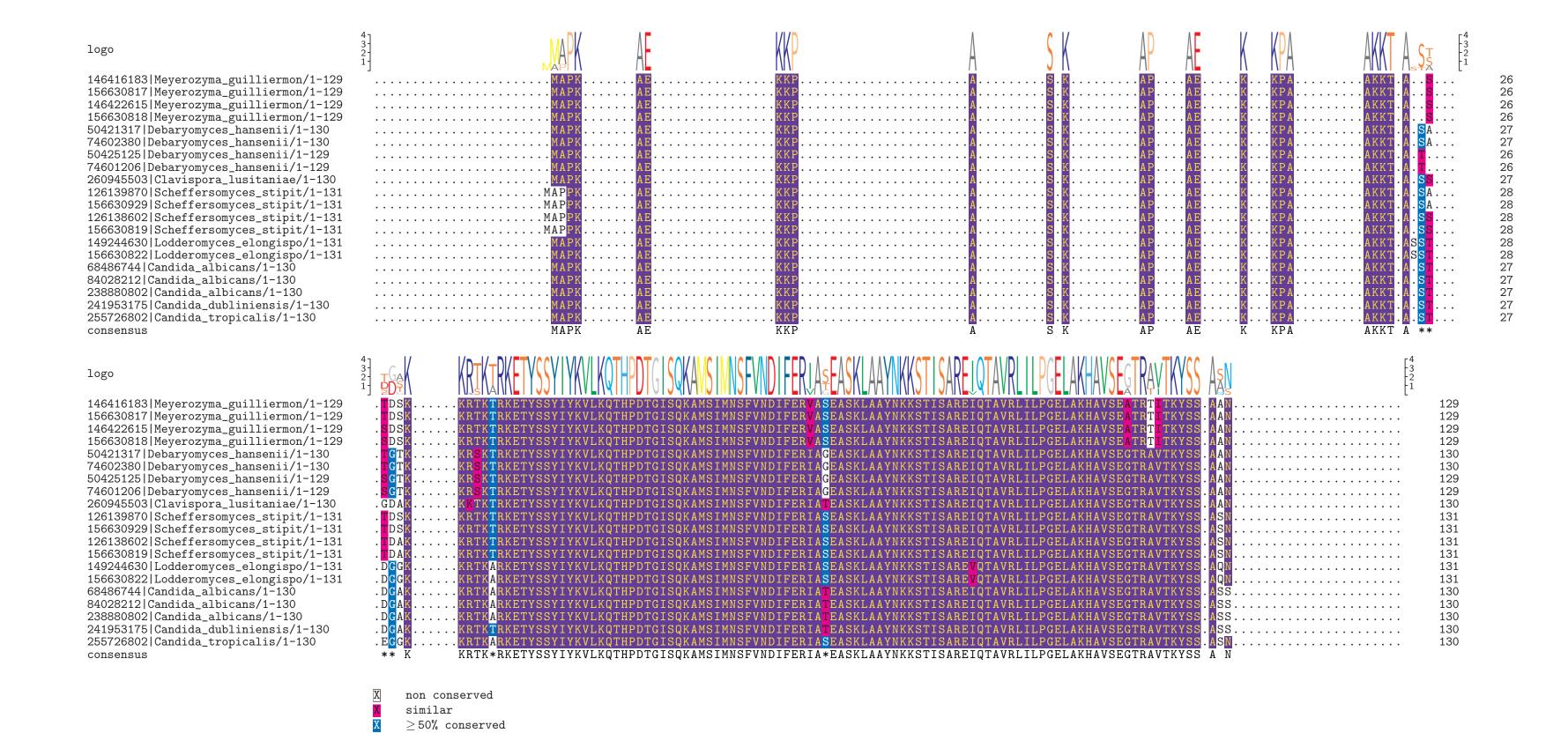
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KTAAAA

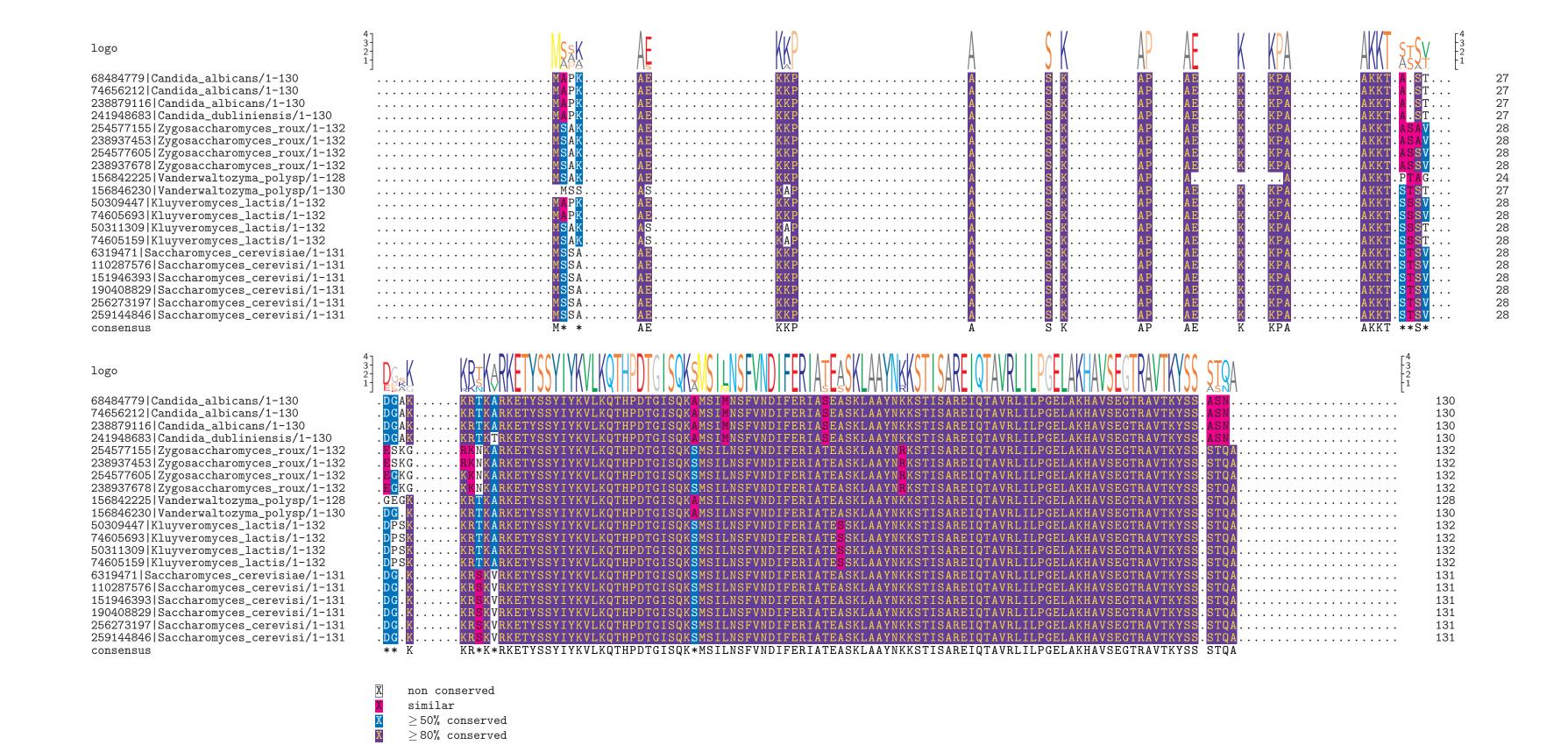
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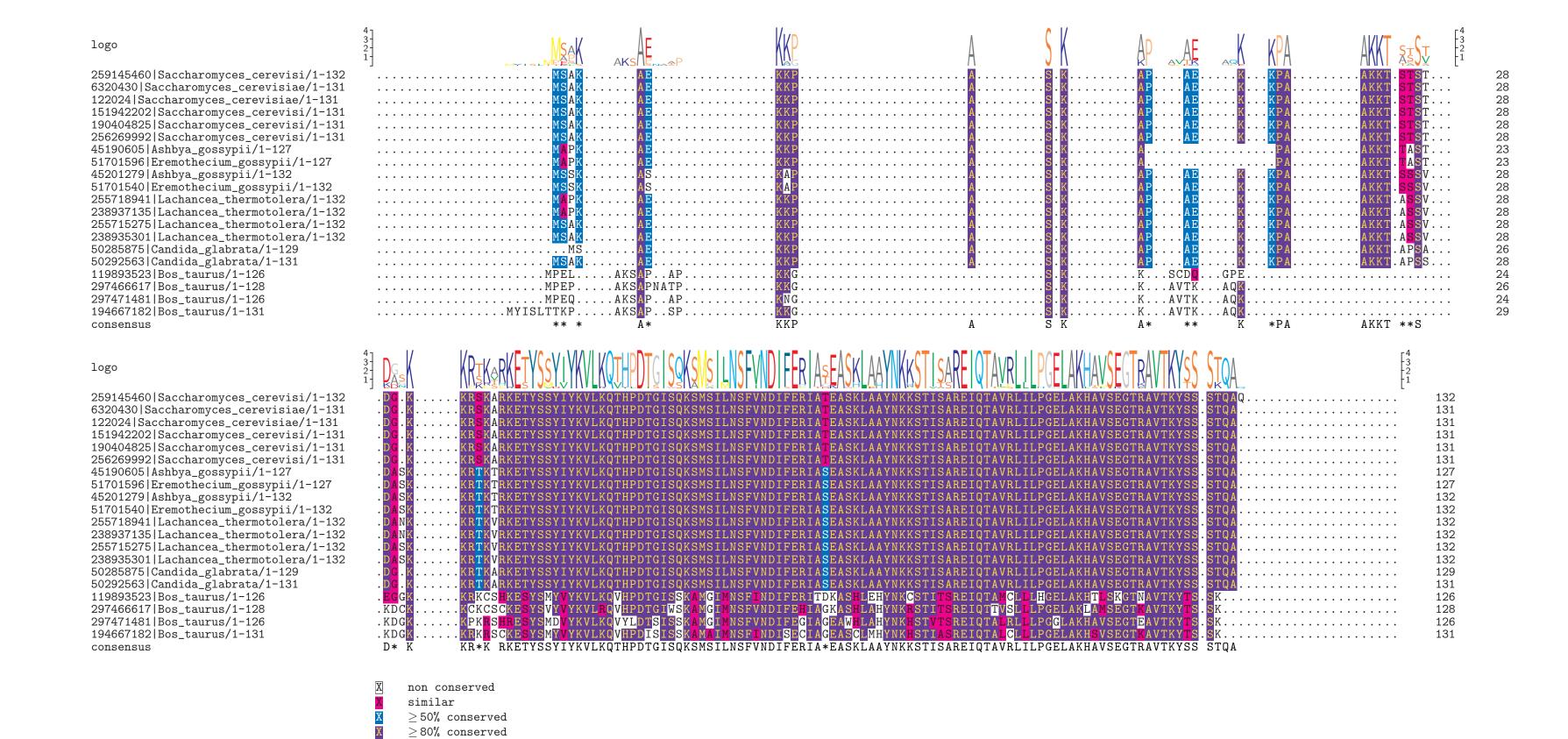
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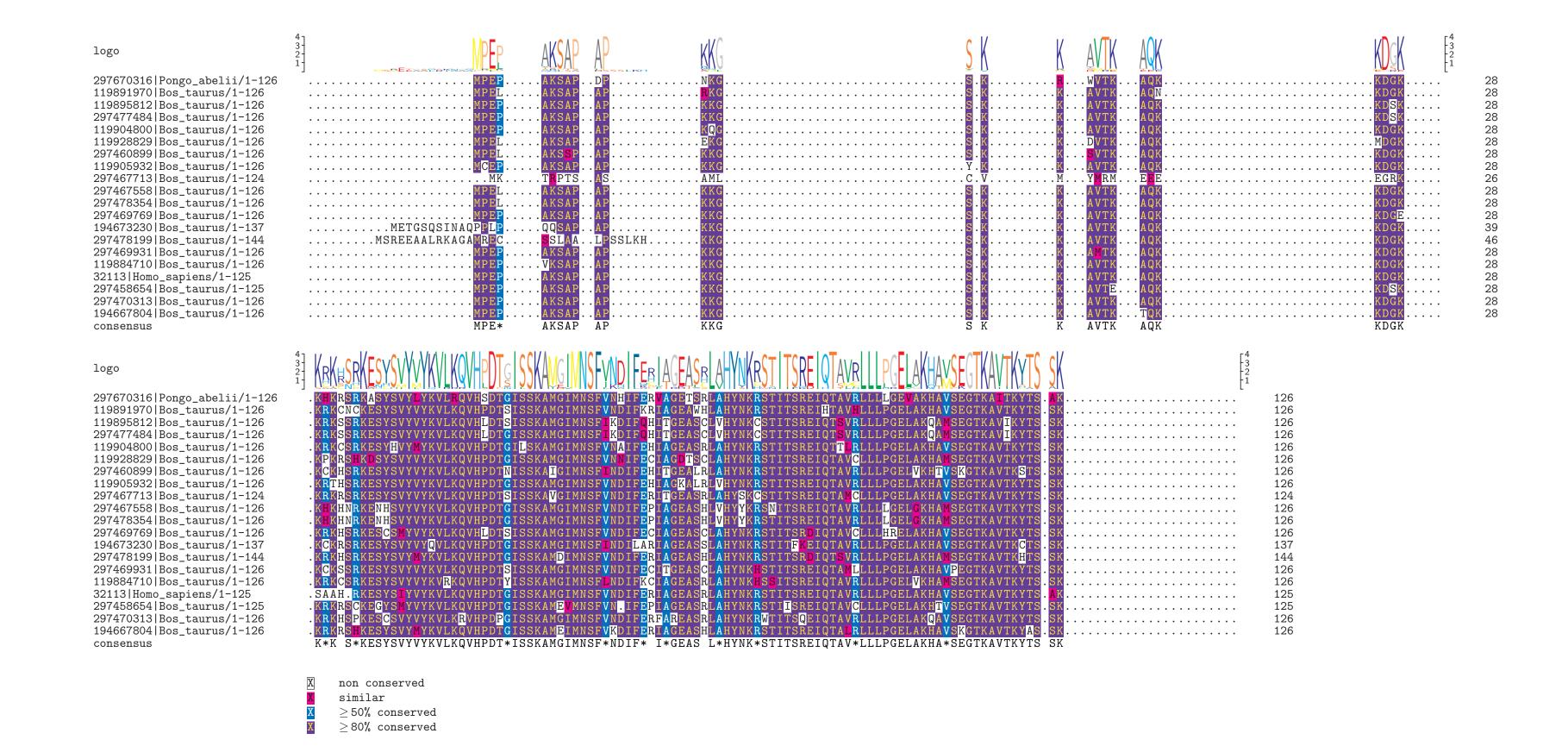


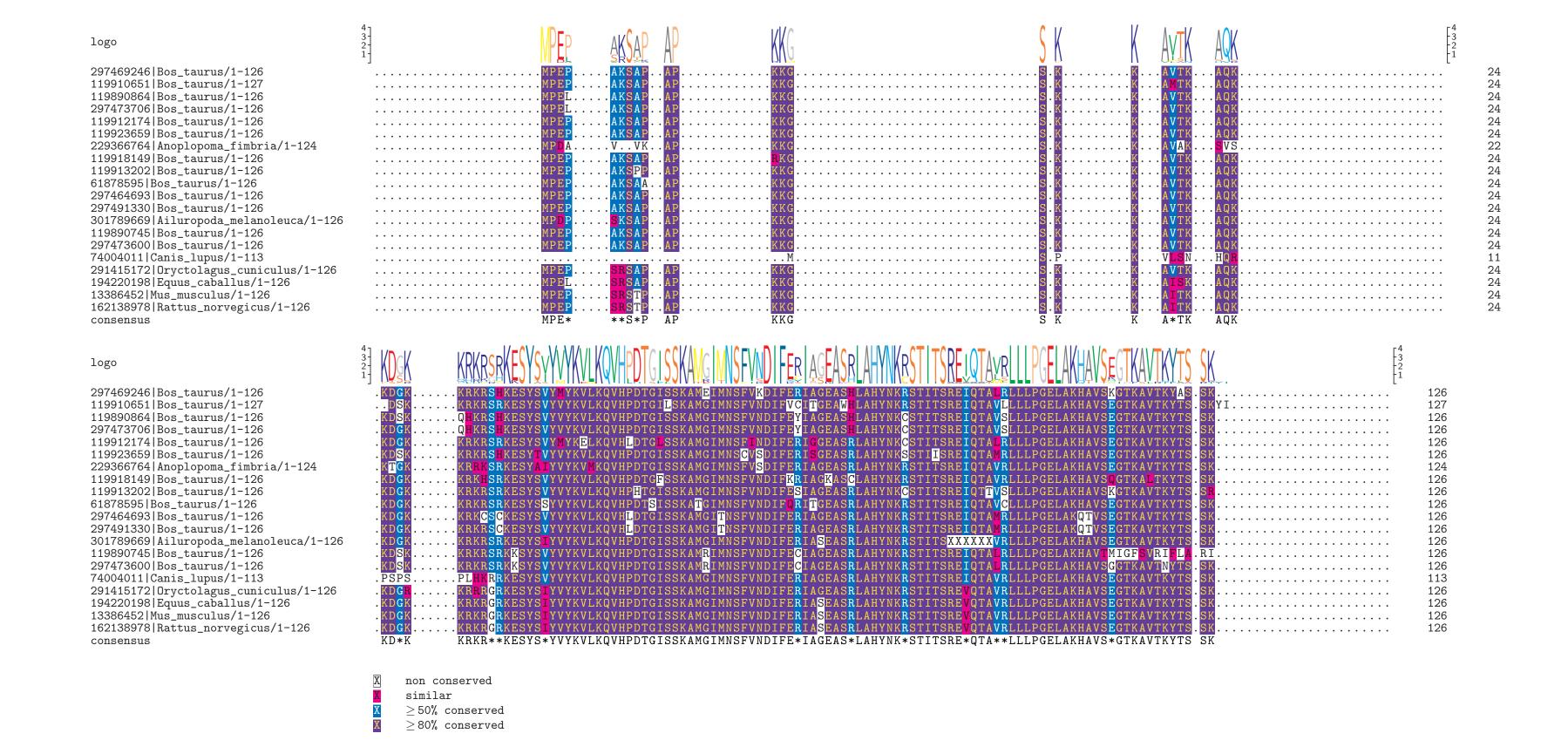


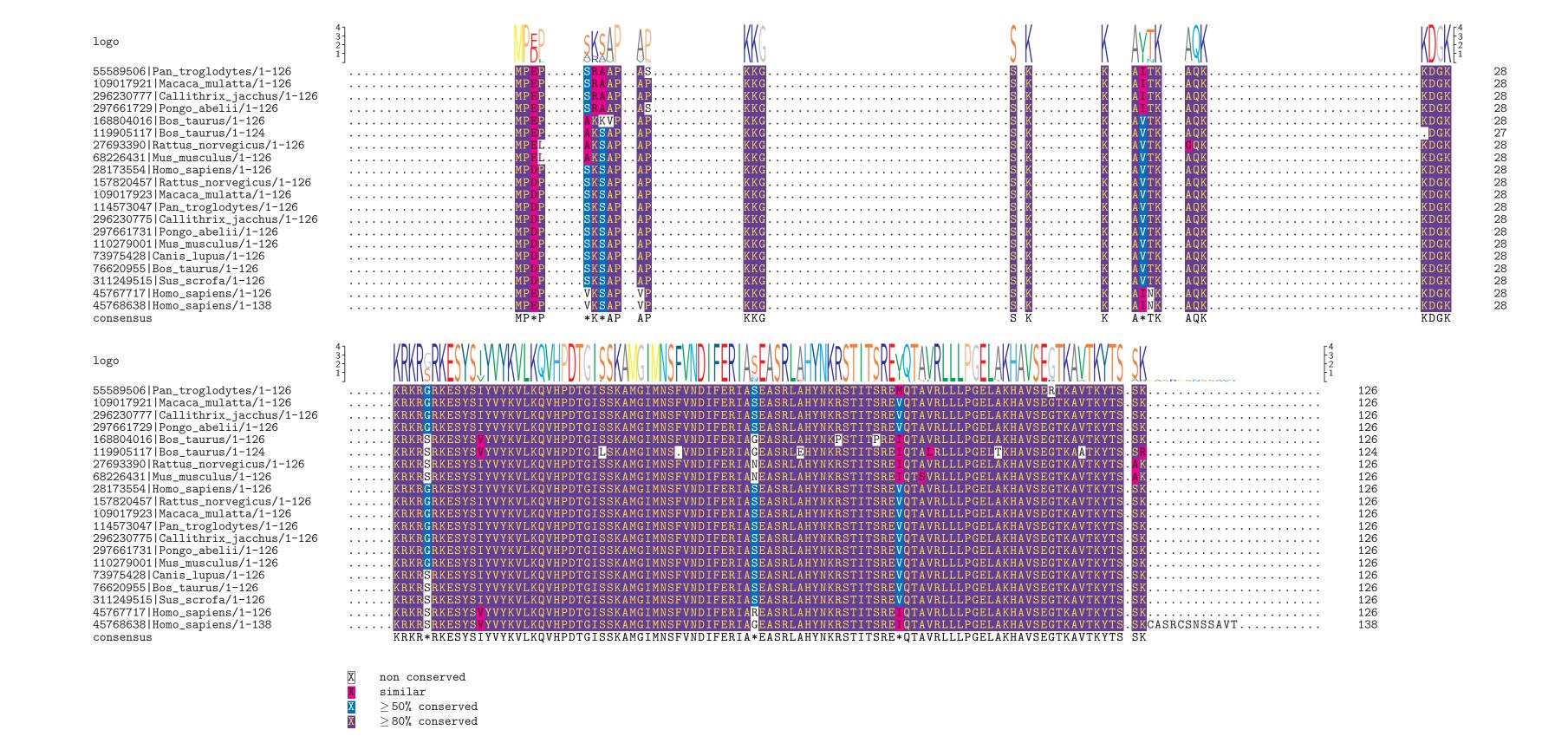
≥80% conserved

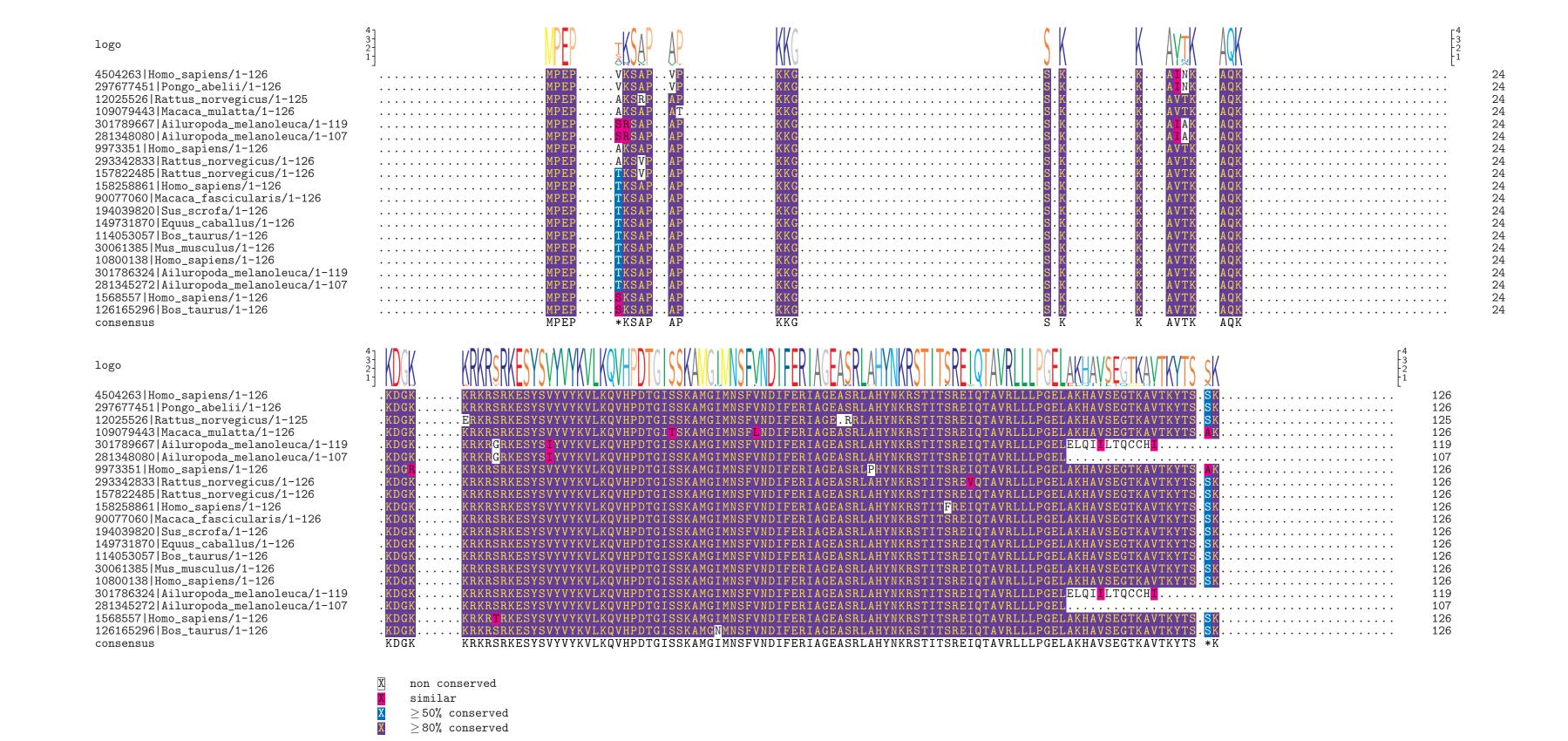


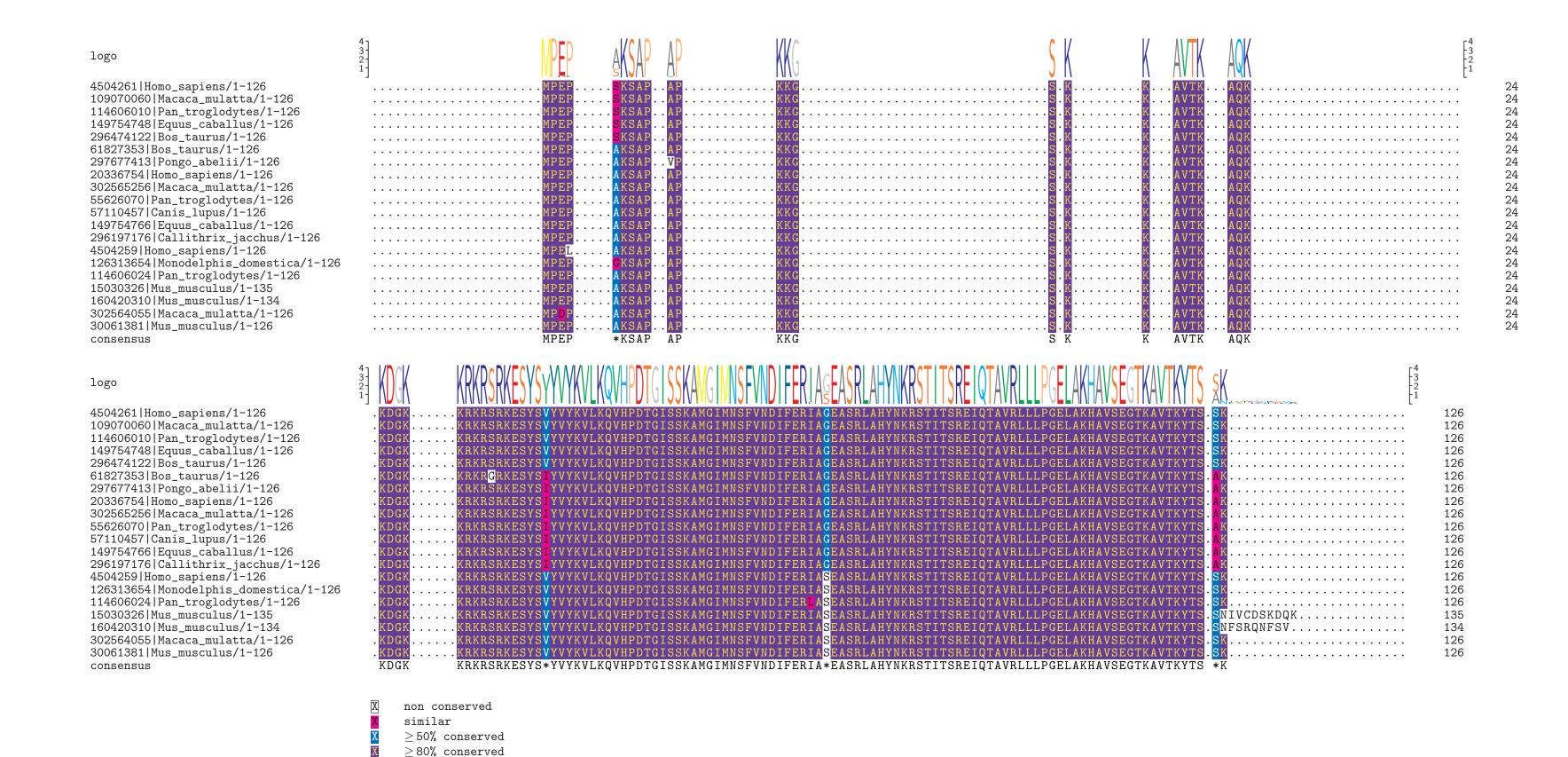


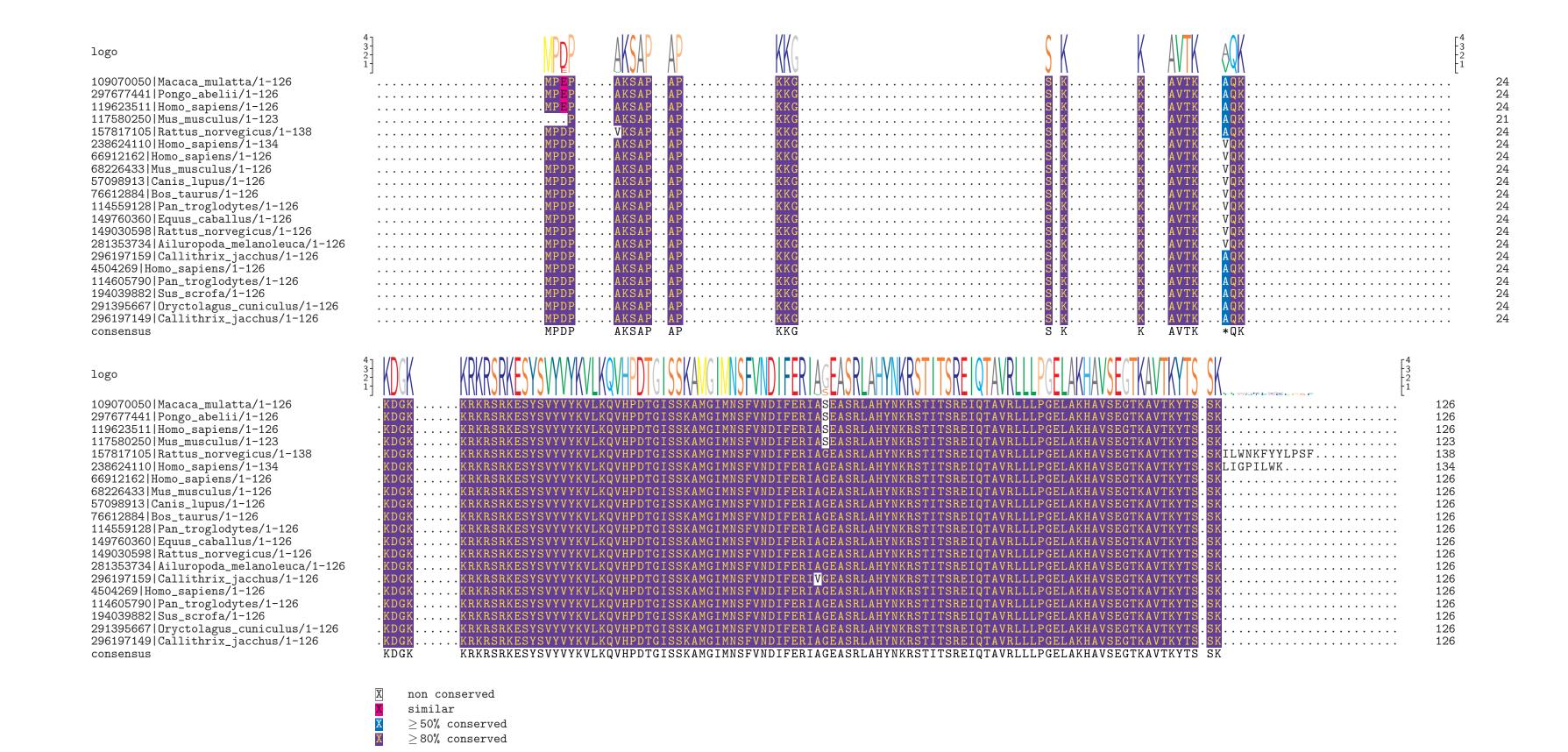


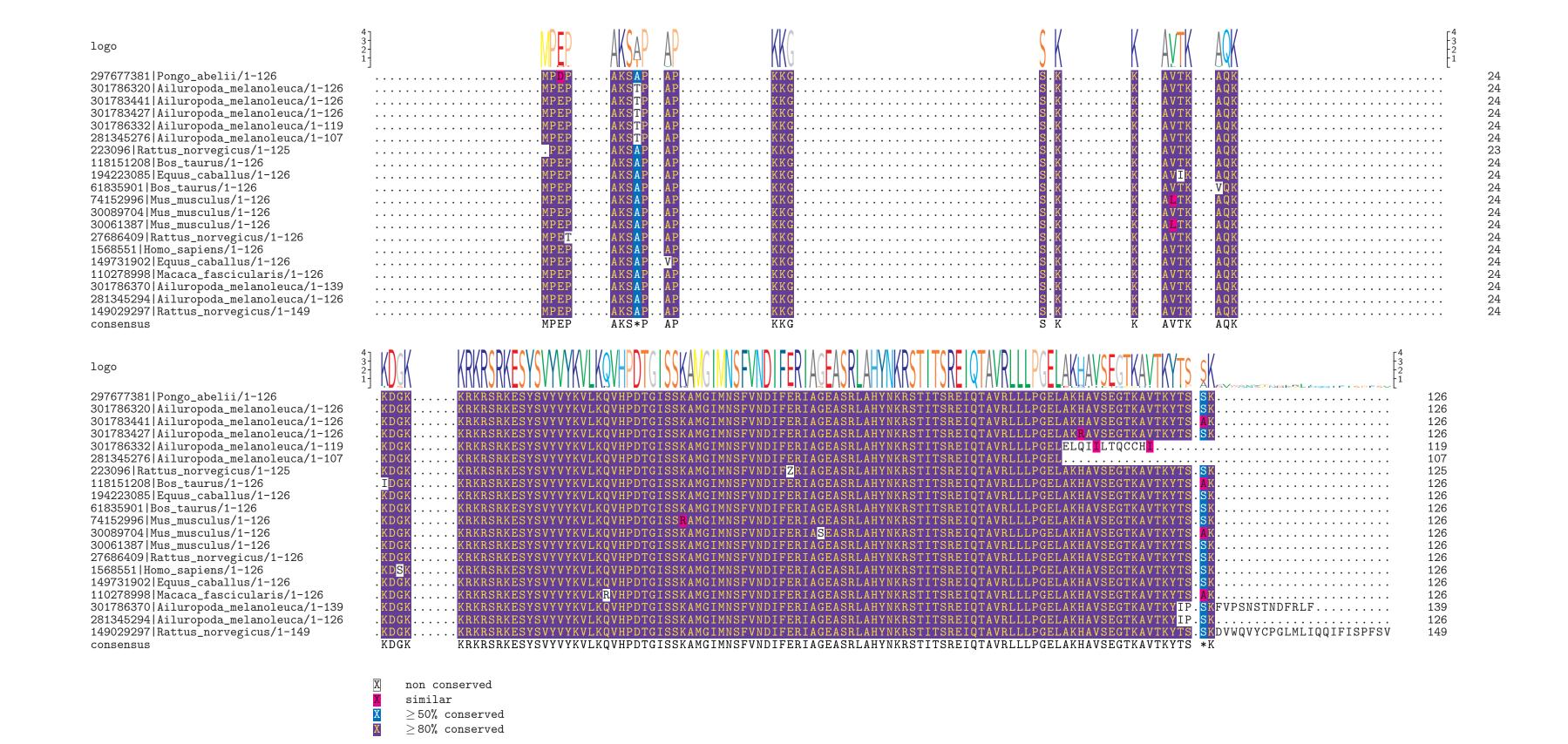


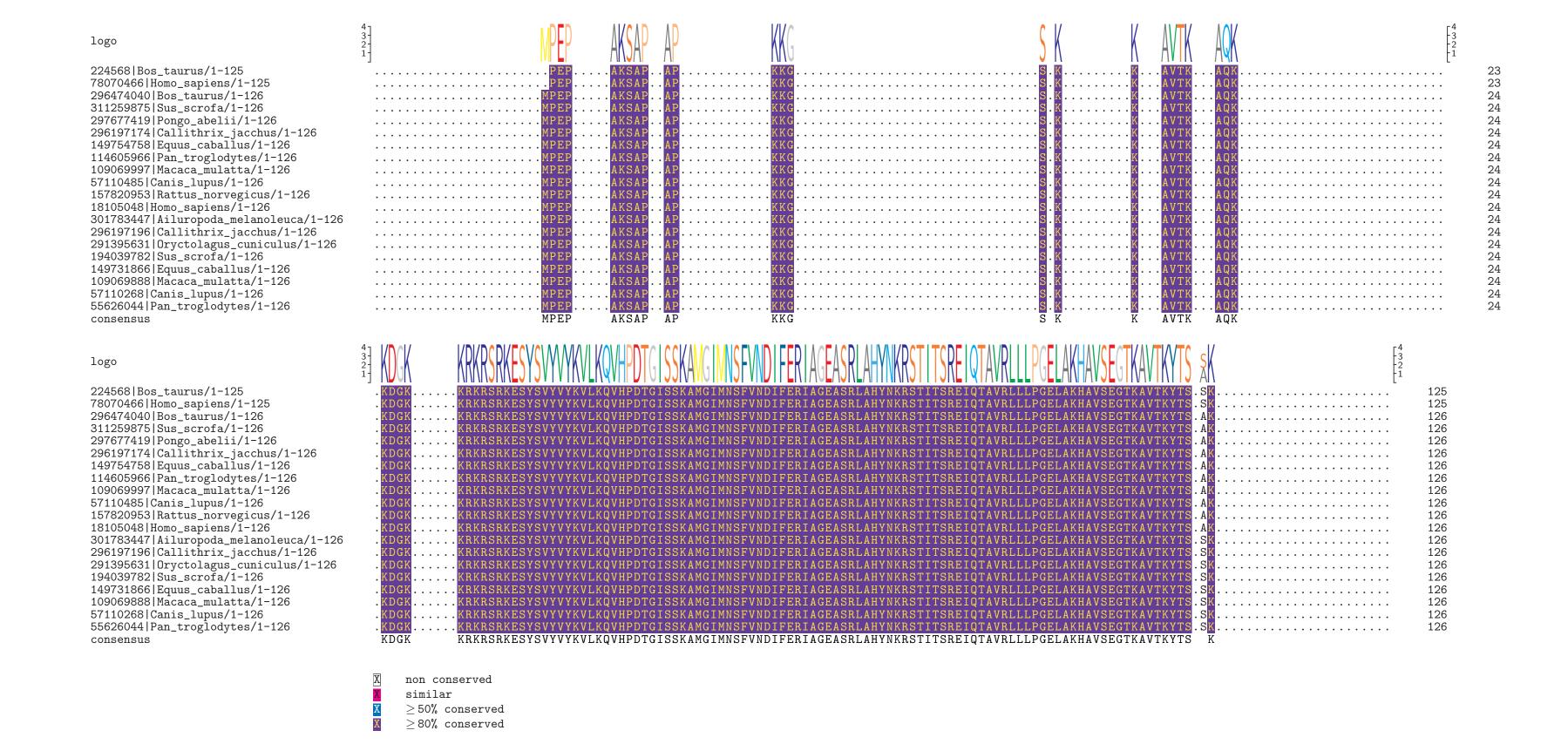


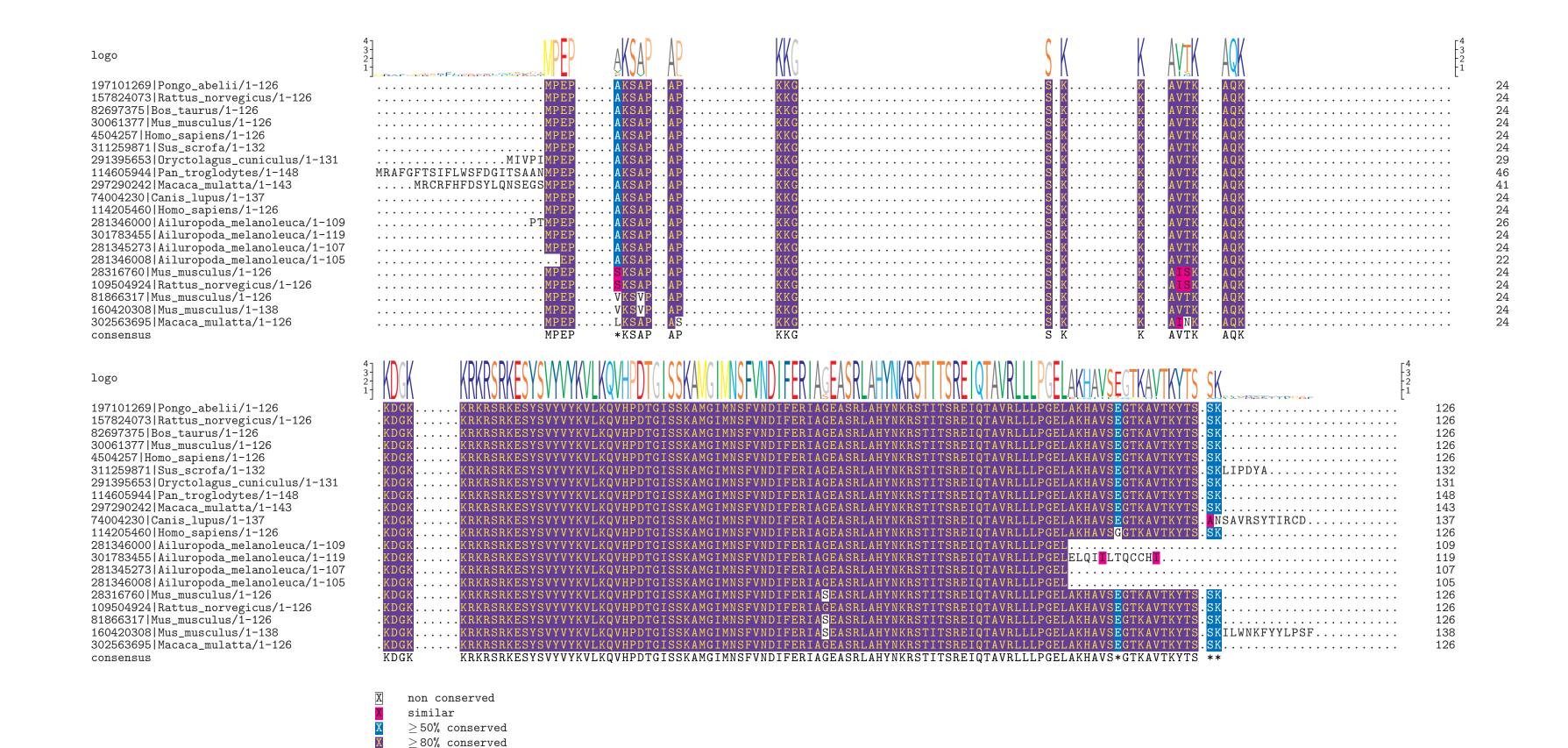


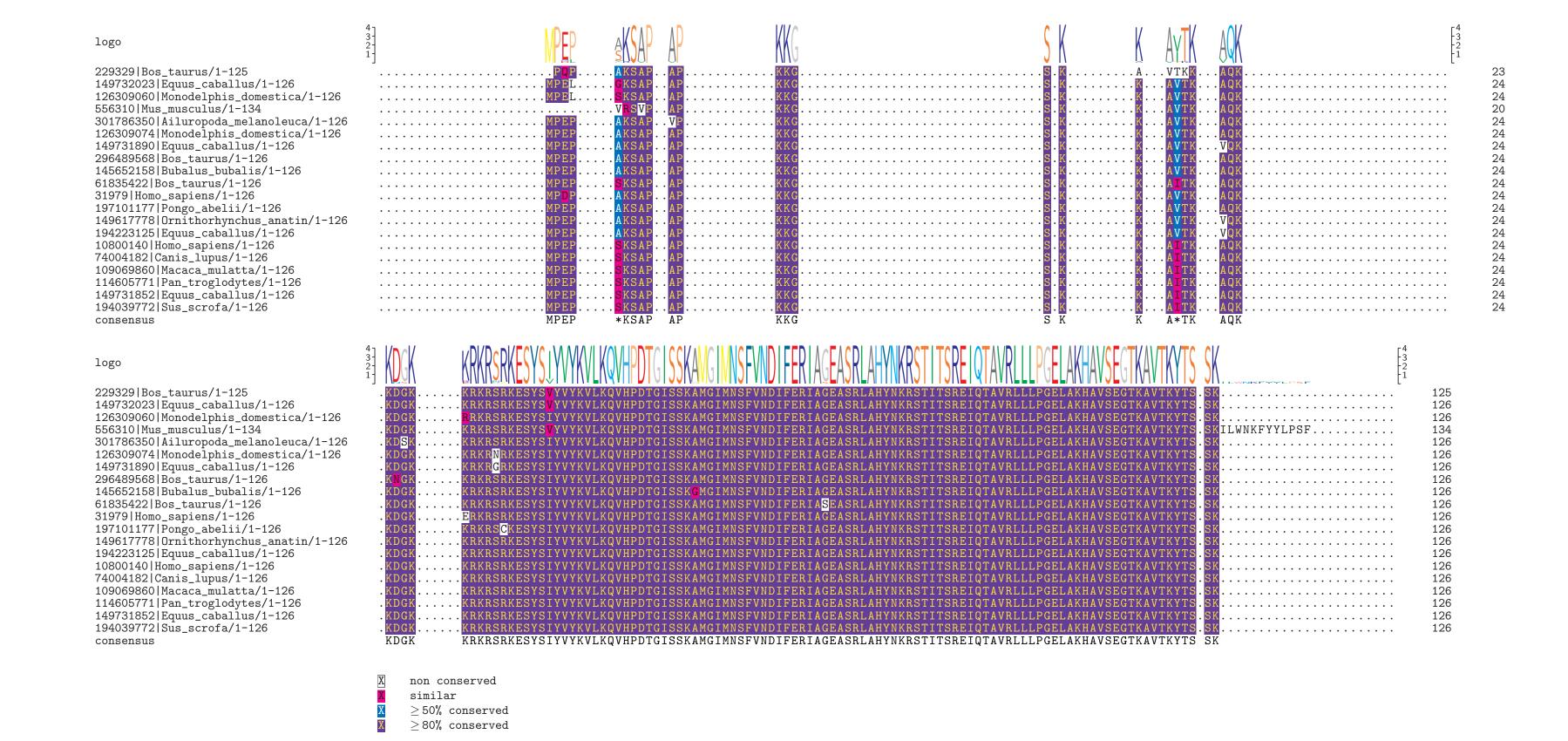


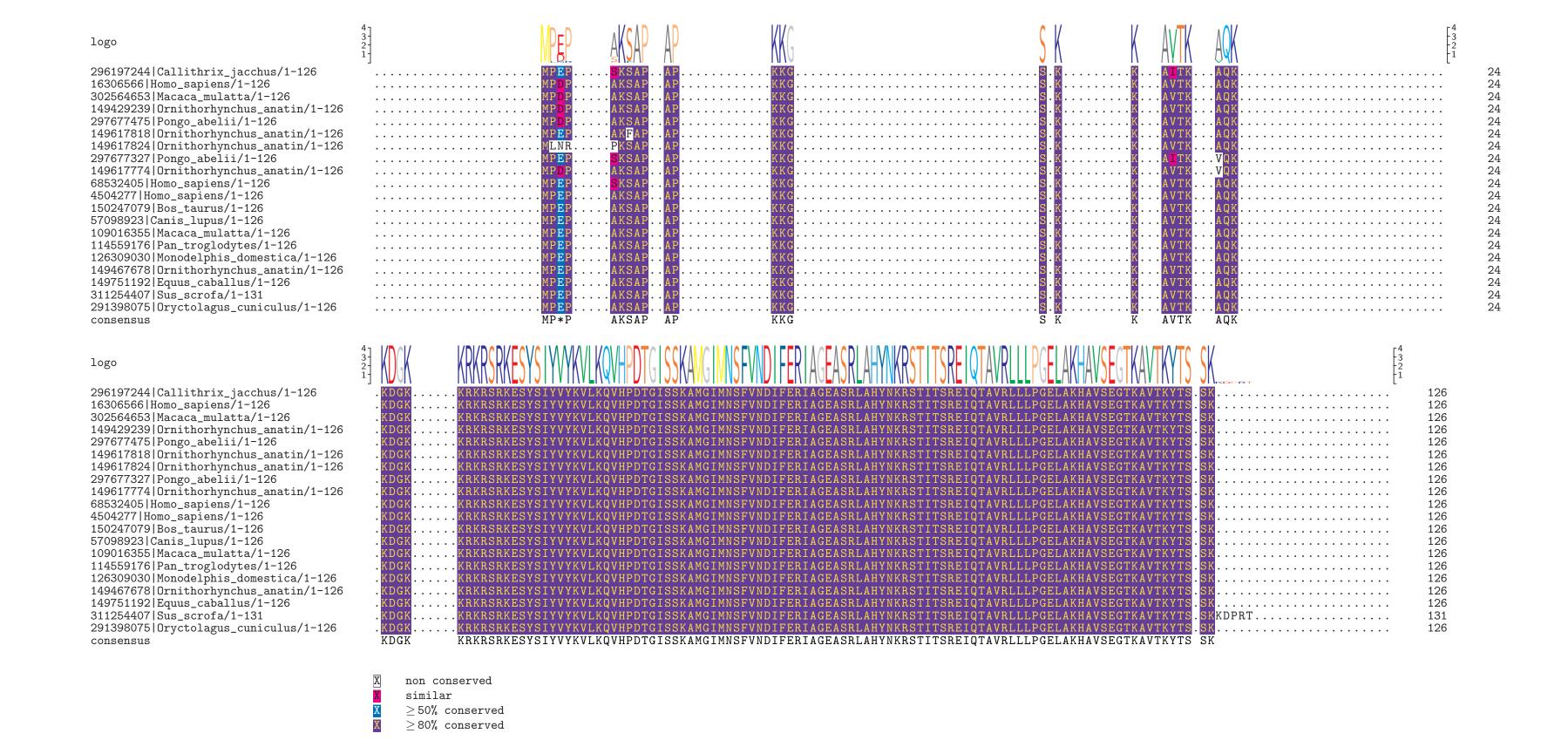


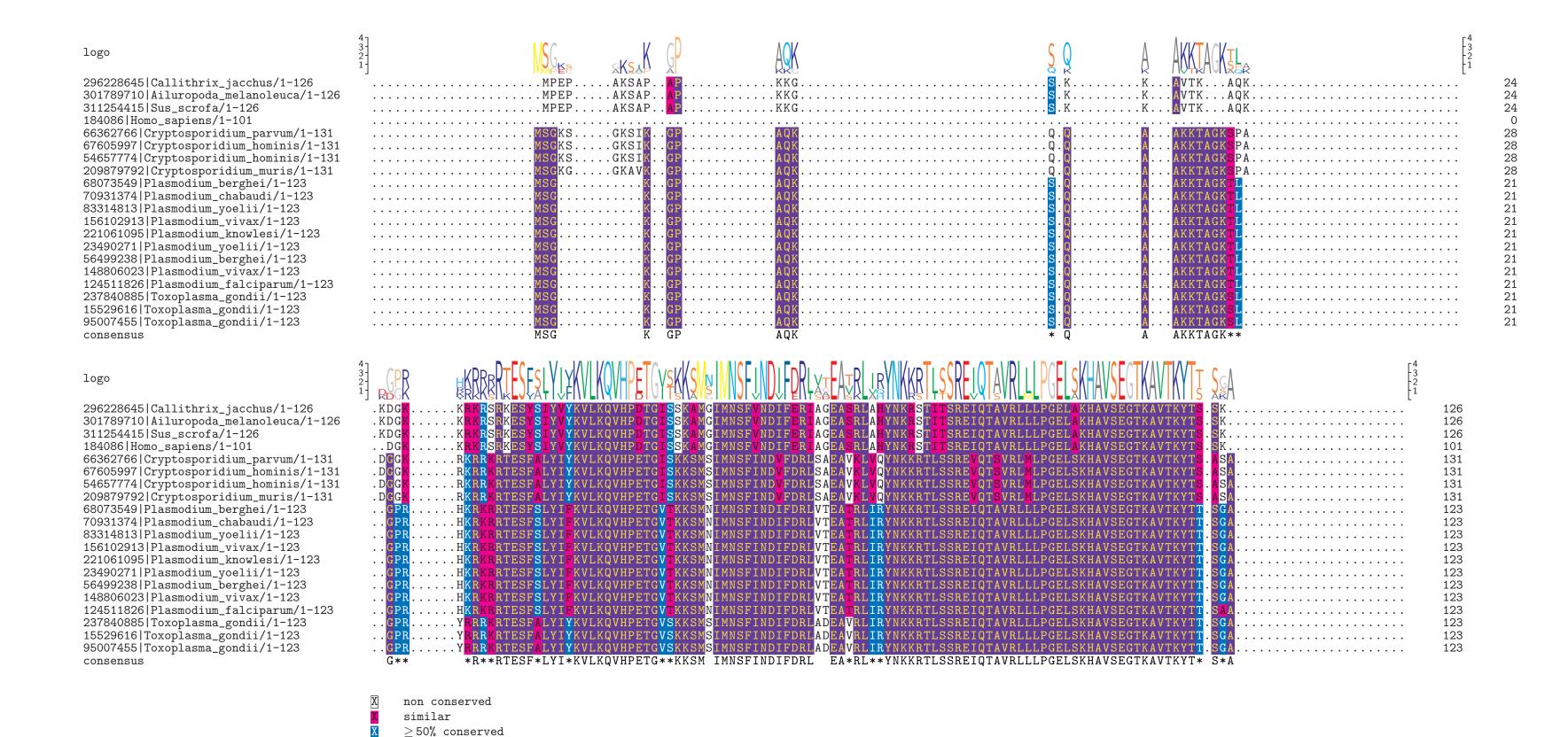




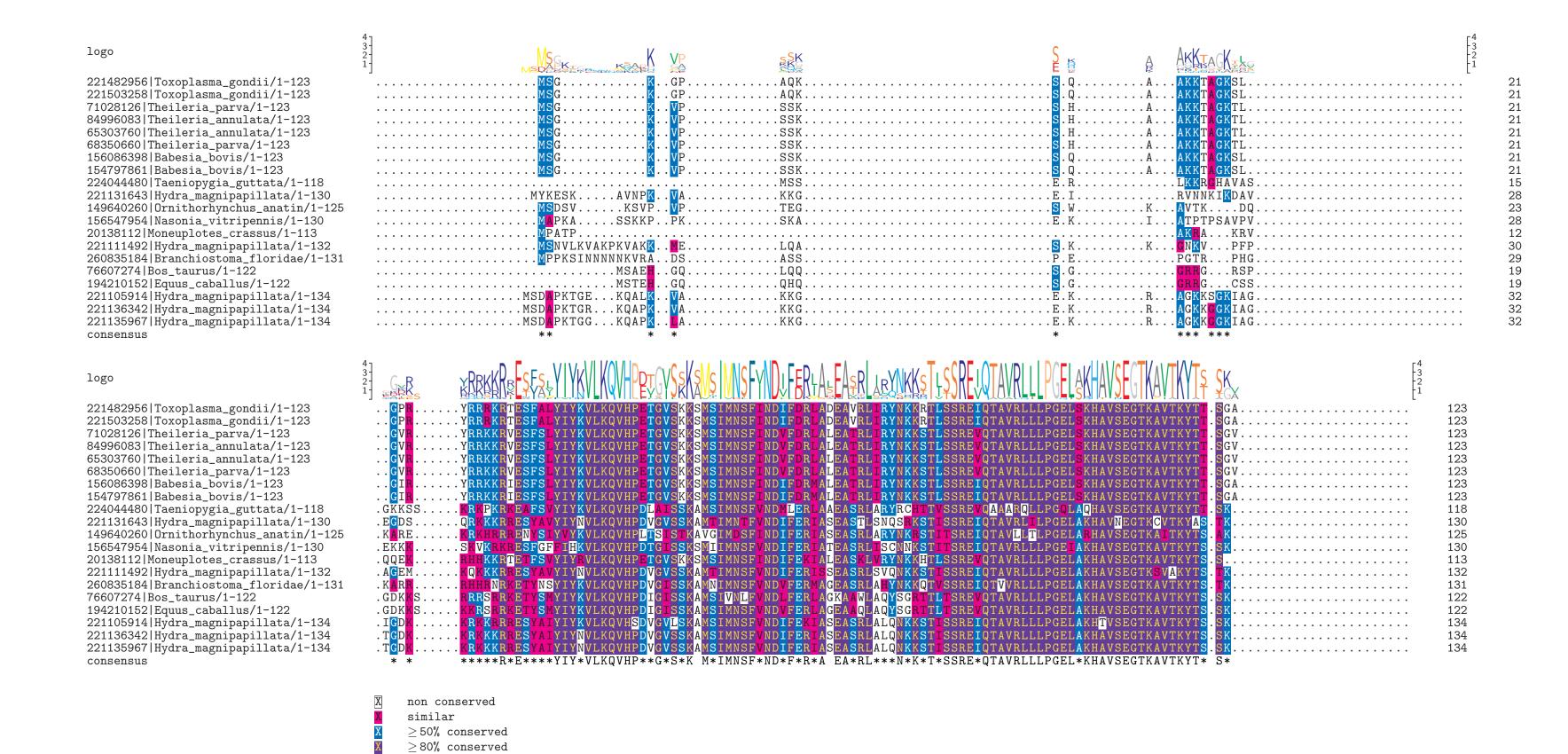


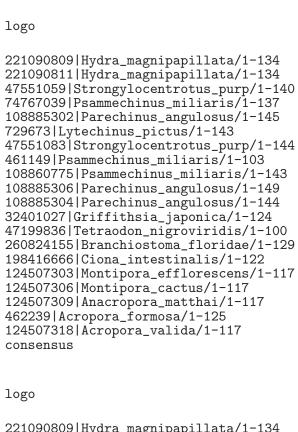




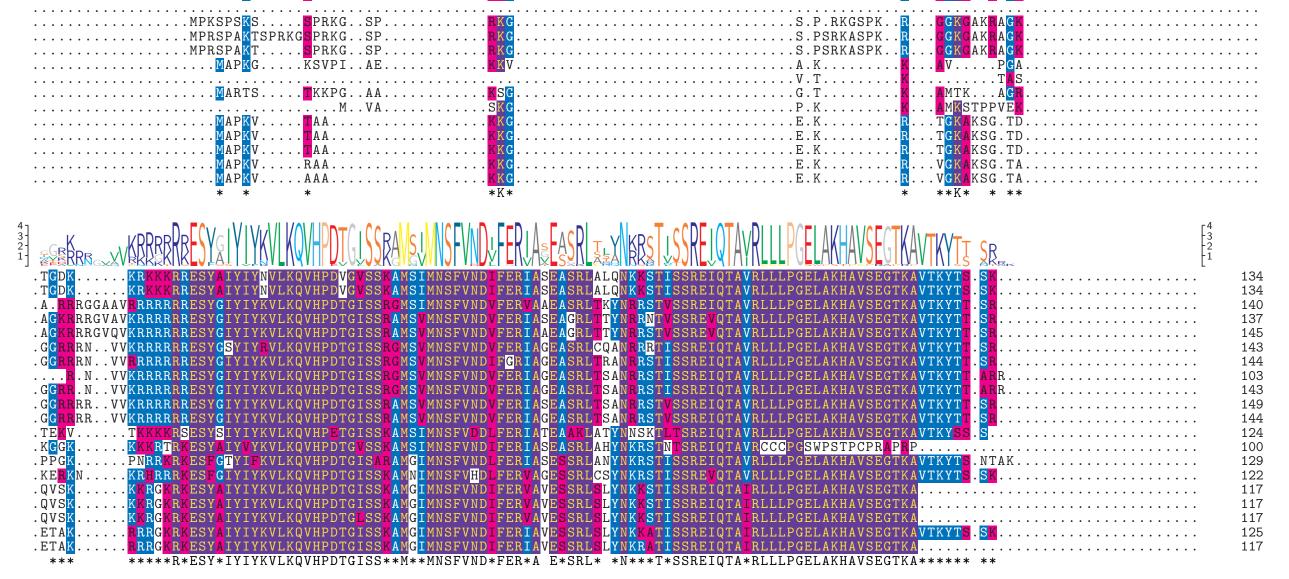


≥80% conserved





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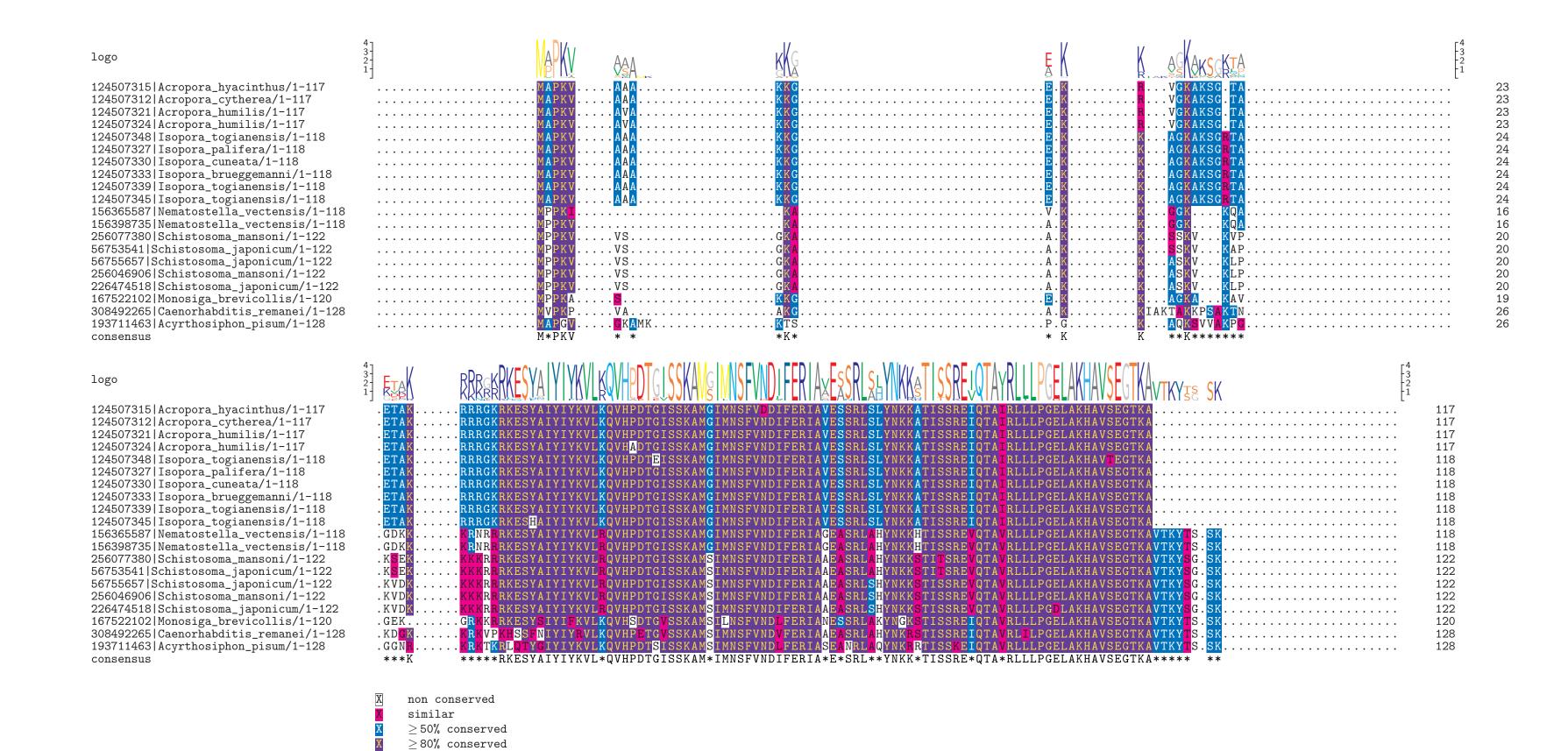
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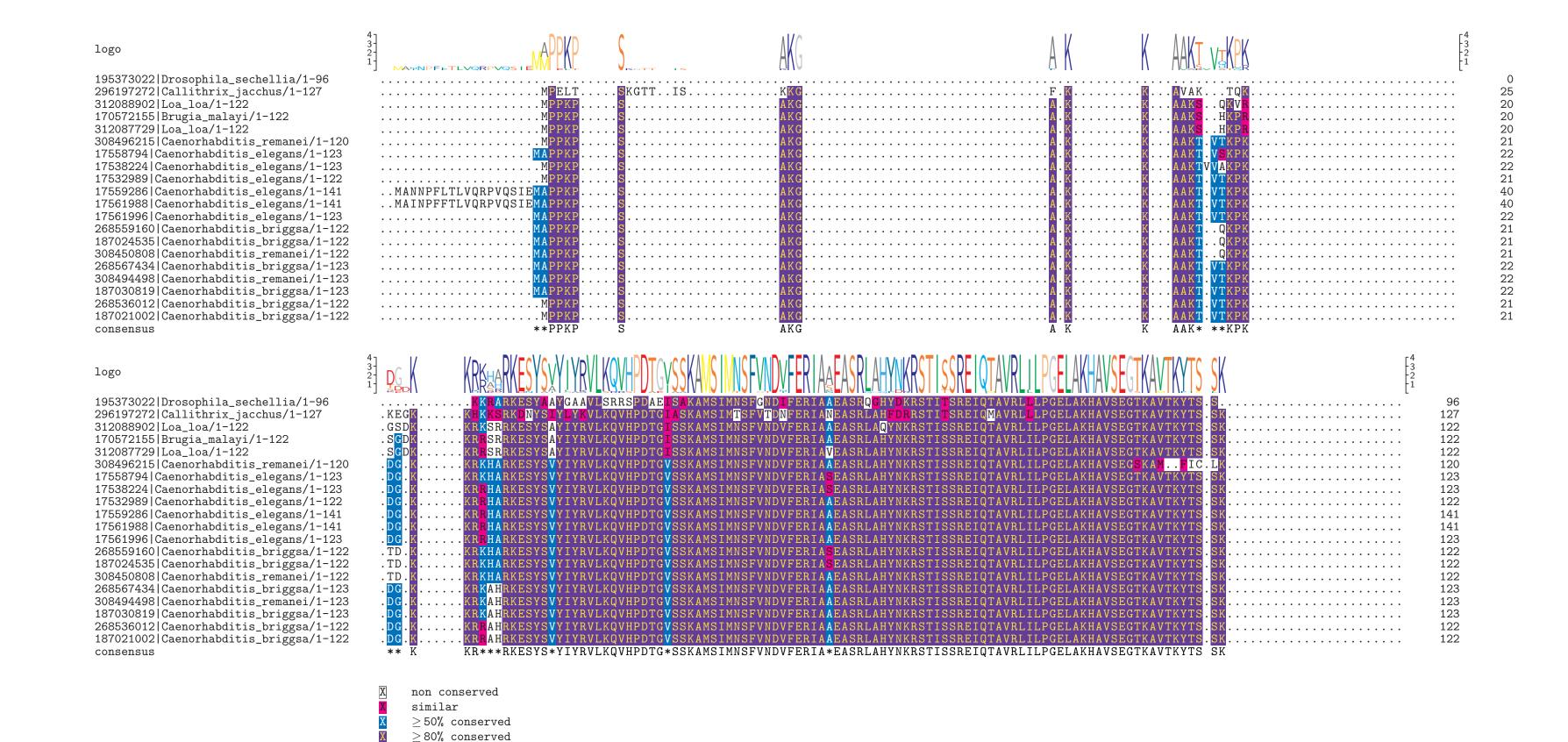
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 SPTKR
 SP
 TKR
 S.PQKGAG
 S.PTKRSPQKGG
 S.PTKRSPQKGG
 S.PTKRSPQKGG
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 S.P.RKGSPK
 S.P.RKGSPK
 S.P.RKGSPK
 S.PSRKASPK
 S.PSRKASPK

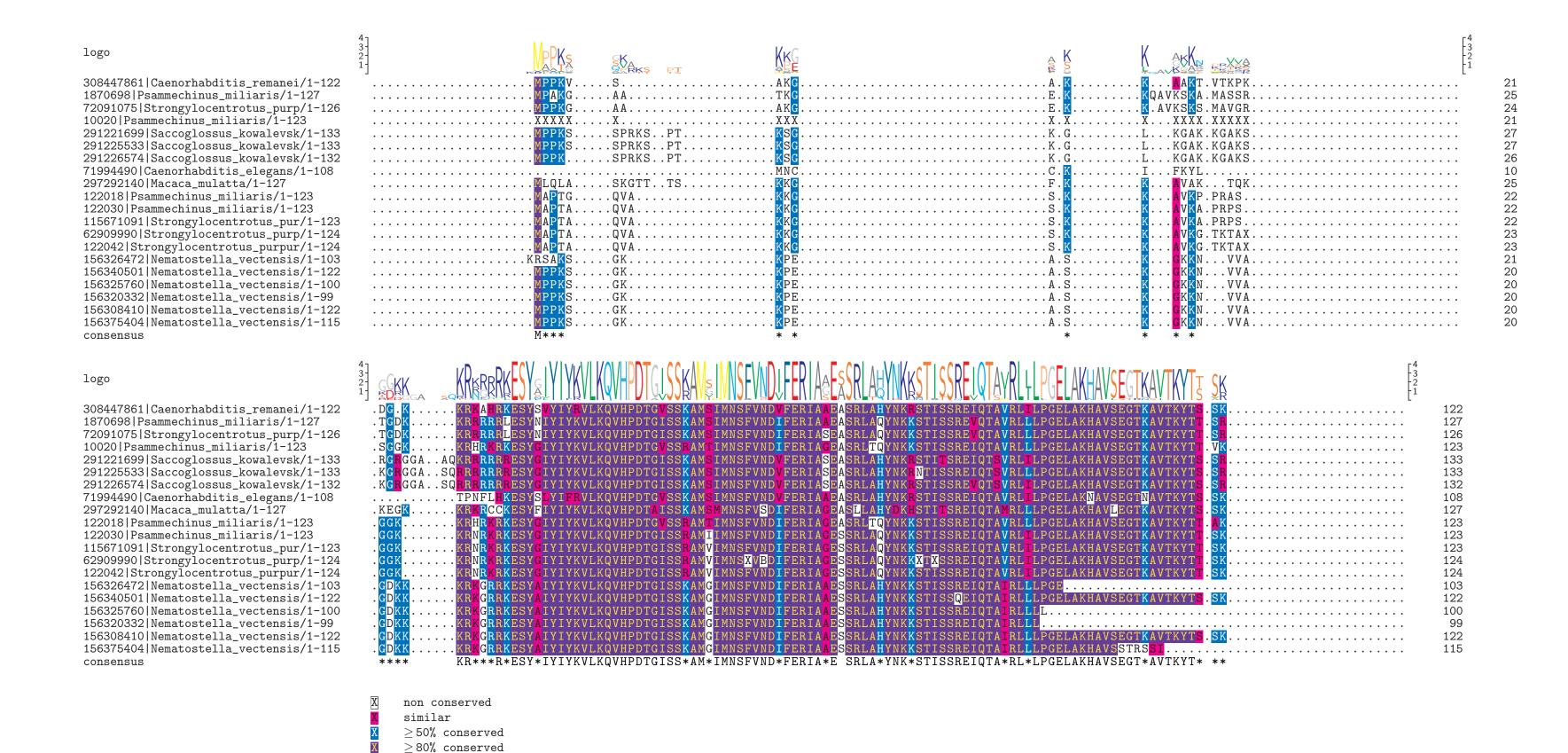
non conserved

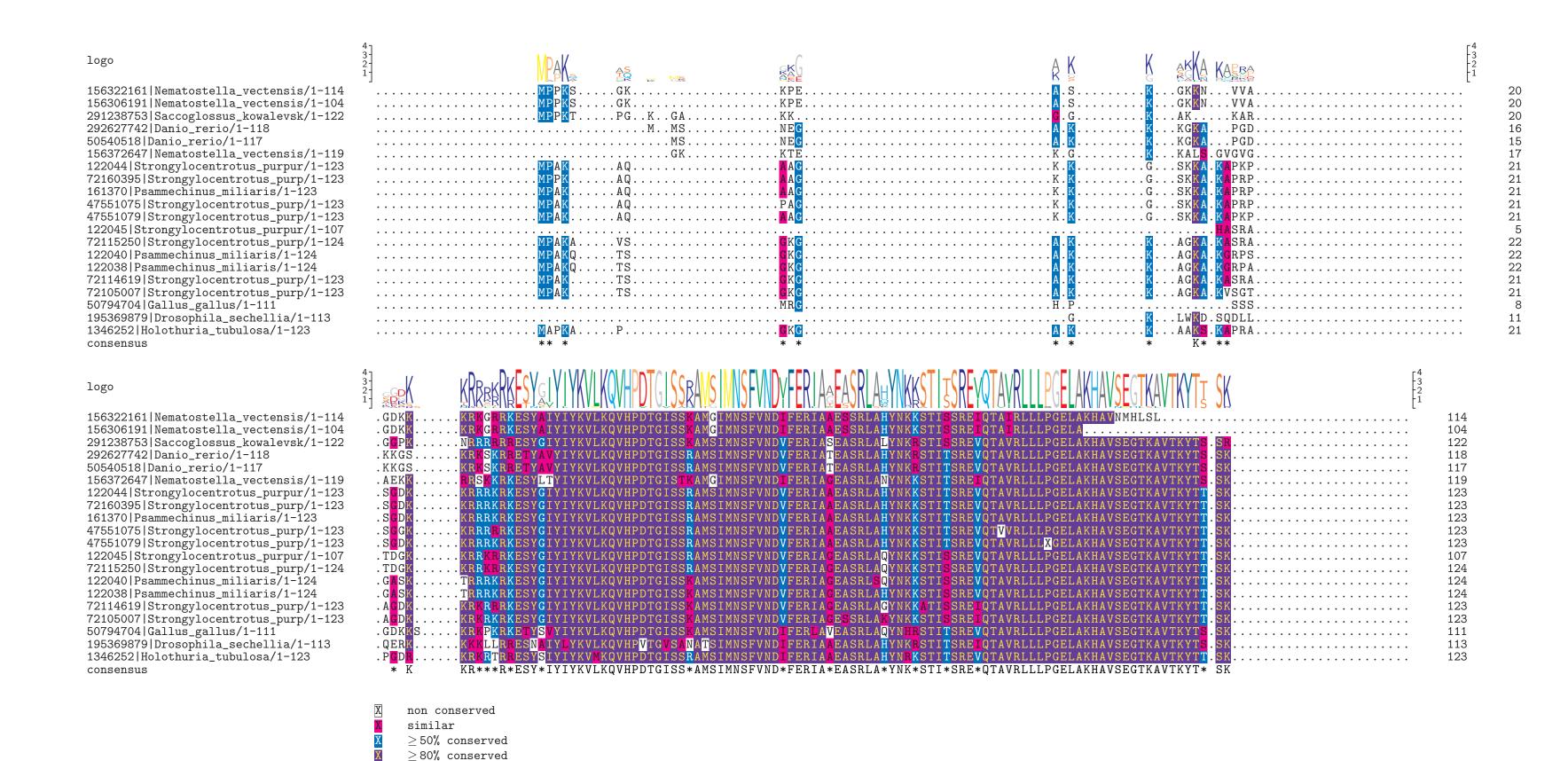
similar

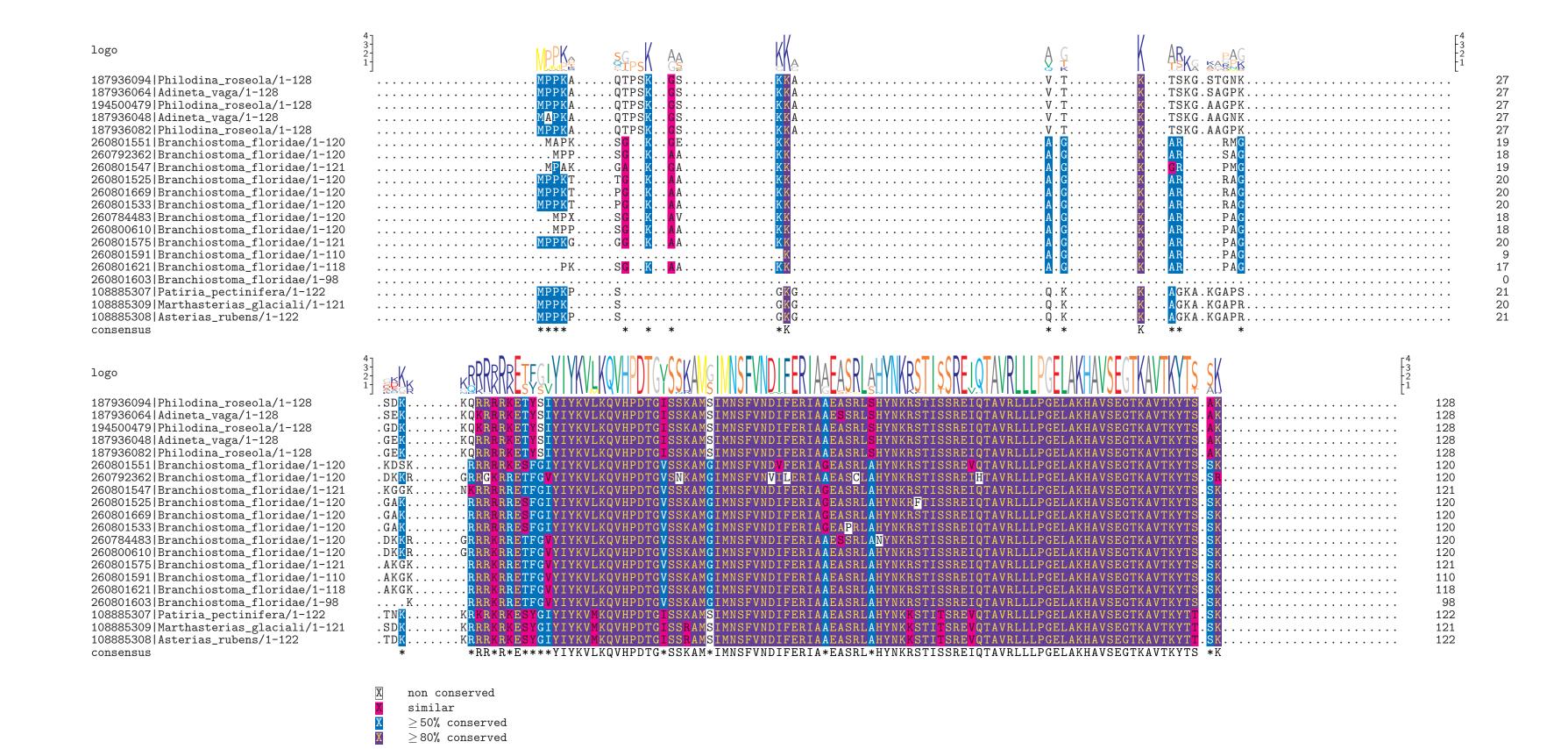
 \geq 50% conserved ≥80% conserved

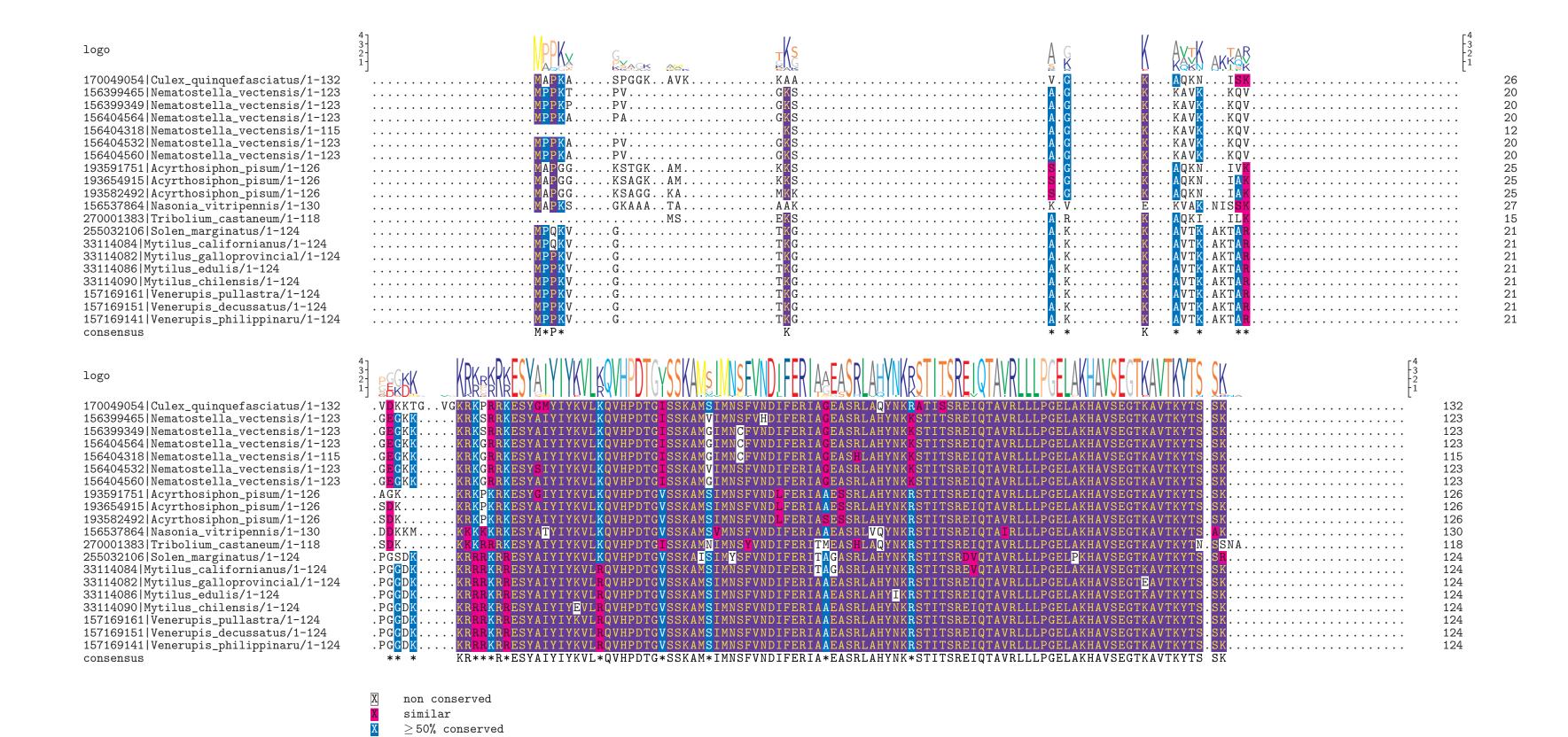




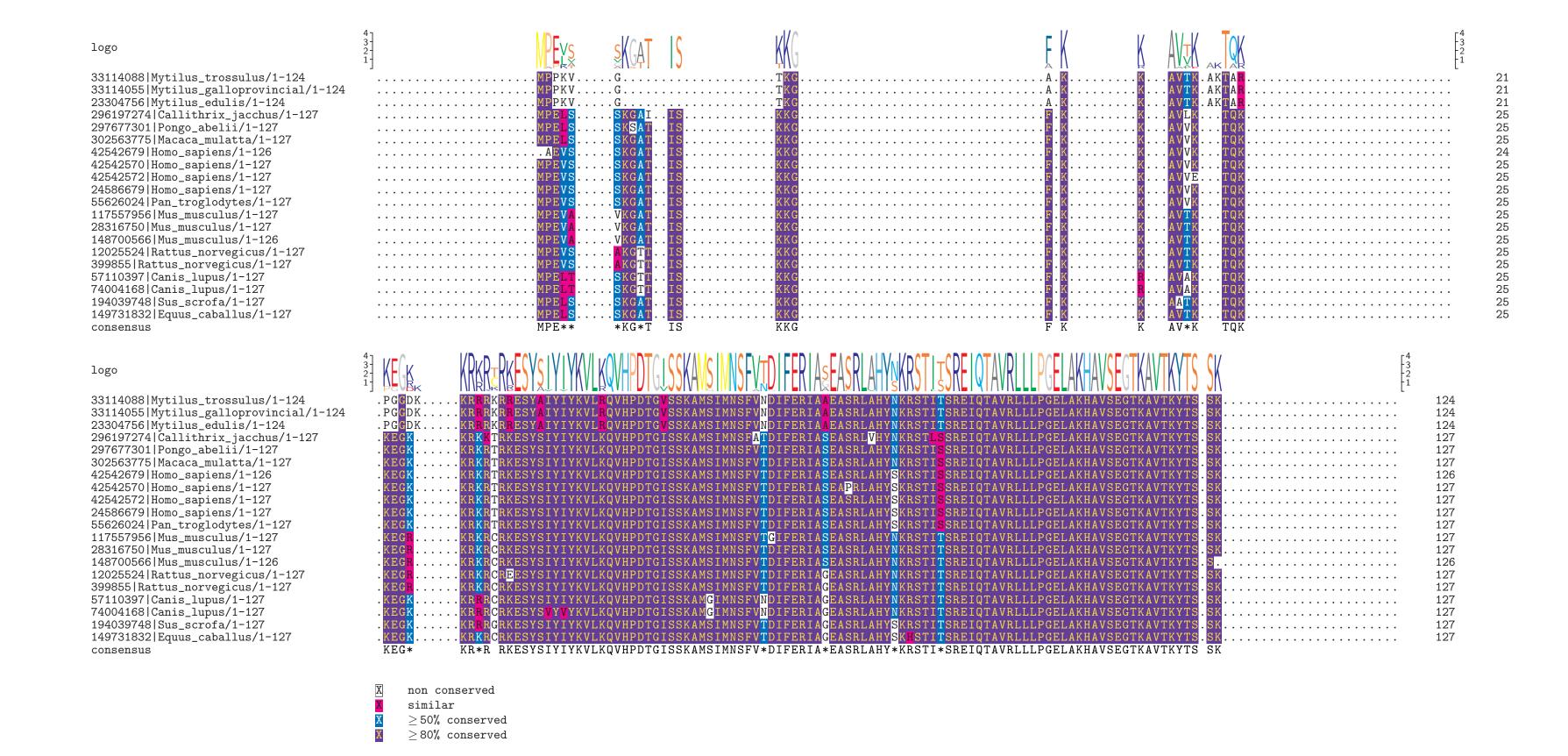


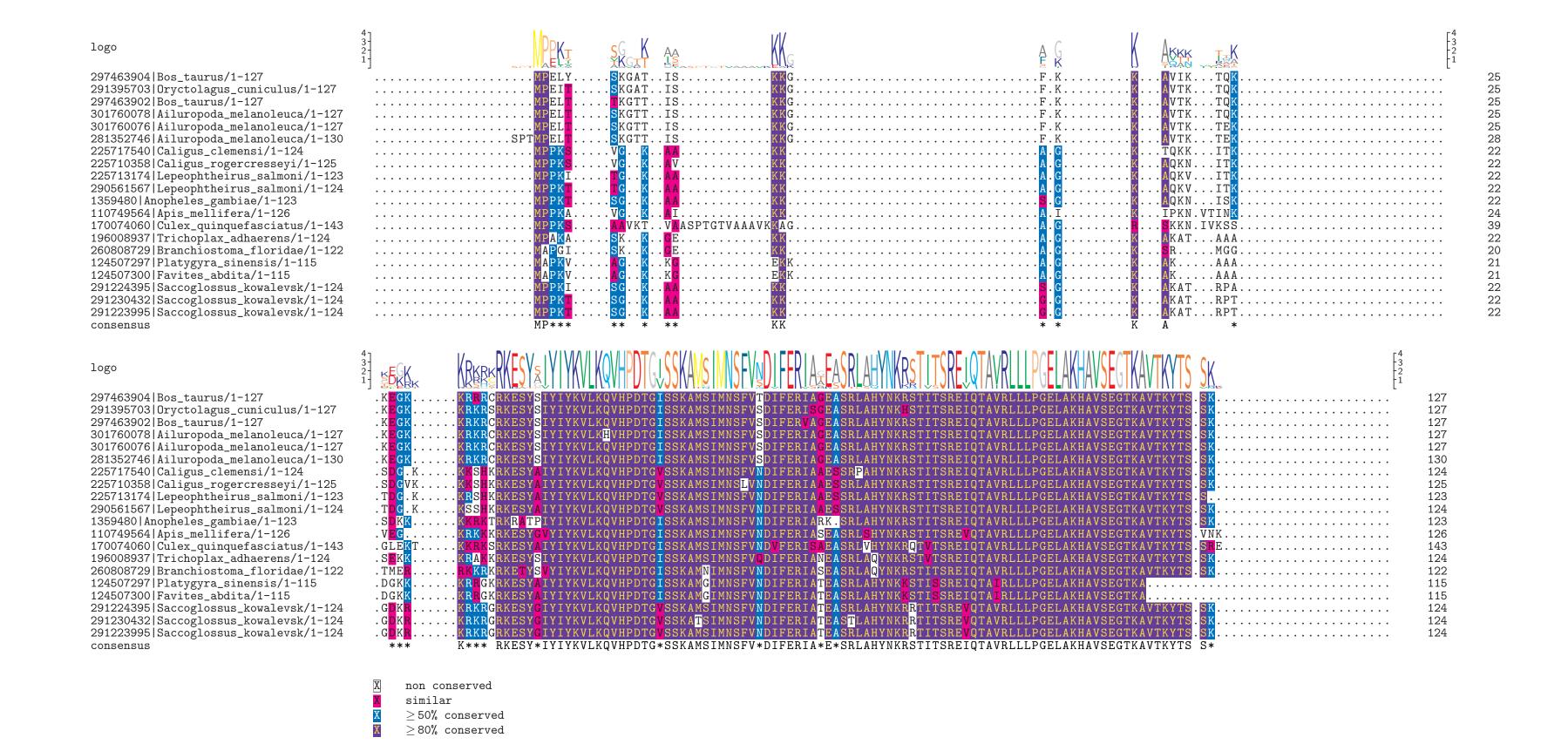


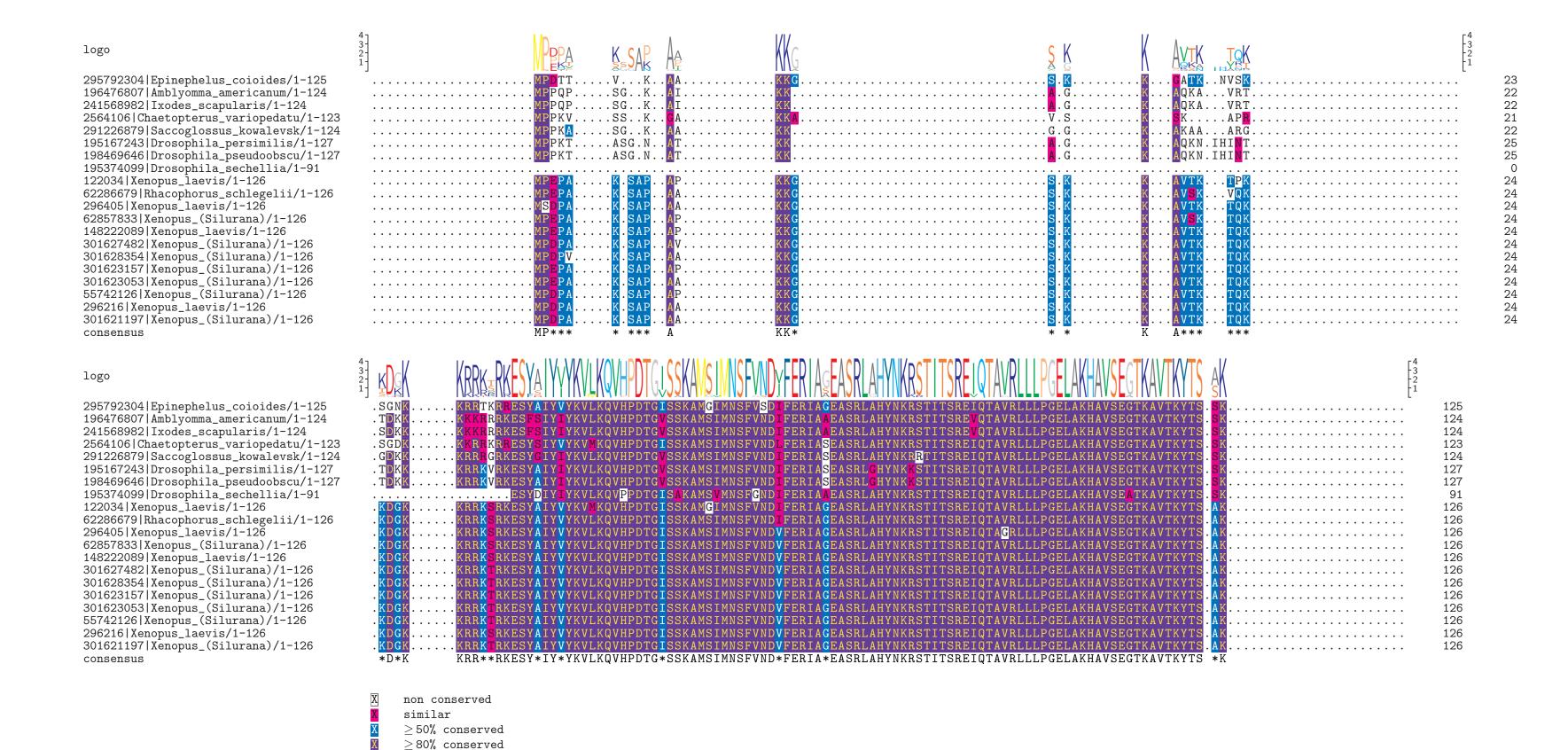


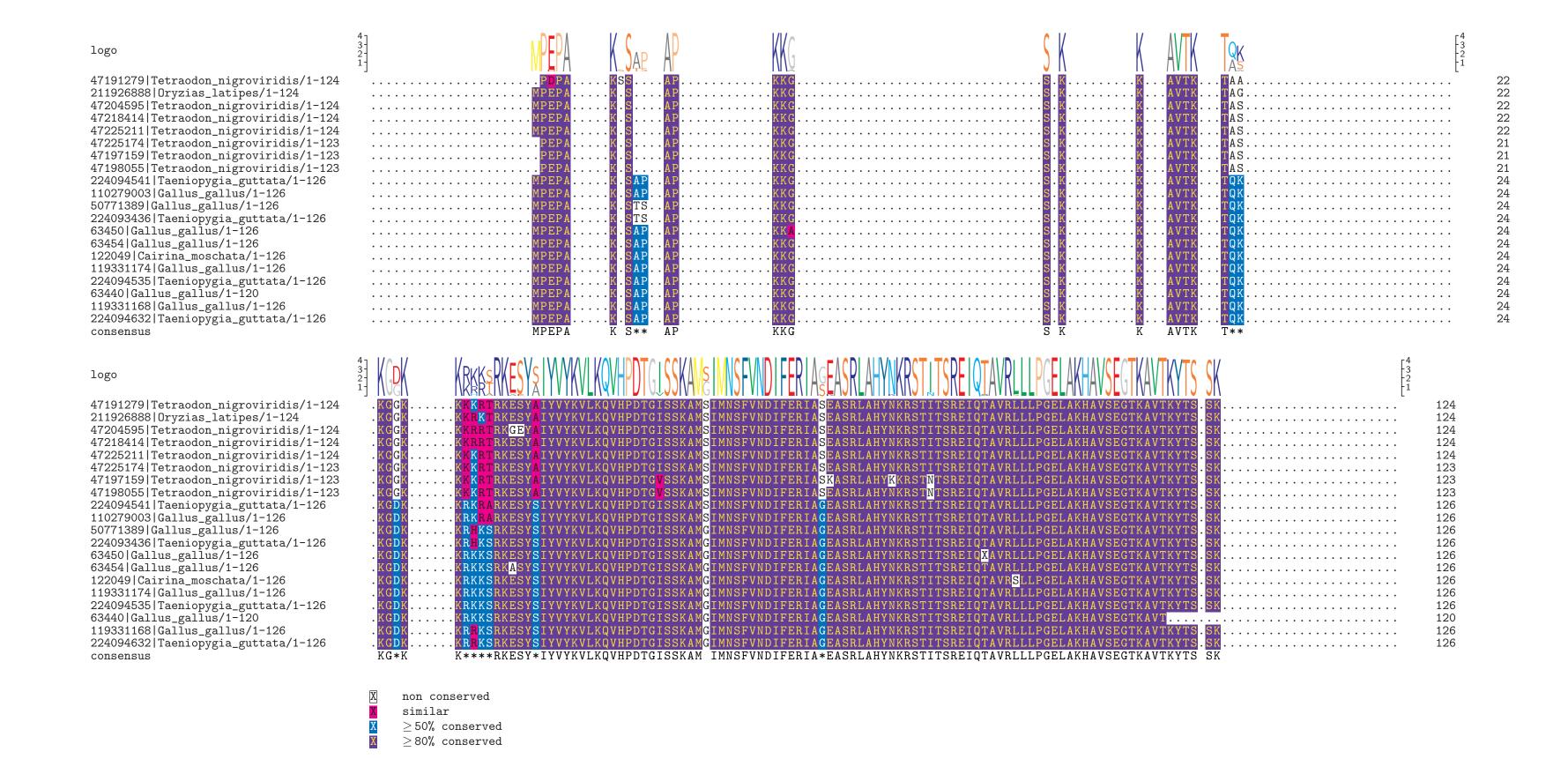


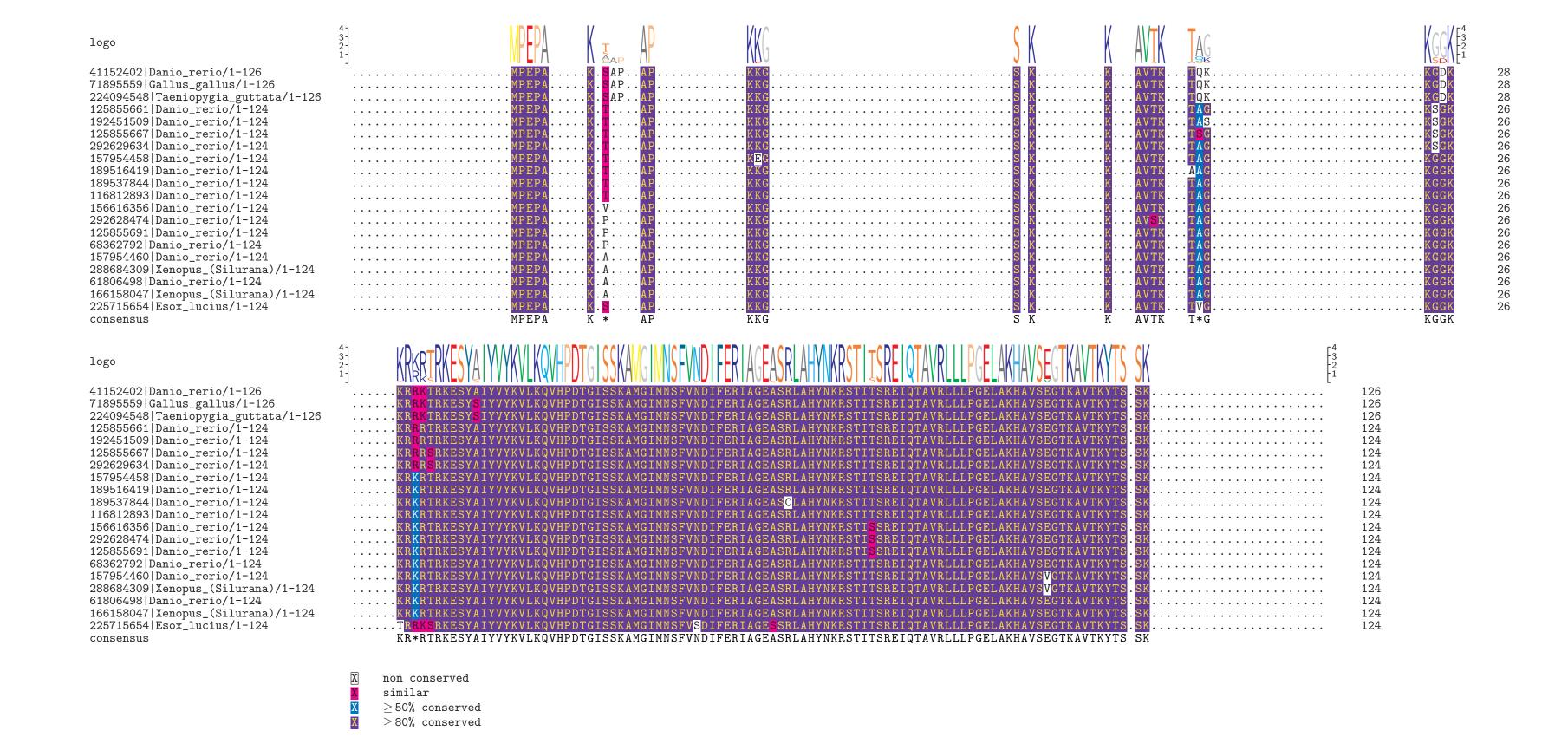
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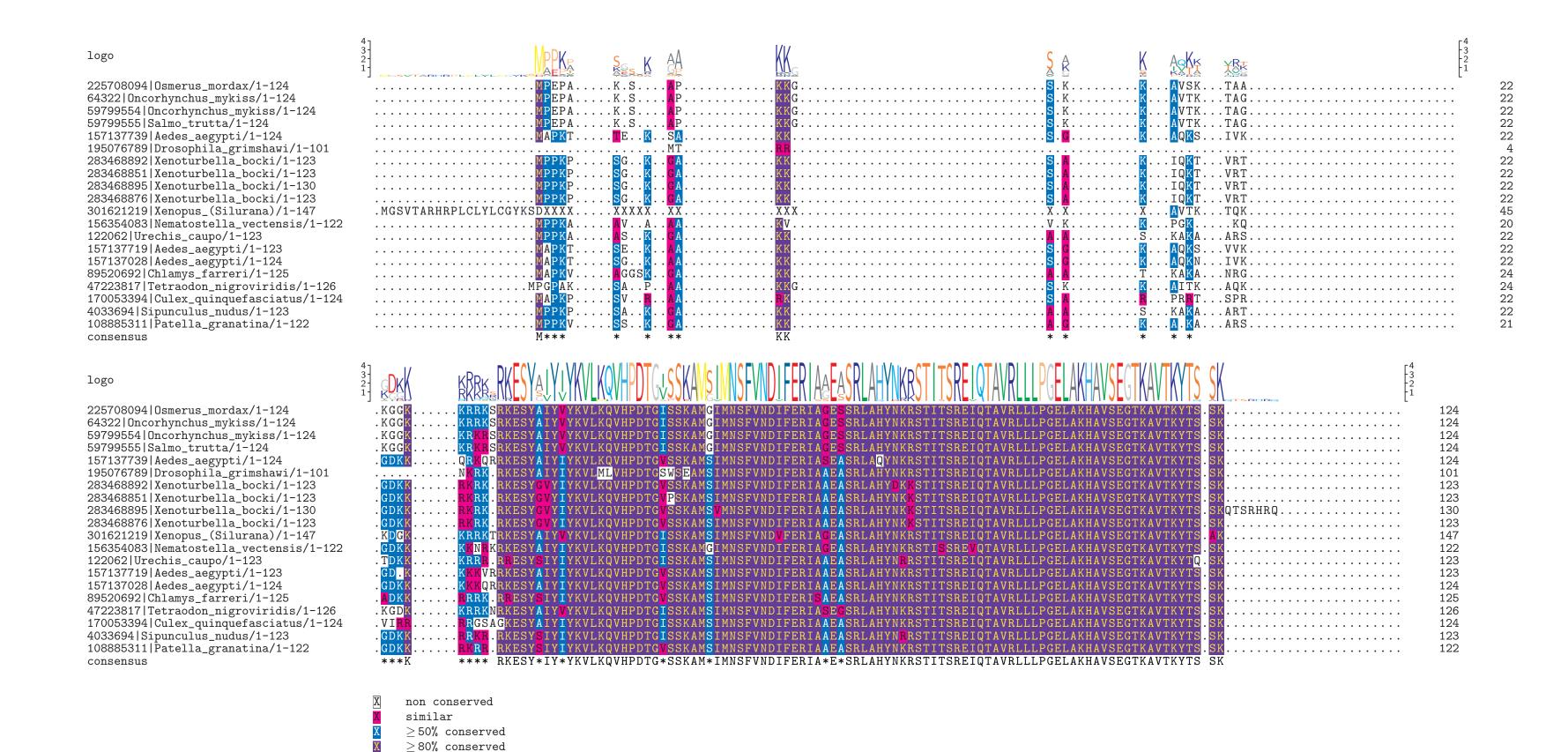














110749558 | Apis_mellifera/1-123 110758316|Apis_mellifera/1-123 307168955 | Camponotus_floridanus/1-123 307194494|Harpegnathos_saltator/1-123 242003202|Pediculus_humanus/1-123 170053405|Culex_quinquefasciatus/1-124 58374842 | Anopheles_gambiae/1-124 consensus

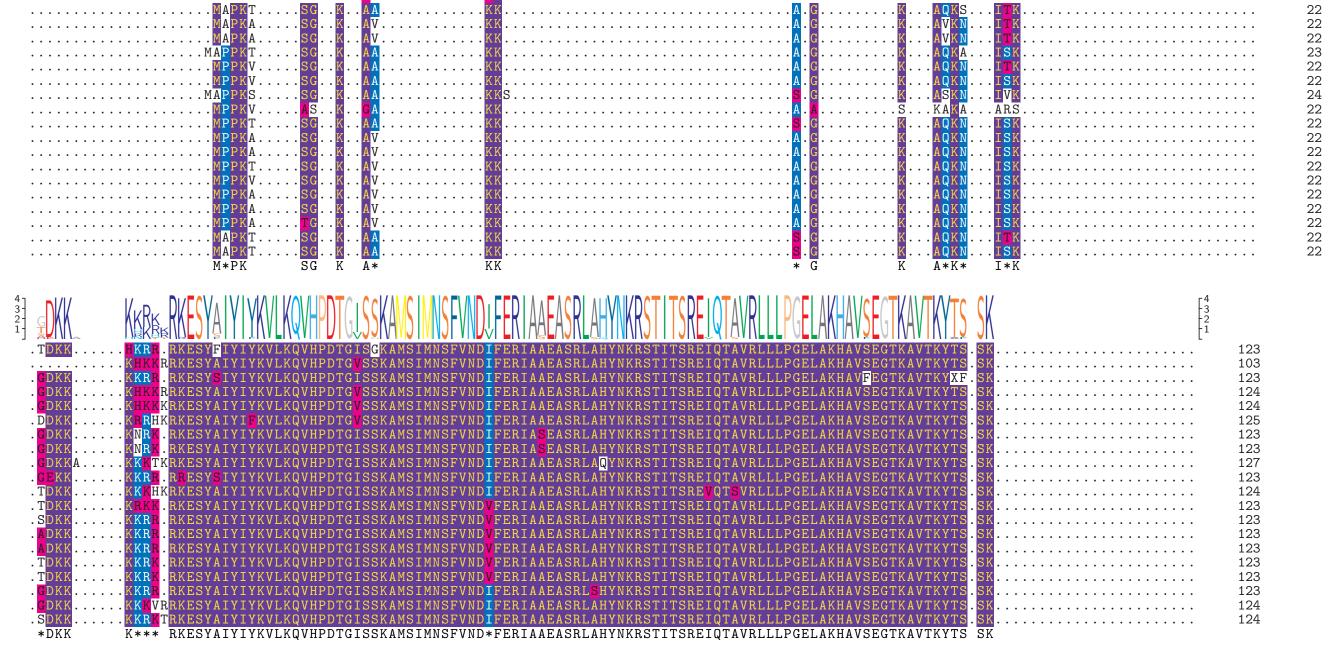
logo

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non conserved

 \geq 50% conserved ≥80% conserved

similar



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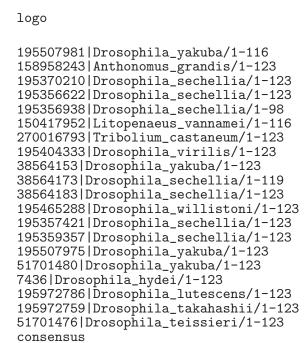
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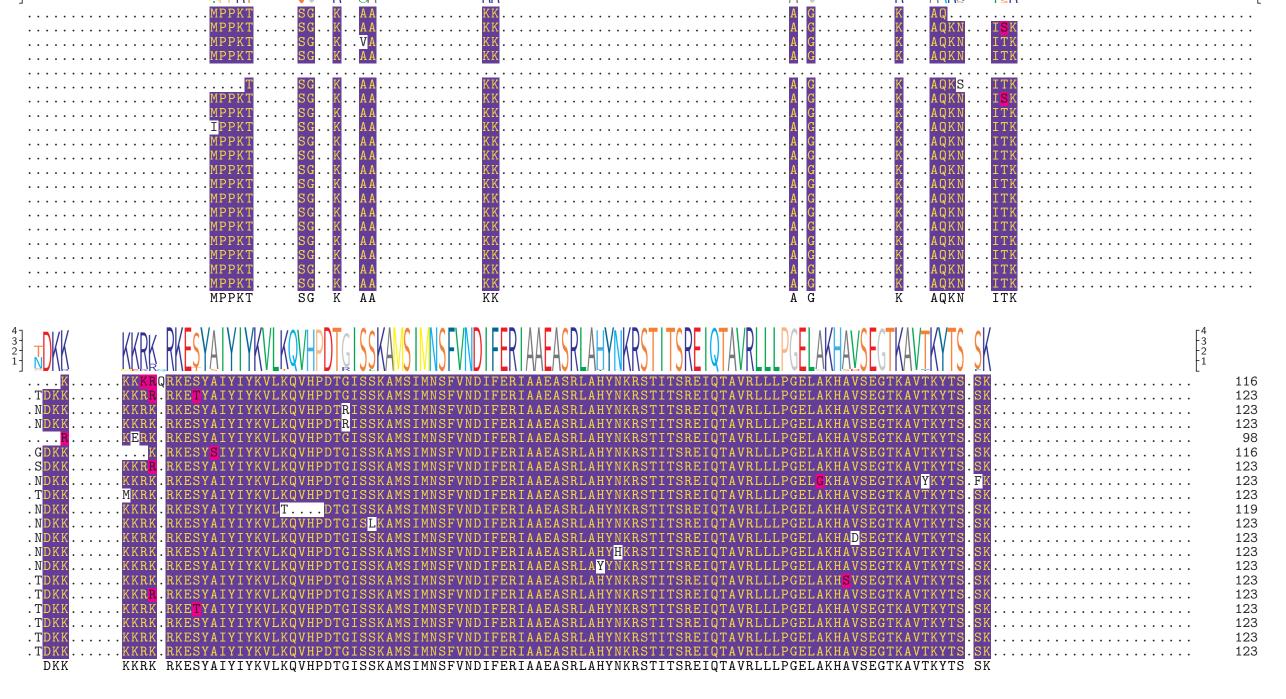
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logo

195507981|Drosophila_yakuba/1-116 158958243|Anthonomus_grandis/1-123 195370210 | Drosophila_sechellia/1-123 195356622|Drosophila_sechellia/1-123 195356938|Drosophila_sechellia/1-98 150417952|Litopenaeus_vannamei/1-116 270016793|Tribolium_castaneum/1-123 195404333|Drosophila_virilis/1-123 38564153|Drosophila_yakuba/1-123 38564173|Drosophila_sechellia/1-119 38564183|Drosophila_sechellia/1-123 195465288|Drosophila_willistoni/1-123 195357421|Drosophila_sechellia/1-123 195359357 | Drosophila_sechellia/1-123 195507975|Drosophila_yakuba/1-123 51701480|Drosophila_yakuba/1-123 7436|Drosophila_hydei/1-123 195972786 | Drosophila_lutescens/1-123 195972759|Drosophila_takahashii/1-123 51701476|Drosophila_teissieri/1-123 consensus



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non conserved similar $\geq 50\%$ conserved $\geq 80\%$ conserved

