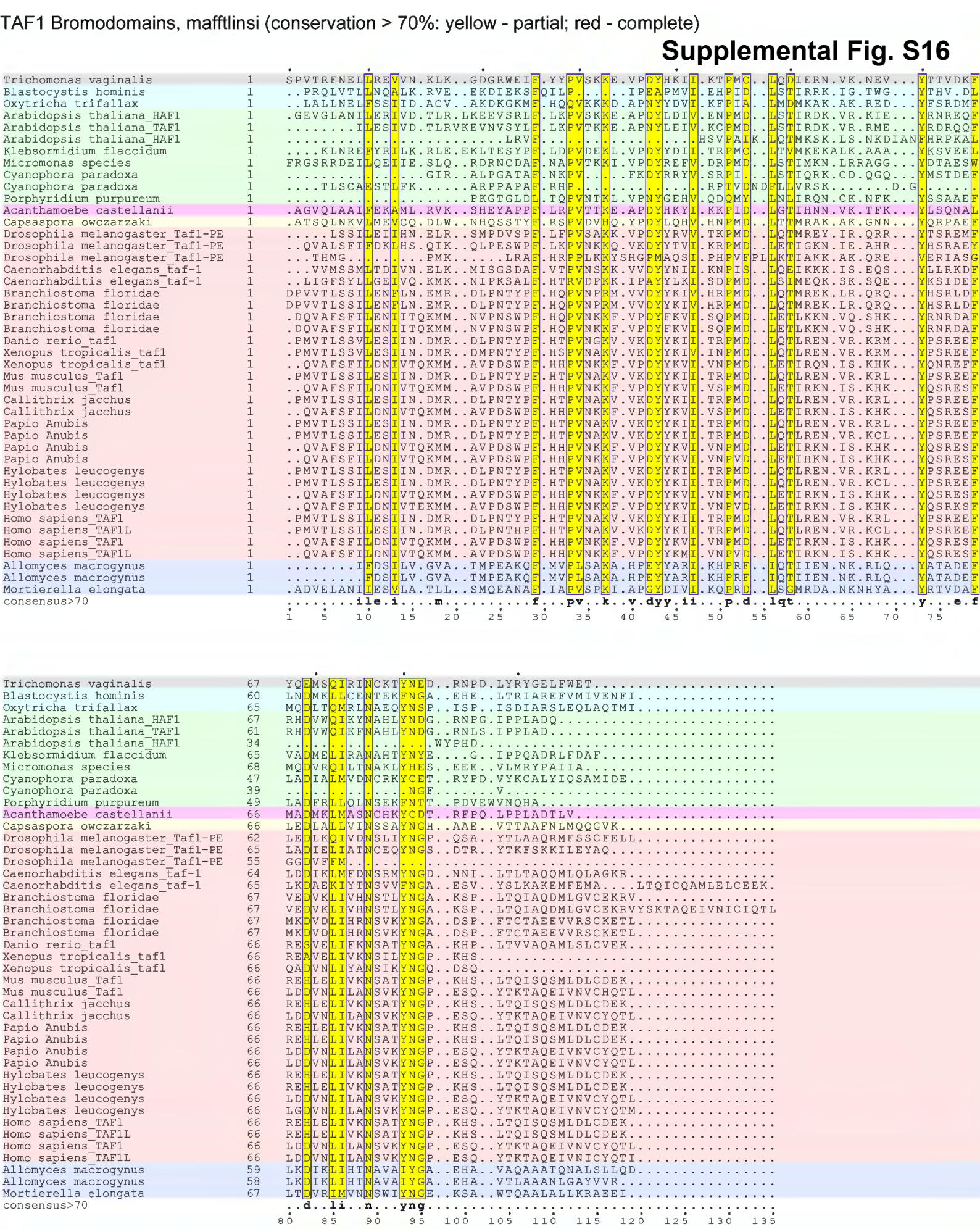
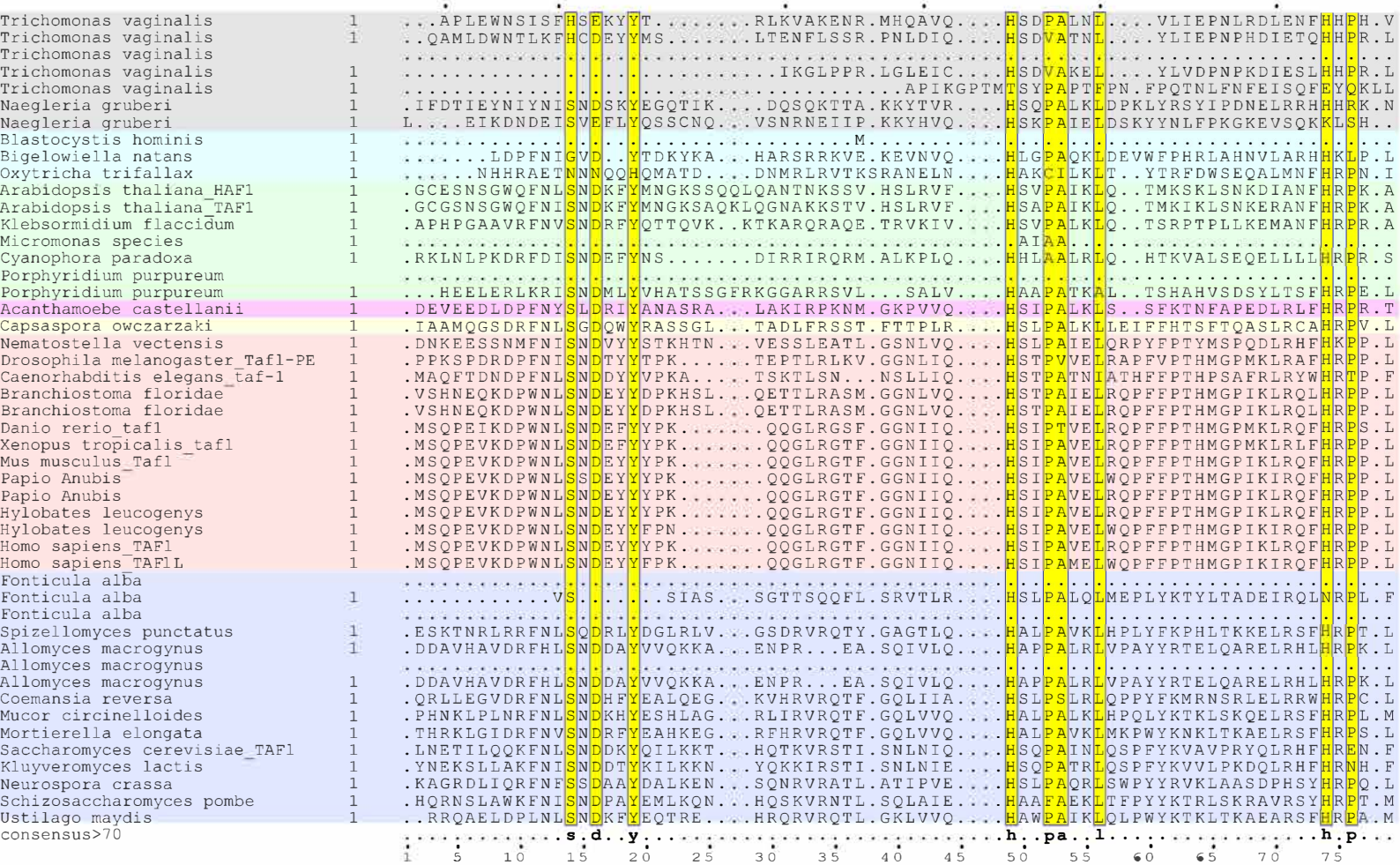
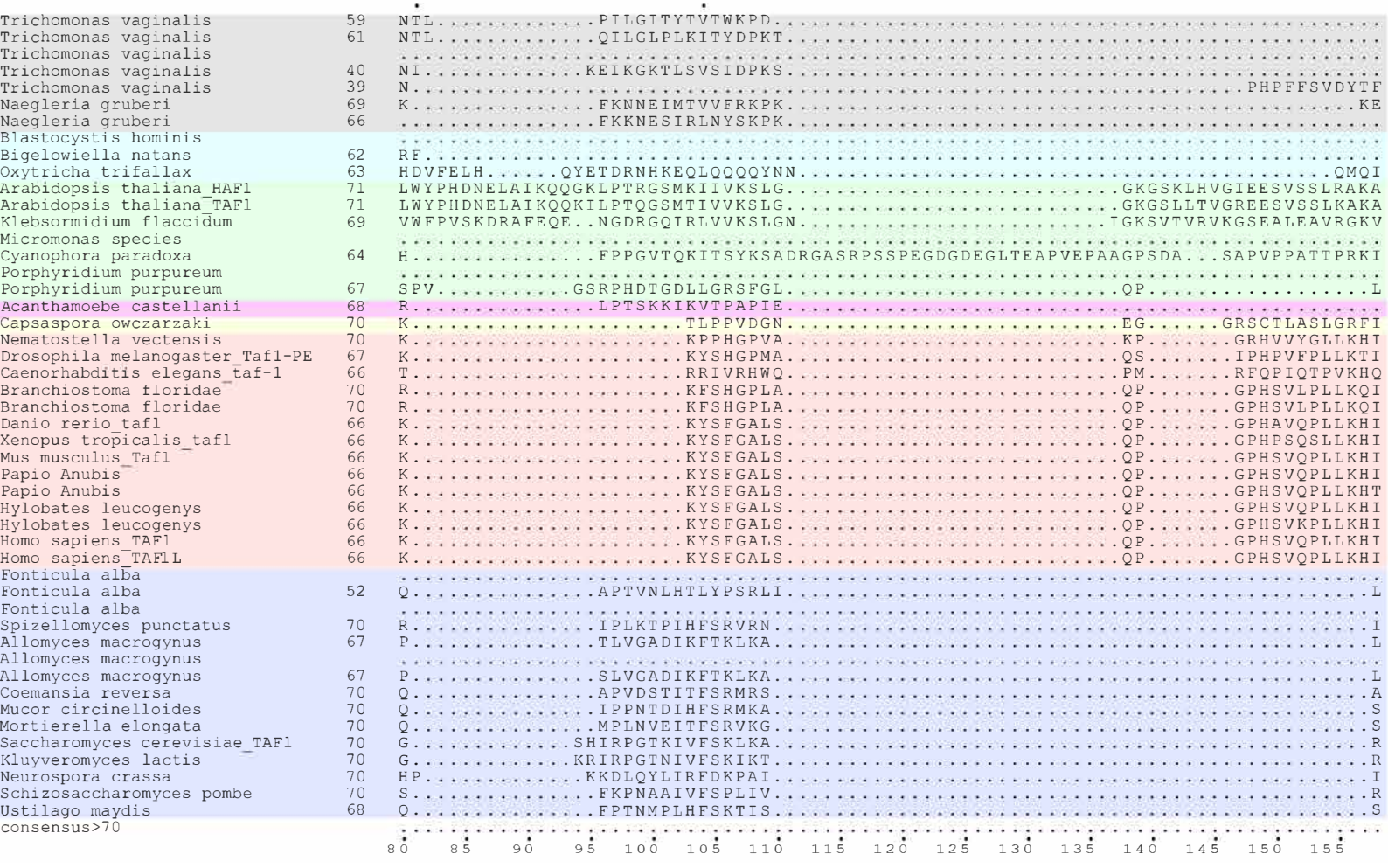
TAF1 Bromodomains, mafftlinsi (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S16

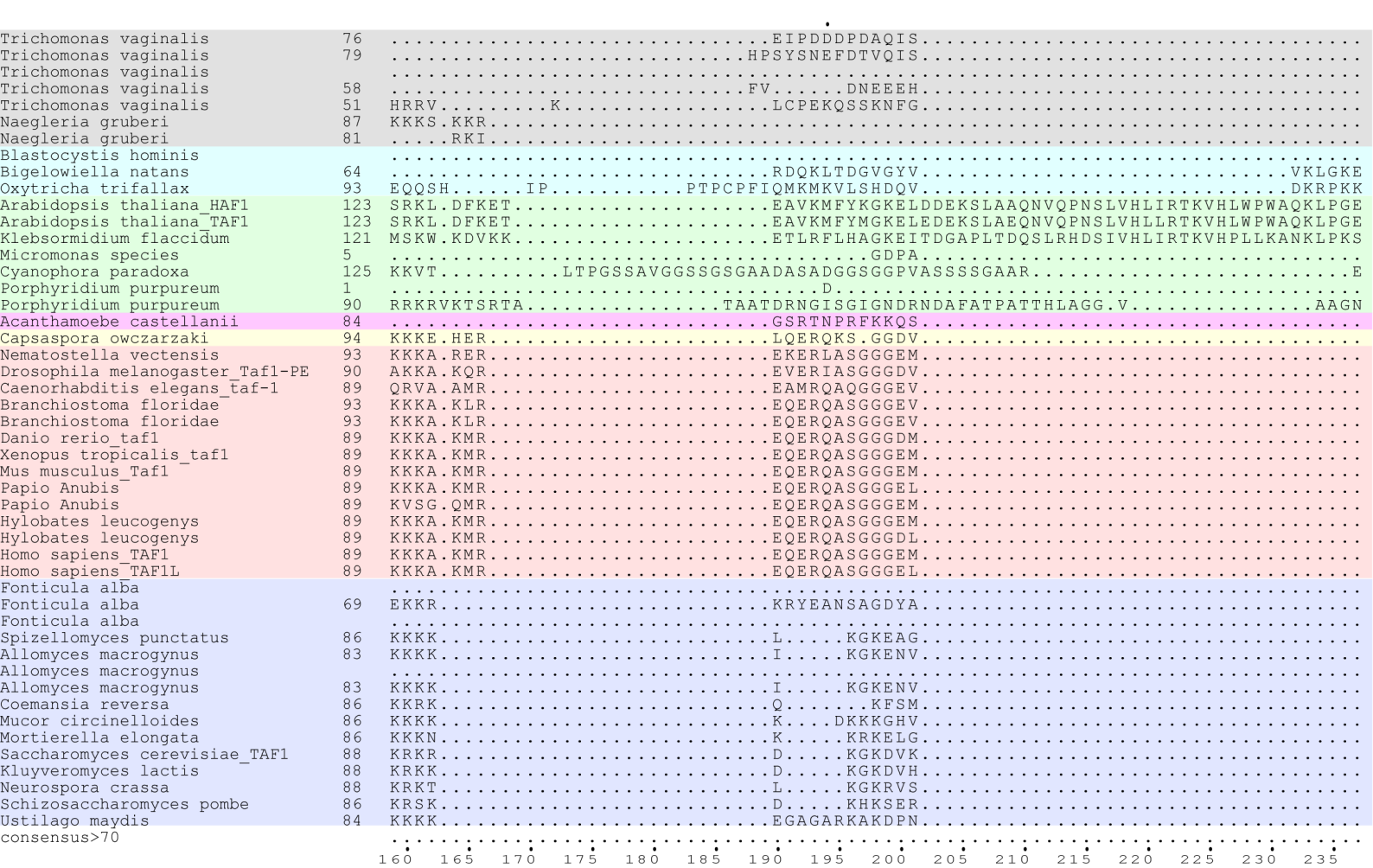


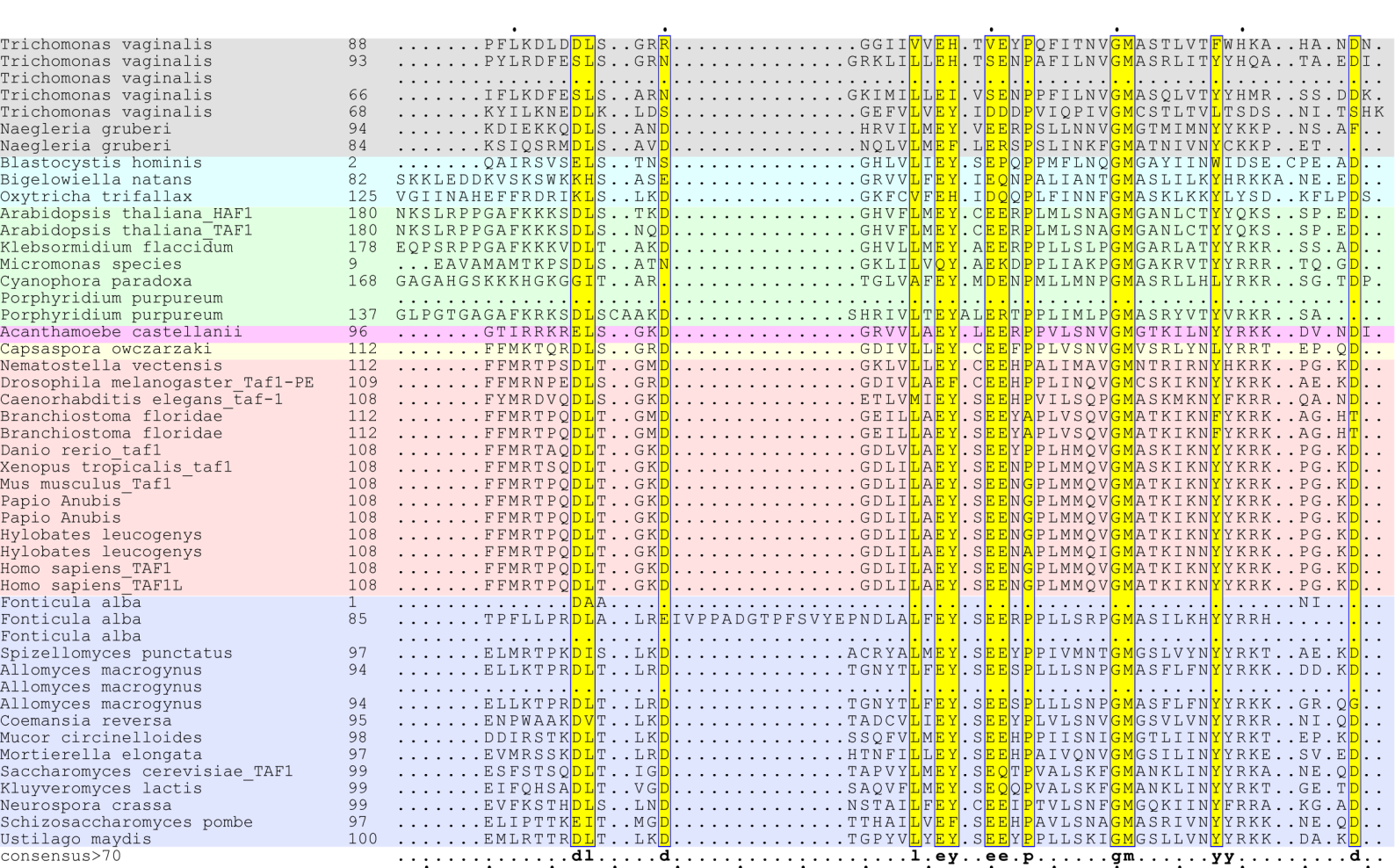
Supplemental Fig. S17

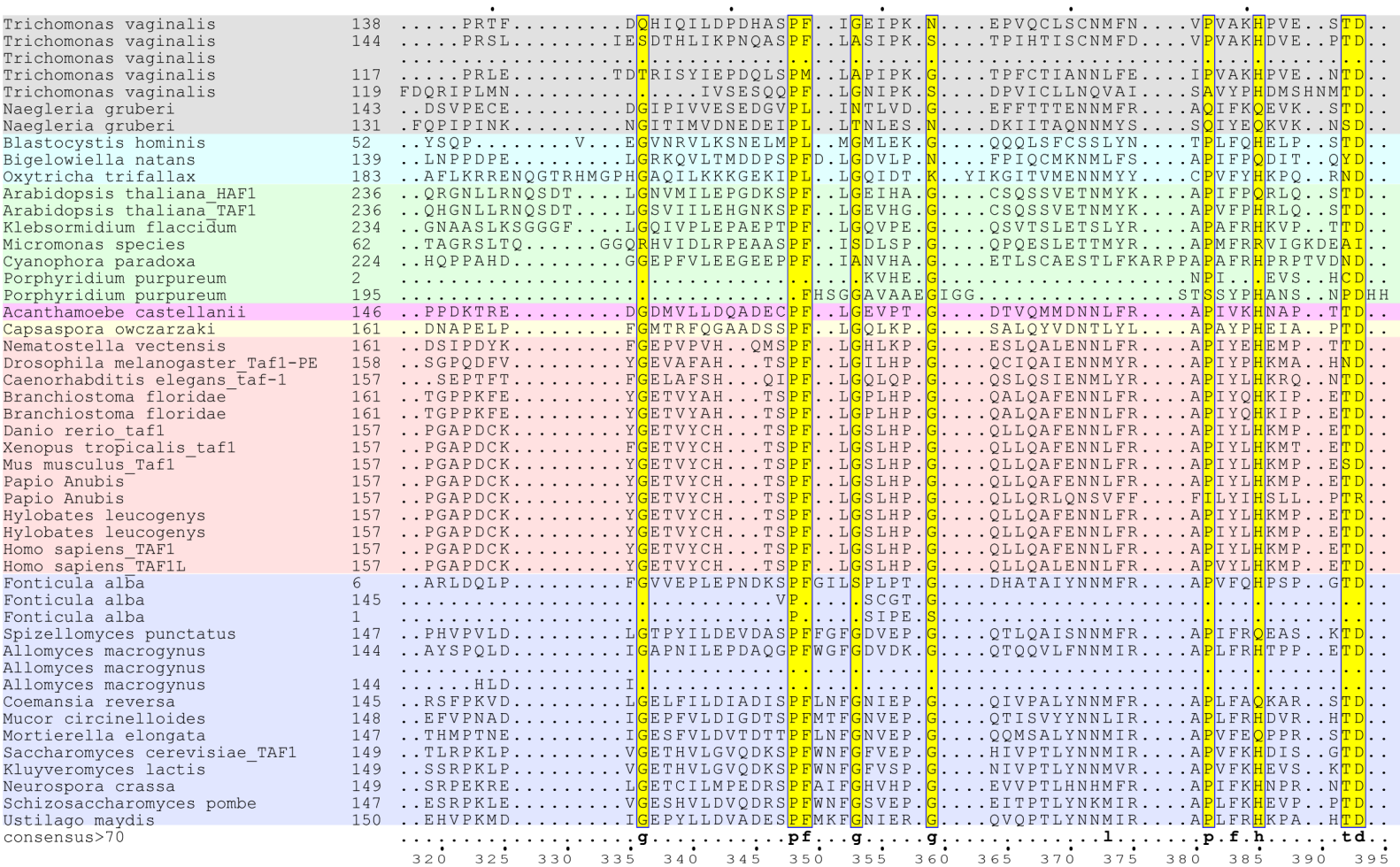




TAF1 DUF3591, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 2



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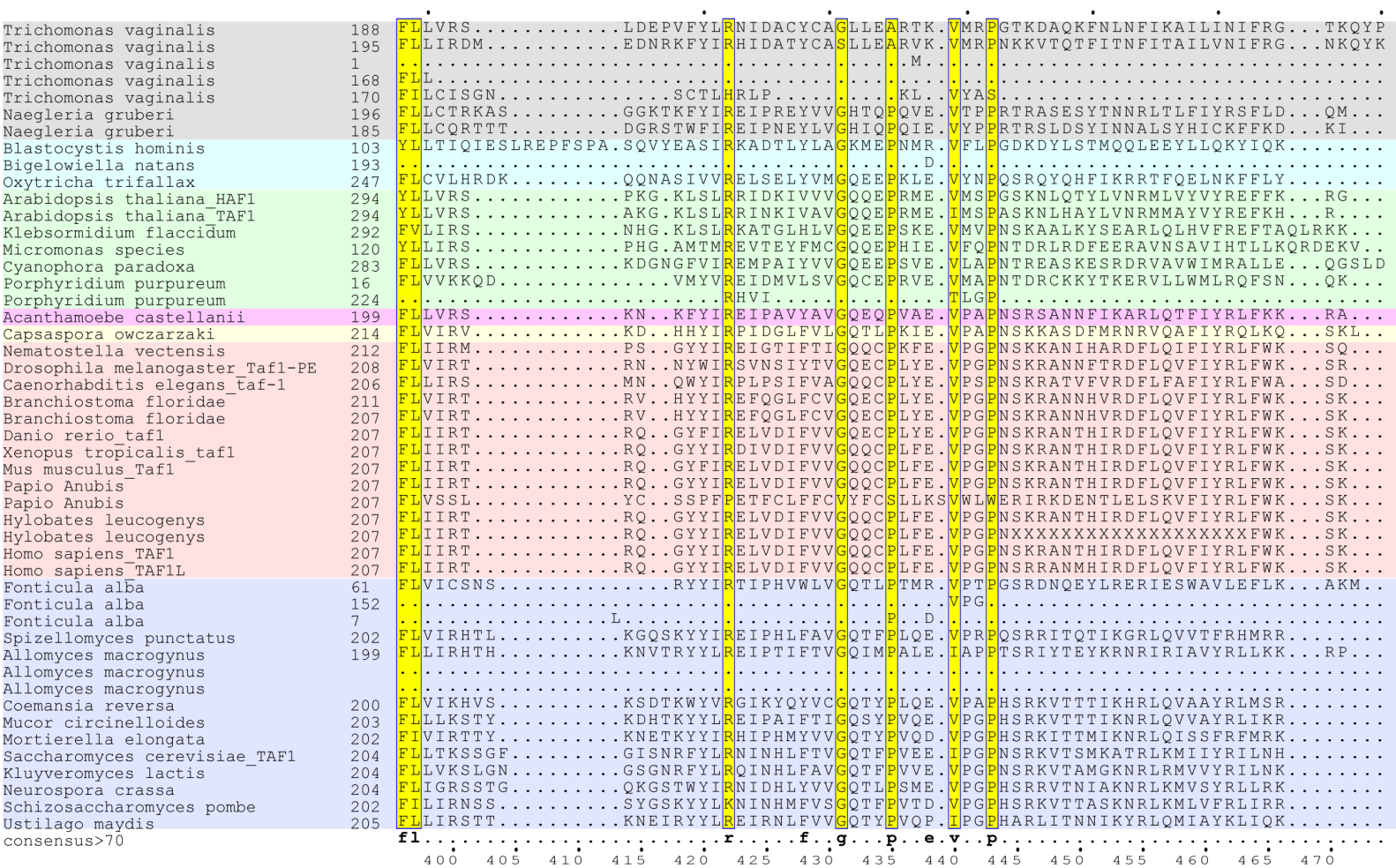
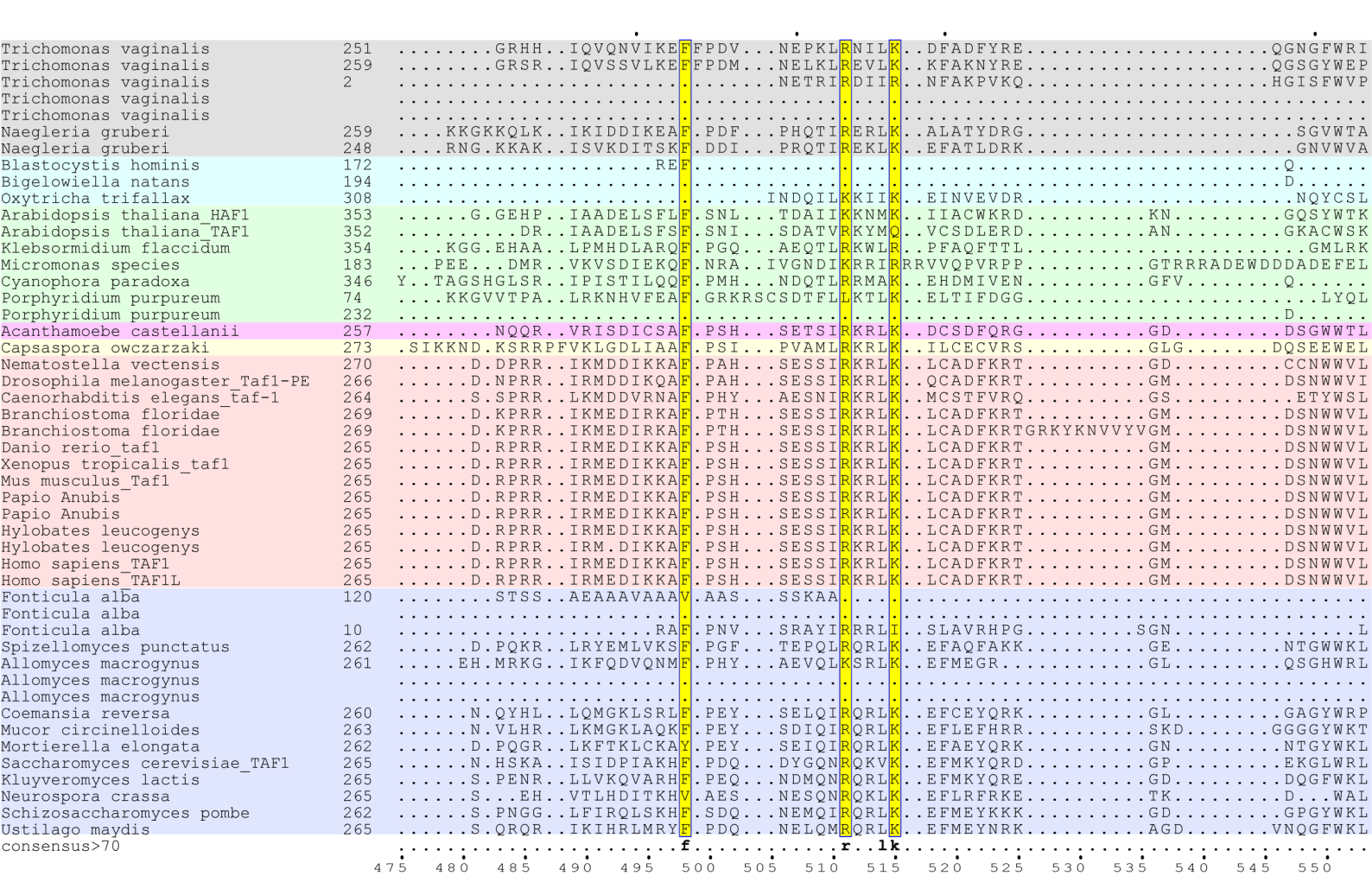
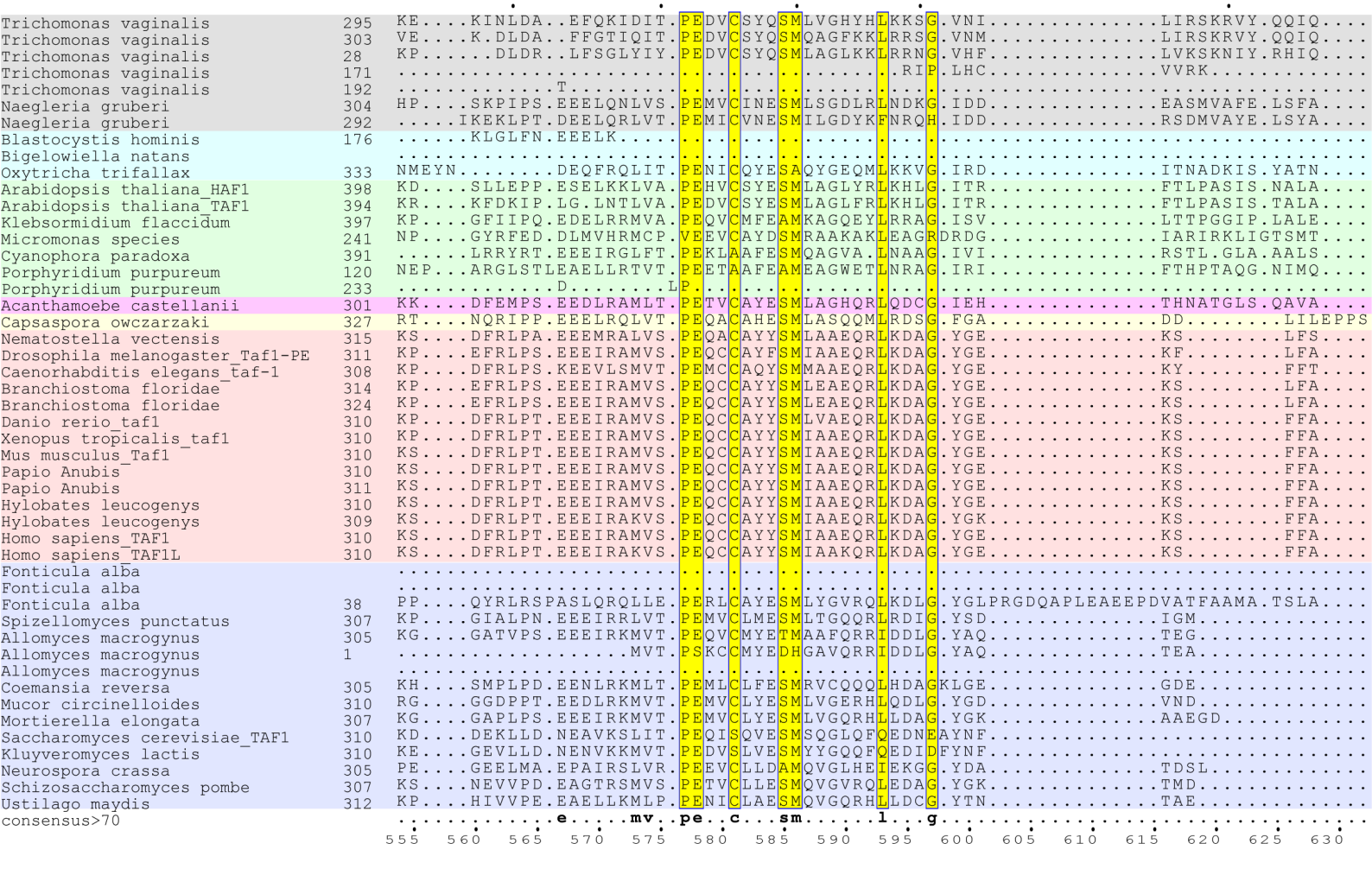
Trichomonas vaginalis 144
Trichomonas vaginalis
Trichomonas vaginalis 117
Trichomonas vaginalis 119
Naegleria gruberi 143
Naegleria gruberi 131
Blastocystis hominis 52
Bigelowiella natans 139
Oxytricha trifallax 183
Arabidopsis thaliana_HAF1 236
Arabidopsis thaliana_TAF1 236
Klebsormidium flaccidum 234
Micromonas species 62
Cyanophora paradoxa 224
Porphyridium purpureum 2
Porphyridium purpureum 195
Acanthamoebe castellanii 146
Capsaspora owczarzaki 161
Nematostella vectensis 161
Drosophila melanogaster_Taf1-PE 158
Caenorhabditis elegans_taf-1 157
Branchiostoma floridae 161
Branchiostoma floridae 161
Danio rerio_taf1 157
Xenopus tropicalis_taf1 157
Mus musculus_Taf1 157
Papio Anubis 157
Papio Anubis 157
Hylobates leucogenys 157
Hylobates leucogenys 157
Homo sapiens_TAF1 157
Homo sapiens_TAF1L 157
Fonticula alba 6
Fonticula alba 145
Fonticula alba 1
Spizellomyces punctatus 147
Allomyces macrogynus 144
Allomyces macrogynus
Allomyces macrogynus 144
Coemansia reversa 145
Mucor circinelloides 148
Mortierella elongata 147
Saccharomyces cerevisiae_TAF1 149
Kluyveromyces lactis 149
Neurospora crassa 149
Schizosaccharomyces pombe 147
Ustilago maydis 150
consensus>70
320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395

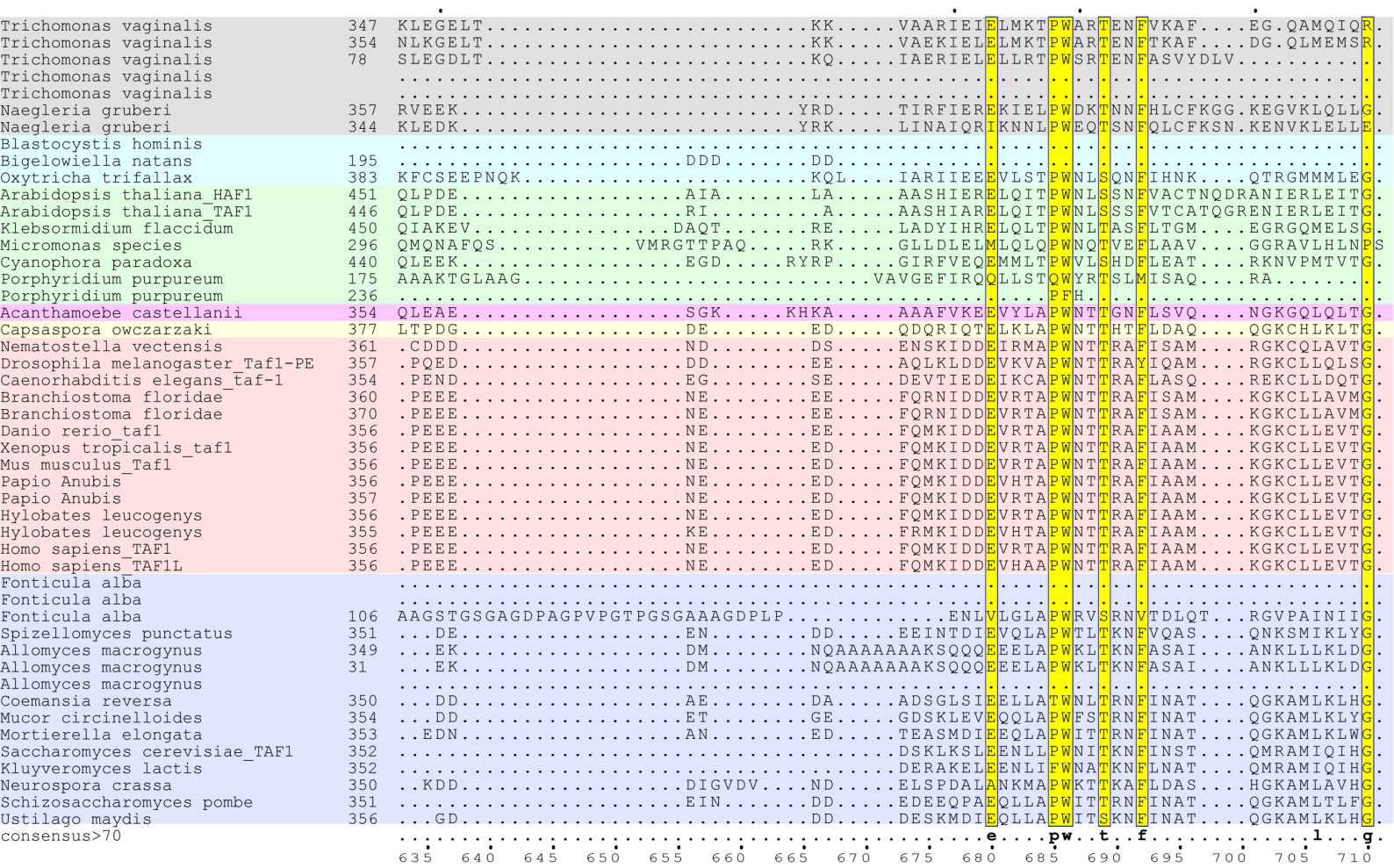

Trichomonas vaginalis 188
Trichomonas vaginalis 195
Trichomonas vaginalis 1
Trichomonas vaginalis 168
Trichomonas vaginalis 170
Naegleria gruberi 196
Naegleria gruberi 185
Blastocystis hominis 103
Bigelowiella natans 193
Oxytricha trifallax 247
Arabidopsis thaliana_HAF1 294
Arabidopsis thaliana_TAF1 294
Klebsormidium flaccidum 292
Micromonas species 120
Cyanophora paradoxa 283
Porphyridium purpureum 16
Porphyridium purpureum 224
Acanthamoebe castellanii 199
Capsaspora owczarzaki 214
Nematostella vectensis 212
Drosophila melanogaster_Taf1-PE 208
Caenorhabditis elegans_taf-1 206
Branchiostoma floridae 211
Branchiostoma floridae 207
Danio rerio_taf1 207
Xenopus tropicalis_taf1 207
Mus musculus_Taf1 207
Papio Anubis 207
Papio Anubis 207
Hylobates leucogenys 207
Hylobates leucogenys 207
Homo sapiens_TAF1 207
Homo sapiens_TAF1L 207
Fonticula alba 61
Fonticula alba 152
Fonticula alba 7
Spizellomyces punctatus 202
Allomyces macrogynus 199
Allomyces macrogynus
Allomyces macrogynus
Coemansia reversa 200
Mucor circinelloides 203
Mortierella elongata 202
Saccharomyces cerevisiae_TAF1 204
Kluyveromyces lactis 204
Neurospora crassa 204
Schizosaccharomyces pombe 202
Ustilago maydis 205
consensus>70
400 405 410 415 420 425 430 435 440 445 450 455 460 465 470

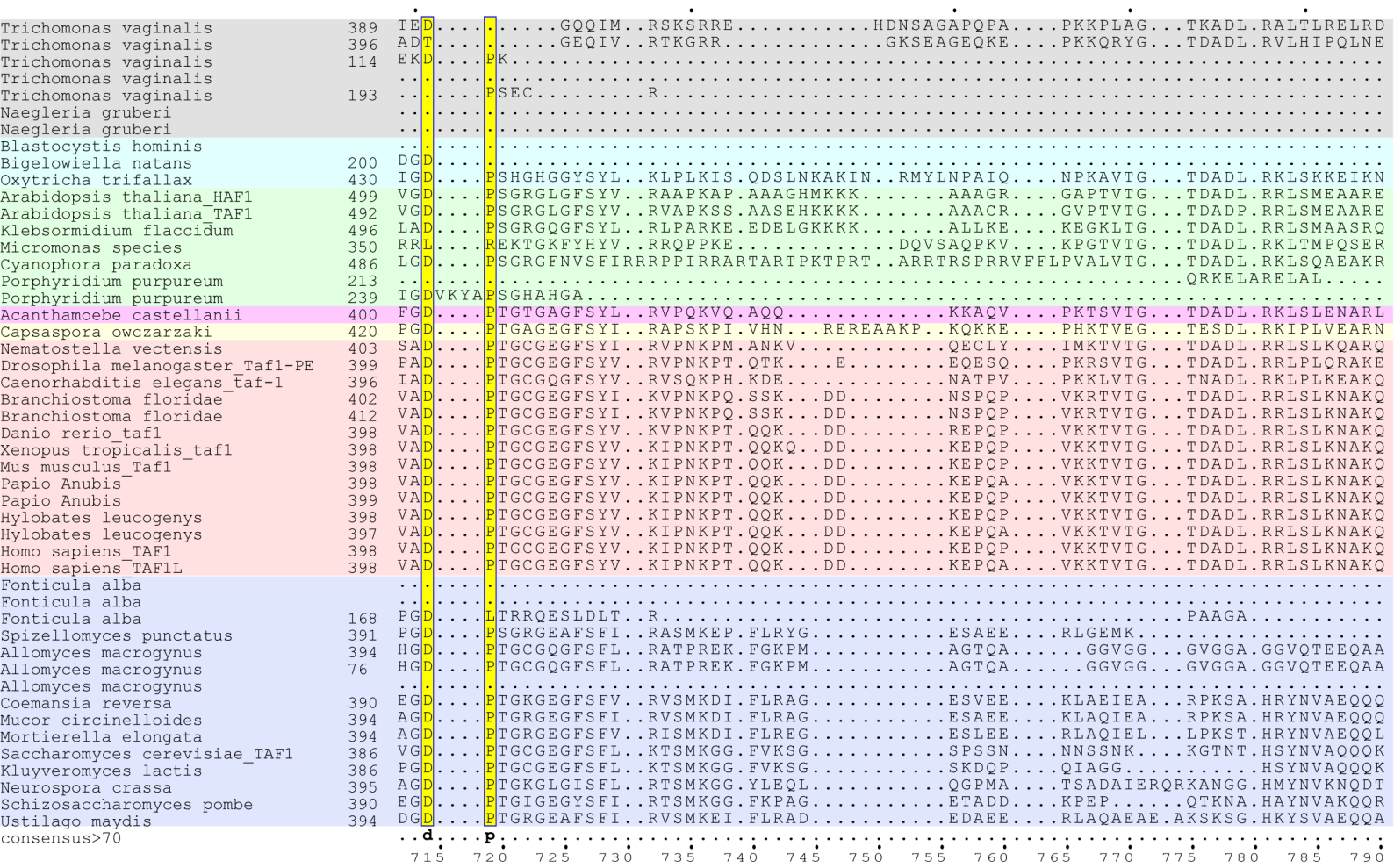
TAF1 DUF3591, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 4





TAF1 DUF3591, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 5



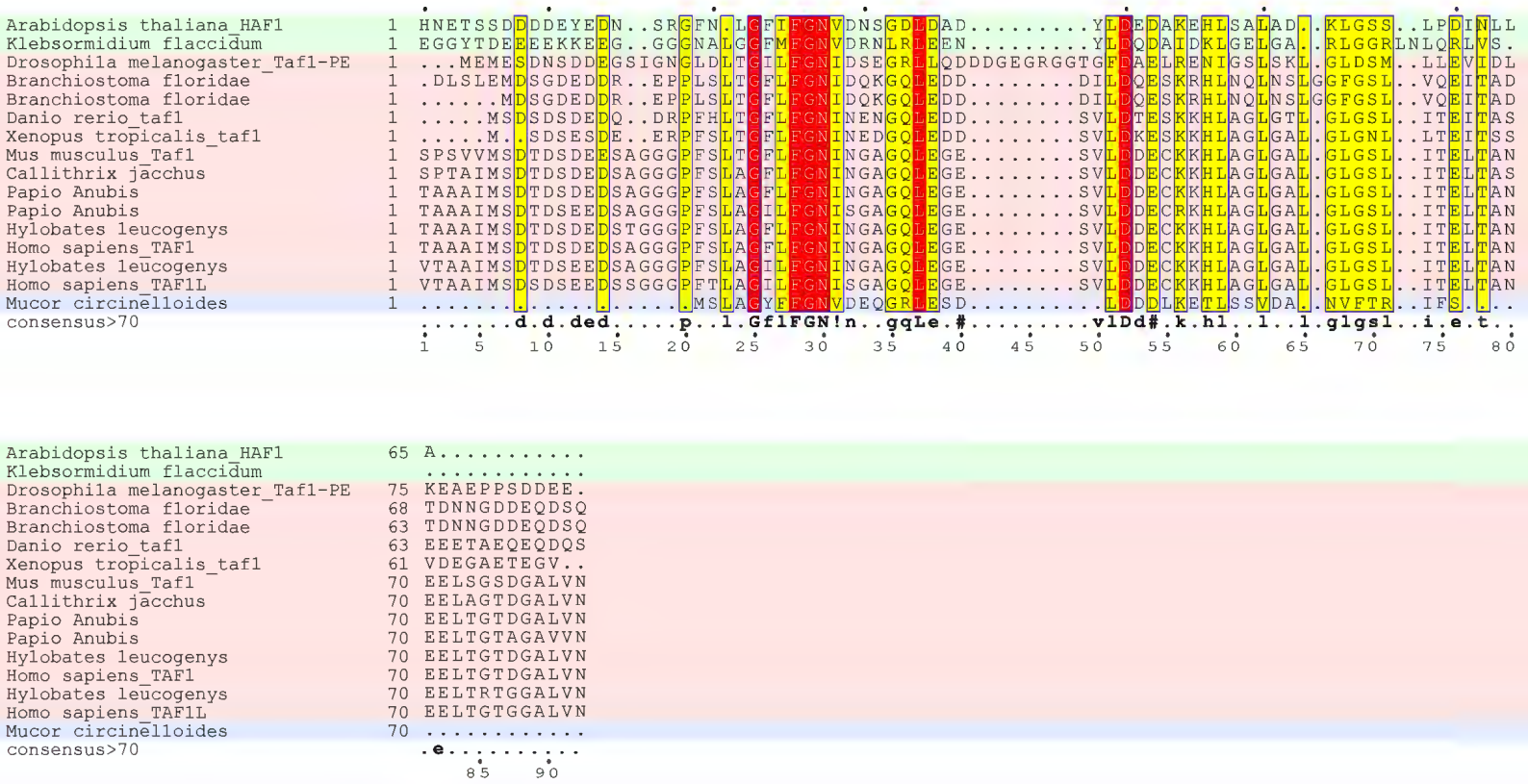


TAF1 DUF3591, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 6

```
                                   .                .           .
Trichomonas vaginalis           437  KL.VSLGVPTGEIERLSRWNQVALLRELANSKAQ
Trichomonas vaginalis           442  KL.RSYGIPEEQIARLLRWDKVKLLREITSNQMK
Trichomonas vaginalis                ..................................
Trichomonas vaginalis                ..................................
Trichomonas vaginalis                ..................................
Naegleria gruberi                    ..................................
Naegleria gruberi                    ..................................
Blastocystis hominis                 ..................................
Bigelowiella natans                  ..................................
Oxytricha trifallax             492  KL.IDLGFKEEAISSFTRWEMVALLRDKSSQAVS
Arabidopsis thaliana_HAF1       556  VL.IKFNVPDEIIAKQTRWHRIAMIRKLSSEQAA
Arabidopsis thaliana_TAF1       549  VL.LKFNVPDEIIAKQTQRHRTAMIRKISSEQAA
Klebsormidium flaccidum         553  ML.LNFGVREADIPKN.RWRRIEMV.........
Micromonas species              402  IL.KGFGVPESTIKSLHRWKRIGLIRELSGAAT.
Cyanophora paradoxa             555  IITKEFGVPEDQVPTA.RW...............
Porphyridium purpureum               ..................................
Porphyridium purpureum               ..................................
Acanthamoebe castellanii        451  VL.LKFGVSEDVIEKLGRWERIDLVREKSSAAAA
Capsaspora owczarzaki           479  MLQQKFGISLSQTSKMPRWDVIALLRKMSSSQG.
Nematostella vectensis          455  VL.RDFGVSDEEIKKLSRWEVIDVVRTMSTEAA.
Drosophila melanogaster_Taf1-PE 451  LL.RQFKVPEEEIKKLSRWEVIDVVRTLSTEKA.
Caenorhabditis elegans_taf-1    447  IC.RGYGVKEEEISALTRWEIIDVIRTLSTQAA.
Branchiostoma floridae          455  LL.RKFGVSEEEIKKLSRWEVIDVVRTMSTEQA.
Branchiostoma floridae          465  LL.RKFGVSEEEIKKLSRWEVIDVVRTMSTEQA.
Danio rerio_taf1                451  LL.RKFGVPEEEIKKLSRWEVIDVVRTMSTEQA.
Xenopus tropicalis_taf1         452  LL.RKFGVPEEEIKKLSRWEVIDVVRTMSTEQA.
Mus musculus_Taf1               451  LL.RKFGVPEEEIKKLSRWEVIDVVRTMSTEQA.
Papio Anubis                    451  LL.RKFGVPEEEIKKLSRWEVIDVVRTMSTEQA.
Papio Anubis                    452  LL.RKFGVPEEEIKKLSRWEVIDVVRTMSTEQA.
Hylobates leucogenys            451  LL.RKFGVPEEEV.SLSRW.VIDVVR........
Hylobates leucogenys            450  LL.RKFGVPEEEIKKLSRWEVIDVVRTMSTEQA.
Homo sapiens_TAF1               451  LL.RKFGVPEEEIKKLSRWEVIDVVRTMSTEQA.
Homo sapiens_TAF1L              451  LL.RKFGVPEEEIKKLSRWEVIDVVRTMSTEQA.
Fonticula alba                       ..................................
Fonticula alba                       ..................................
Fonticula alba                  188  ................NWTAR.............
Spizellomyces punctatus         428  ...........MTNILHL................
Allomyces macrogynus            445  AY.......HRQIREIWERQVAALSSPVATDPPL
Allomyces macrogynus            127  AY.......HRQIREIWERQVAALSSPVATAPPL
Allomyces macrogynus            148  ...............WRTQHS.............
Coemansia reversa               443  IY.......KEEITCTWNKQFRALTRPDPPAEHE
Mucor circinelloides            447  IY.......REEIARIWKAQLDSLGNKVEPVLSD
Mortierella elongata            447  VY.......KEEITRIWNAQRAALSKIEEIDGGD
Saccharomyces cerevisiae_TAF1   438  AY.......DEEIAKTWYTHTKSLSISNPFEEMT
Kluyveromyces lactis            432  AY.......EEEISRTWYNQAKSLSIQNPFEEMD
Neurospora crassa               451  LY.......TEALTDIWNRQRESLLDSQEHDDED
Schizosaccharomyces pombe       440  AY.......EEEINRIWNAQKRGLSINNLEELA.
Ustilago maydis                 449  VY.......RSEIDRIWNAQCRSLSNPVPPKLTA
consensus>70                         ..................................
                                      795  800  805  810  815  820
```

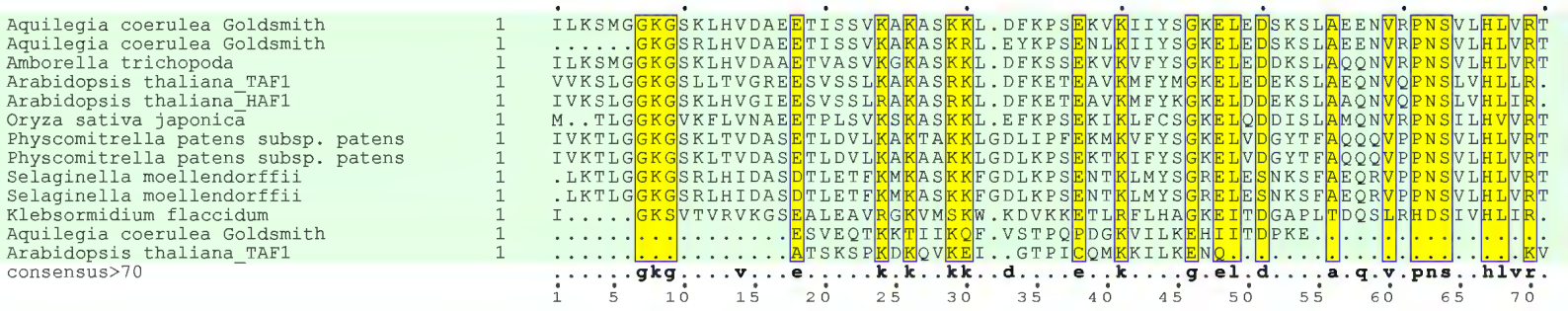
TAF1 TAND, mafftlinsi (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S18



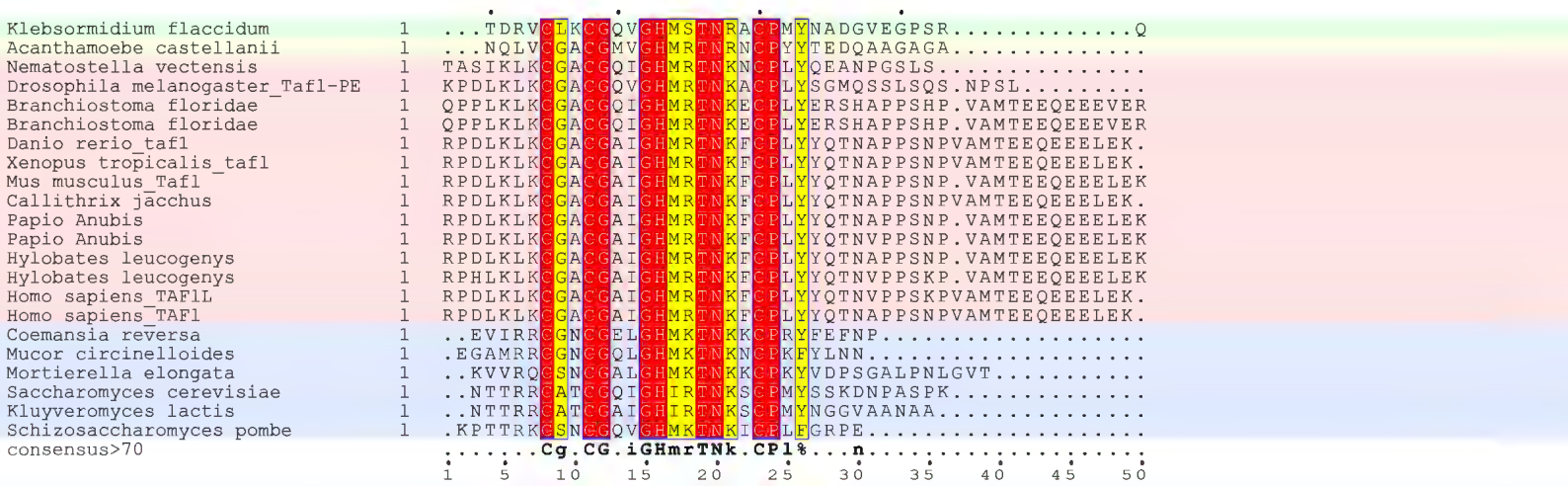
TAF1 ubiquitin, mafftlinsi (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S19

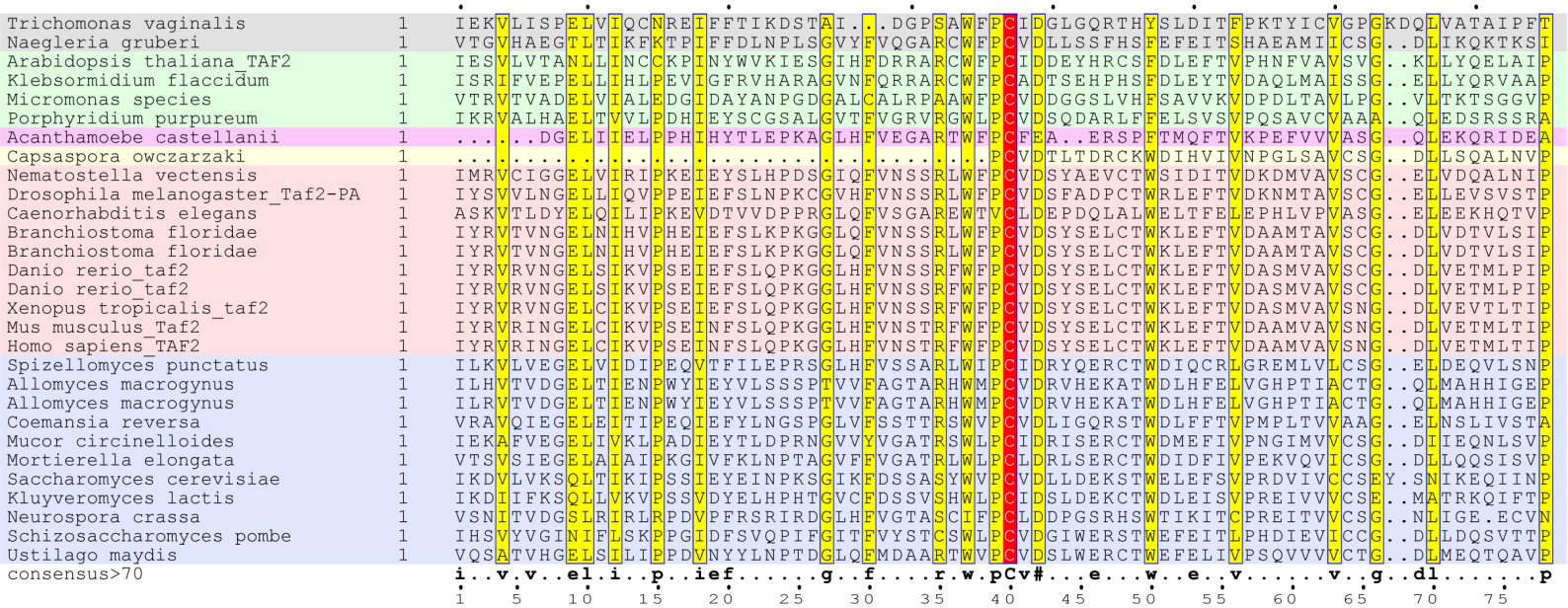


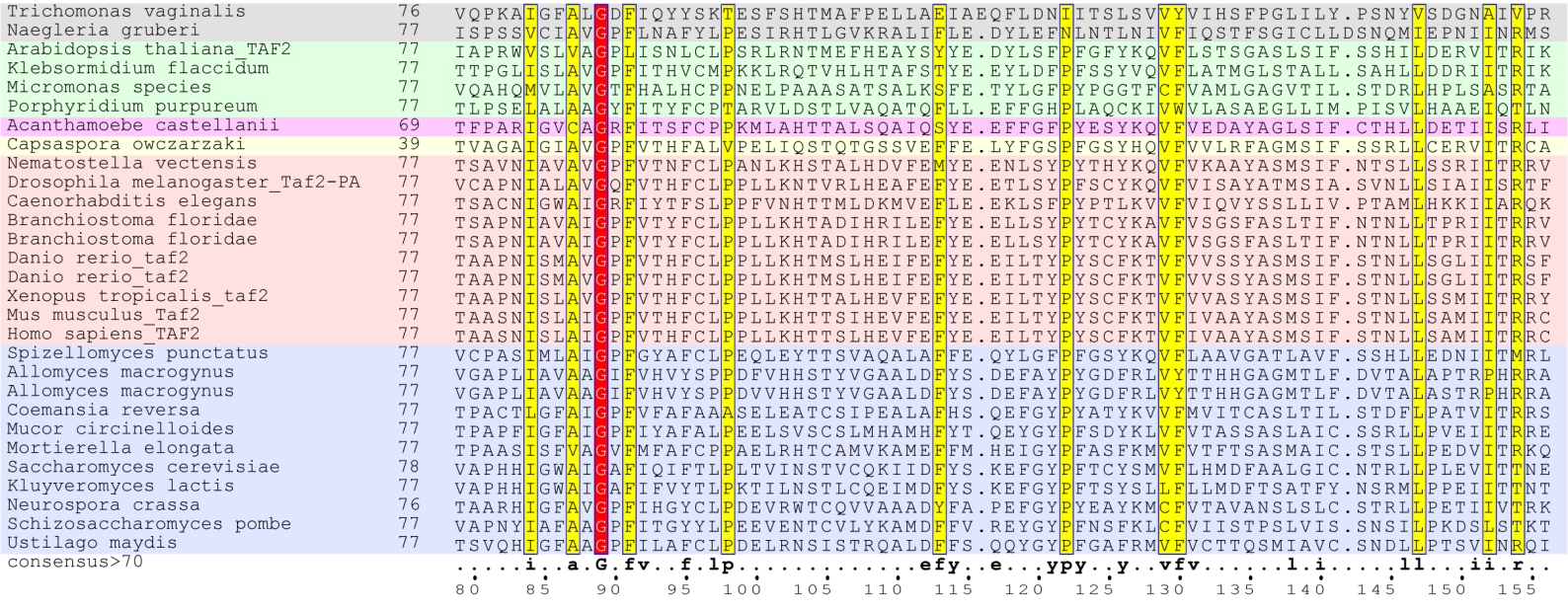
TAF1 Zf CCHC, mafftlinsi (conservation > 70%: yellow - partial; red - complete)

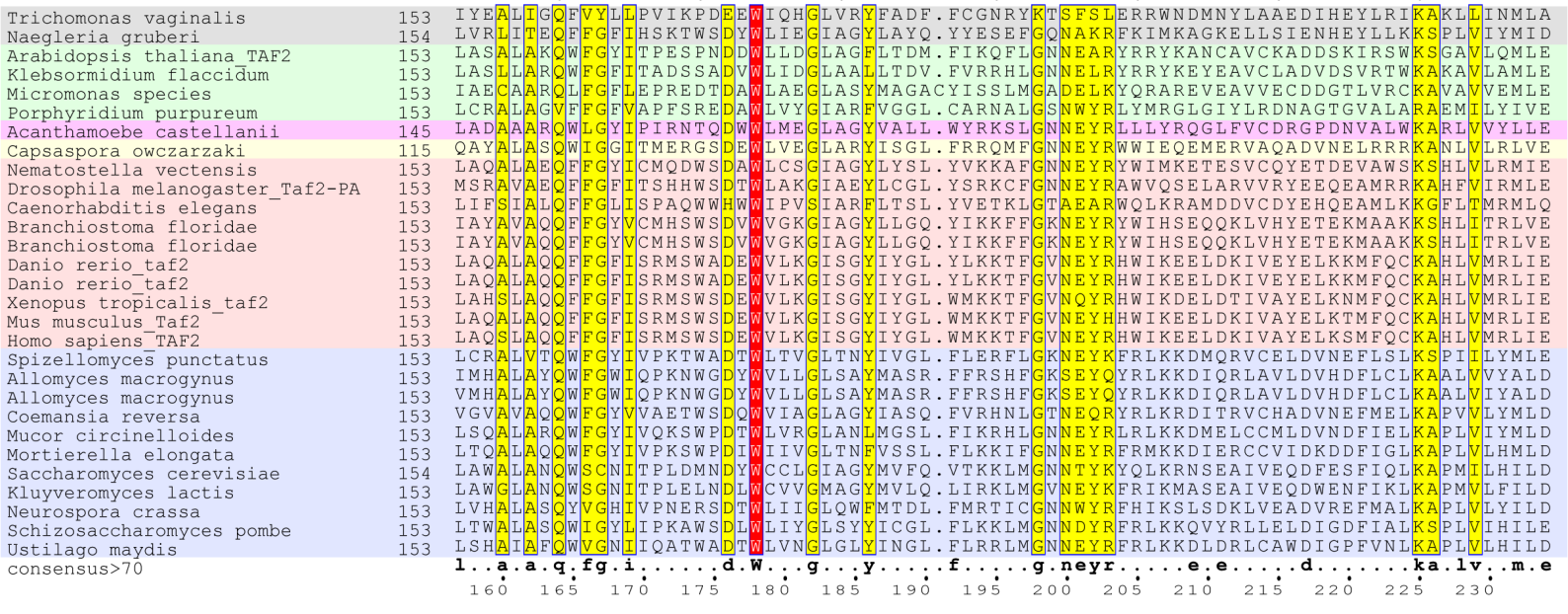
Supplemental Fig. S20



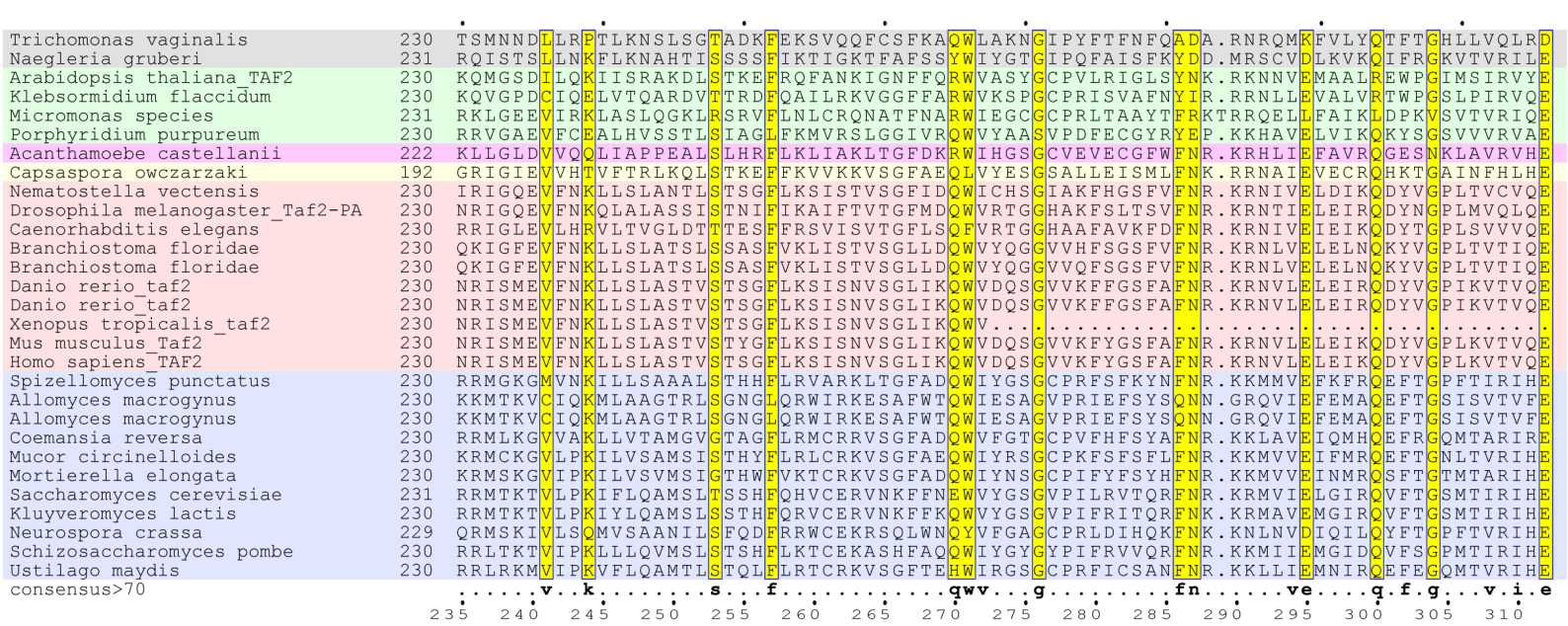
Supplemental Fig. S21

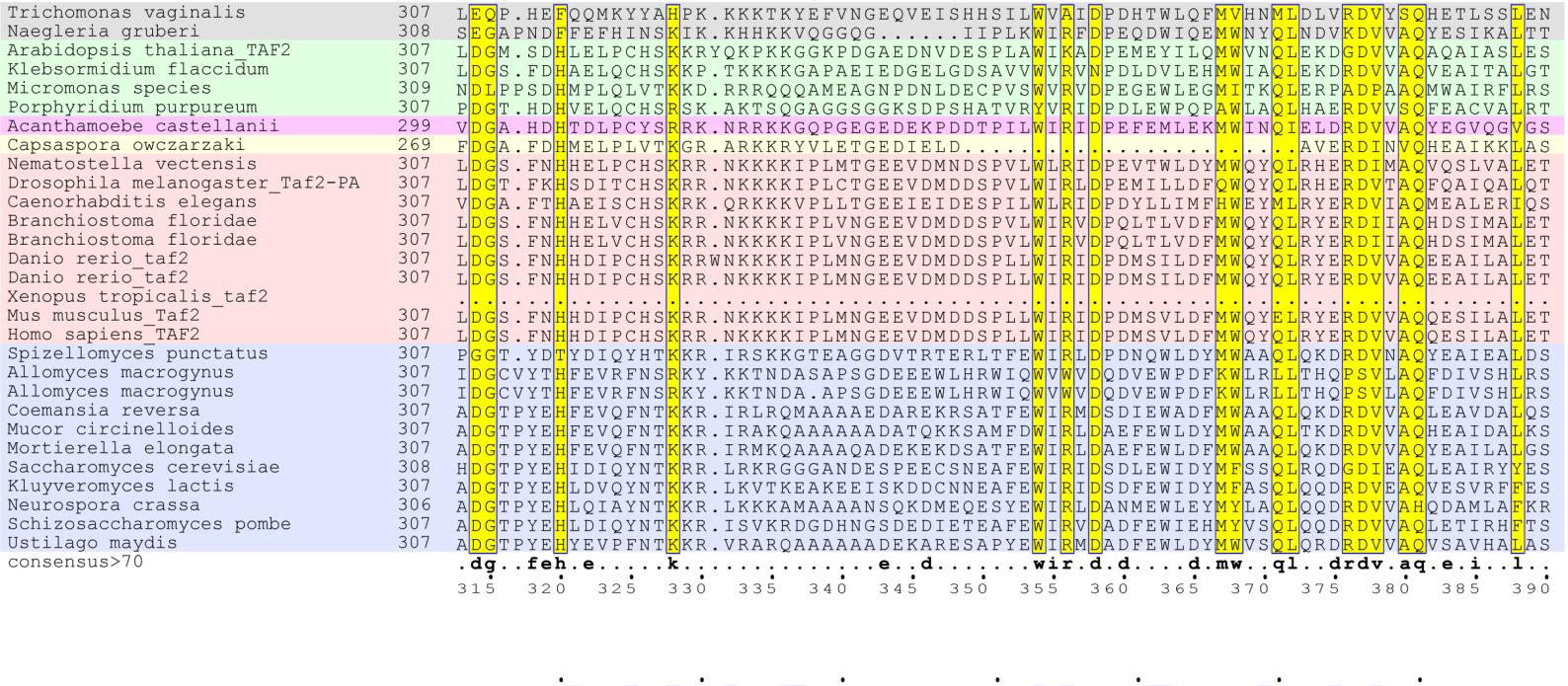


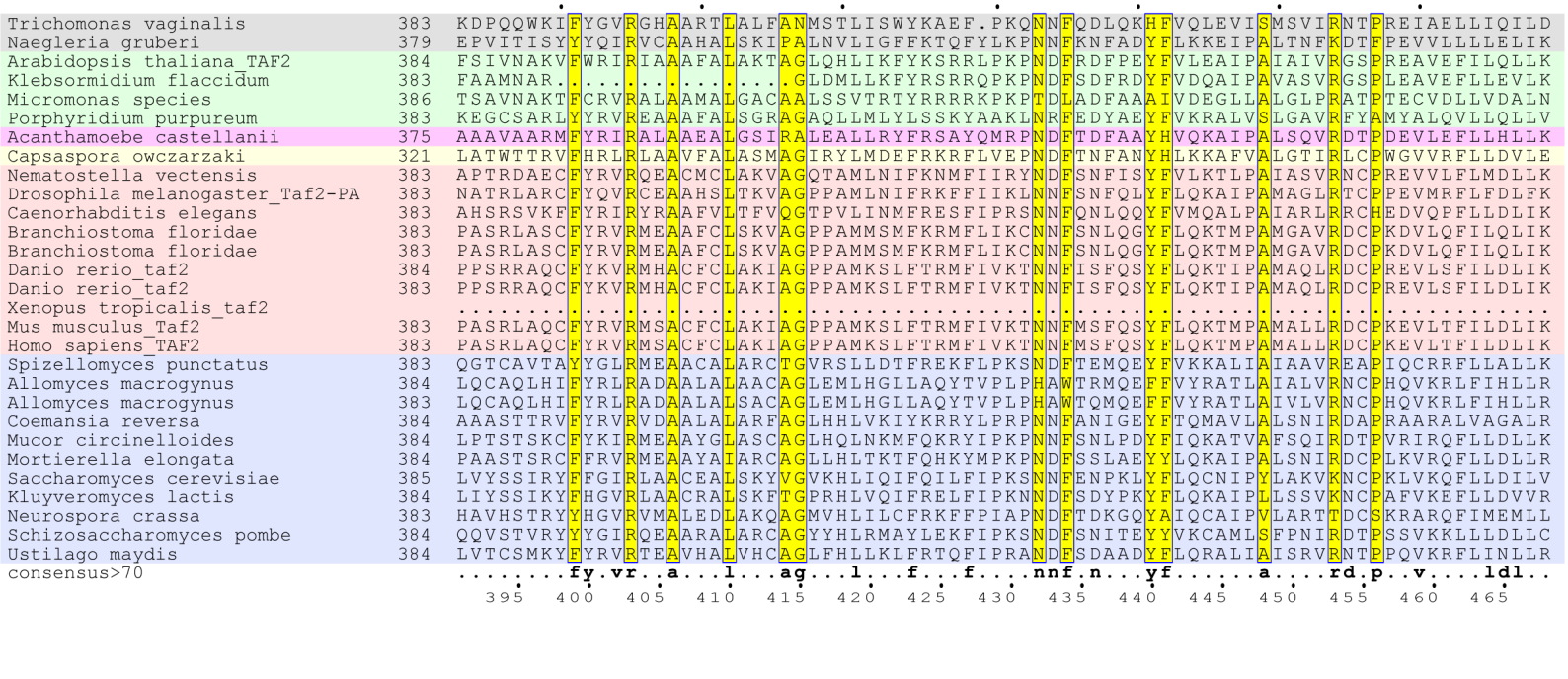




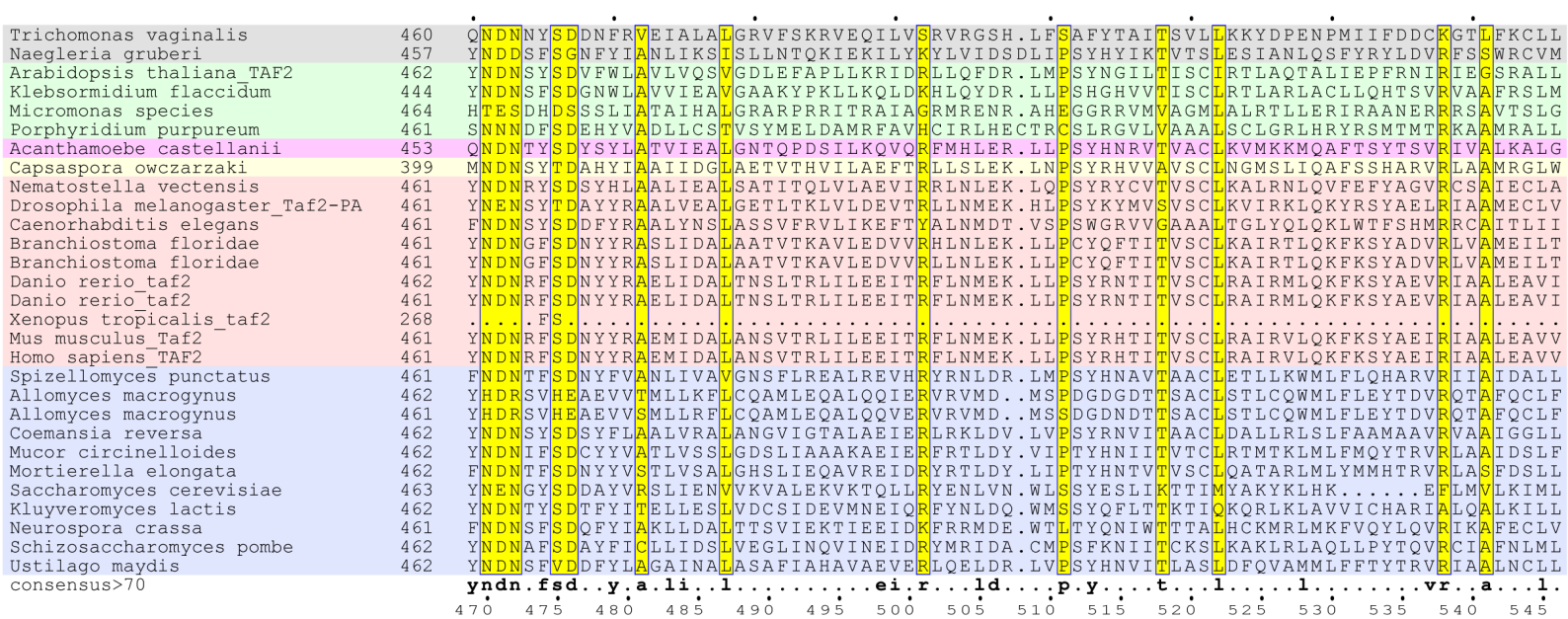
TAF2 protein, trimAL (conservation > 70%: yellow - partial; red - complete) - page 2

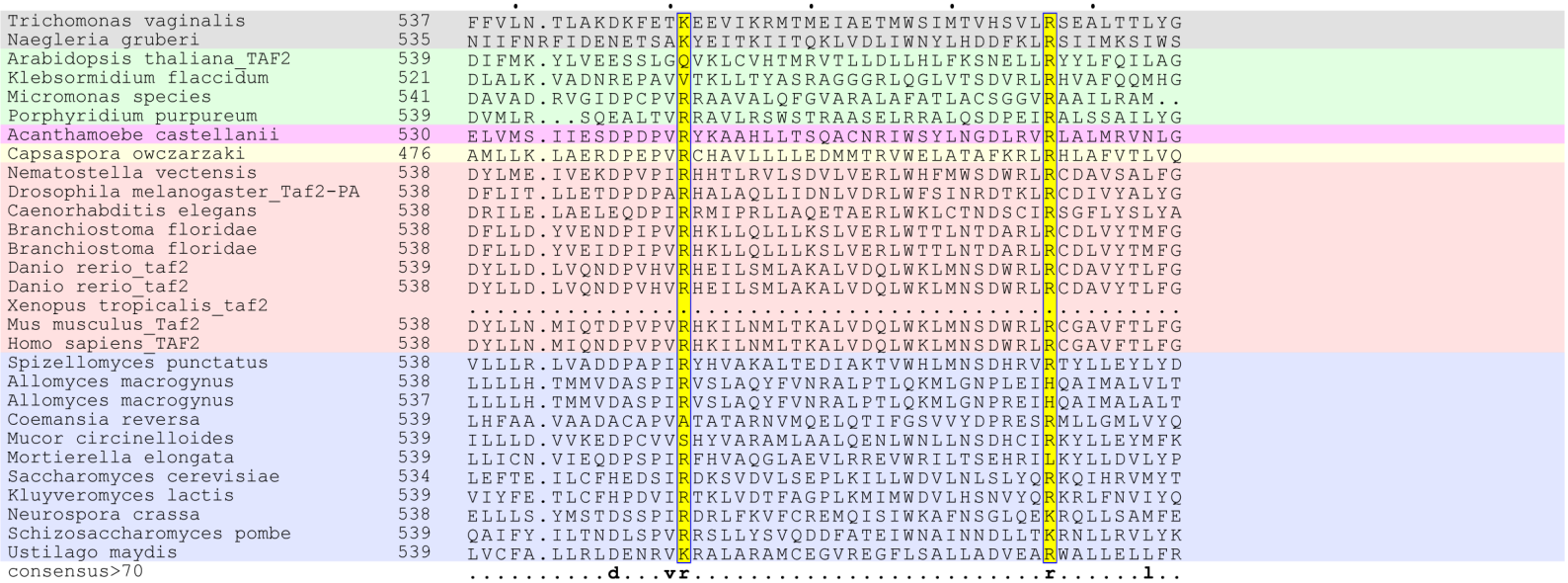






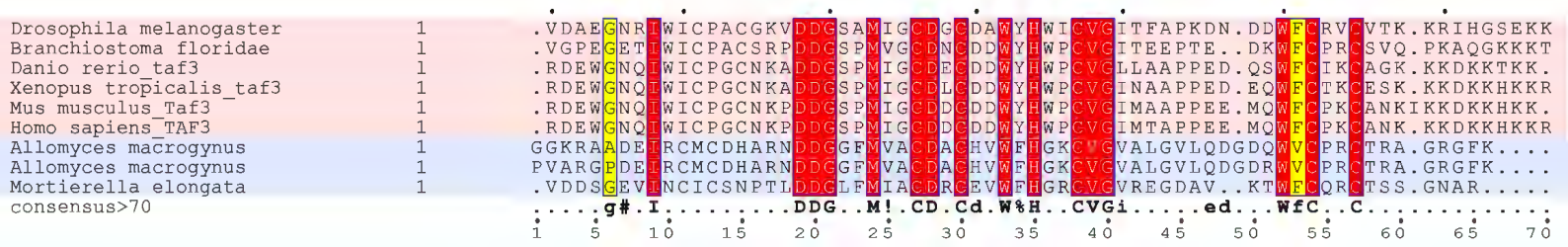
TAF2 protein, trimAL (conservation > 70%: yellow - partial; red - complete) - page 3



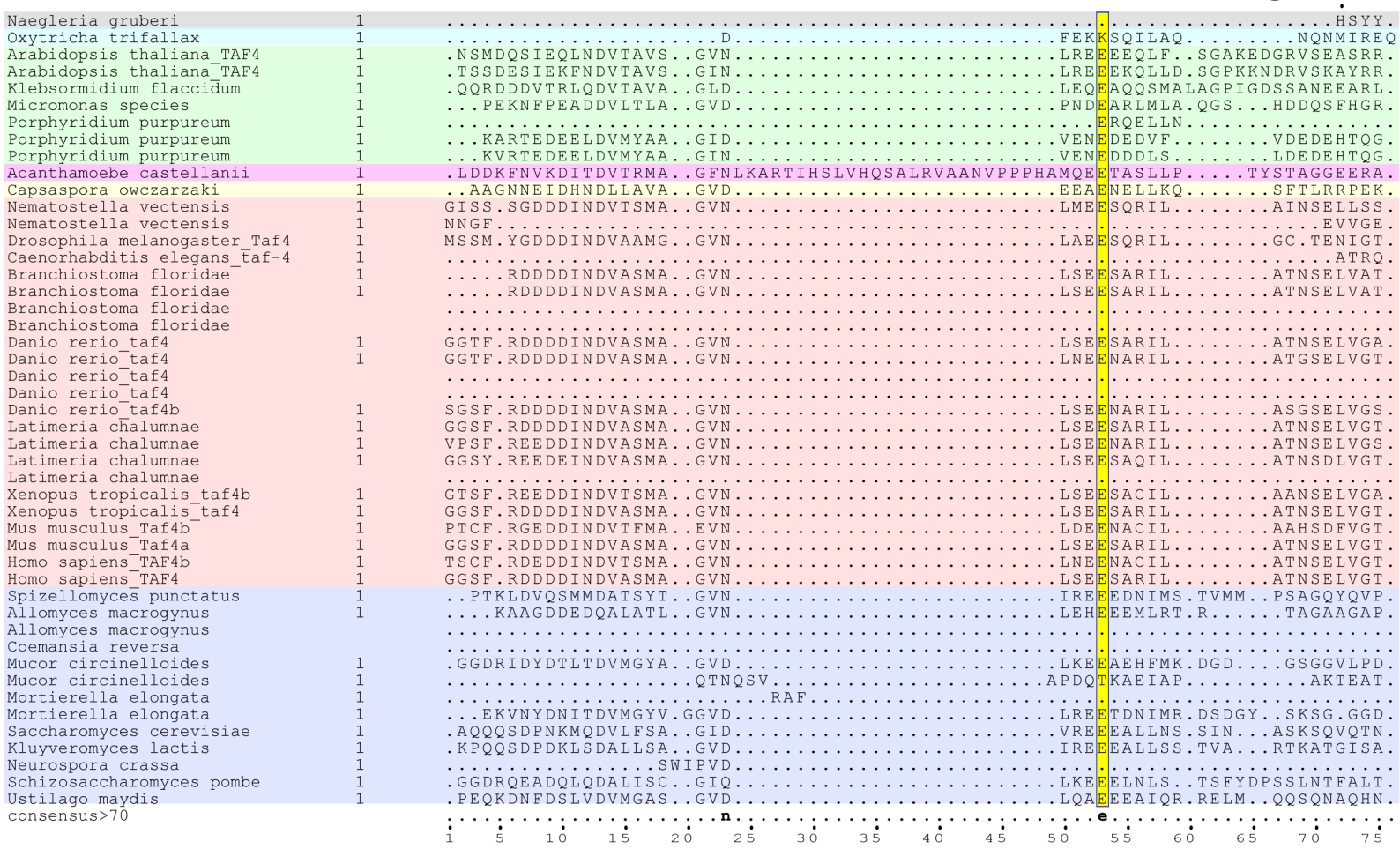


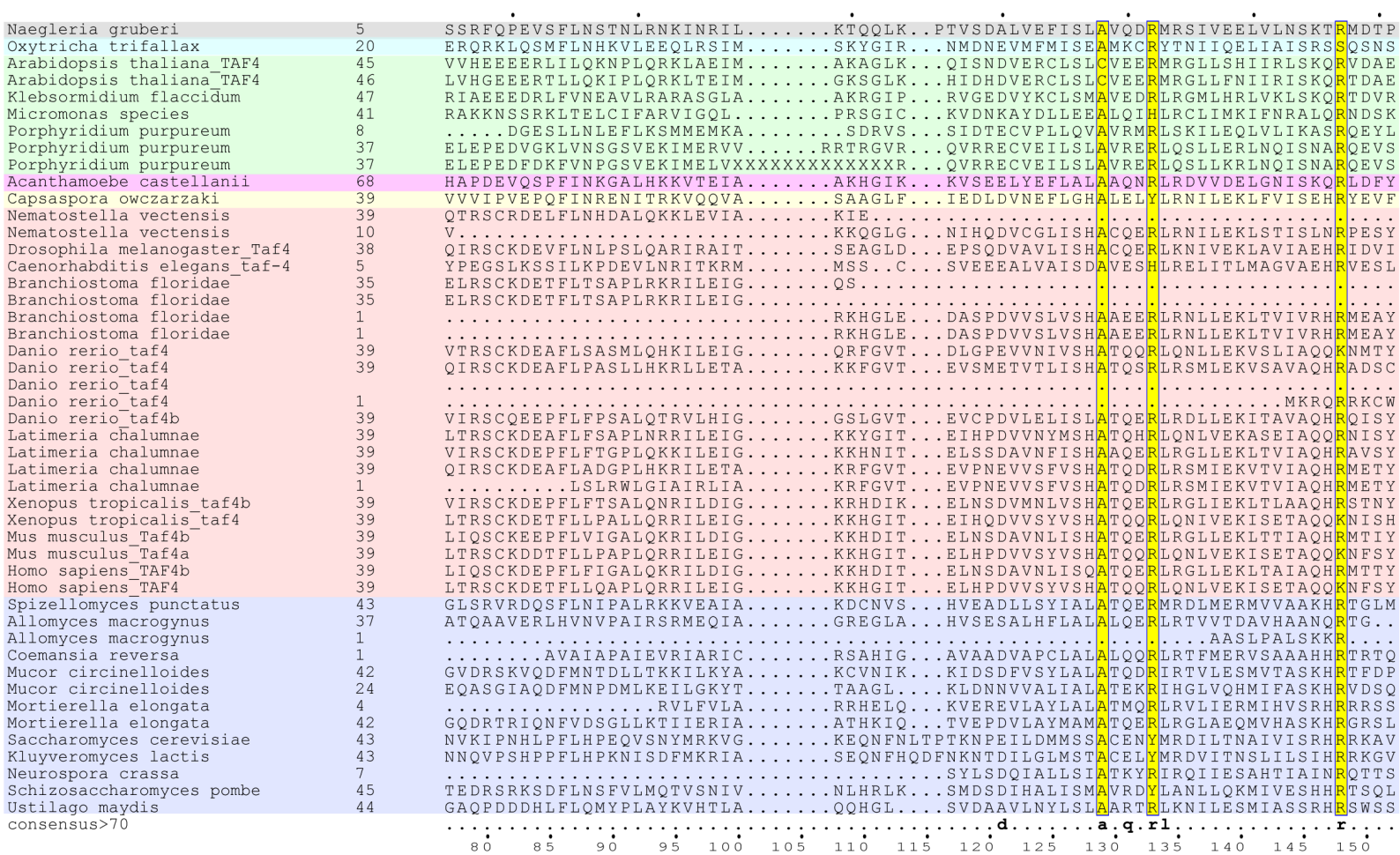
TAF3 PHD, mafftlinsi (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S22

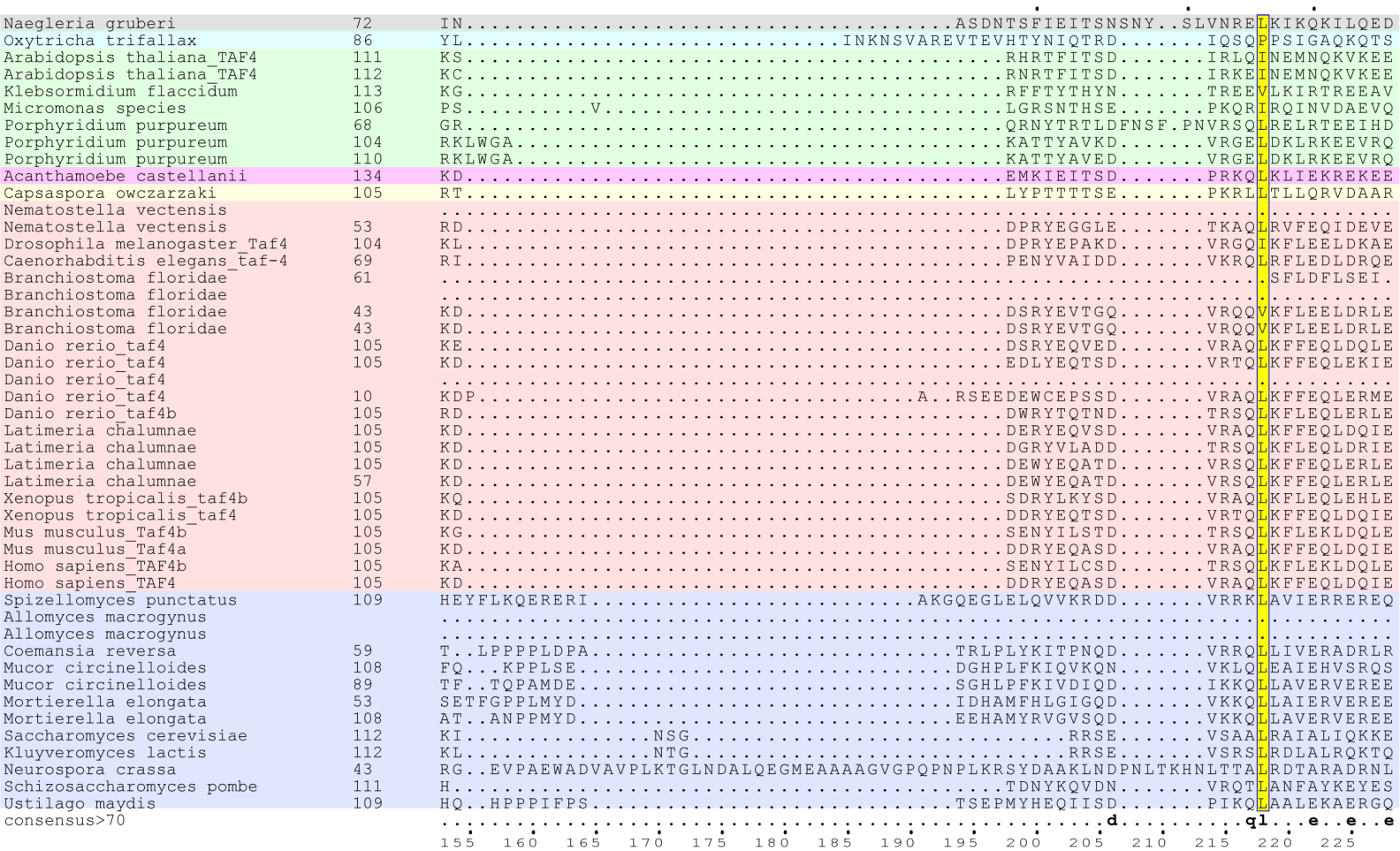


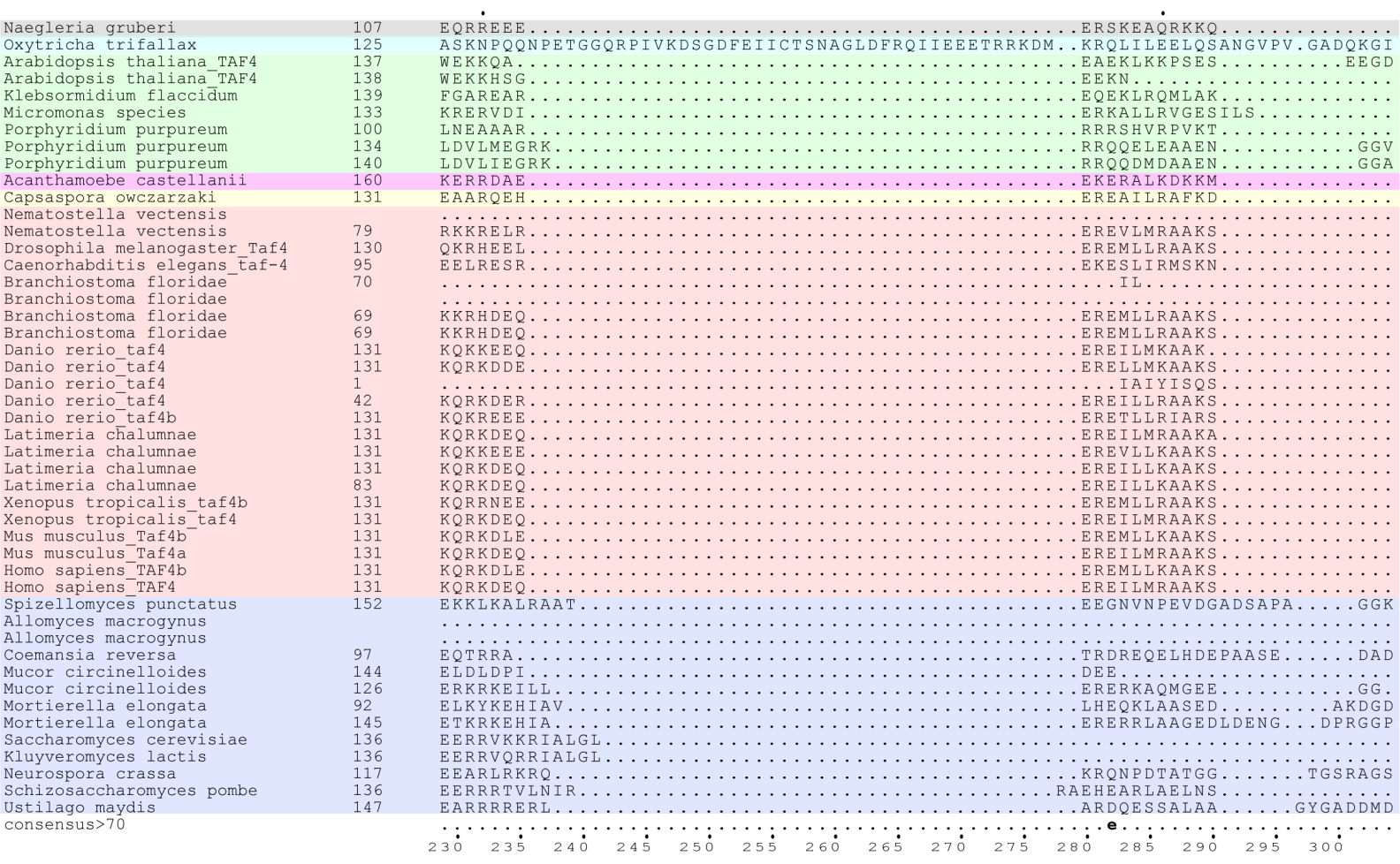
Supplemental Fig. S23

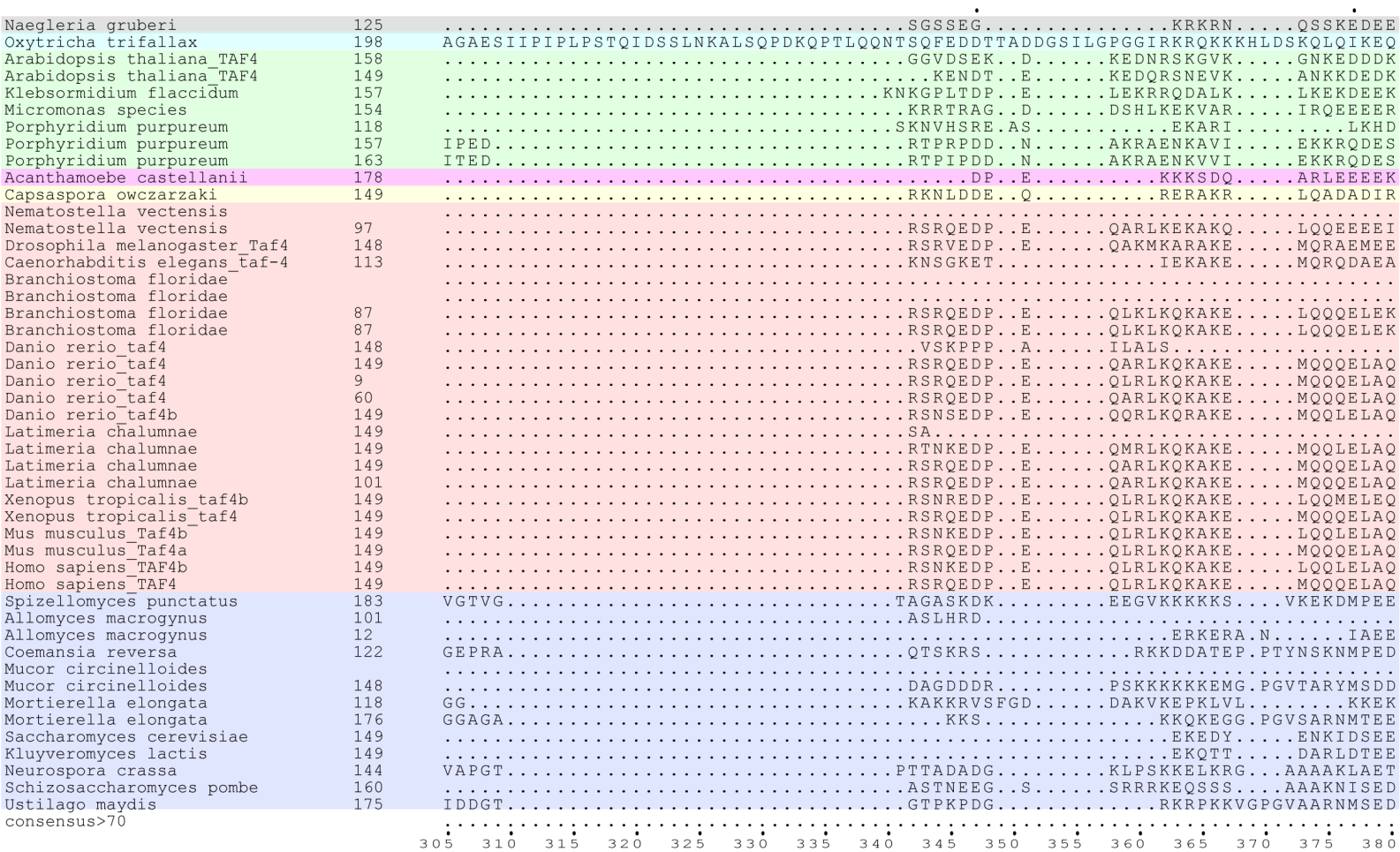


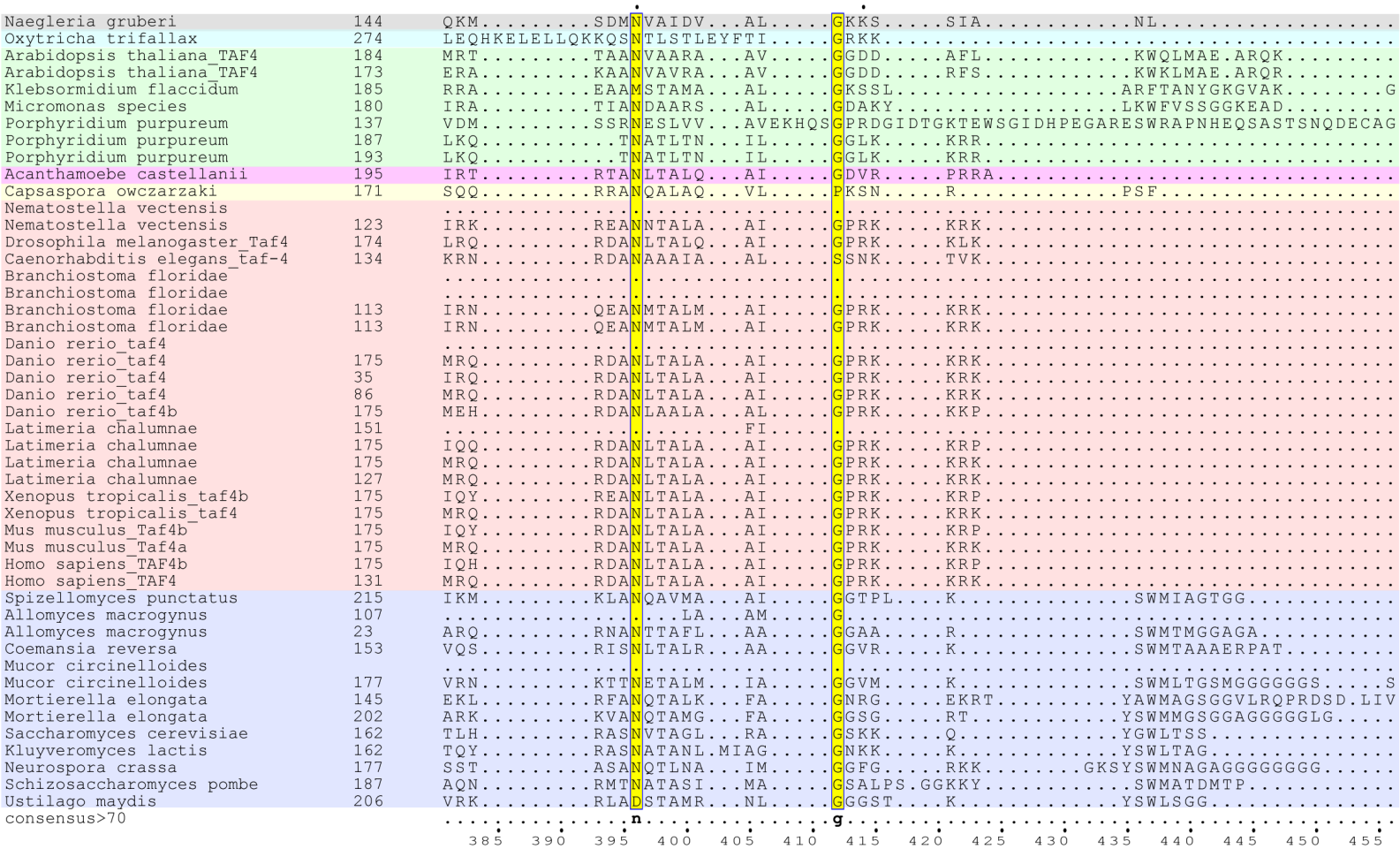


TAF4 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 2

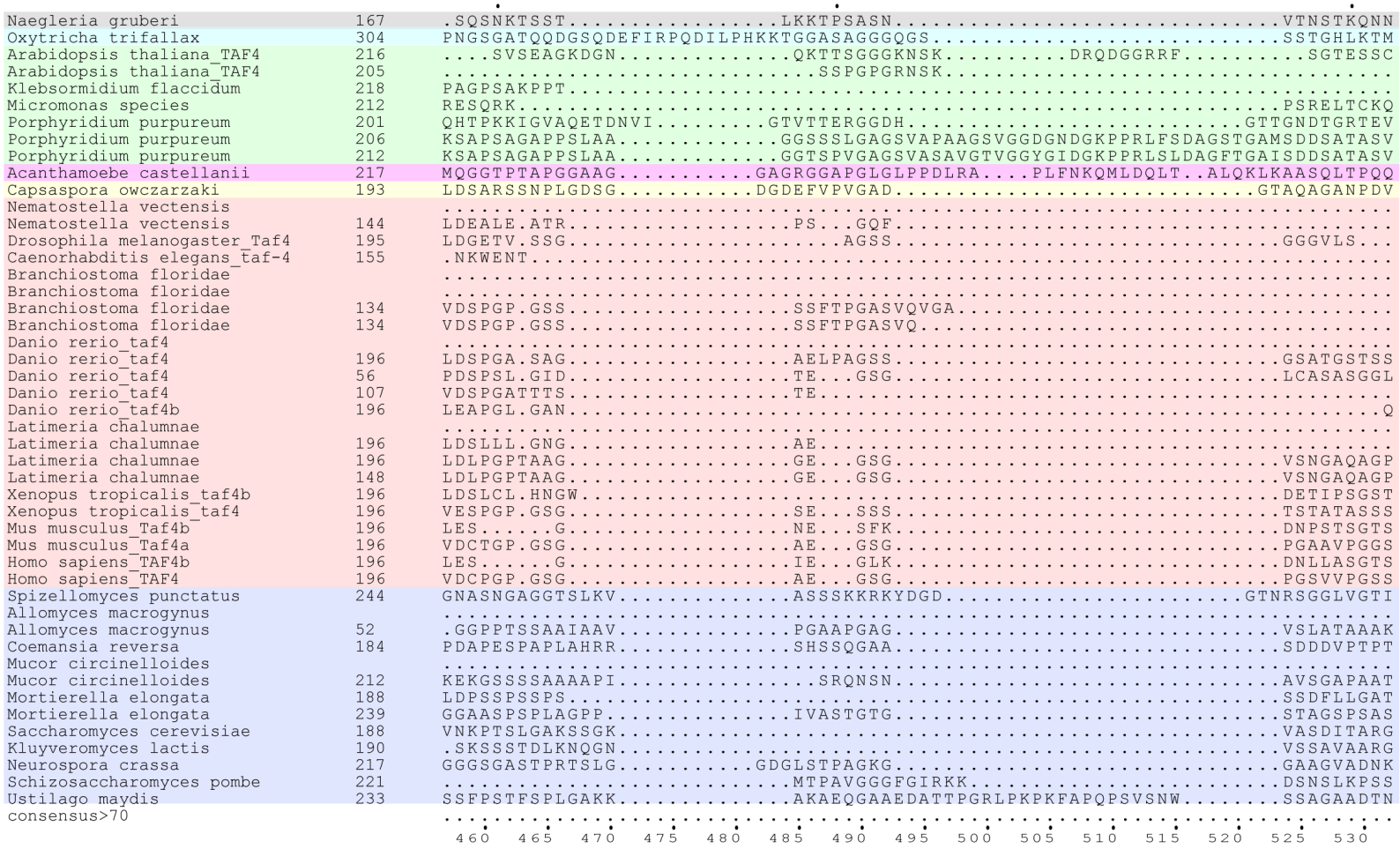


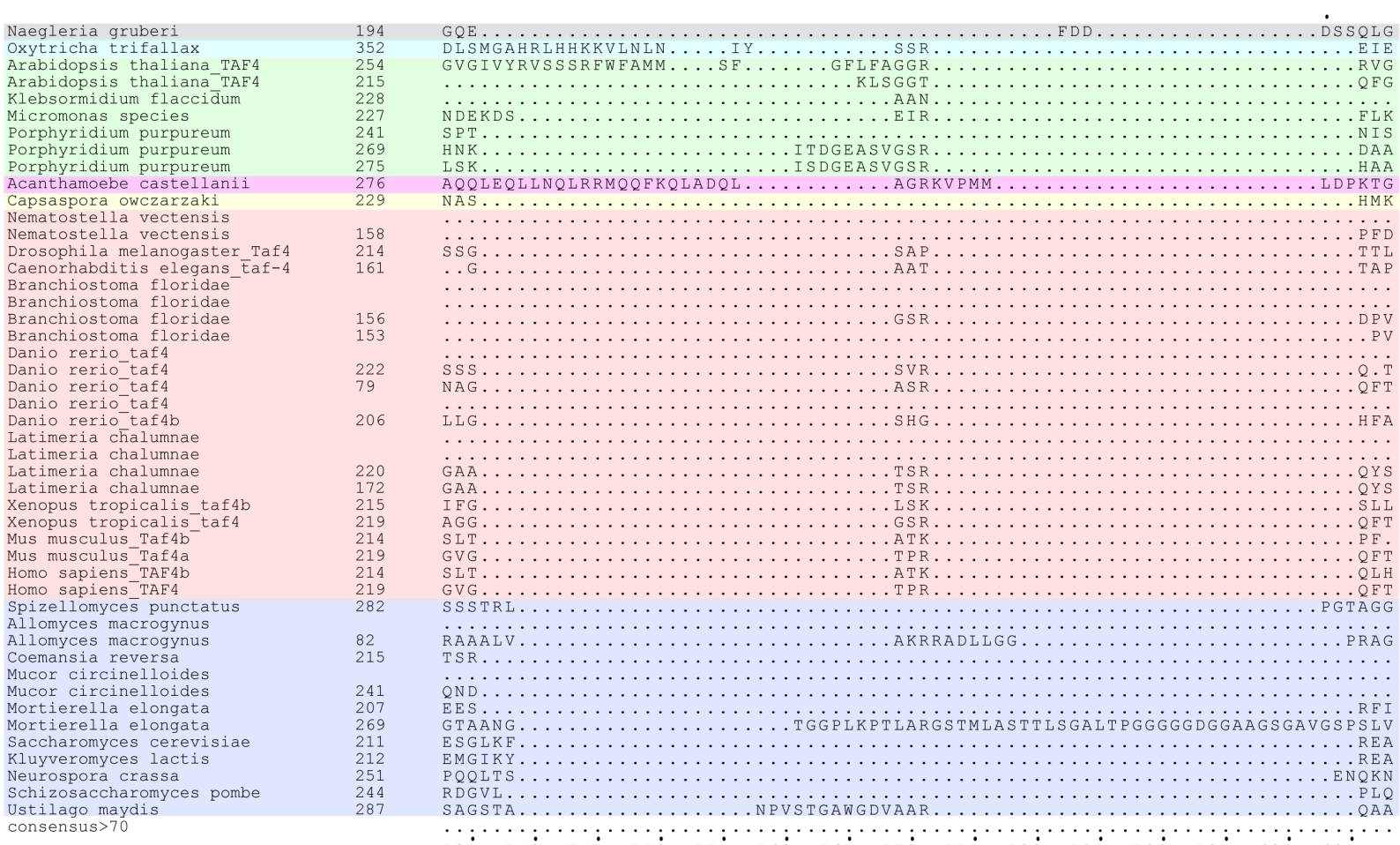



Naegleria gruberi 125
Oxytricha trifallax 198
Arabidopsis thaliana_TAF4 158
Arabidopsis thaliana_TAF4 149
Klebsormidium flaccidum 157
Micromonas species 154
Porphyridium purpureum 118
Porphyridium purpureum 157
Porphyridium purpureum 163
Acanthamoebe castellanii 178
Capsaspora owczarzaki 149
Nematostella vectensis
Nematostella vectensis 97
Drosophila melanogaster_Taf4 148
Caenorhabditis elegans_taf-4 113
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae 87
Branchiostoma floridae 87
Danio rerio_taf4 148
Danio rerio_taf4 149
Danio rerio_taf4 9
Danio rerio_taf4 60
Danio rerio_taf4b 149
Latimeria chalumnae 149
Latimeria chalumnae 149
Latimeria chalumnae 149
Latimeria chalumnae 101
Xenopus tropicalis_taf4b 149
Xenopus tropicalis_taf4 149
Mus musculus_Taf4b 149
Mus musculus_Taf4a 149
Homo sapiens_TAF4b 149
Homo sapiens_TAF4 149
Spizellomyces punctatus 183
Allomyces macrogynus 101
Allomyces macrogynus 12
Coemansia reversa 122
Mucor circinelloides
Mucor circinelloides 148
Mortierella elongata 118
Mortierella elongata 176
Saccharomyces cerevisiae 149
Kluyveromyces lactis 149
Neurospora crassa 144
Schizosaccharomyces pombe 160
Ustilago maydis 175
consensus>70
305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380

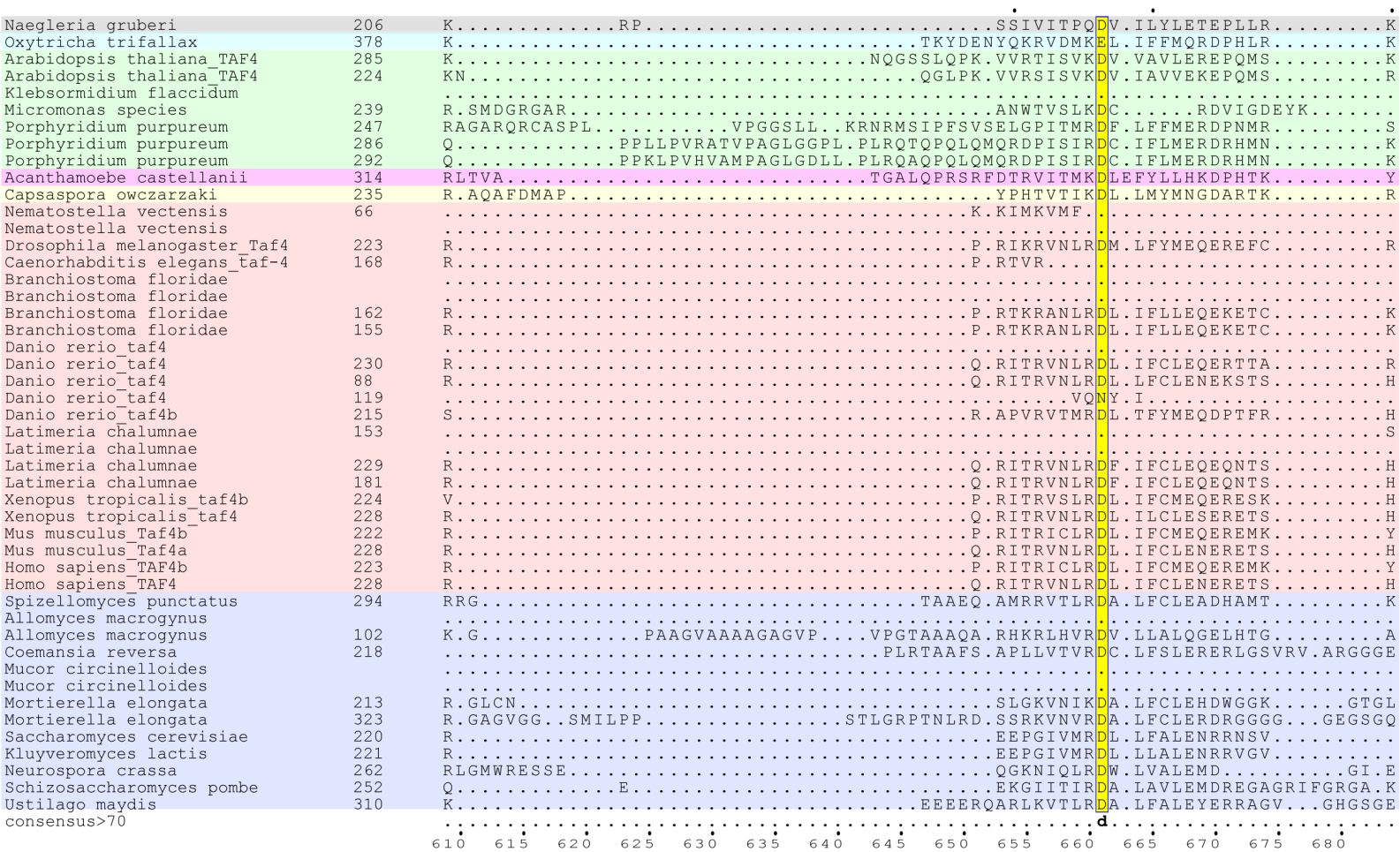

Naegleria gruberi 144
Oxytricha trifallax 274
Arabidopsis thaliana_TAF4 184
Arabidopsis thaliana_TAF4 173
Klebsormidium flaccidum 185
Micromonas species 180
Porphyridium purpureum 137
Porphyridium purpureum 187
Porphyridium purpureum 193
Acanthamoebe castellanii 195
Capsaspora owczarzaki 171
Nematostella vectensis
Nematostella vectensis 123
Drosophila melanogaster_Taf4 174
Caenorhabditis elegans_taf-4 134
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae 113
Branchiostoma floridae 113
Danio rerio_taf4
Danio rerio_taf4 175
Danio rerio_taf4 35
Danio rerio_taf4 86
Danio rerio_taf4b 175
Latimeria chalumnae 151
Latimeria chalumnae 175
Latimeria chalumnae 175
Latimeria chalumnae 127
Xenopus tropicalis_taf4b 175
Xenopus tropicalis_taf4 175
Mus musculus_Taf4b 175
Mus musculus_Taf4a 175
Homo sapiens_TAF4b 175
Homo sapiens_TAF4 131
Spizellomyces punctatus 215
Allomyces macrogynus 107
Allomyces macrogynus 23
Coemansia reversa 153
Mucor circinelloides
Mucor circinelloides 177
Mortierella elongata 145
Mortierella elongata 202
Saccharomyces cerevisiae 162
Kluyveromyces lactis 162
Neurospora crassa 177
Schizosaccharomyces pombe 187
Ustilago maydis 206
consensus>70
385 390 395 400 405 410 415 420 425 430 435 440 445 450 455

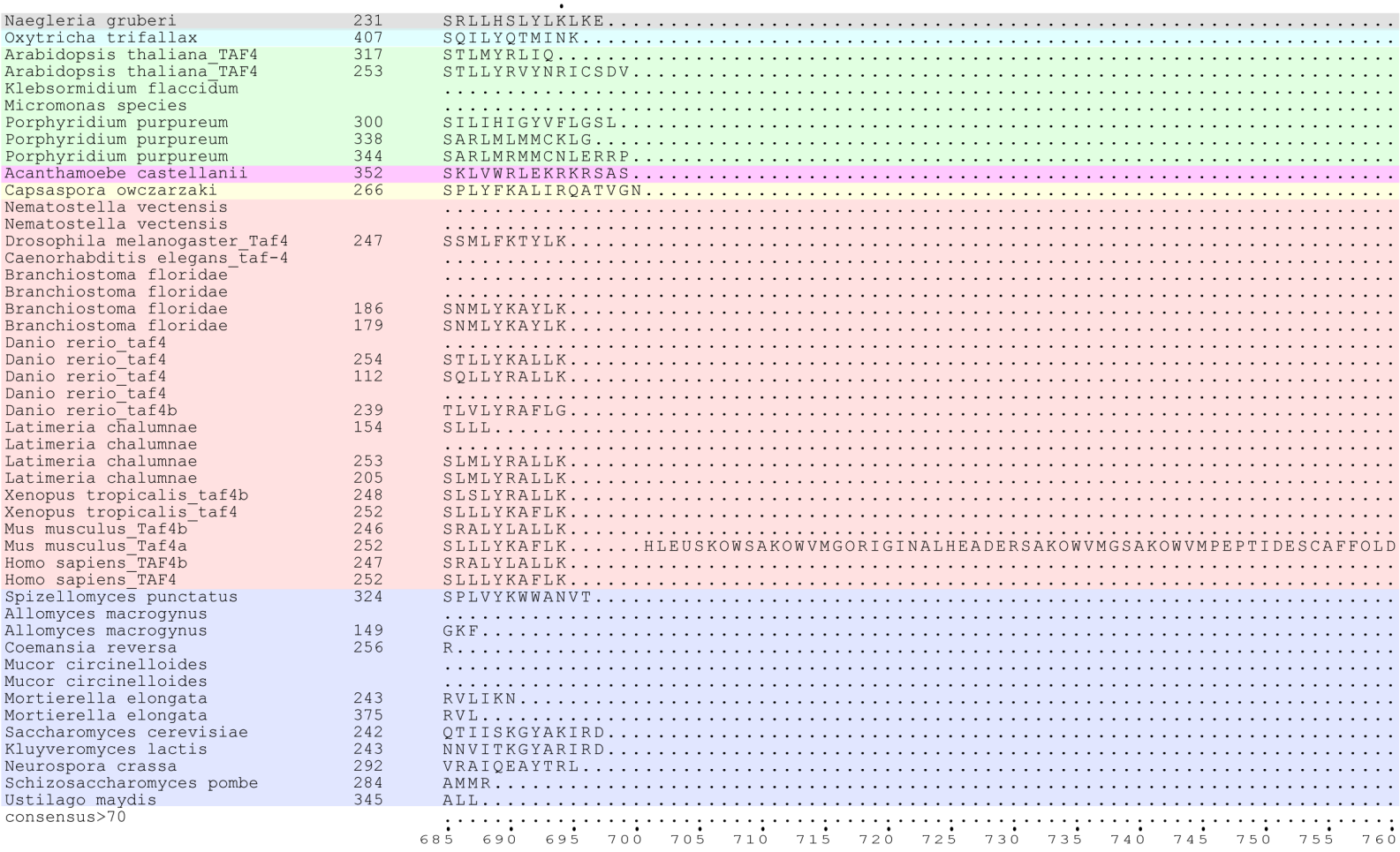
TAF4 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 4

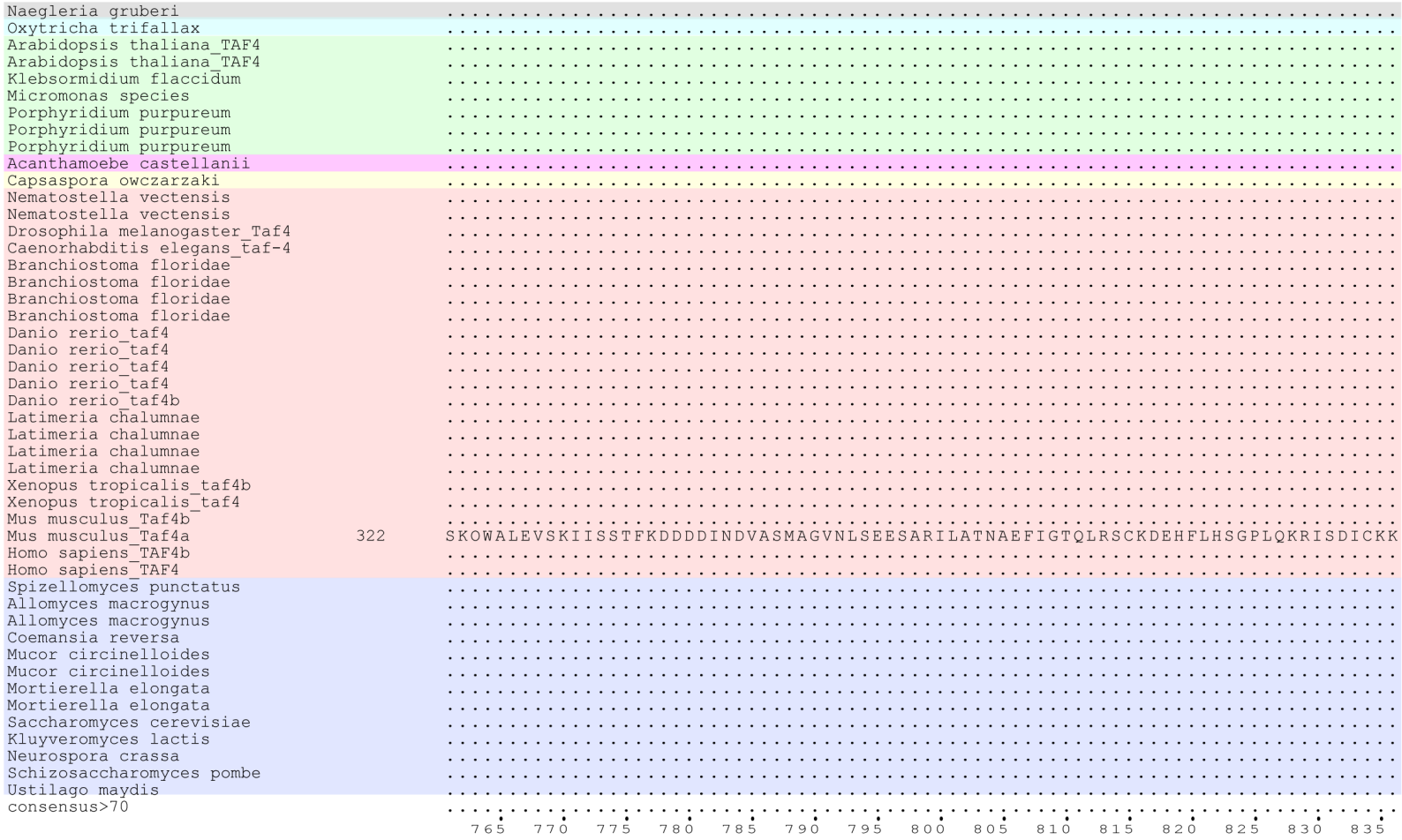




TAF4 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 5



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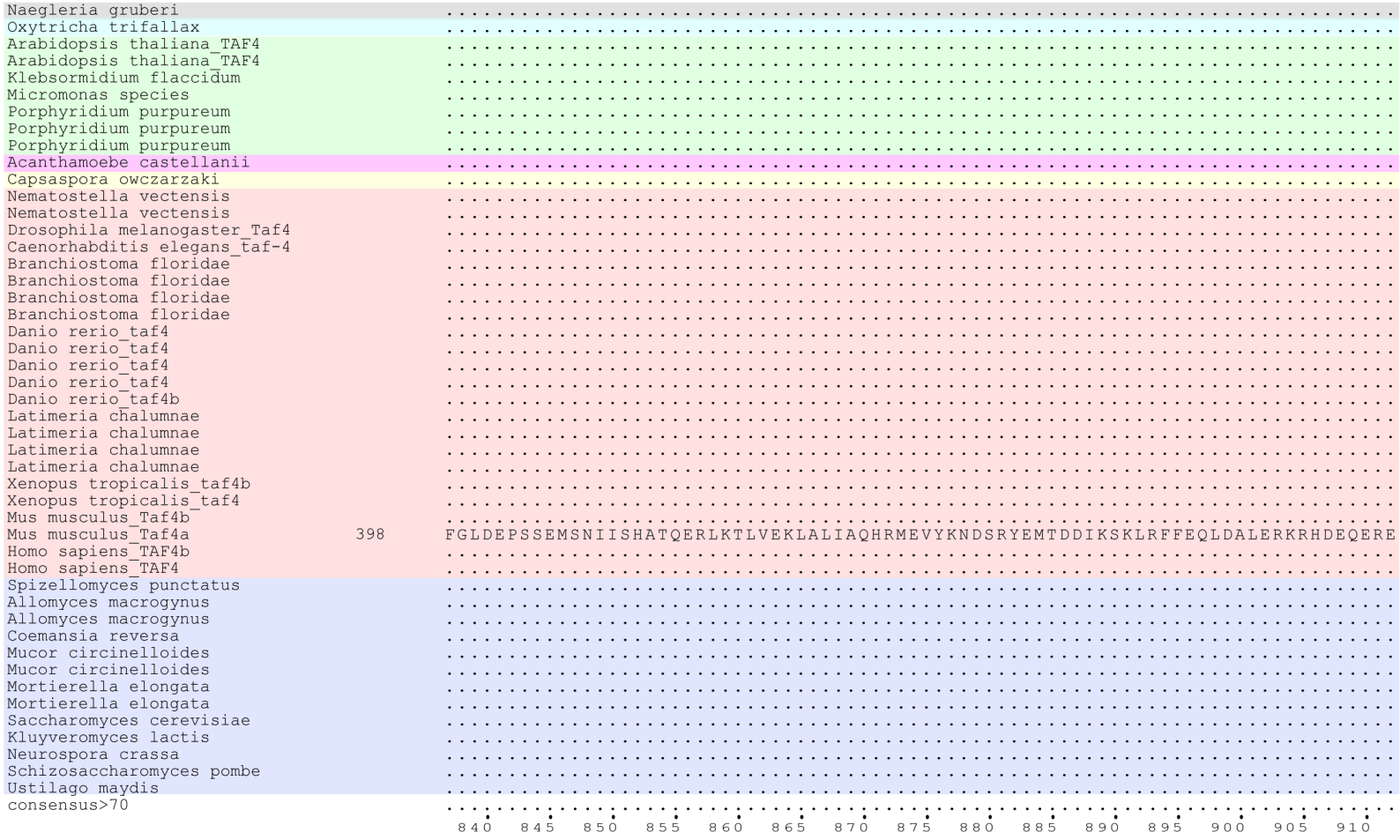
Oxytricha trifallax
Arabidopsis thaliana_TAF4
Arabidopsis thaliana_TAF4
Klebsormidium flaccidum
Micromonas species
Porphyridium purpureum
Porphyridium purpureum
Porphyridium purpureum
Acanthamoebe castellanii
Capsaspora owczarzaki
Nematostella vectensis
Nematostella vectensis
Drosophila melanogaster_Taf4
Caenorhabditis elegans_taf-4
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4b
Latimeria chalumnae
Latimeria chalumnae
Latimeria chalumnae
Latimeria chalumnae
Xenopus tropicalis_taf4b
Xenopus tropicalis_taf4
Mus musculus_Taf4b
Mus musculus_Taf4a 322 SKOWALEVSKIISSTFKDDDDINDVASMAGVNLSEESARILATNAEFIGTQLRSCKDEHFLHSGPLQKRISDICKK
Homo sapiens_TAF4b
Homo sapiens_TAF4
Spizellomyces punctatus
Allomyces macrogynus
Allomyces macrogynus
Coemansia reversa
Mucor circinelloides
Mucor circinelloides
Mortierella elongata
Mortierella elongata
Saccharomyces cerevisiae
Kluyveromyces lactis
Neurospora crassa
Schizosaccharomyces pombe
Ustilago maydis
consensus>70
765 770 775 780 785 790 795 800 805 810 815 820 825 830 835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Klebsormidium flaccidum
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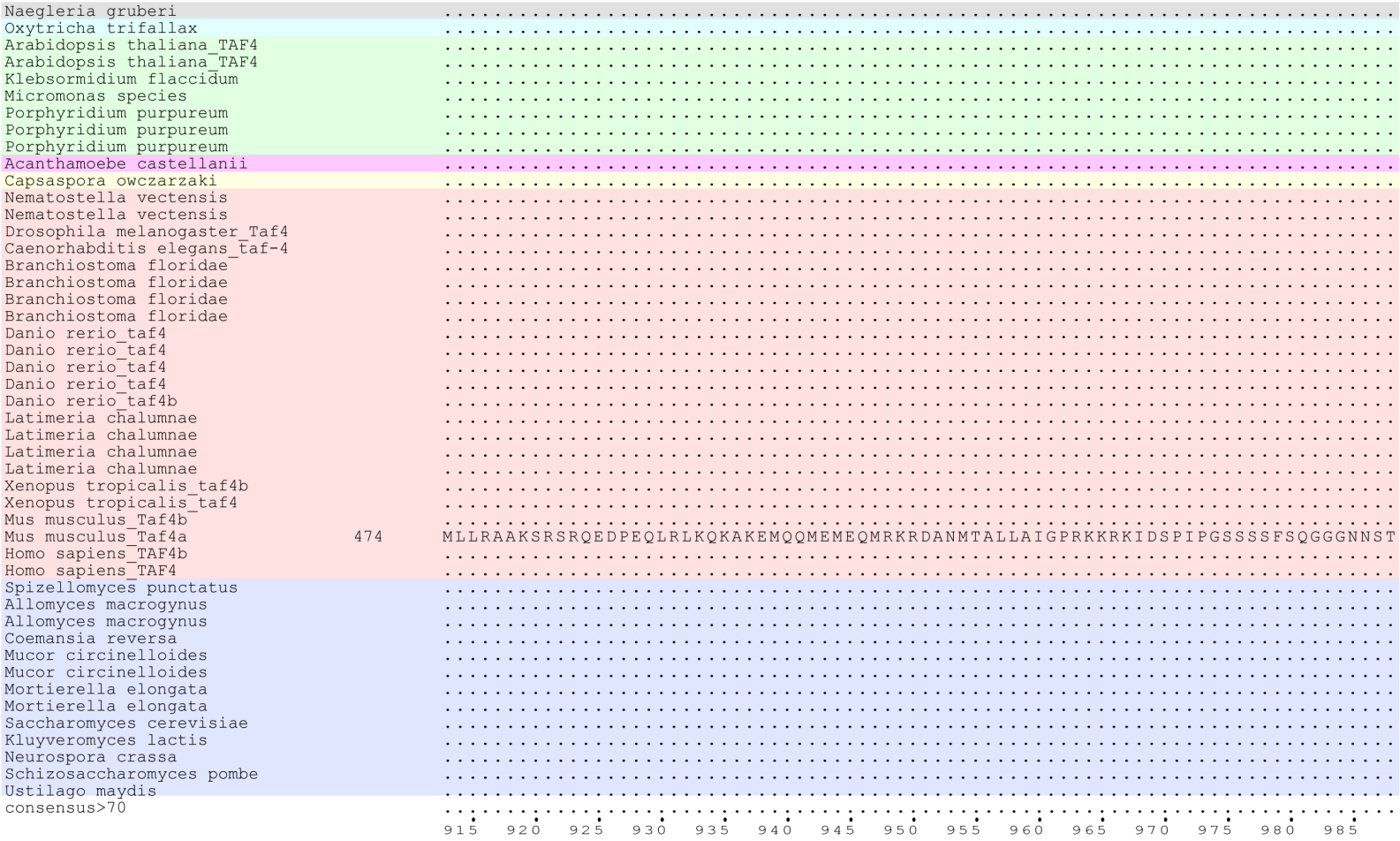
Porphyridium purpureum
Porphyridium purpureum
Acanthamoebe castellanii
Capsaspora owczarzaki
Nematostella vectensis
Nematostella vectensis
Drosophila melanogaster_Taf4
Caenorhabditis elegans_taf-4
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4b
Latimeria chalumnae
Latimeria chalumnae
Latimeria chalumnae
Latimeria chalumnae
Xenopus tropicalis_taf4b
Xenopus tropicalis_taf4
Mus musculus_Taf4b
Mus musculus_Taf4a 398 FGLDEPSSEMSNIISHATQERLKTLVEKLALIAQHRMEVYKNDSRYEMTDDIKSKLRFFEQLDALERKRHDEQERE
Homo sapiens_TAF4b
Homo sapiens_TAF4
Spizellomyces punctatus
Allomyces macrogynus
Allomyces macrogynus
Coemansia reversa
Mucor circinelloides
Mucor circinelloides
Mortierella elongata
Mortierella elongata
Saccharomyces cerevisiae
Kluyveromyces lactis
Neurospora crassa
Schizosaccharomyces pombe
Ustilago maydis
consensus>70
840 845 850 855 860 865 870 875 880 885 890 895 900 905 910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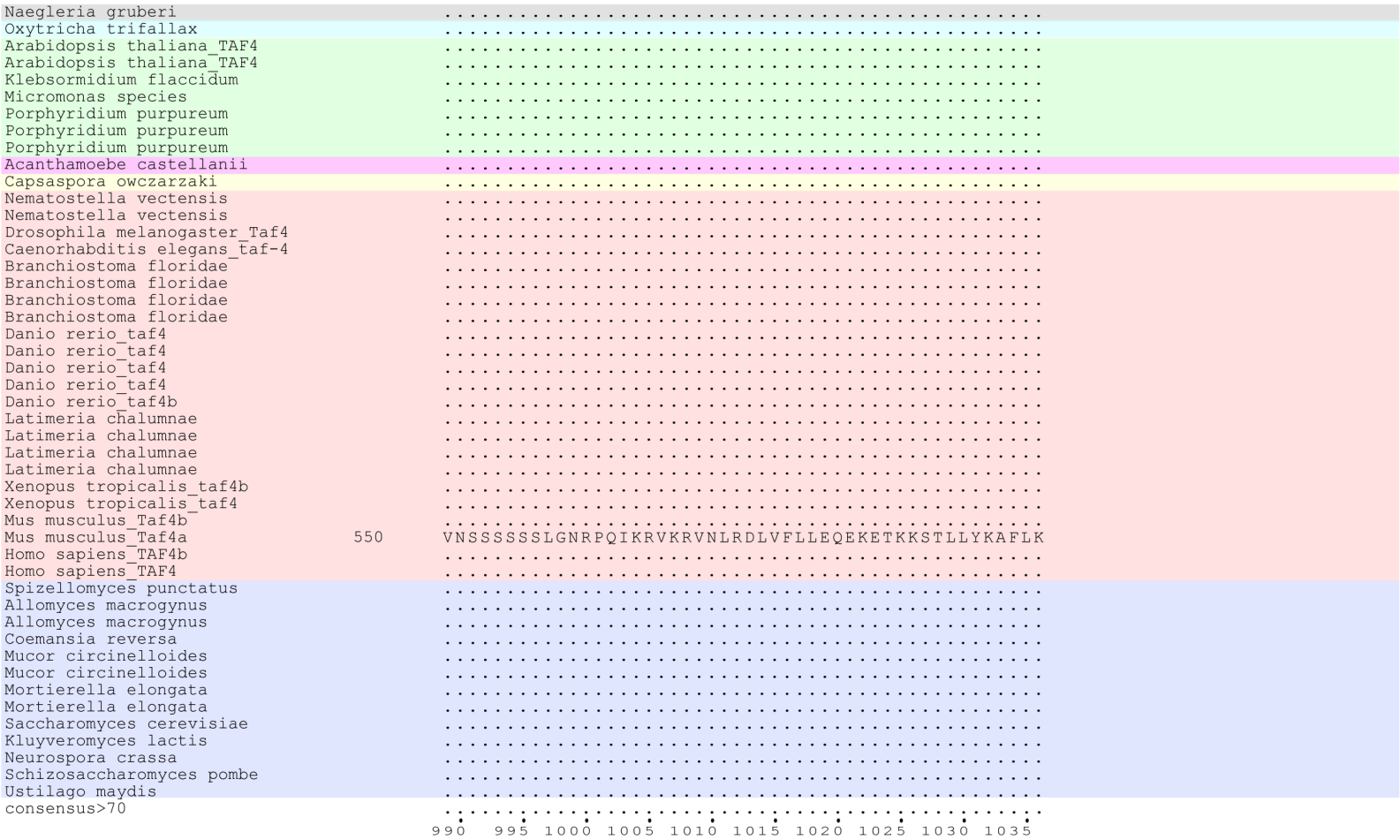
Oxytricha trifallax
Arabidopsis thaliana_TAF4
Arabidopsis thaliana_TAF4
Klebsormidium flaccidum
Micromonas species
Porphyridium purpureum
Porphyridium purpureum
Porphyridium purpureum
Acanthamoebe castellanii
Capsaspora owczarzaki
Nematostella vectensis
Nematostella vectensis
Drosophila melanogaster_Taf4
Caenorhabditis elegans_taf-4
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4b
Latimeria chalumnae
Latimeria chalumnae
Latimeria chalumnae
Latimeria chalumnae
Xenopus tropicalis_taf4b
Xenopus tropicalis_taf4
Mus musculus_Taf4b
Mus musculus_Taf4a
474
MLLRAAKSRSRQEDPEQLRLKQKAKEMQQMEMEQMRKRDANMTALLAIGPRKKRKIDSPIPGSSSSFSQGGGNNST
Homo sapiens_TAF4b
Homo sapiens_TAF4
Spizellomyces punctatus
Allomyces macrogynus
Allomyces macrogynus
Coemansia reversa
Mucor circinelloides
Mucor circinelloides
Mortierella elongata
Mortierella elongata
Saccharomyces cerevisiae
Kluyveromyces lactis
Neurospora crassa
Schizosaccharomyces pombe
Ustilago maydis
consensus>70
915 920 925 930 935 940 945 950 955 960 965 970 975 980 985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Oxytricha trifallax
Arabidopsis thaliana_TAF4
Arabidopsis thaliana_TAF4
Klebsormidium flaccidum
Micromonas species
Porphyridium purpureum
Porphyridium purpureum
Porphyridium purpureum
Acanthamoebe castellanii
Capsaspora owczarzaki
Nematostella vectensis
Nematostella vectensis
Drosophila melanogaster_Taf4
Caenorhabditis elegans_taf-4
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae
Branchiostoma floridae
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4
Danio rerio_taf4b
Latimeria chalumnae
Latimeria chalumnae
Latimeria chalumnae
Latimeria chalumnae
Xenopus tropicalis_taf4b
Xenopus tropicalis_taf4
Mus musculus_Taf4b
Mus musculus_Taf4a
550
VNSSSSSSLGNRPQIKRVKRVNLRDLVFLLEQEKETKKSTLLYKAFLK
Homo sapiens_TAF4b
Homo sapiens_TAF4
Spizellomyces punctatus
Allomyces macrogynus
Allomyces macrogynus
Coemansia reversa
Mucor circinelloides
Mucor circinelloides
Mortierella elongata
Mortierella elongata
Saccharomyces cerevisiae
Kluyveromyces lactis
Neurospora crassa
Schizosaccharomyces pombe
Ustilago maydis
consensus>70
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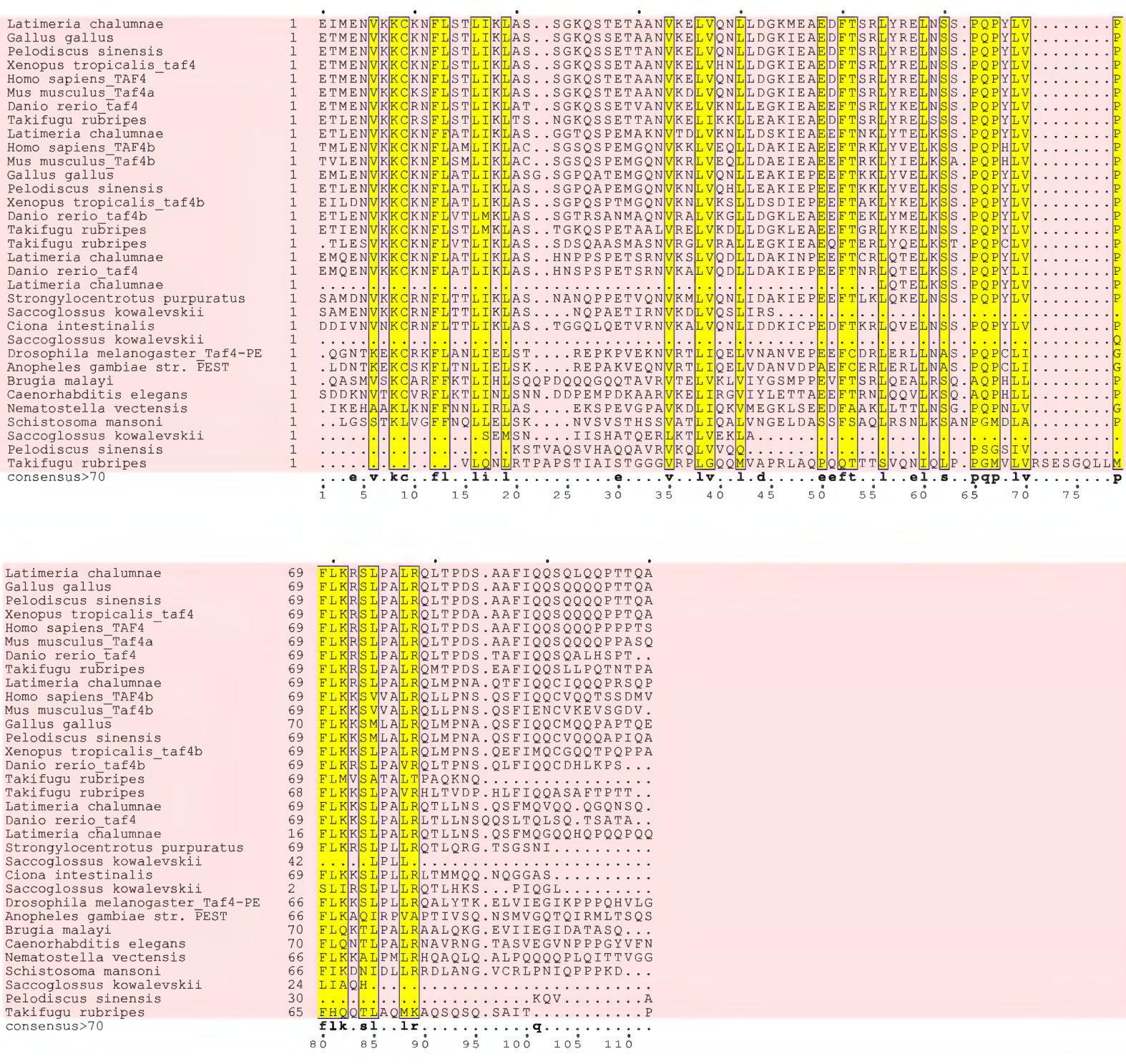
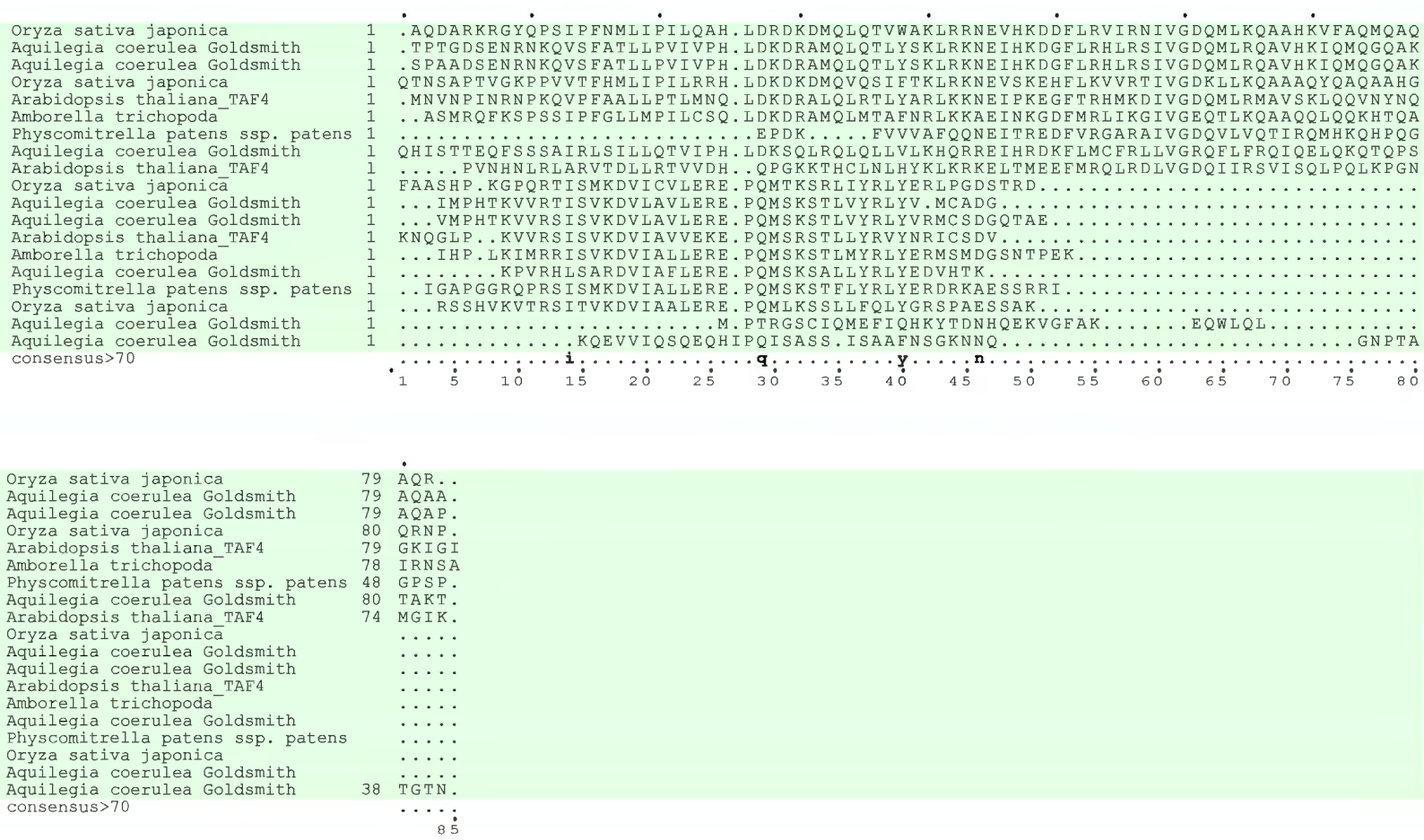
TAF4 NHR1, mafftlinsi (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S24



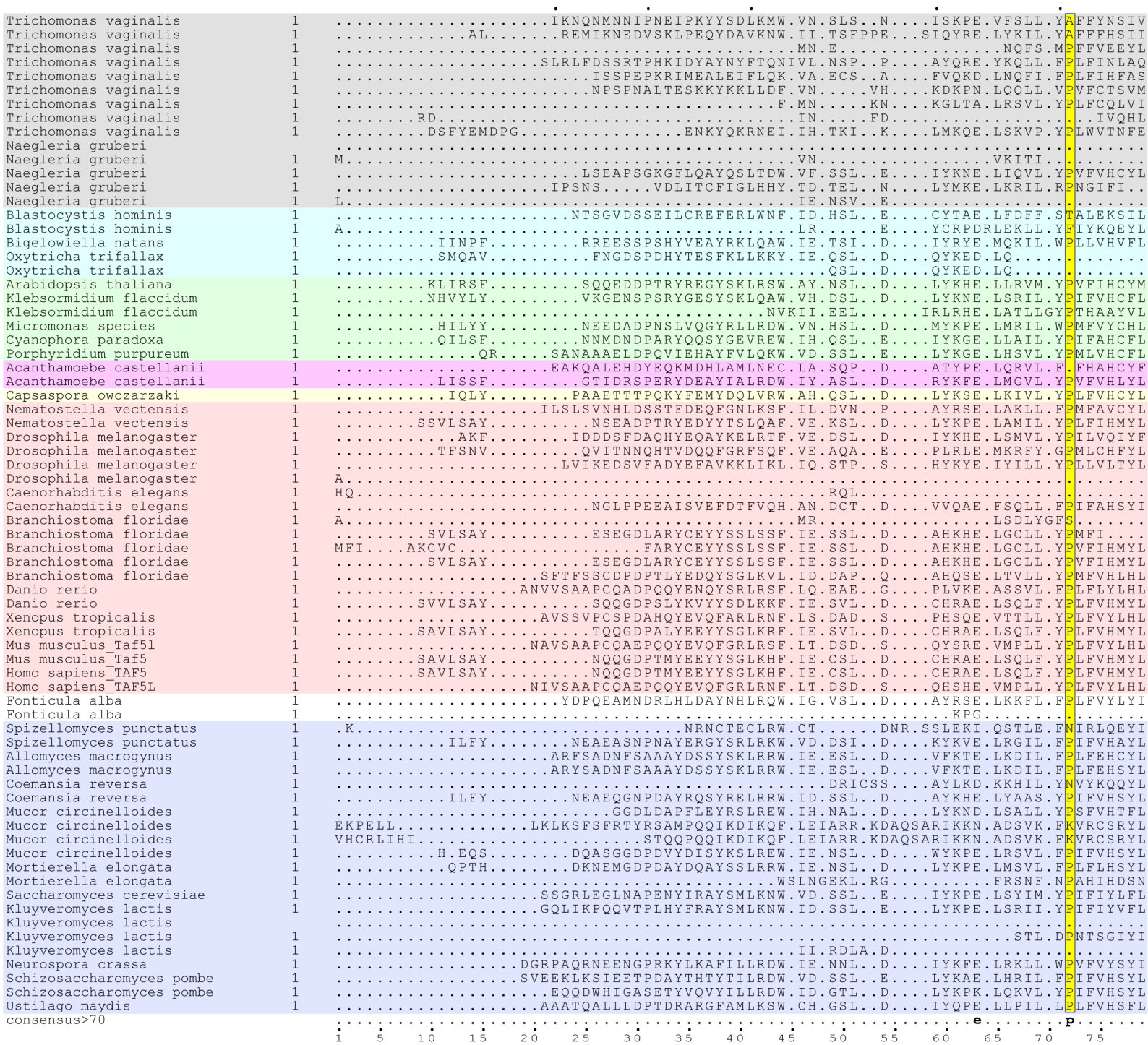
TAF4 RST, mafftlinsi (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S25

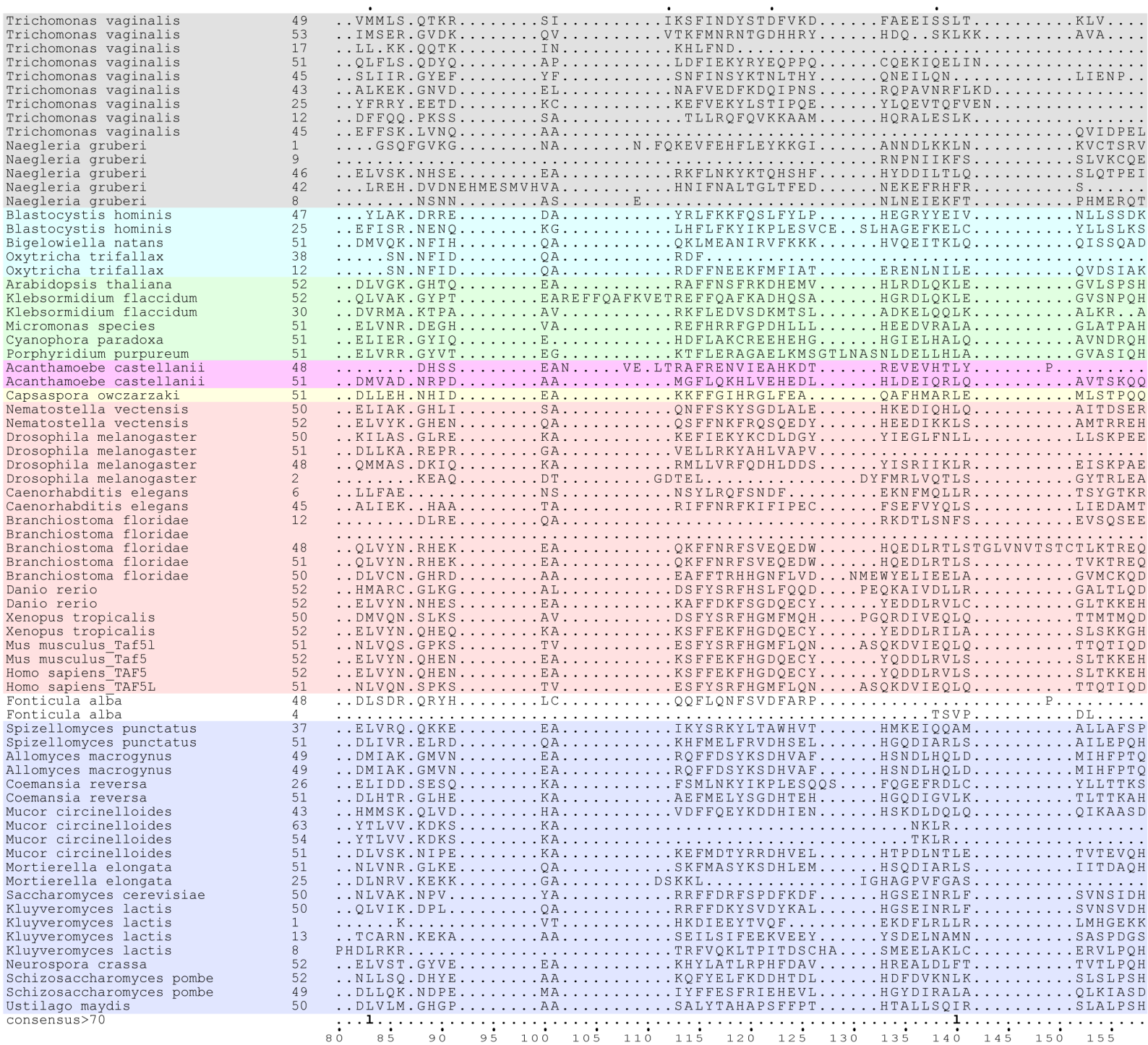


TAF5 NTD2, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 1

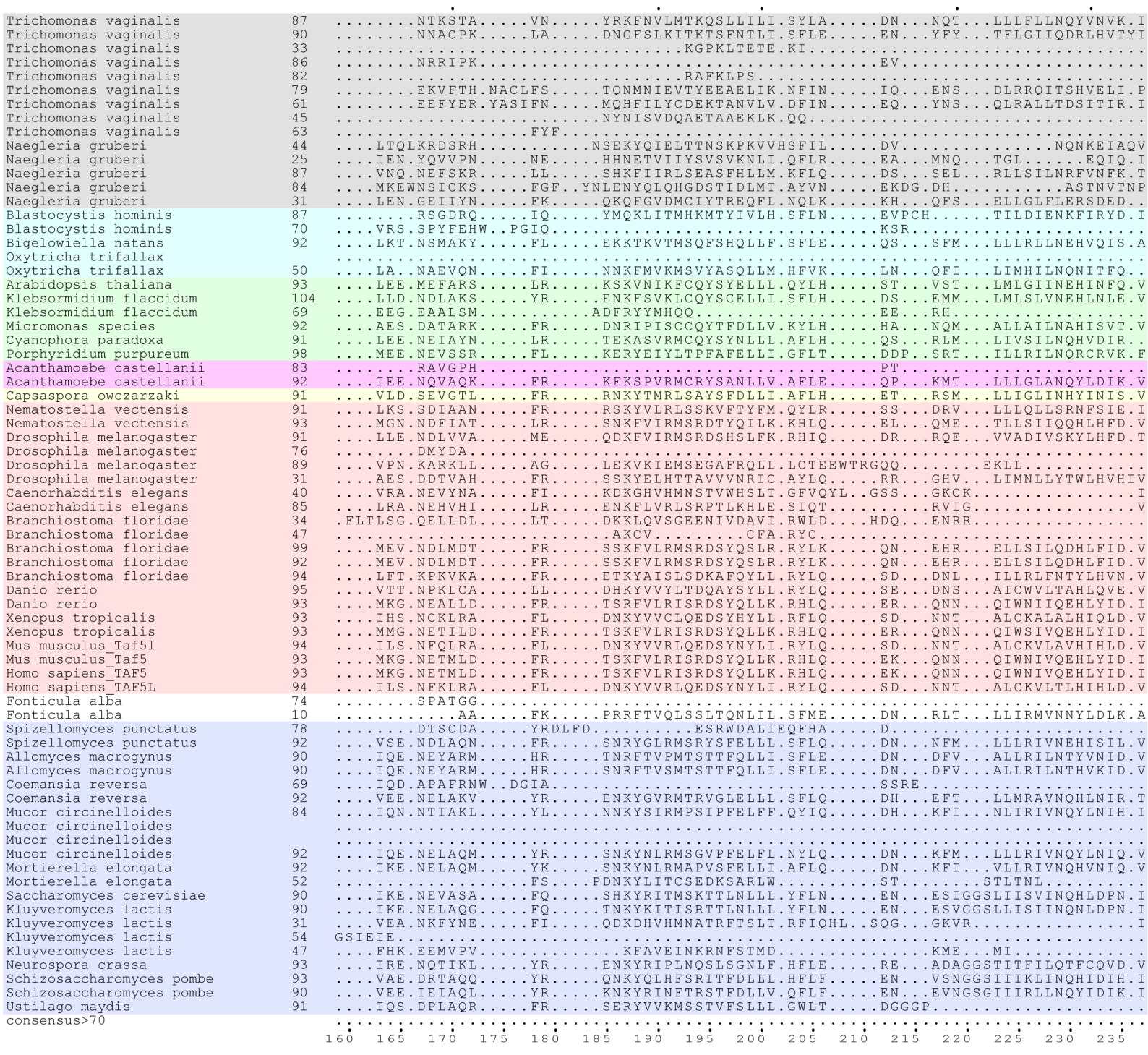
Supplemental Fig. S26



TAF5 NTD2, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 2



TAF5 NTD2, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 3

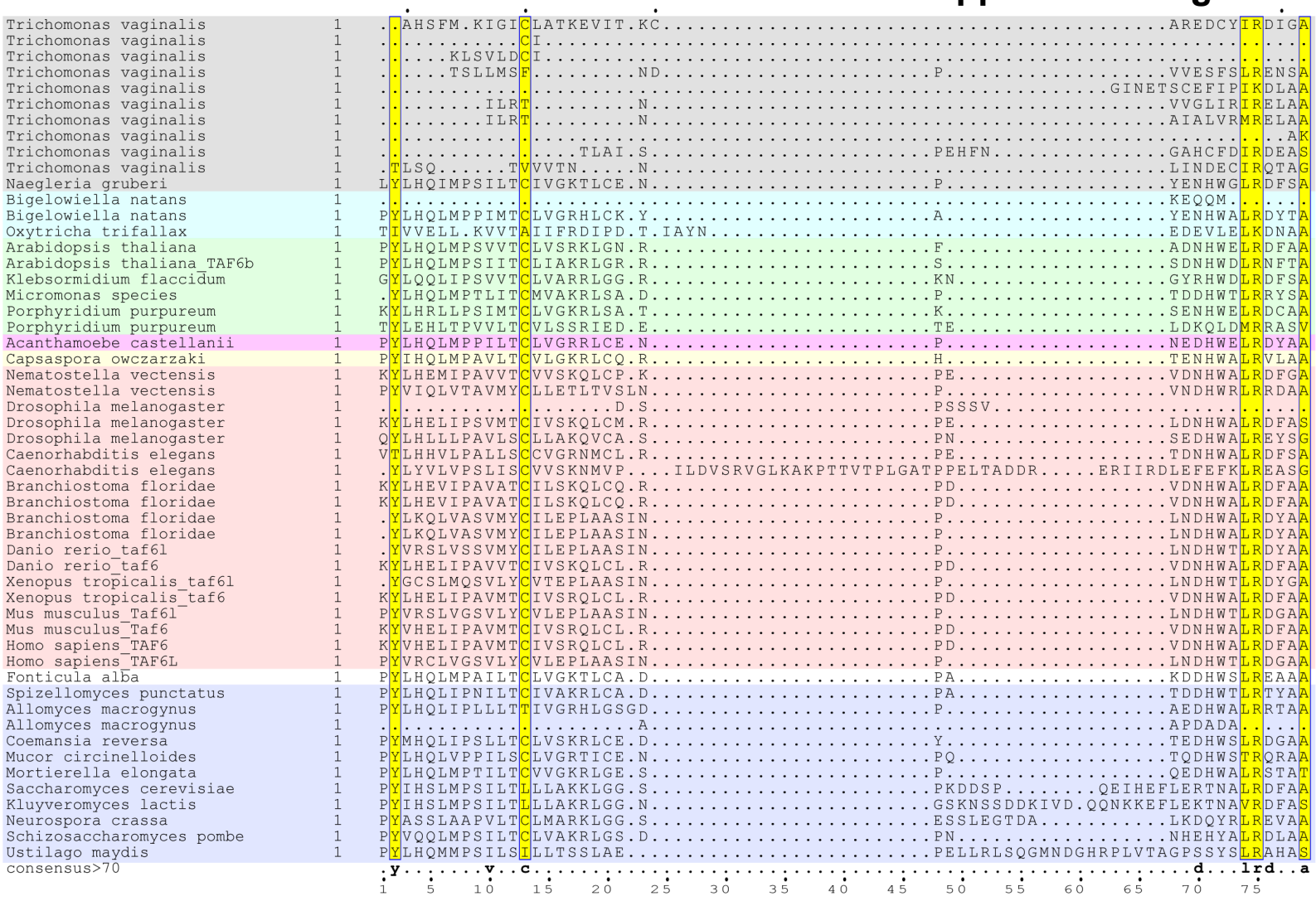


TAF5 NTD2, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 4

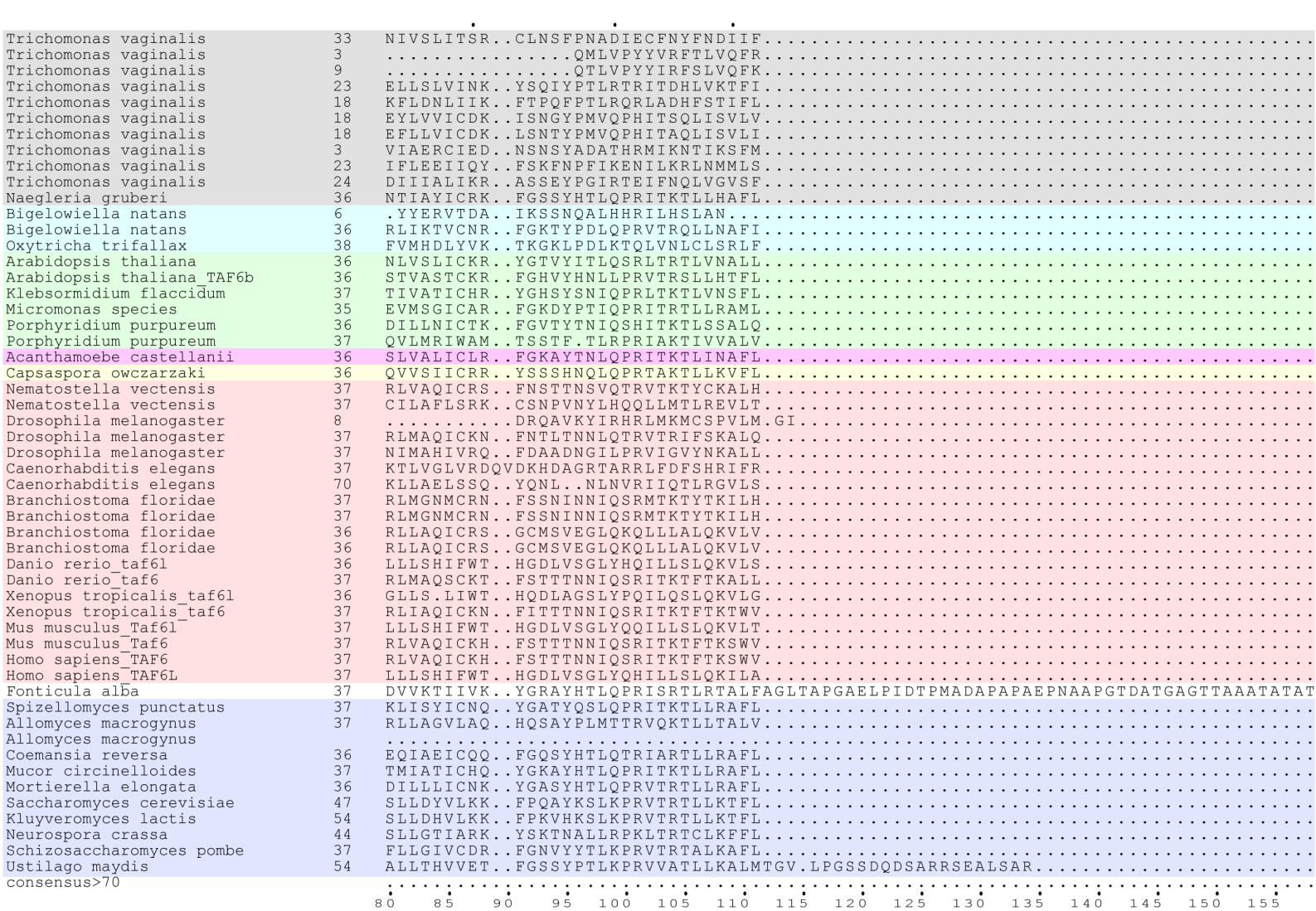
```
Trichomonas vaginalis            135  ....ISQEA..
Trichomonas vaginalis            139  P...YEK....
Trichomonas vaginalis                 ..........
Trichomonas vaginalis                 ..........
Trichomonas vaginalis                 ..........
Trichomonas vaginalis            131  KYEV.......
Trichomonas vaginalis            113  KRDV.......
Trichomonas vaginalis                 ..........
Trichomonas vaginalis                 ..........
Naegleria gruberi                     ..........
Naegleria gruberi                70   HDF........
Naegleria gruberi                138  ....YKGQP..
Naegleria gruberi                     ..........
Naegleria gruberi                81   ..YH.......
Blastocystis hominis             135  ....VDTPI..
Blastocystis hominis                  ..........
Bigelowiella natans              143  ....TTRAPL.
Oxytricha trifallax                   ..........
Oxytricha trifallax              99   ....LSGEKNI
Arabidopsis thaliana             144  ....YSGQPT.
Klebsormidium flaccidum          155  ....VPGQPS.
Klebsormidium flaccidum               ..........
Micromonas species               143  ....VKGDPA.
Cyanophora paradoxa              141  ....YPGFPSA
Porphyridium purpureum           150  ....EVPRAP.
Acanthamoebe castellanii              ..........
Acanthamoebe castellanii         143  ....FSGEPD.
Capsaspora owczarzaki            142  ....FFGSPL.
Nematostella vectensis           142  ....SNRK...
Nematostella vectensis           144  ....FEGRPR.
Drosophila melanogaster          142  ....YEGMAR.
Drosophila melanogaster               ..........
Drosophila melanogaster               ..........
Drosophila melanogaster          83   EN........
Caenorhabditis elegans                ..........
Caenorhabditis elegans           122  K.........
Branchiostoma floridae                ..........
Branchiostoma floridae                ..........
Branchiostoma floridae           150  ....FDGVPR.
Branchiostoma floridae           143  ....FDGVPR.
Branchiostoma floridae           145  ....KPTQNG.
Danio rerio                      146  ....TAAQRT.
Danio rerio                      144  ....FDGMPR.
Xenopus tropicalis               144  ....QPVKRT.
Xenopus tropicalis               144  ....FDGMPR.
Mus musculus_Taf5l               145  ....QPAKRT.
Mus musculus_Taf5                144  ....FDGMPR.
Homo sapiens_TAF5                144  ....FDGMPR.
Homo sapiens_TAF5L               145  ....QPAKRT.
Fonticula alba                        ..........
Fonticula alba                   54   ....YPGRPL.
Spizellomyces punctatus               ..........
Spizellomyces punctatus          143  ....VSTEPE.
Allomyces macrogynus             141  ....TNSKA..
Allomyces macrogynus             141  ....TNSKAK.
Coemansia reversa                     ..........
Coemansia reversa                143  ....VDGAVP.
Mucor circinelloides             135  ....VTGKLS.
Mucor circinelloides                  ..........
Mucor circinelloides                  ..........
Mucor circinelloides             143  ....VHGKLL.
Mortierella elongata             143  ....GAAAAG.
Mortierella elongata                  ..........
Saccharomyces cerevisiae         144  ....VESVTA.
Kluyveromyces lactis             144  ....VDVVKS.
Kluyveromyces lactis             73   HG........
Kluyveromyces lactis                  ..........
Kluyveromyces lactis                  ..........
Neurospora crassa                147  ....SARGP..
Schizosaccharomyces pombe        147  ....VPGRPT.
Schizosaccharomyces pombe        144  ....TMPQVE.
Ustilago maydis                  128  ....VSSASN.
consensus>70                          ..:.....:...
                                      240  245
```

TAF6 HEAT, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 1

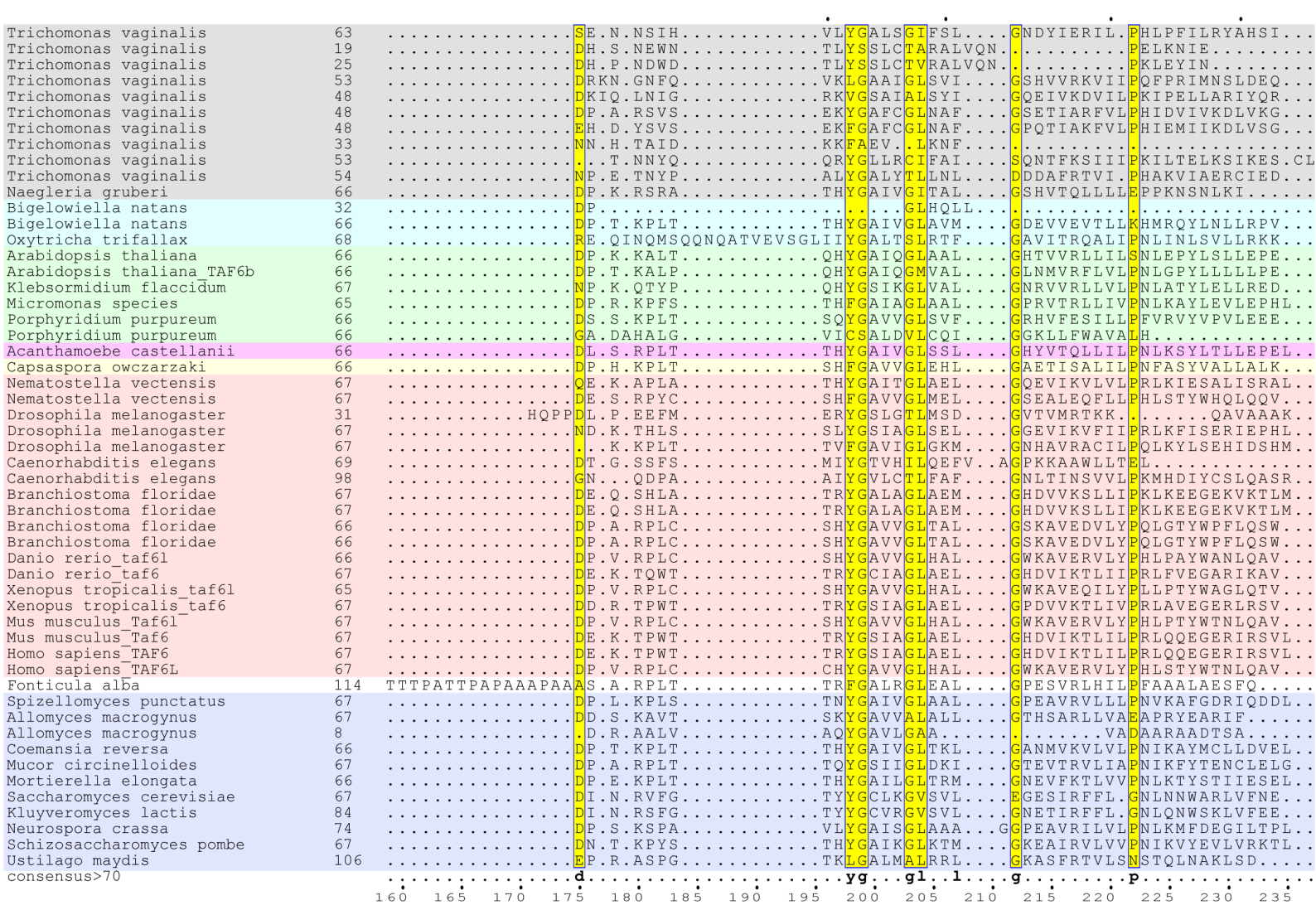
Supplemental Fig. S27



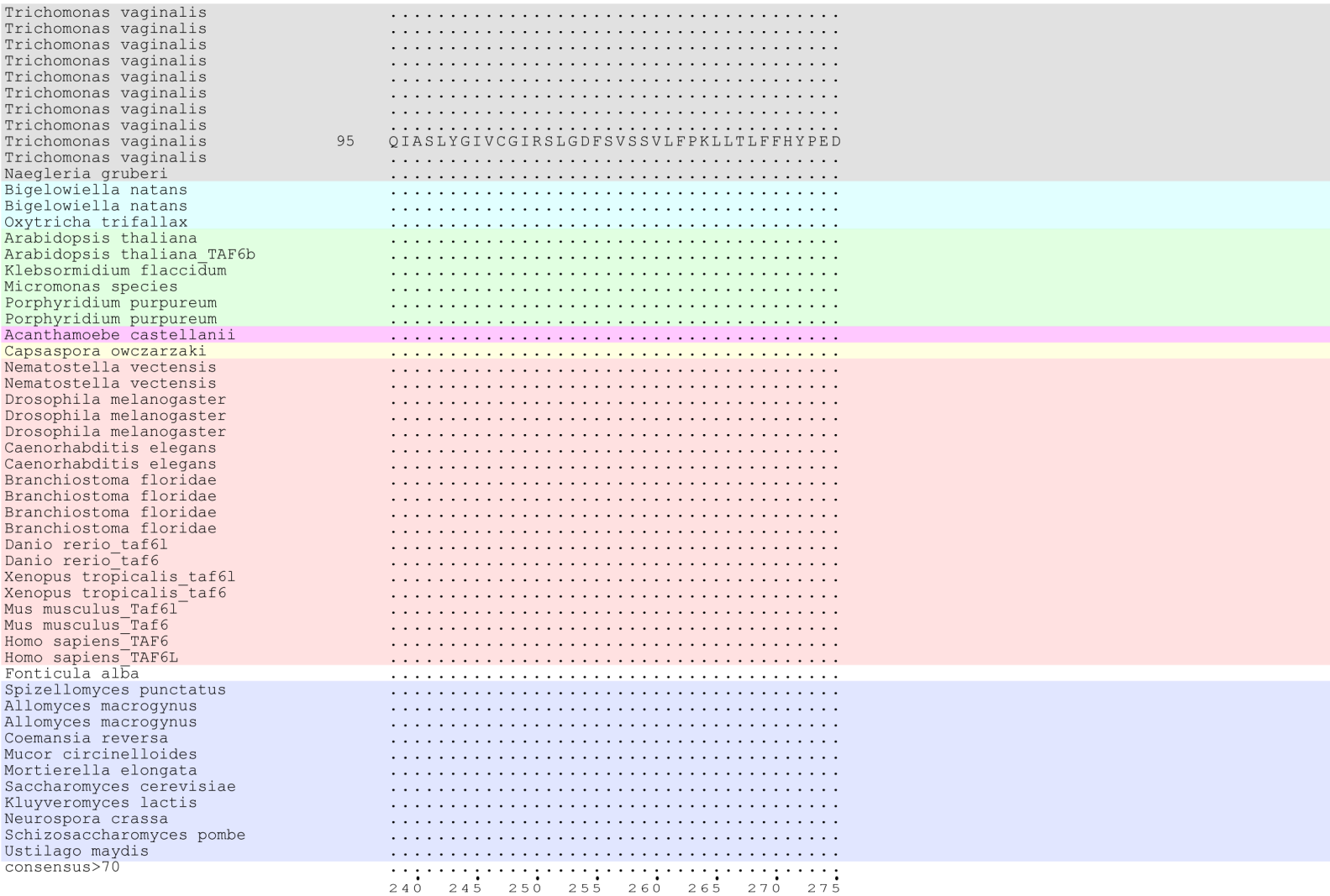
TAF6 HEAT, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 2



TAF6 HEAT, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 3

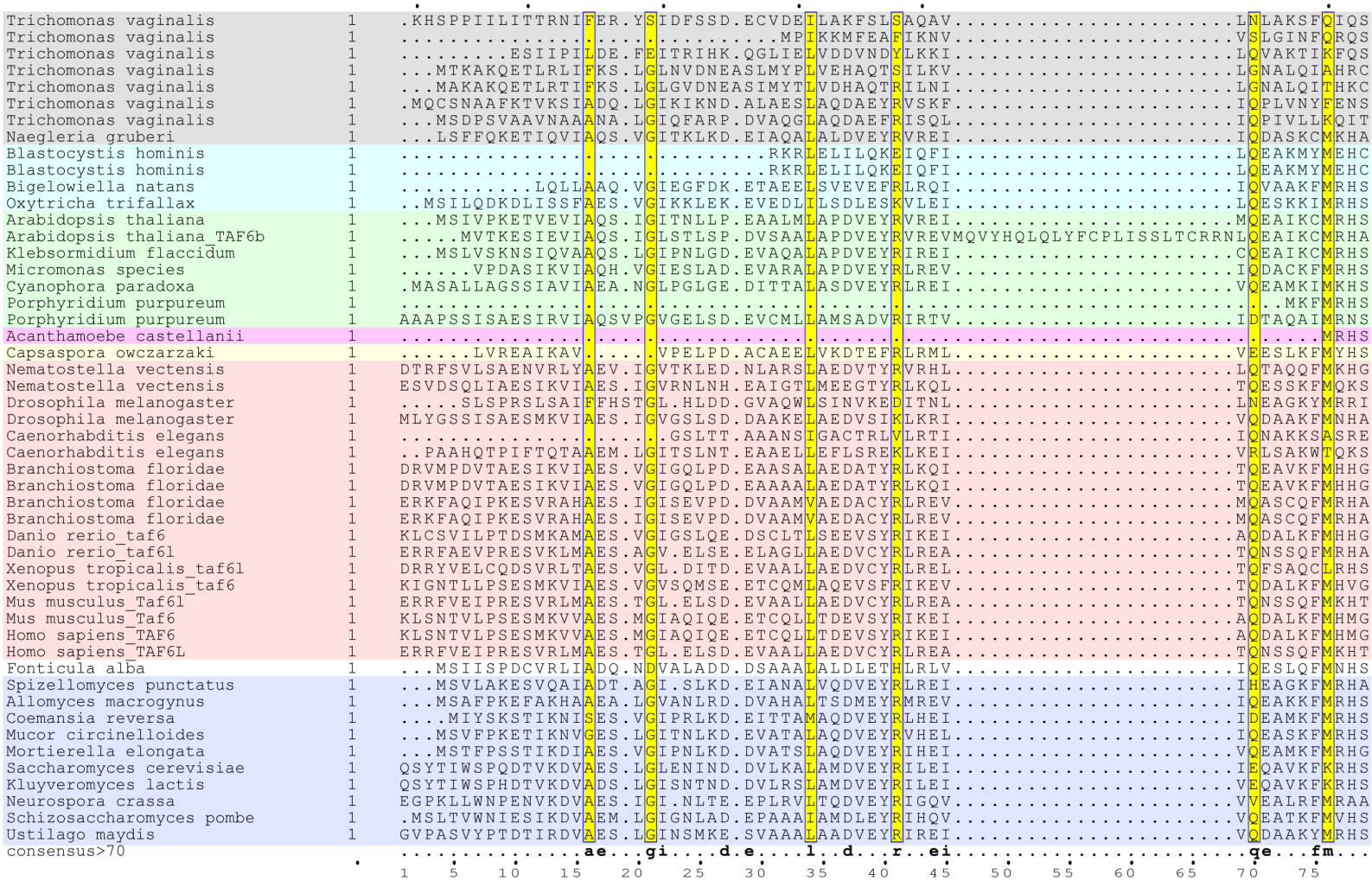


TAF6 HEAT, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 4

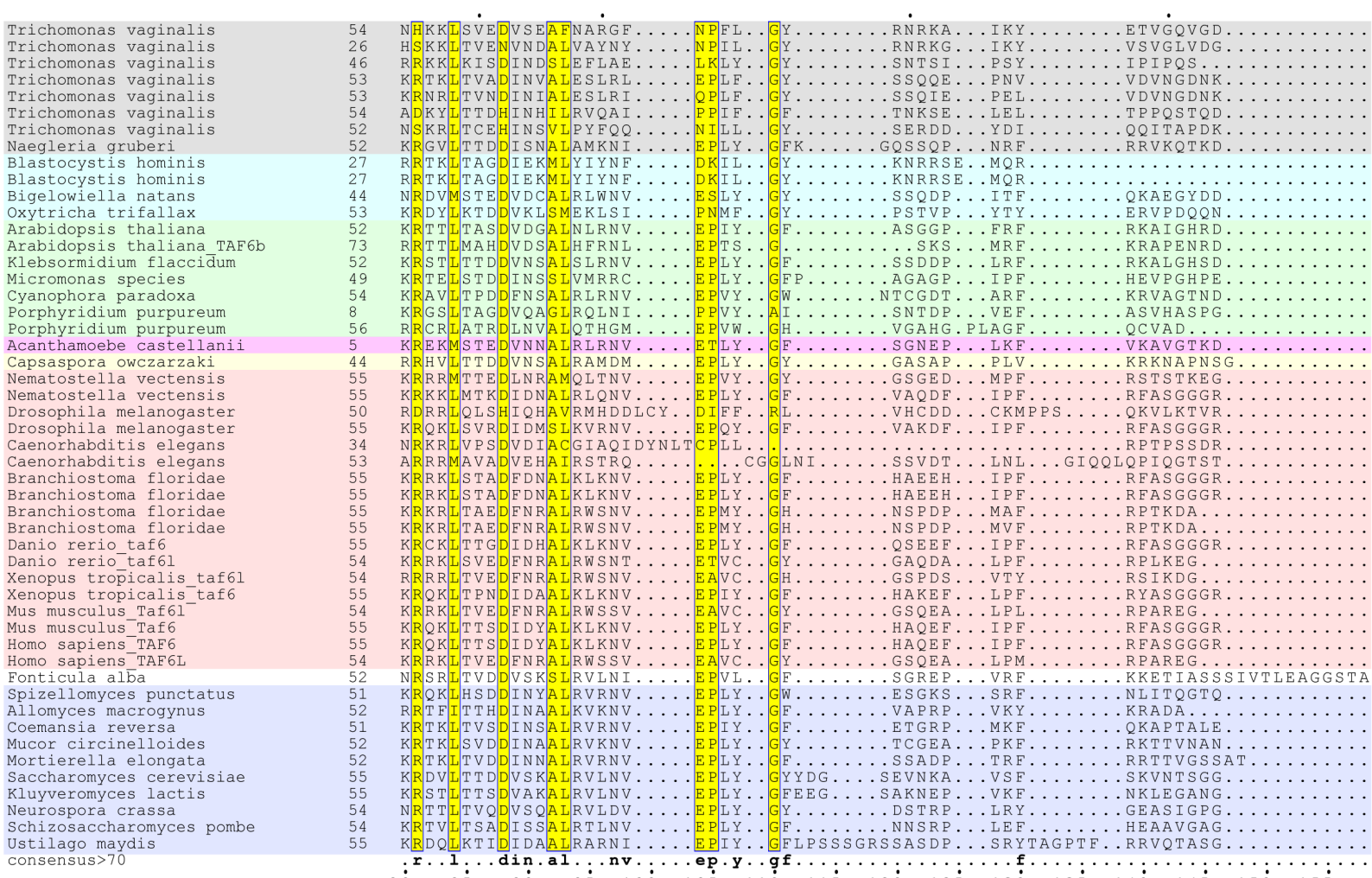


TAF6 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 1

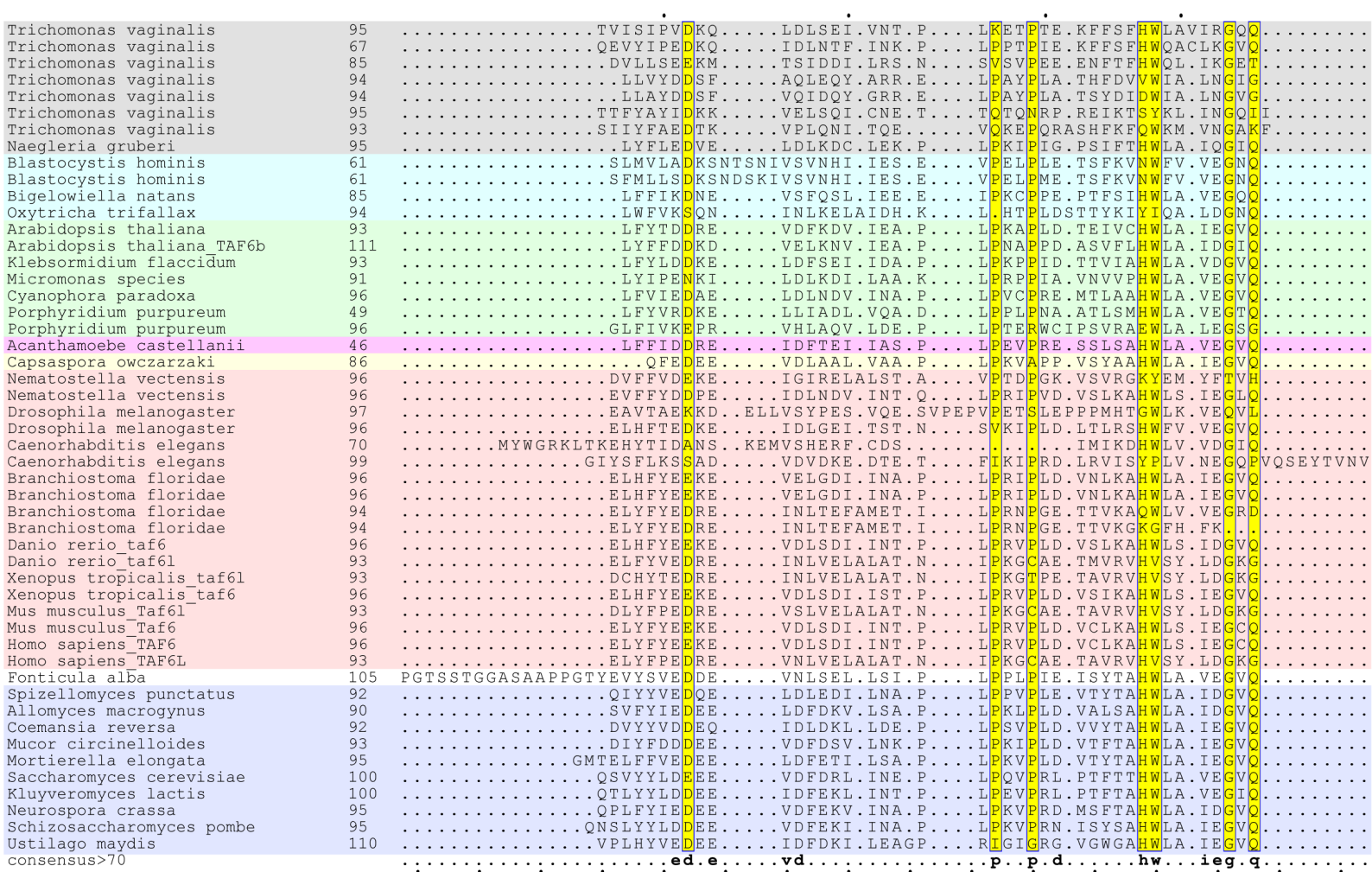
Supplemental Fig. S28



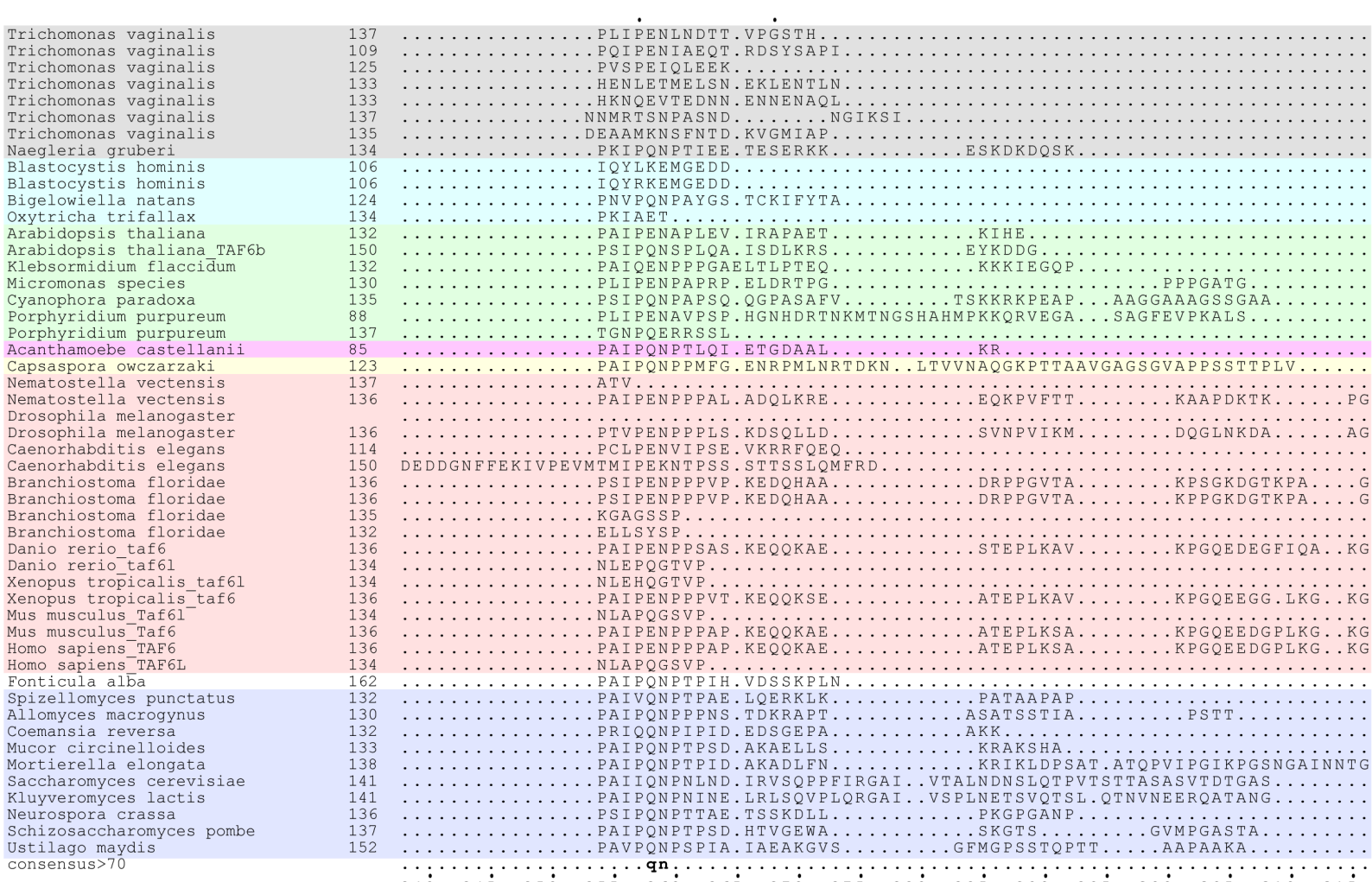
TAF6 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 2



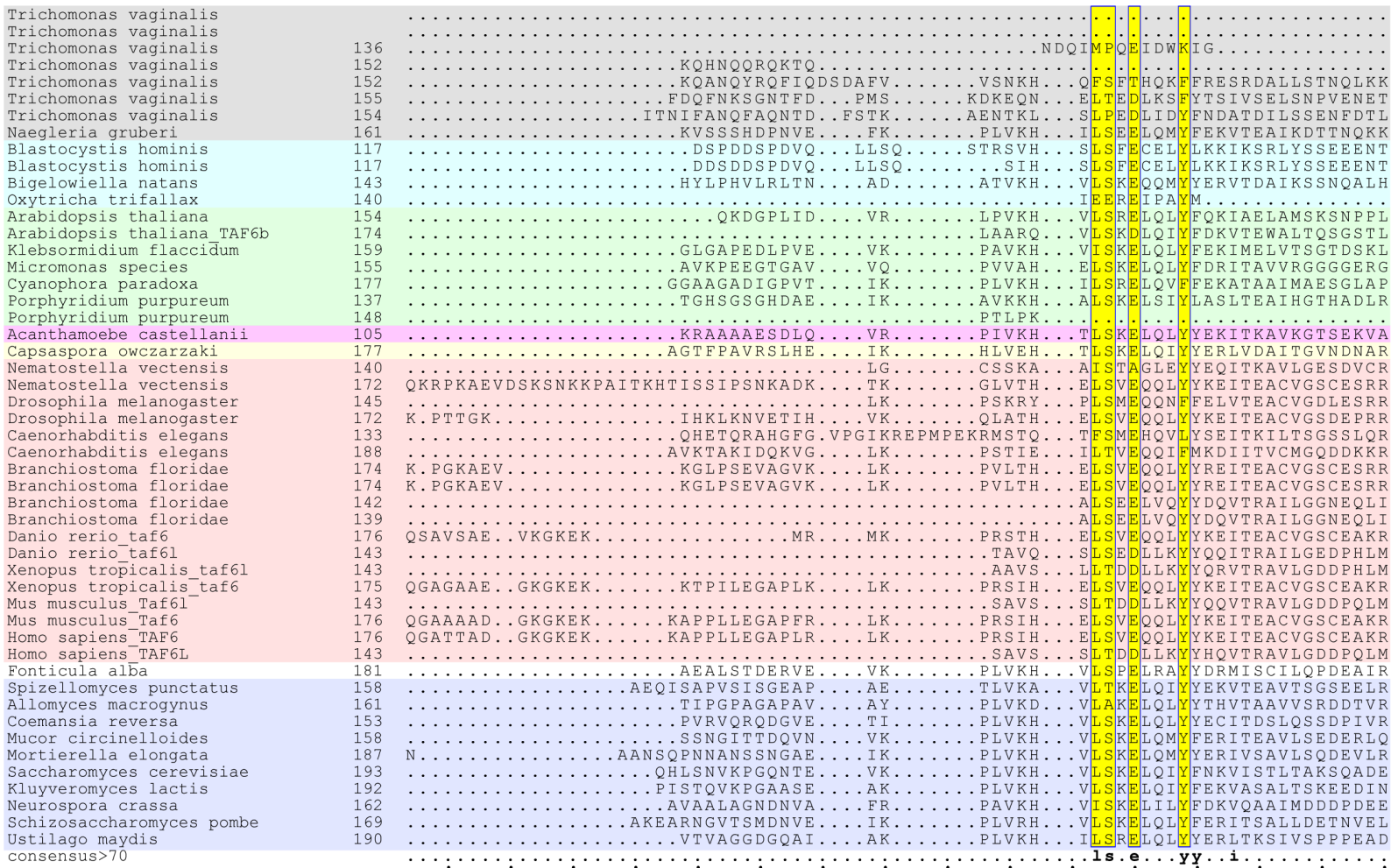
TAF6 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 3



TAF6 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 4



TAF6 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 5

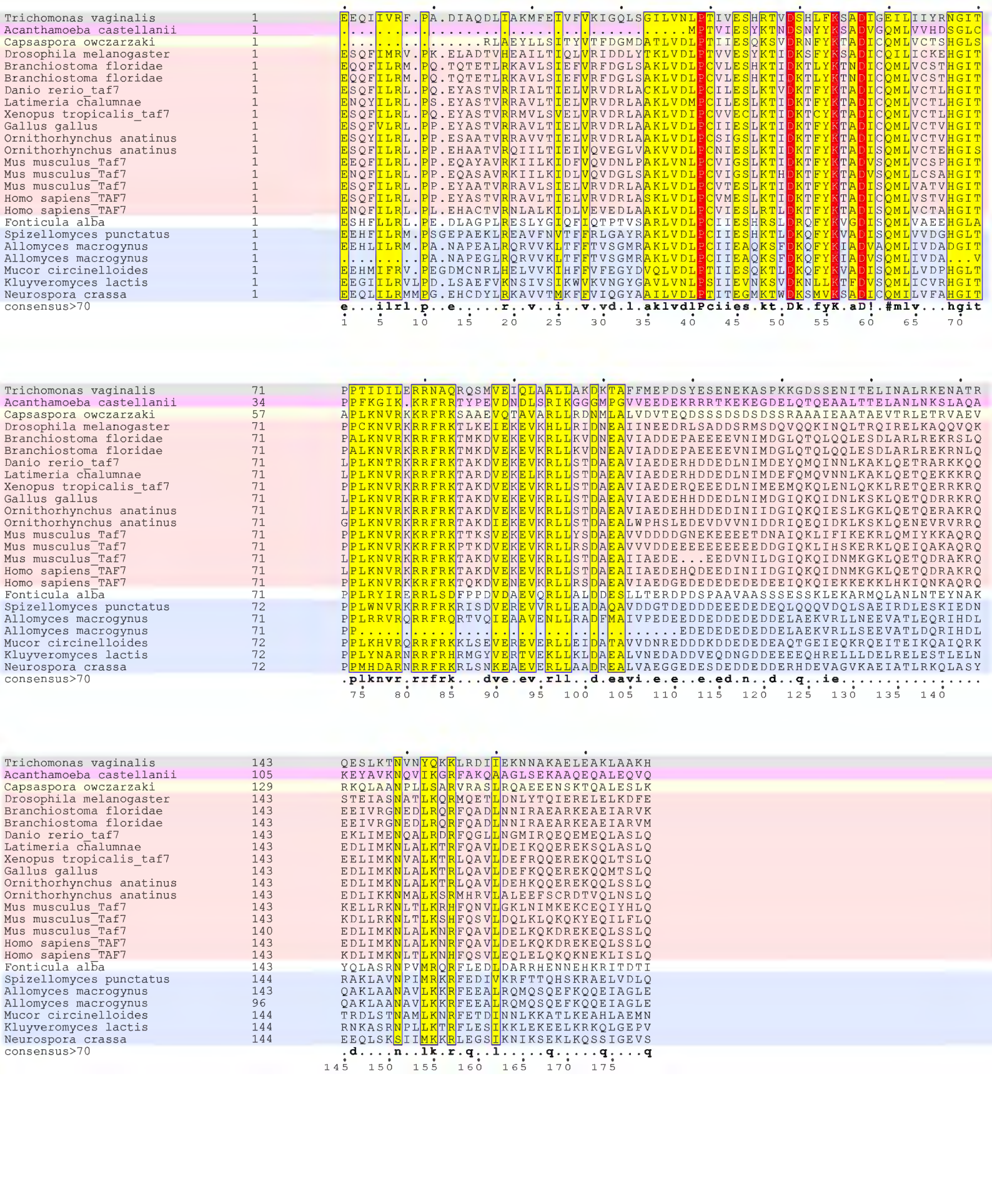


TAF6 HFD, mafftlinsi (conservation > 70%: yellow - partial; red - complete) - page 6

Trichomonas vaginalis		..
Trichomonas vaginalis		..
Trichomonas vaginalis		..
Trichomonas vaginalis		..
Trichomonas vaginalis	199	EL
Trichomonas vaginalis	201	V.
Trichomonas vaginalis	203	EF
Naegleria gruberi	204	EL
Blastocystis hominis		..
Blastocystis hominis		..
Bigelowiella natans	186	HR
Oxytricha trifallax		..
Arabidopsis thaliana		..
Arabidopsis thaliana_TAF6b		..
Klebsormidium flaccidum	202	L.
Micromonas species	198	A.
Cyanophora paradoxa	221	LP
Porphyridium purpureum	180	DA
Porphyridium purpureum		..
Acanthamoebe castellanii	148	TA
Capsaspora owczarzaki	221	QA
Nematostella vectensis	172	RM
Nematostella vectensis	237	TE
Drosophila melanogaster	177	VL
Drosophila melanogaster	221	GE
Caenorhabditis elegans	186	QK
Caenorhabditis elegans	232	HE
Branchiostoma floridae	224	AE
Branchiostoma floridae	224	AV
Branchiostoma floridae	167	KT
Branchiostoma floridae	164	KT
Danio rerio_taf6	223	AE
Danio rerio_taf6l	172	KV
Xenopus tropicalis_taf6l	172	KV
Xenopus tropicalis_taf6	231	AE
Mus musculus_Taf6l	172	KV
Mus musculus_Taf6	233	AE
Homo sapiens_TAF6	233	AE
Homo sapiens_TAF6L	172	KV
Fonticula alba		..
Spizellomyces punctatus	205	SL
Allomyces macrogynus	204	ET
Coemansia reversa	196	ST
Mucor circinelloides	201	SQ
Mortierella elongata	236	AT
Saccharomyces cerevisiae	238	A.
Kluyveromyces lactis	237	SQ
Neurospora crassa	206	KT
Schizosaccharomyces pombe	216	RD
Ustilago maydis	233	ED
consensus>70		..

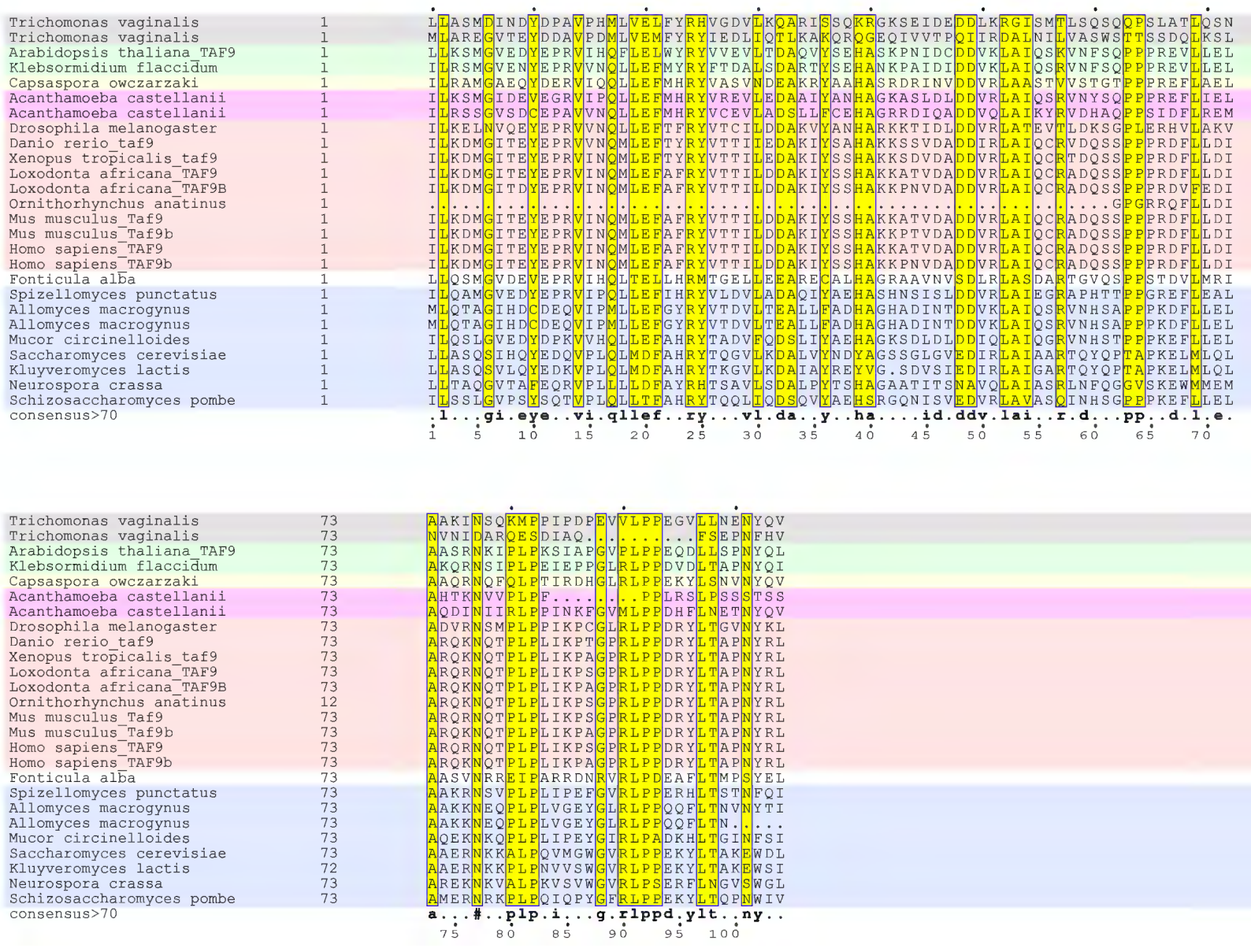
TAF7 protein, trimAL (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S29



TAF9 protein, gappyout (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S30



TAF10 protein, gappyout (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S31

TAF12 protein, gappyout (conservation > 70%: yellow - partial; red - complete)

Supplemental Fig. S32