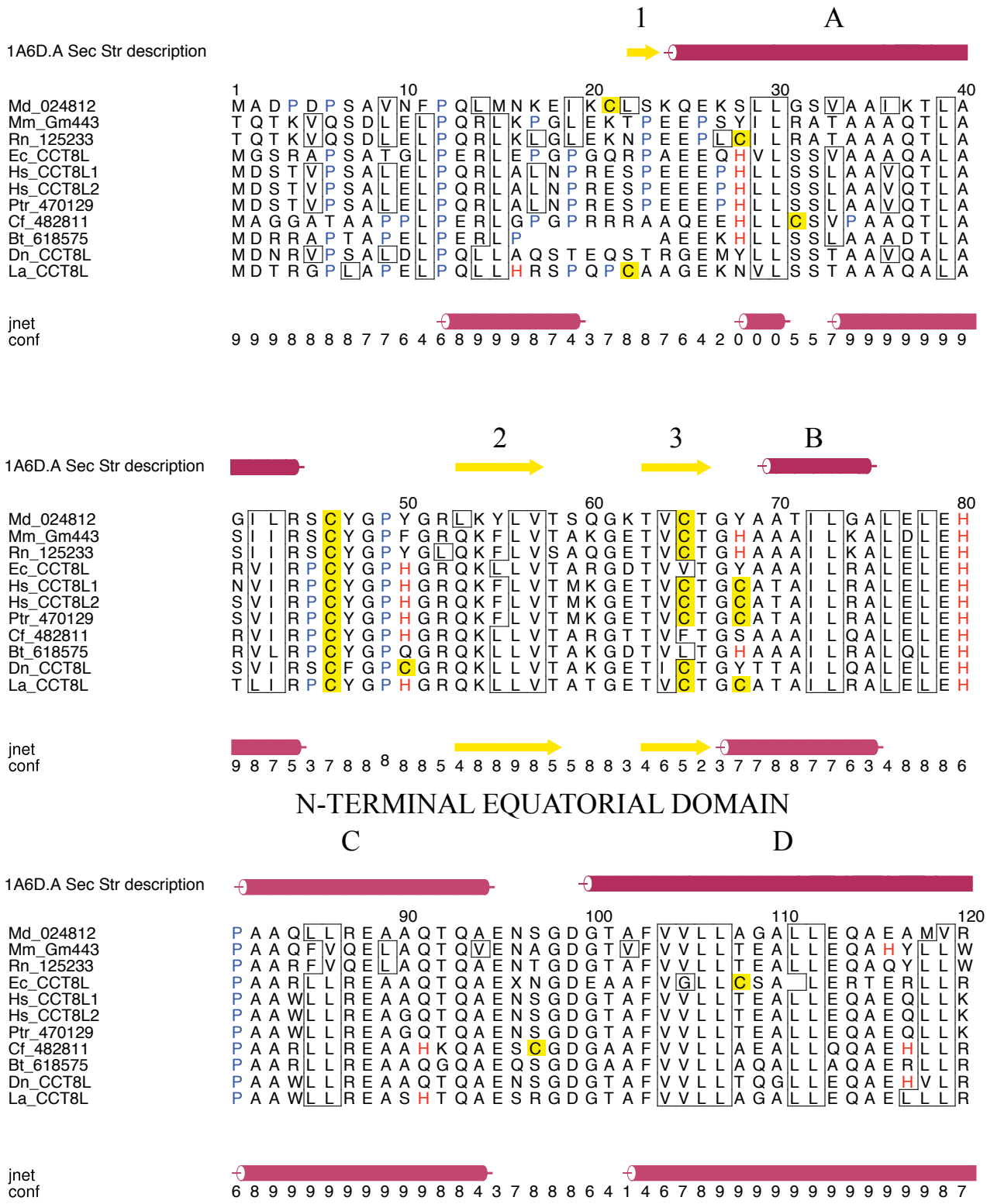
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A
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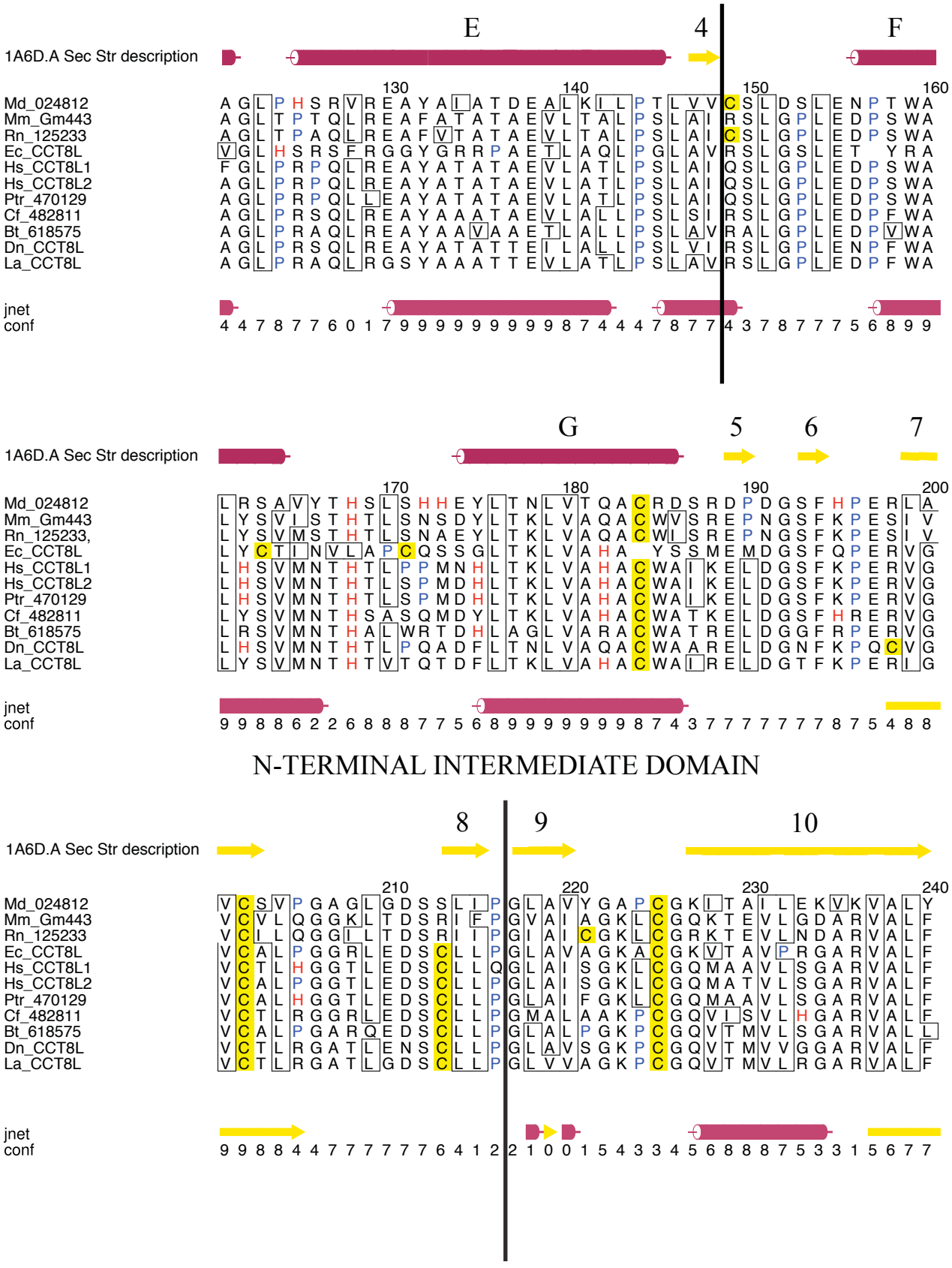
Mm_Gm443
Rn_125233
Ec_CCT8L
Hs_CCT8L1
Hs_CCT8L2
Ptr_470129
Cf_482811
Bt_618575
Dn_CCT8L
La_CCT8L
jnet
conf
2
3
B
1A6D.A Sec Str description
Md_024812
Mm_Gm443
Rn_125233
Ec_CCT8L
Hs_CCT8L1
Hs_CCT8L2
Ptr_470129
Cf_482811
Bt_618575
Dn_CCT8L
La_CCT8L
jnet
conf
N-TERMINAL EQUATORIAL DOMAIN
C
D
1A6D.A Sec Str description
Md_024812
Mm_Gm443
Rn_125233
Ec_CCT8L
Hs_CCT8L1
Hs_CCT8L2
Ptr_470129
Cf_482811
Bt_618575
Dn_CCT8L
La_CCT8L
jnet
conf


E
4
F
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130
140
150
160
Md_024812
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Rn_125233
Ec_CCT8L
Hs_CCT8L1
Hs_CCT8L2
Ptr_470129
Cf_482811
Bt_618575
Dn_CCT8L
La_CCT8L
jnet
conf
4 4 7 8 7 7 6 0 1 7 9 9 9 9 9 9 9 9 8 7 4 4 4 7 8 7 7 4 3 7 8 7 7 7 5 6 8 9 9
G
5
6
7
1A6D.A Sec Str description
170
180
190
200
Md_024812
Mm_Gm443
Rn_125233,
Ec_CCT8L
Hs_CCT8L1
Hs_CCT8L2
Ptr_470129
Cf_482811
Bt_618575
Dn_CCT8L
La_CCT8L
jnet
conf
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N-TERMINAL INTERMEDIATE DOMAIN
8
9
10
1A6D.A Sec Str description
210
220
230
240
Md_024812
Mm_Gm443
Rn_125233
Ec_CCT8L
Hs_CCT8L1
Hs_CCT8L2
Ptr_470129
Cf_482811
Bt_618575
Dn_CCT8L
La_CCT8L
jnet
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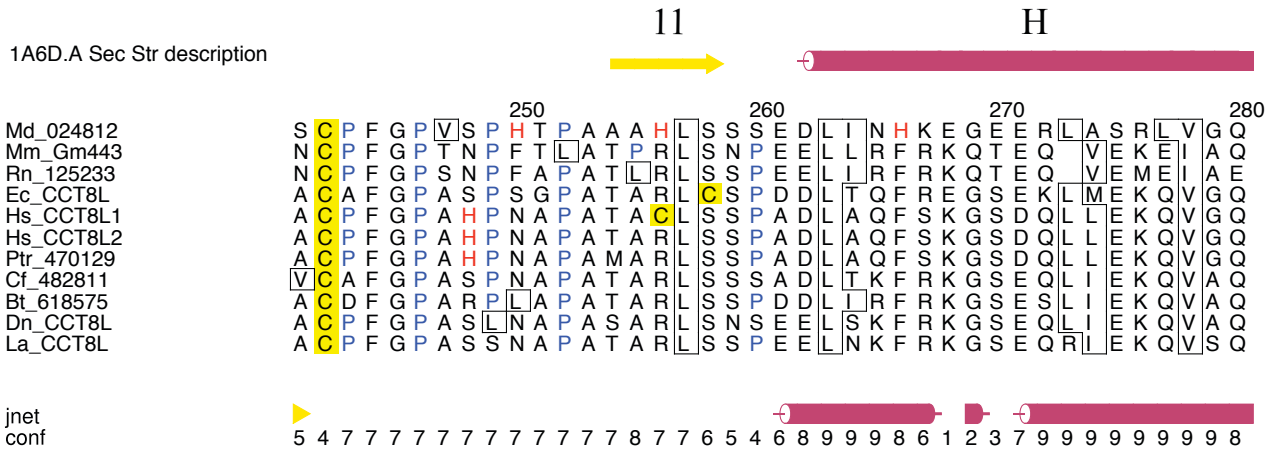
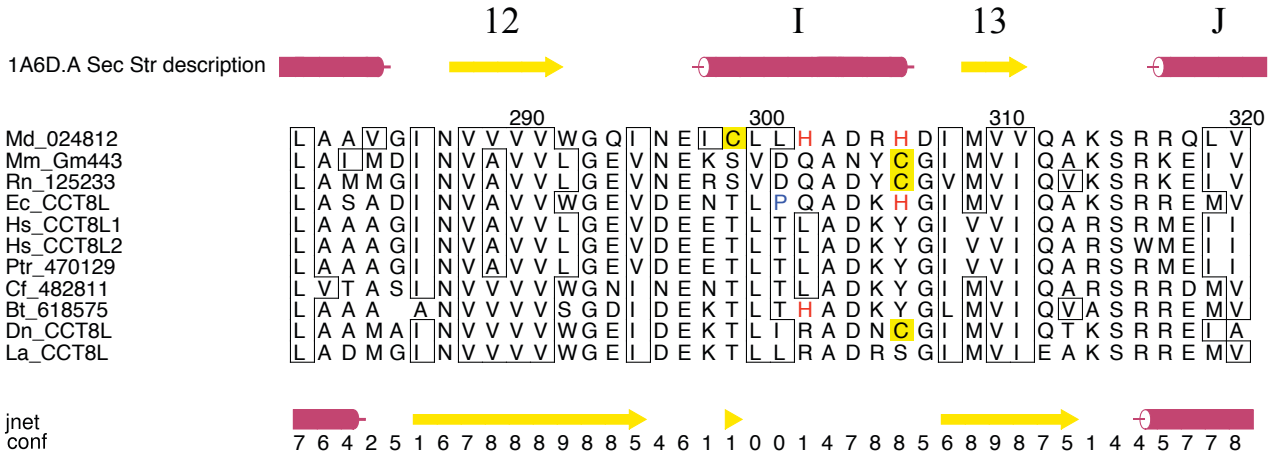
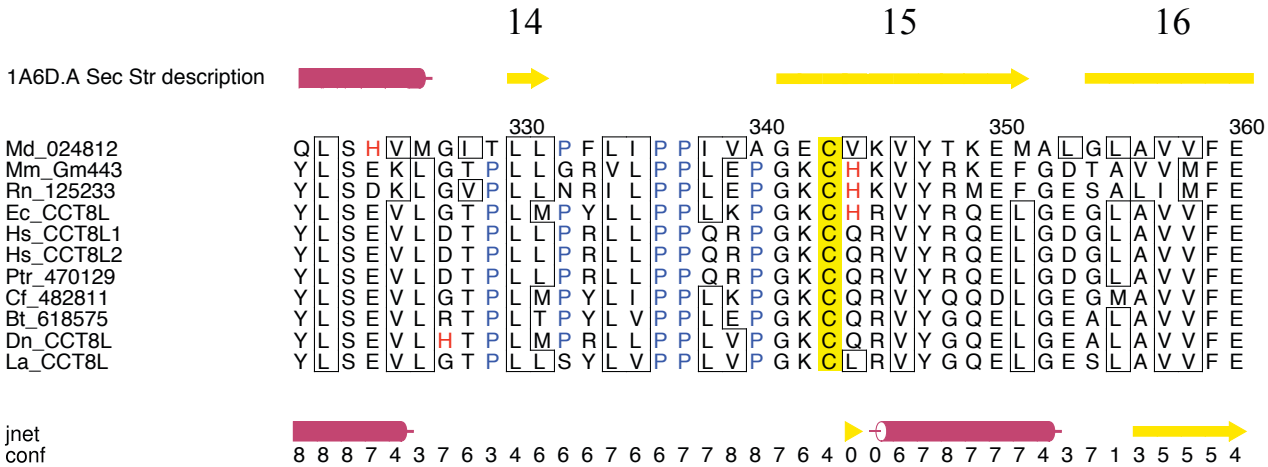
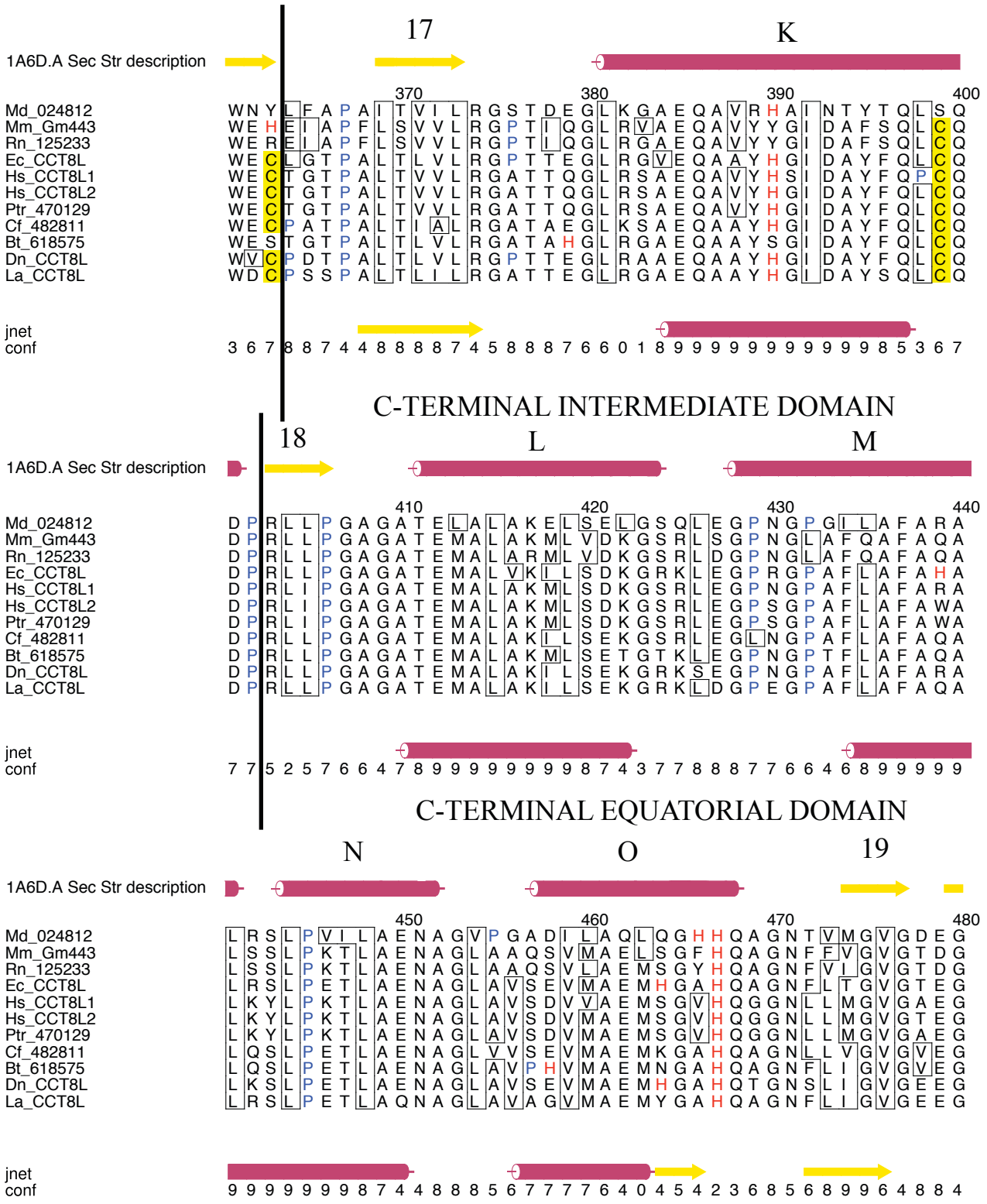


APICAL DOMAIN



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380
390
400
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Mm_Gm443 WEHEIAPFLSVVLRGPTIQGLRVAEQAVYYGIDAFSQLCQ
Rn_125233 WERELAPFLSVVLRGPTIQGLRGAEQAVYYGIDAFSQLCQ
Ec_CCT8L WECLGTPALTLVLRGPTTEGLRGVEQAAYHGIDAYFQLCQ
Hs_CCT8L1 WECTGTPALTVVLRGATTQGLRSAEQAVYHSIDAYFQPCQ
Hs_CCT8L2 WECTGTPALTVVLRGATTQGLRSAEQAVYHGIDAYFQLCQ
Ptr_470129 WECTGTPALTVVLRGATTQGLRSAEQAVYHGIDAYFQLCQ
Cf_482811 WECPATPALTIALRGATAEGLKSAEQAAYHGIDAYFQLCQ
Bt_618575 WESTGTPALTLVLRGATAHGLRGAEQAAYSGIDAYFQLCQ
Dn_CCT8L WVCPDTPALTLVLRGPTTEGLRAAEQAAYHGIDAYFQLCQ
La_CCT8L WDCPSSPALTLILRGATTEGLRGAEQAAYHGIDAYSQLCQ
jnet
conf 3 6 7 8 8 7 4 4 8 8 8 8 7 4 5 8 8 8 7 6 6 0 1 8 9 9 9 9 9 9 9 9 9 8 5 3 6 7
C-TERMINAL INTERMEDIATE DOMAIN
18
L
M
1A6D.A Sec Str description
410
420
430
440
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Mm_Gm443 DPRLLPGAGATEMALAKMLVDKGSRLSGPNGLAFQAFAQA
Rn_125233 DPRLLPGAGATEMALARMLVDKGSRLDGPNGLAFQAFAQA
Ec_CCT8L DPRLLPGAGATEMALVKILSDKGRKLEGPRGPAFLAFAHA
Hs_CCT8L1 DPRLIPGAGATEMALAKMLSDKGSRLEGPNGPAFLAFARA
Hs_CCT8L2 DPRLIPGAGATEMALAKMLSDKGSRLEGPSGPAFLAFAWA
Ptr_470129 DPRLIPGAGATEMALAKMLSDKGSRLEGPSGPAFLAFAWA
Cf_482811 DPRLLPGAGATEMALAKILSEKGSRLEGLNGPAFLAFAQA
Bt_618575 DPRLLPGAGATEMALAKMLSETGTKLEGPNGPTFLAFAQA
Dn_CCT8L DPRLLPGAGATEMALAKILSEKGRKSEGPNGPAFLAFARA
La_CCT8L DPRLLPGAGATEMALAKILSEKGRKLDGPEGPAFLAFAQA
jnet
conf 7 7 5 2 5 7 6 6 4 7 8 9 9 9 9 9 9 9 8 7 4 3 7 7 8 8 8 7 7 6 6 4 6 8 9 9 9 9
C-TERMINAL EQUATORIAL DOMAIN
N
O
19
1A6D.A Sec Str description
450
460
470
480
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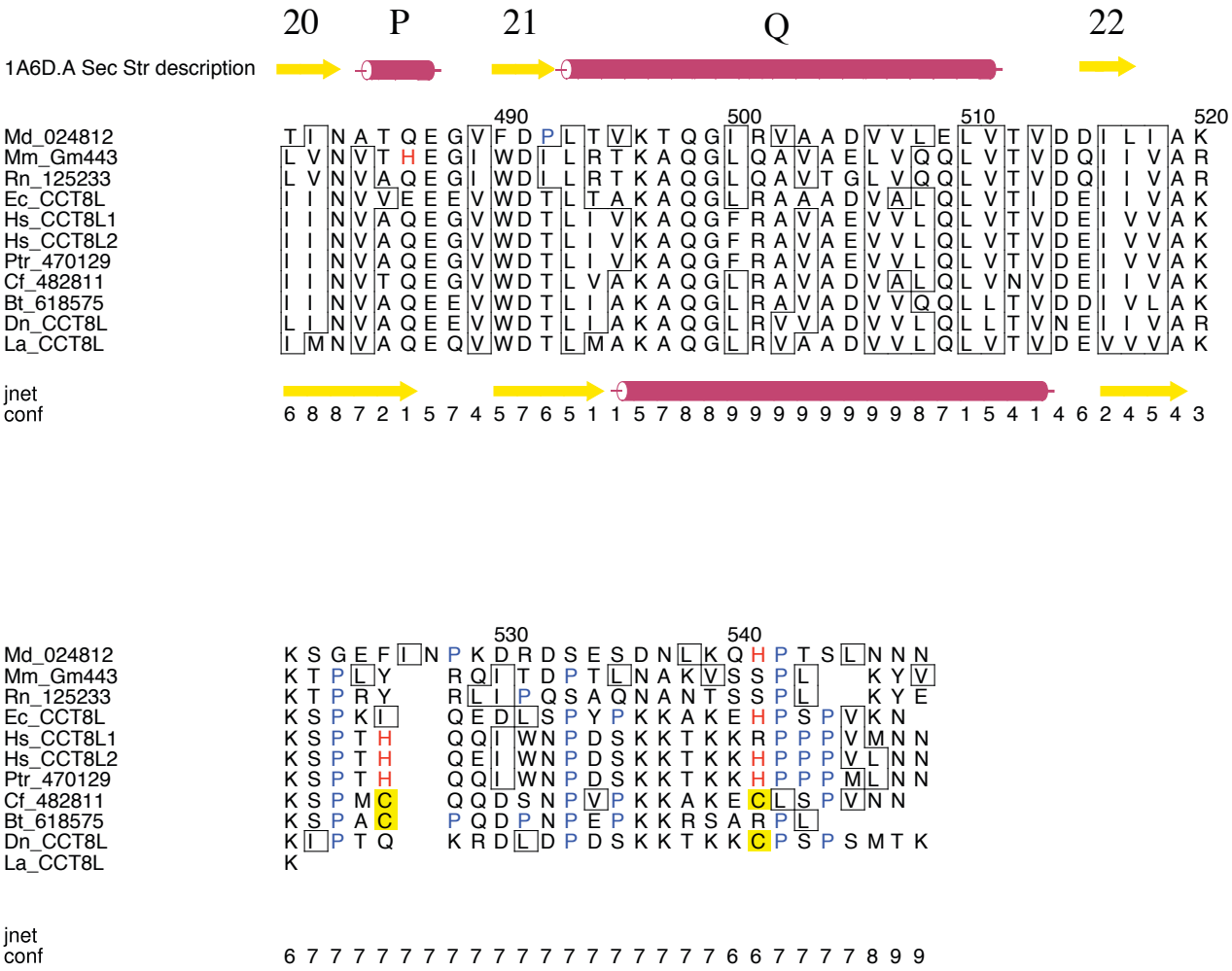
Mm_Gm443 LSSLPKTLAENAGLAAQSVMAELSGFHQAGNFFVGVGTDG
Rn_125233 LSSLPKTLAENAGLAAQSVLAEMSGYHQAGNFVIGVGTDG
Ec_CCT8L LRSLPETLAENAGLAVSEVMAEMHGAHQAGNFLTGVGTEG
Hs_CCT8L1 LKYLPKTLAENAGLAVSDVVAEMSGVHQGGNLLMGVGAEG
Hs_CCT8L2 LKYLPKTLAENAGLAVSDVMAEMSGVHQGGNLLMGVGTEG
Ptr_470129 LKYLPKTLAENAGLAVSDVMAEMSGVHQGGNLLMGVGAEG
Cf_482811 LQSLPETLAENAGLVVSEVMAEMKGAHQAGNLLVGVGVEG
Bt_618575 LQSLPETLAENAGLAVPHVMAEMNGAHQAGNFLIGVGVEG
Dn_CCT8L LKSLPETLAENAGLAVSEVMAEMHGAHQTGNSLIGVGEEG
La_CCT8L LRSLPETLAQNAGLAVAGVMAEMYGAHQAGNFLIGVGEEG
jnet
conf 9 9 9 9 9 9 8 7 4 4 8 8 8 5 6 7 7 7 6 4 0 4 5 4 2 3 6 8 5 6 8 9 9 6 4 8 8 4



Supplementary figure S12. Alignment and secondary-structure predictions of CCT8L sequences compared to PDB secondary-structure description of 1a6d. See Legend for Supplementary figure S10 for symbols and Legend for Figure 2 for species abbreviations.