



ZZ domain of dystrophin and utrophin: topology and mapping of a beta-dystroglycan interaction site.

Karim Hnia, Dora Zouiten, Sonia Cantel, Delphine Chazalette, Gérald Hugon, Jean-Alain Fehrentz, Ahmed Masmoudi, Ann Diment, Janice Bramham, Dominique Mornet, et al.

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⁶ECPIIGF ¹⁹YRSLKHF ³¹YDICQSC
⁴KECPIIG ¹⁸RYRSLKH ²⁹NYDICQS
²CKECP II ¹⁷FRYRSLK ²⁷FNYDICQ
¹ICKECPI ¹⁶GFRYRSL ²⁵HFNYDIC
NICKECP ¹⁴IGFRYRS ²³KHFNYDI
CNICKEC ¹²IIGFRYR ²²LKHFN YD
KCNICKE ¹⁰PIIGFRY ²¹SLKHFN Y ³⁵ICQSCFF
AKCNICK ⁸CPIIGFR ²⁰RSLKHFN ³³DICQSCF
Dys 3311...**AKCNICKECPIIGFRYRSLKHFN YDICQSCFF**...3342
|||||||:|||||||:|||||
Utr 3068...**AKCNICKECPIVGFRYRSLKHFN YDVCQSCFF**...3099
³CKECP IV ²⁴KHFNYDV
⁵KECP IVG ²⁶HFNYDVC
⁷ECPIVGF ²⁸FNYDVCQ
⁹CPIVGFR ³⁰NYDVCQS
¹¹PIVGFRY ³²YDVCQSC
¹³IVGFRYR ³⁴DVCQSCF
¹⁵VGFRYRS ³⁶VCQSCFF

Figure 1 Hnia et al

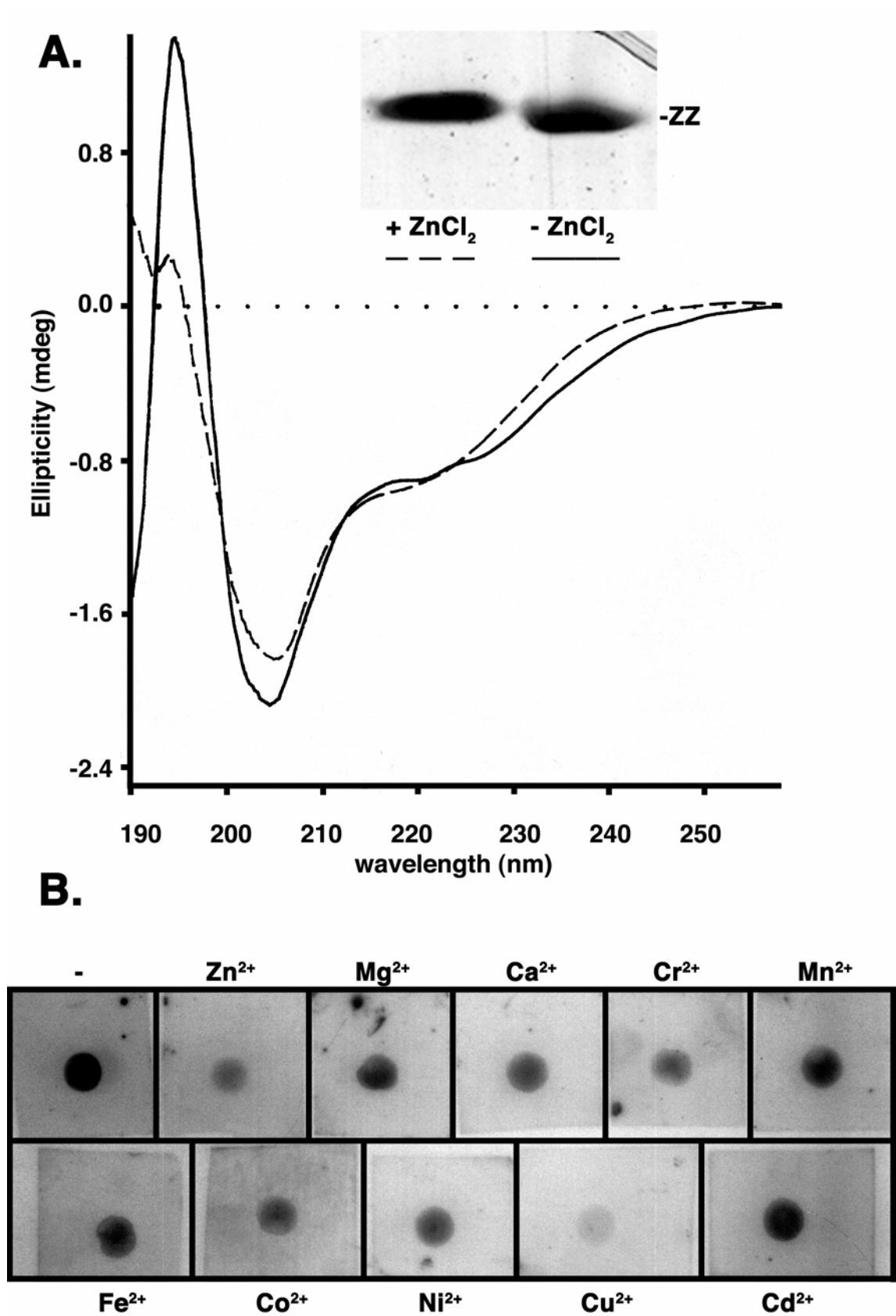


Figure 2 Hnia et al

C

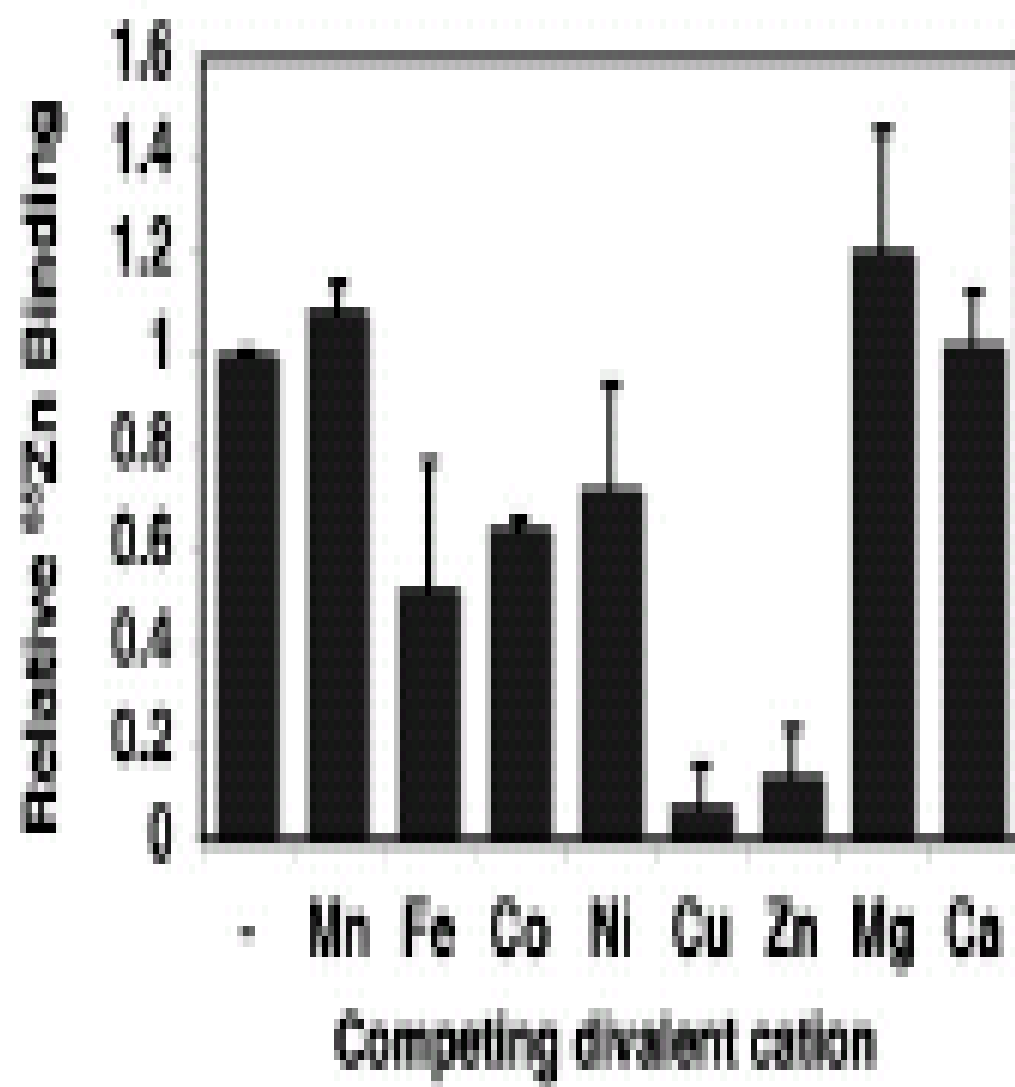
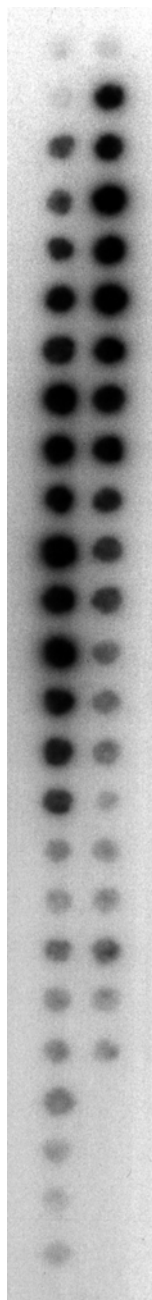


Figure 2 Hnia et al

A.

1. MVWLPVLHRVAAAETAKHQQA
2. VWLPVLHRVAAAETAKHQAK
3. WLPVLHRVAAAETAKHQAKC
4. LPVLHRVAAAETAKHQAKCN
5. PVLHRVAAAETAKHQAKCNI
6. VLHRVAAAETAKHQAKCNIC
7. LHRVAAAETAKHQAKCNICK
8. HRVAAAETAKHQAKCNICKE
9. RVAAAETAKHQAKCNICKEC
10. VAAAETAKHQAKCNICKECP
11. AAAETAKHQAKCNICKECPI
12. AAETAKHQAKCNICKECPIV
13. AETAKHQAKCNICKECPIVG
14. ETAKHQAKCNICKECPIVGF
15. TAKHQAKCNICKECPIVGFR
16. AKHQAKCNICKECPIVGFRY
17. KHQAKCNICKECPIVGFRYR
18. HQAKCNICKECPIVGFRYRS
19. QAKCNICKECPIVGFRYRSL
20. AKCNICKECPIVGFRYRSLK
21. KCNICKECPIVGFRYRSLKH
22. CNICKECPIVGFRYRSLKHF
23. NICKECPIVGFRYRSLKHFN
24. ICEKECPIVGFRYRSLKHFN
25. CKECPIVGFRYRSLKHFN



26. KECPIVGFRYRSLKHFNVDV
27. ECPVGFYRSLKHFNVDVC
28. CPIVGFRYRSLKHFNVDVCQ
29. PIVGFYRSLKHFNVDVCQS
30. IVGFYRSLKHFNDVCQSC
31. VGFYRSLKHFNDVCQSCF
32. GFYRSLKHFNDVCQSCFF
33. FRYRSLKHFNDVCQSCFFS
34. RYRSLKHFNDVCQSCFFSG
35. YRSLKHFNDVCQSCFFSGR
36. RSLKHFNDVCQSCFFSGR
37. SLKHFNDVCQSCFFSGR
38. LKHFNVDVCQSCFFSGRTAK
39. KHFNVDVCQSCFFSGRTAKG
40. HFNVDVCQSCFFSGRTAKGH
41. FNVVDVCQSCFFSGRTAKGHK
42. NYDVCQSCFFSGRTAKGHKL
43. YDVQSCFFSGR
44. DVCQSCFFSGR
45. VCQSCFFSGR
46. CQSCFFSGRTAKGHKLHYP
- 47.
- 48.
- 49.
- 50.

B.



Figure 3 Hnia et al

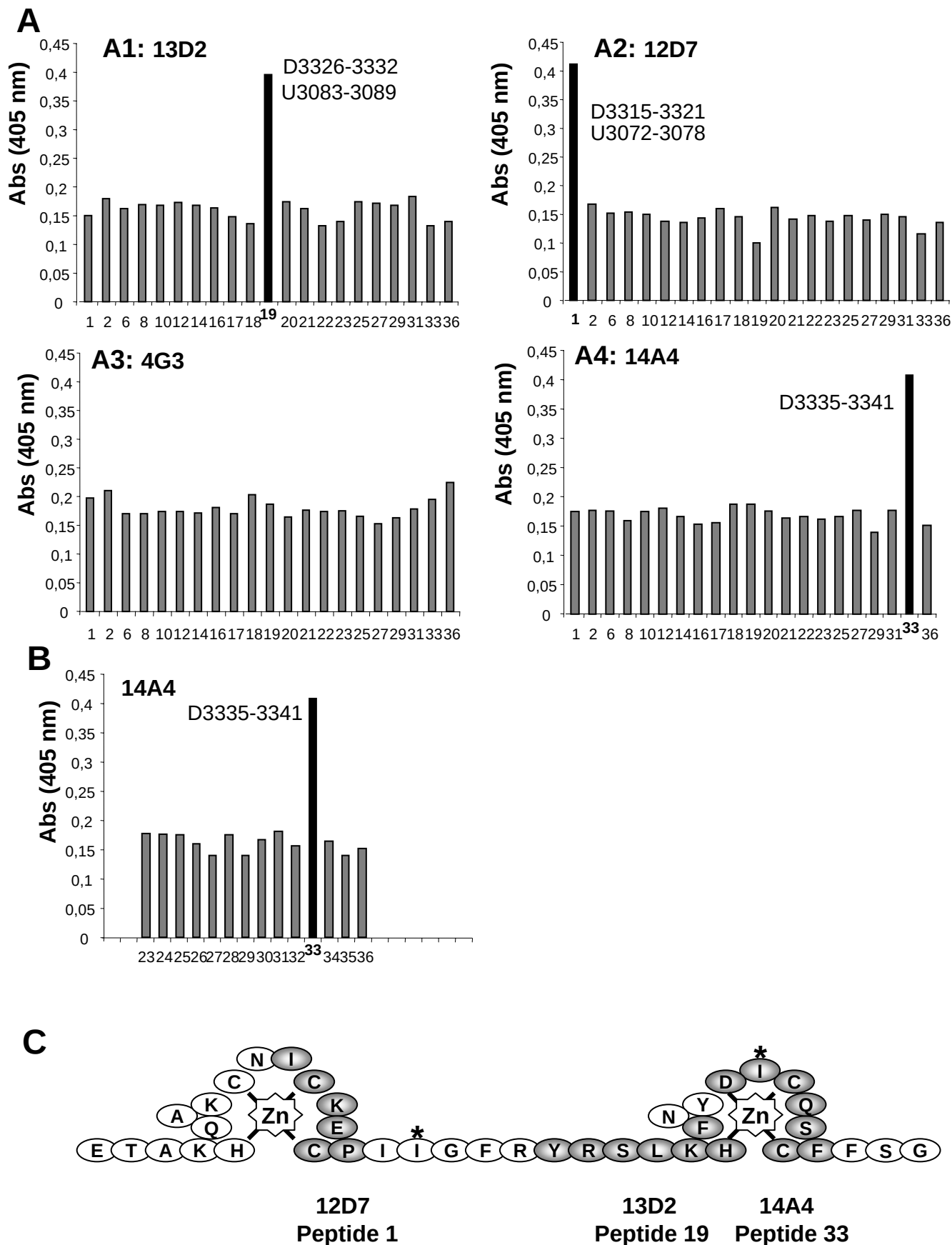


Figure 4

Hnia et al

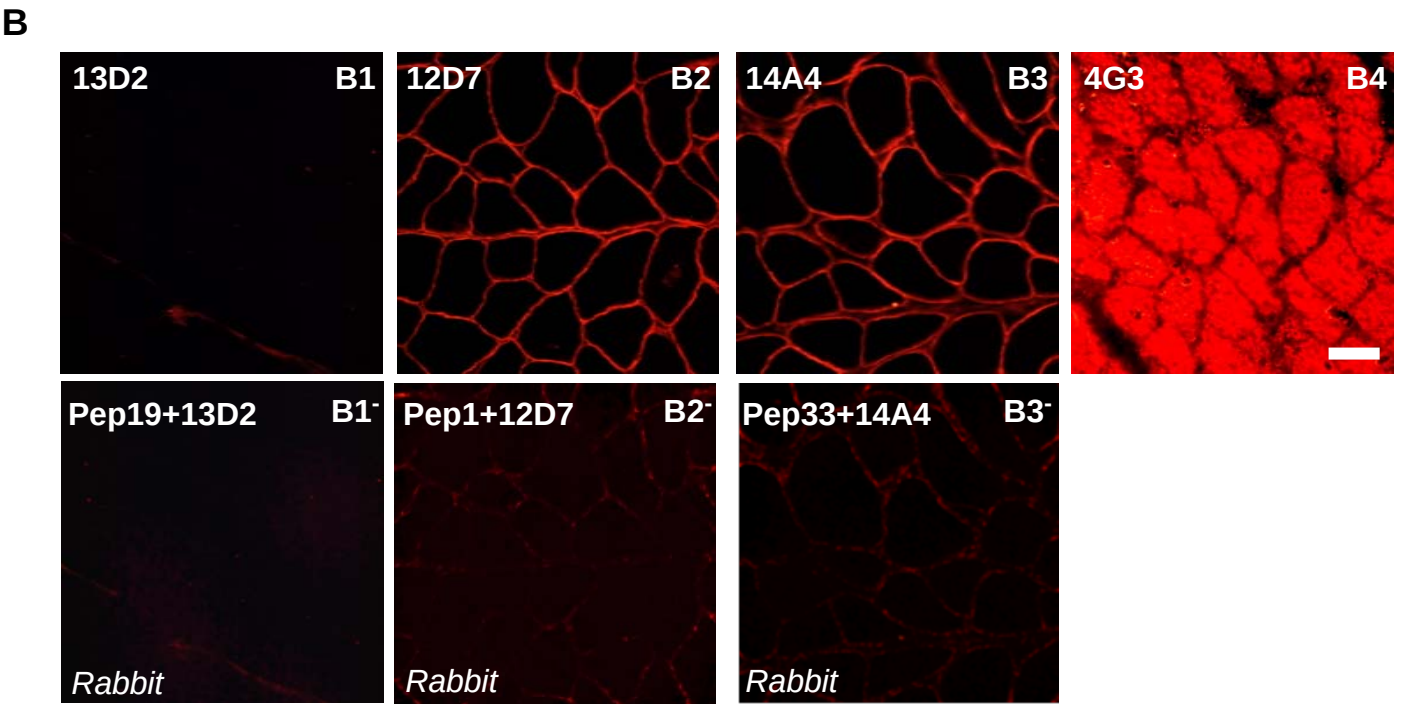
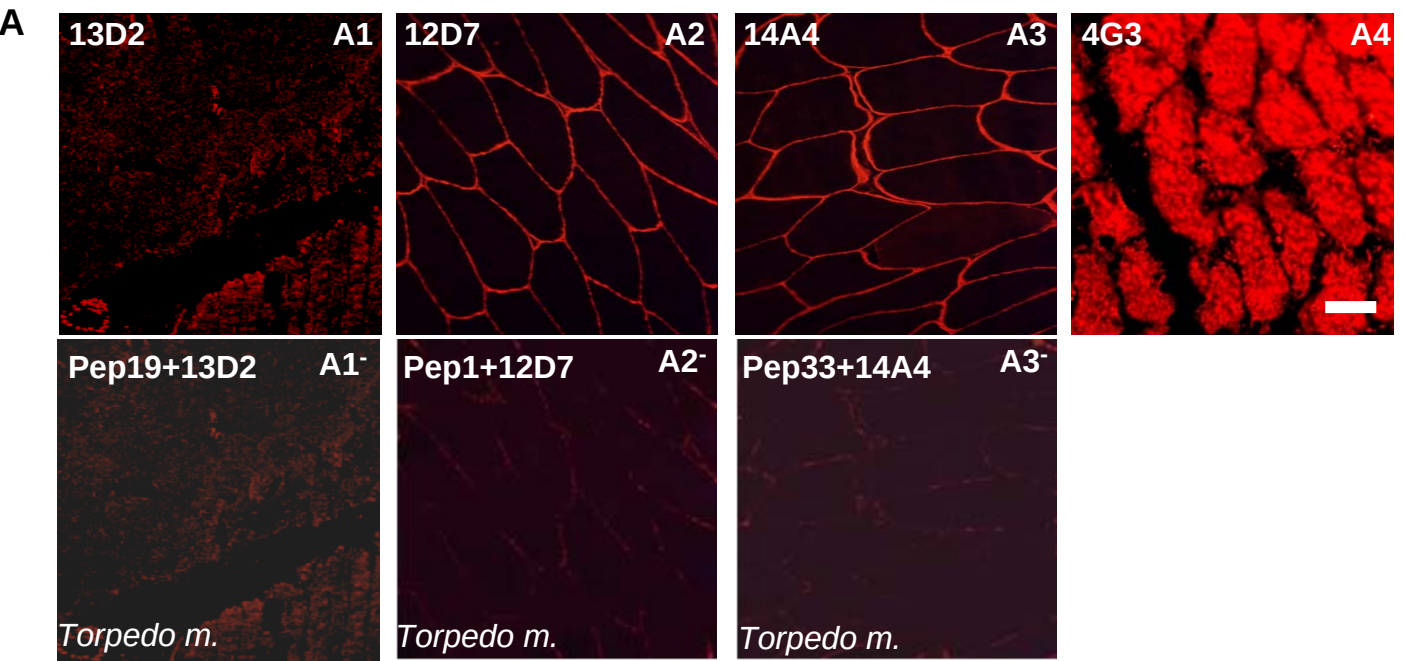
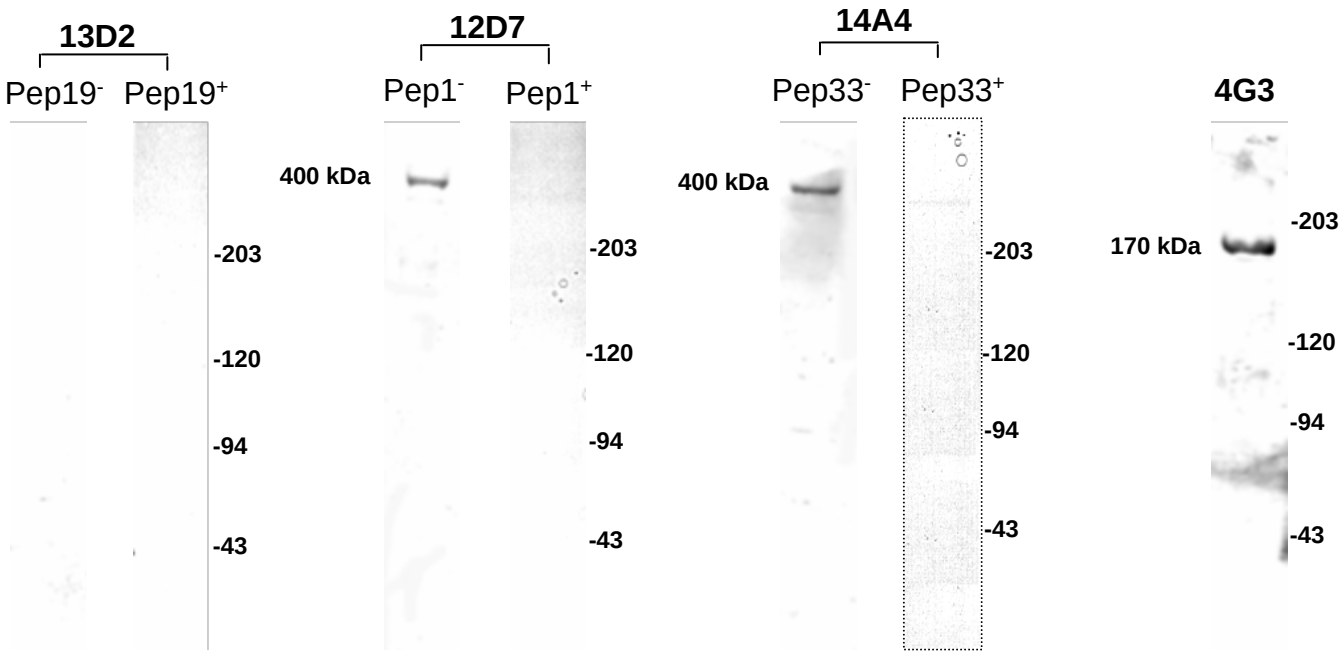


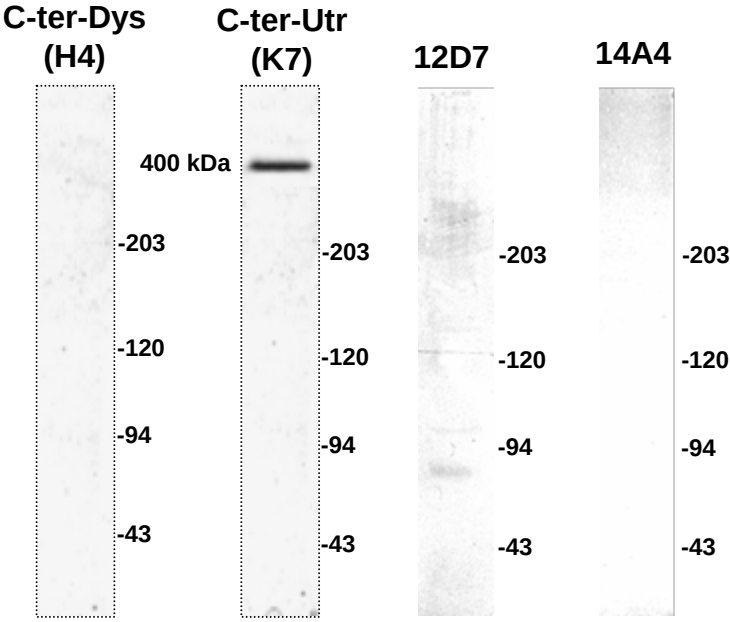
Figure 5AB Hnia et al

C



Rabbit skeletal muscle

D



mdx mouse skeletal muscle

Figure 5CD Hnia et al

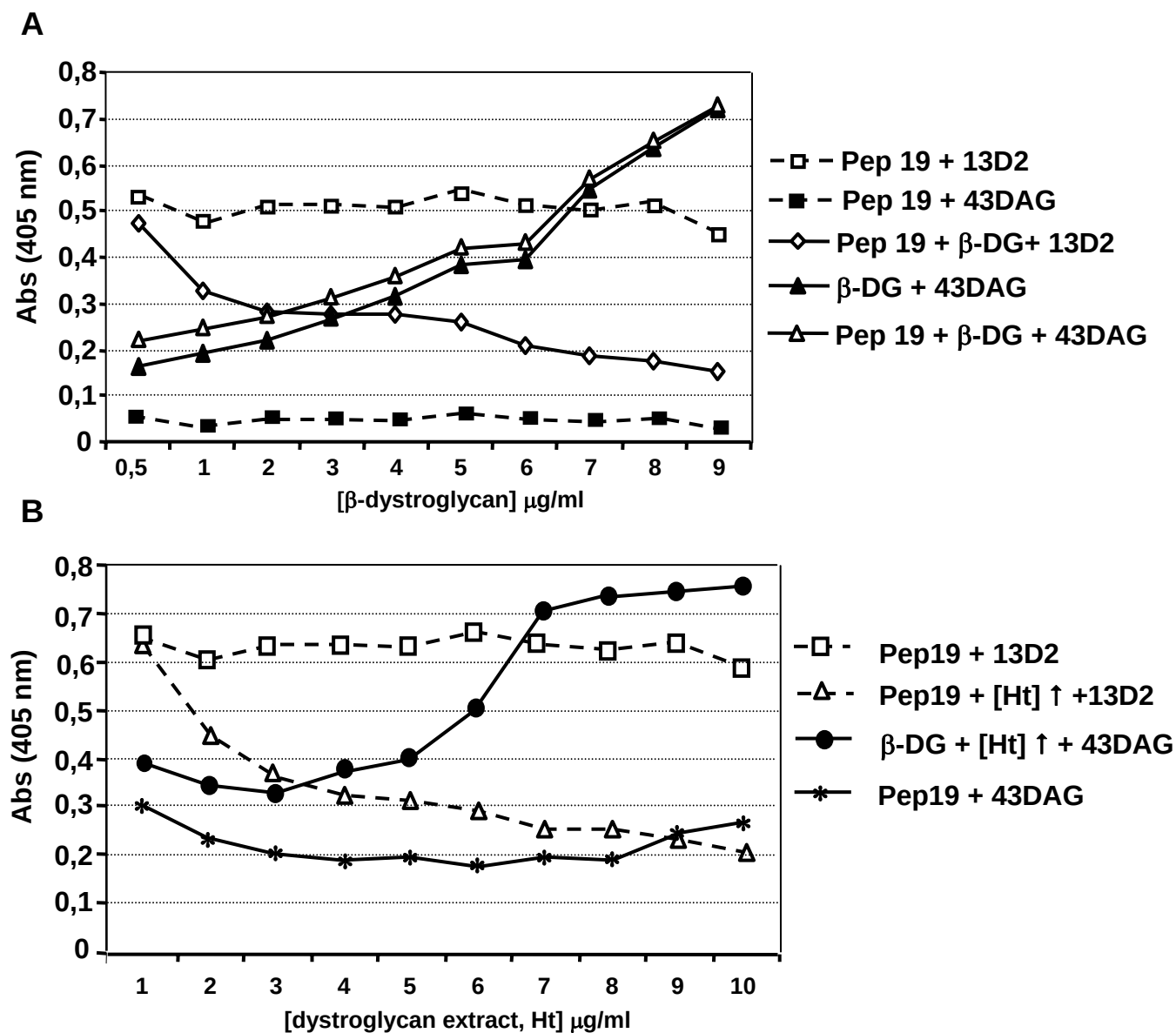
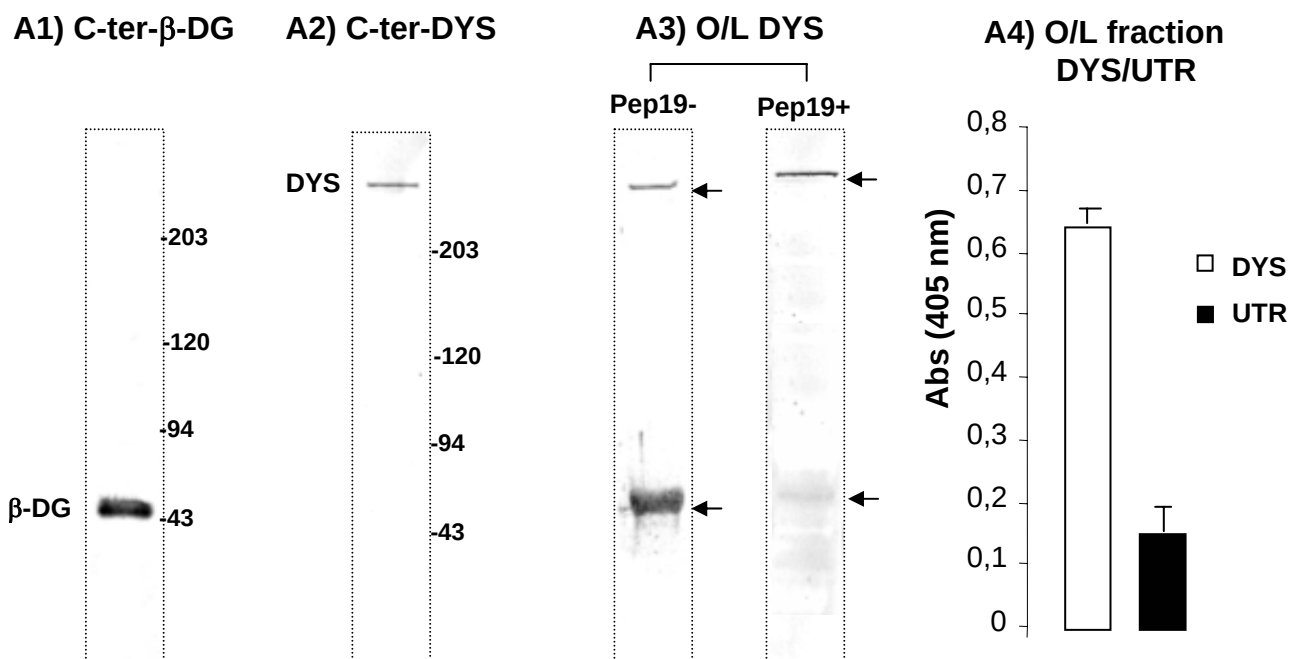


Figure 6 Hnia et al

A



B

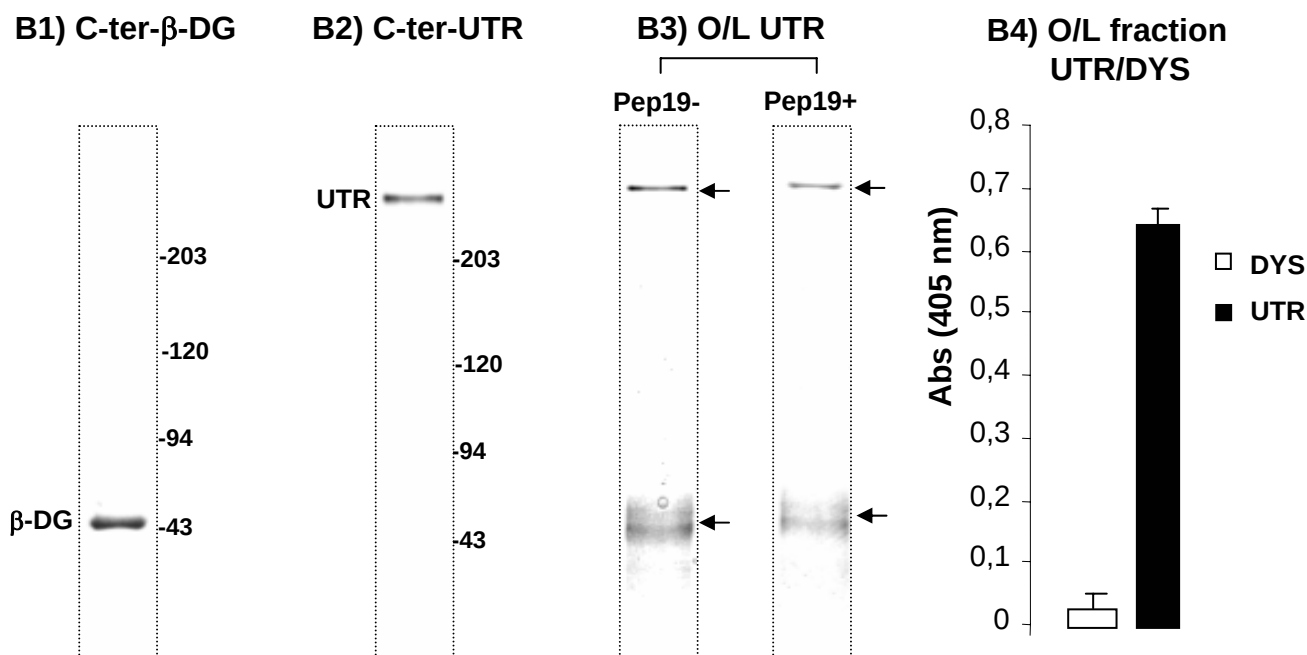


Figure 7

Hnia et al

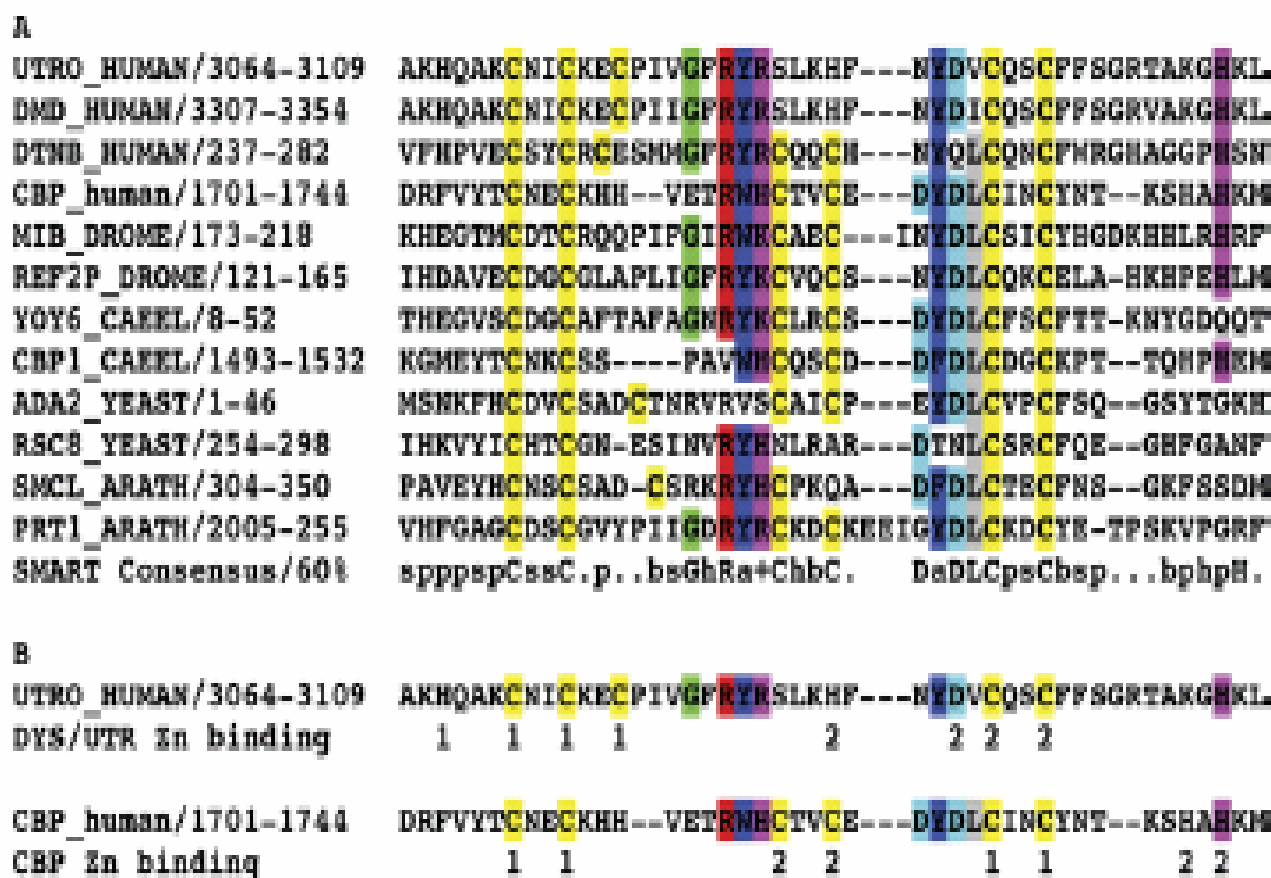


Figure 8 Hnia et al