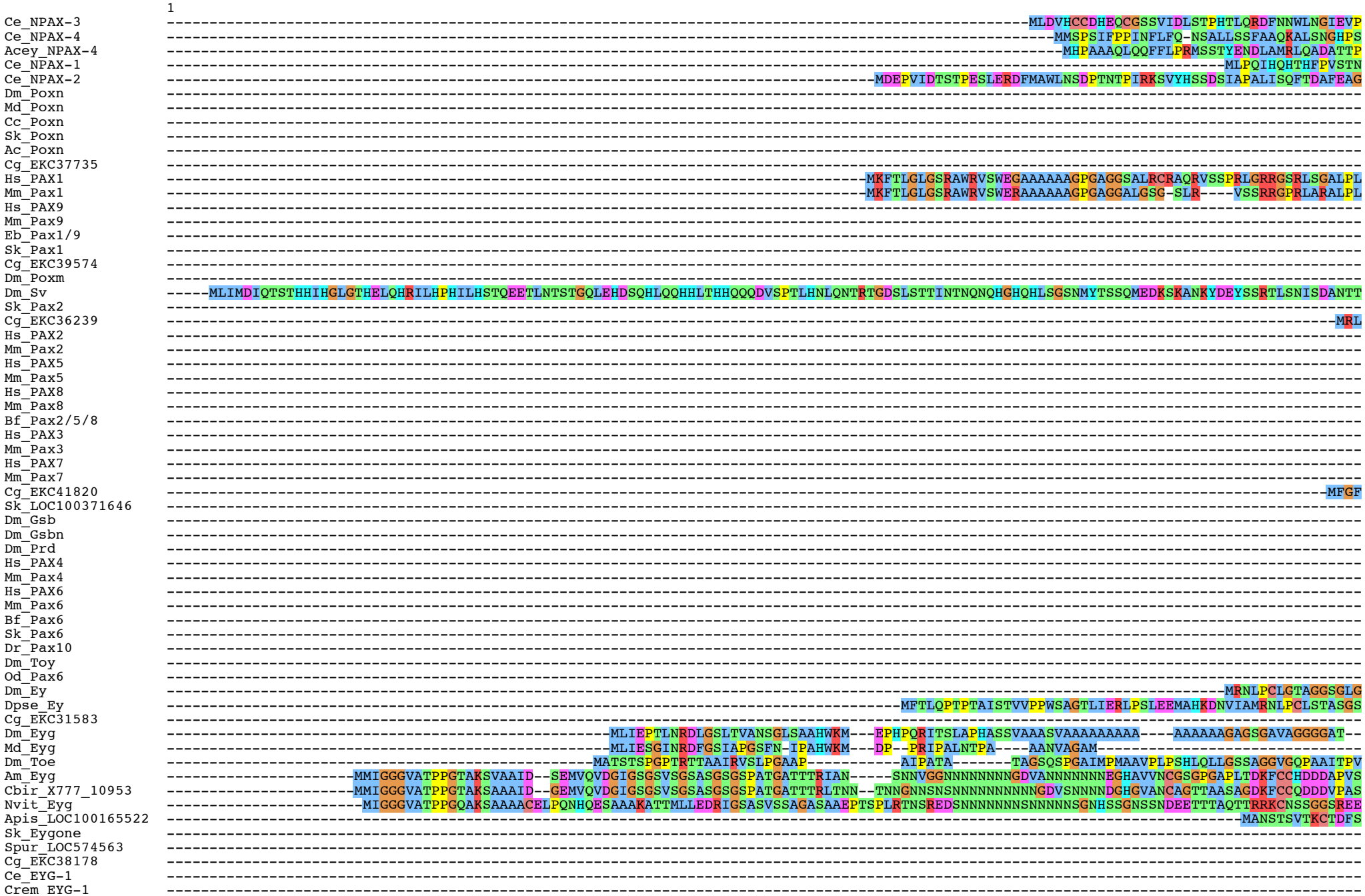
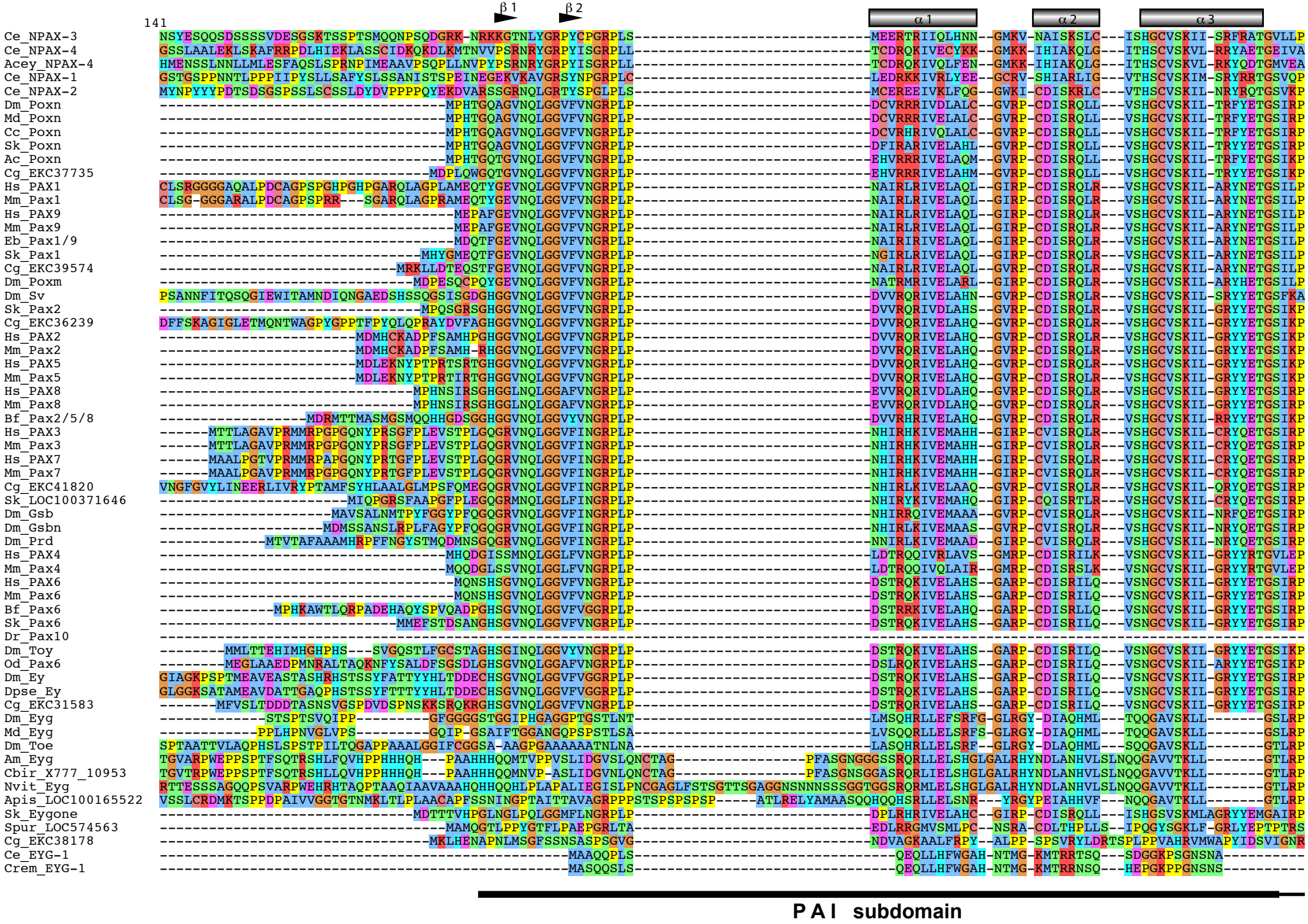
Sup. Fig. S5 Sequence alignment of selected PRD class proteins




β 1
β 2
α 1
α 2
α 3
141
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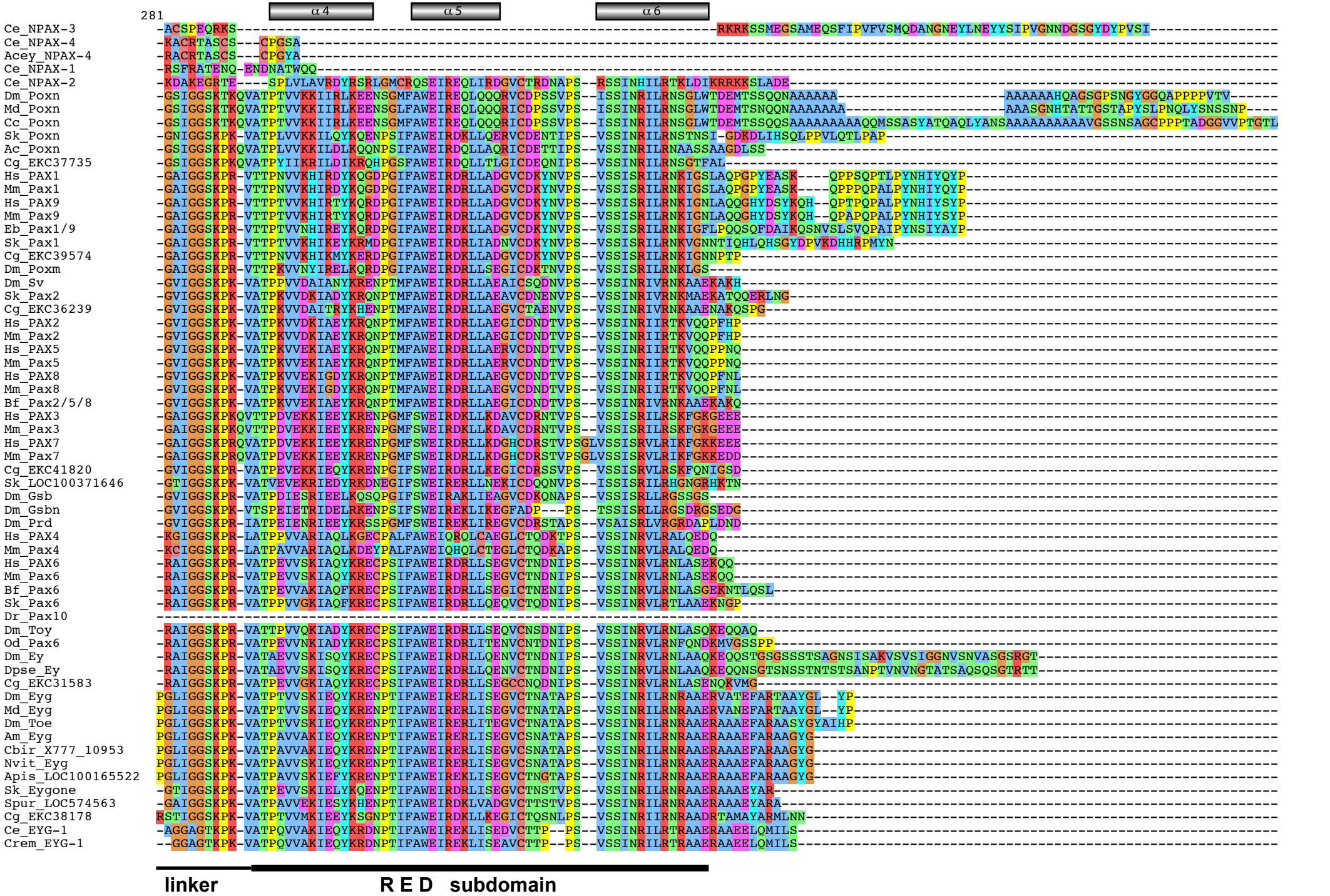
Ce_NPAX-4
Acey_NPAX-4
Ce_NPAX-1
Ce_NPAX-2
Dm_Poxn
Md_Poxn
Cc_Poxn
Sk_Poxn
Ac_Poxn
Cg_EKC37735
Hs_PAX1
Mm_Pax1
Hs_PAX9
Mm_Pax9
Eb_Pax1/9
Sk_Pax1
Cg_EKC39574
Dm_Poxm
Dm_Sv
Sk_Pax2
Cg_EKC36239
Hs_PAX2
Mm_Pax2
Hs_PAX5
Mm_Pax5
Hs_PAX8
Mm_Pax8
Bf_Pax2/5/8
Hs_PAX3
Mm_Pax3
Hs_PAX7
Mm_Pax7
Cg_EKC41820
Sk_LOC100371646
Dm_Gsb
Dm_Gsbn
Dm_Prd
Hs_PAX4
Mm_Pax4
Hs_PAX6
Mm_Pax6
Bf_Pax6
Sk_Pax6
Dr_Pax10
Dm_Toy
Od_Pax6
Dm_Ey
Dpse_Ey
Cg_EKC31583
Dm_Eyg
Md_Eyg
Dm_Toe
Am_Eyg
Cbir_X777_10953
Nvit_Eyg
Apis_LOC100165522
Sk_Eygone
Spur_LOC574563
Cg_EKC38178
Ce_EYG-1
Crem_EYG-1
PAI subdomain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α 5
α 6
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Md_Poxn
Cc_Poxn
Sk_Poxn
Ac_Poxn
Cg_EKC37735
Hs_PAX1
Mm_Pax1
Hs_PAX9
Mm_Pax9
Eb_Pax1/9
Sk_Pax1
Cg_EKC39574
Dm_Poxm
Dm_Sv
Sk_Pax2
Cg_EKC36239
Hs_PAX2
Mm_Pax2
Hs_PAX5
Mm_Pax5
Hs_PAX8
Mm_Pax8
Bf_Pax2/5/8
Hs_PAX3
Mm_Pax3
Hs_PAX7
Mm_Pax7
Cg_EKC41820
Sk_LOC100371646
Dm_Gsb
Dm_Gsbn
Dm_Prd
Hs_PAX4
Mm_Pax4
Hs_PAX6
Mm_Pax6
Bf_Pax6
Sk_Pax6
Dr_Pax10
Dm_Toy
Od_Pax6
Dm_Ey
Dpse_Ey
Cg_EKC31583
Dm_Eyg
Md_Eyg
Dm_Toe
Am_Eyg
Cbir_X777_10953
Nvit_Eyg
Apis_LOC100165522
Sk_Eygone
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Ce_EYG-1
Crem_EYG-1
linker
R E D subdomain

421
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Ce_NPAX-4
Acey_NPAX-4
Ce_NPAX-1
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Md_Poxn
Cc_Poxn
Sk_Poxn
Ac_Poxn
Cg_EKC37735
Hs_PAX1
Mm_Pax1
Hs_PAX9
Mm_Pax9
Eb_Pax1/9
Sk_Pax1
Cg_EKC39574
Dm_Poxm
Dm_Sv
Sk_Pax2
Cg_EKC36239
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Mm_Pax2
Hs_PAX5
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Bf_Pax2/5/8
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Mm_Pax3
Hs_PAX7
Mm_Pax7
Cg_EKC41820
Sk_LOC100371646
Dm_Gsb
Dm_Gsbn
Dm_Prd
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Mm_Pax4
Hs_PAX6
Mm_Pax6
Bf_Pax6
Sk_Pax6
Dr_Pax10
Dm_Toy
Od_Pax6
Dm_Ey
Dpse_Ey
Cg_EKC31583
Dm_Eyg
Md_Eyg
Dm_Toe
Am_Eyg
Cbir_X777_10953
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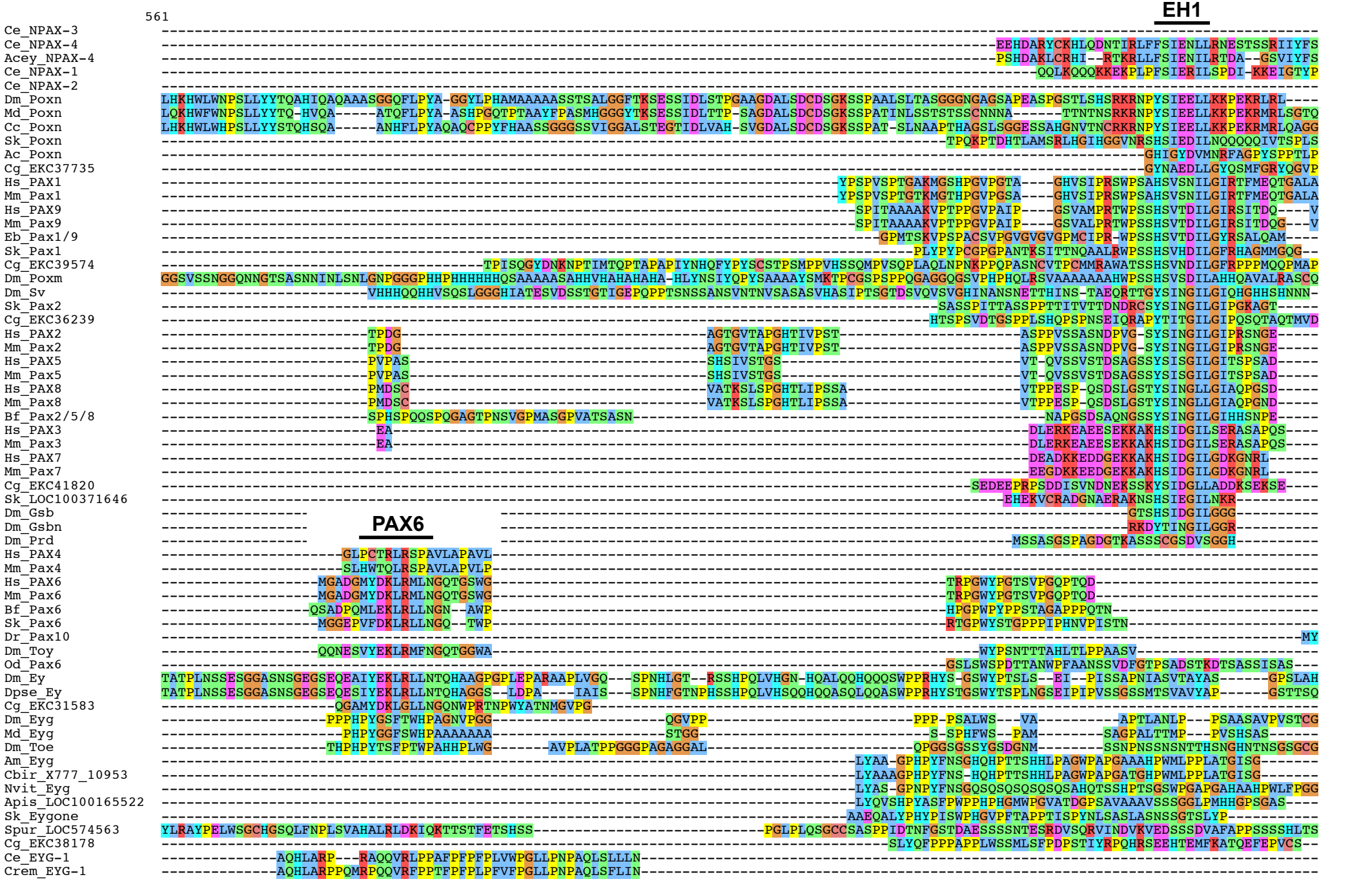
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Sk_Poxn
Ac_Poxn
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Mm_Pax1
Hs_PAX9
Mm_Pax9
Eb_Pax1/9
Sk_Pax1
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Dm_Poxm
Dm_Sv
Sk_Pax2
Cg_EKC36239
Hs_PAX2
Mm_Pax2
Hs_PAX5
Mm_Pax5
Hs_PAX8
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Dm_Gsbn
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Bf_Pax6
Sk_Pax6
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Dm_Toy
Od_Pax6
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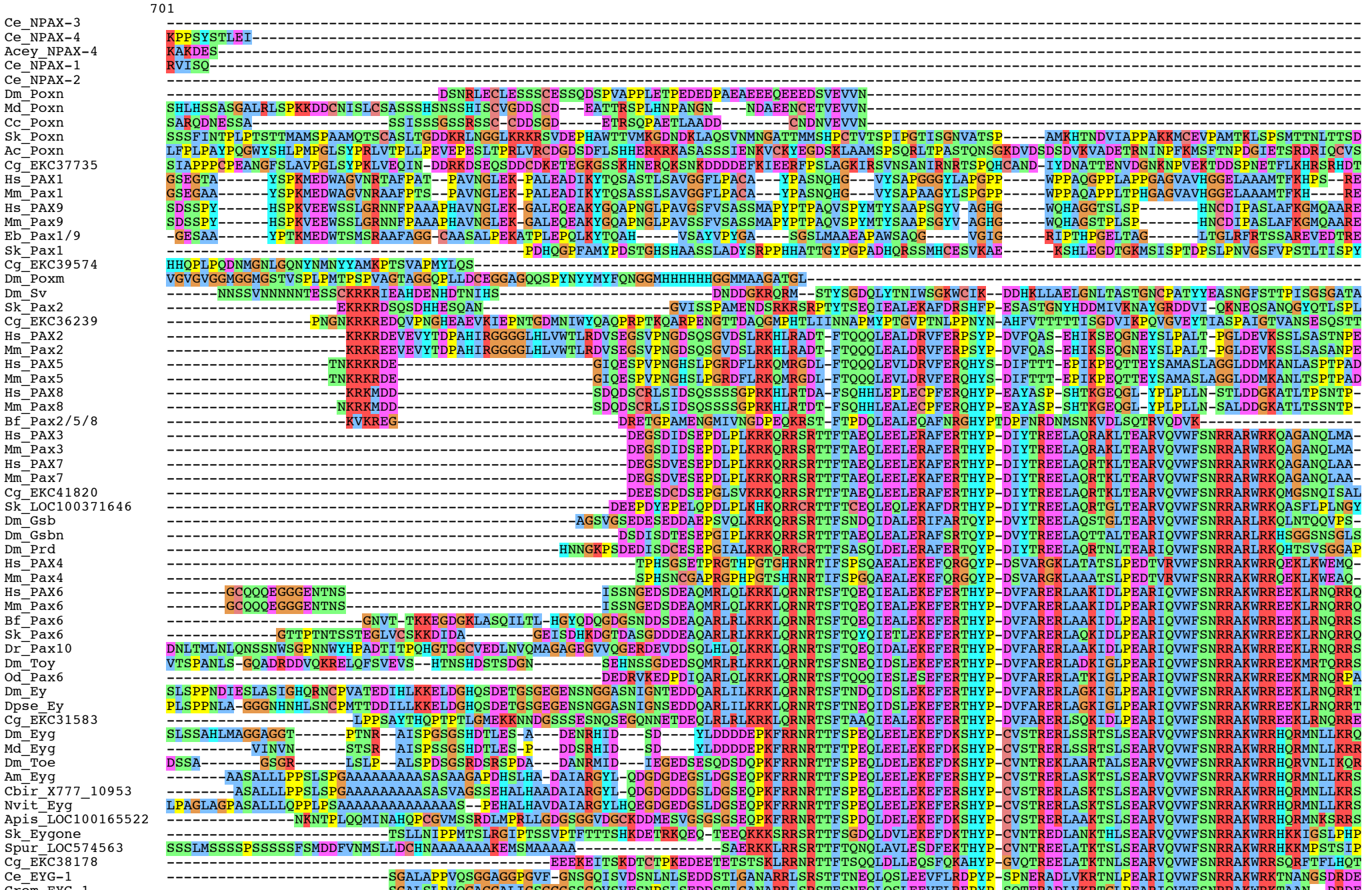
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Bf_Pax2/5/8
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Od_Pax6
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Md_Eyg
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Cbir_X777_10953
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Apis_LOC100165522
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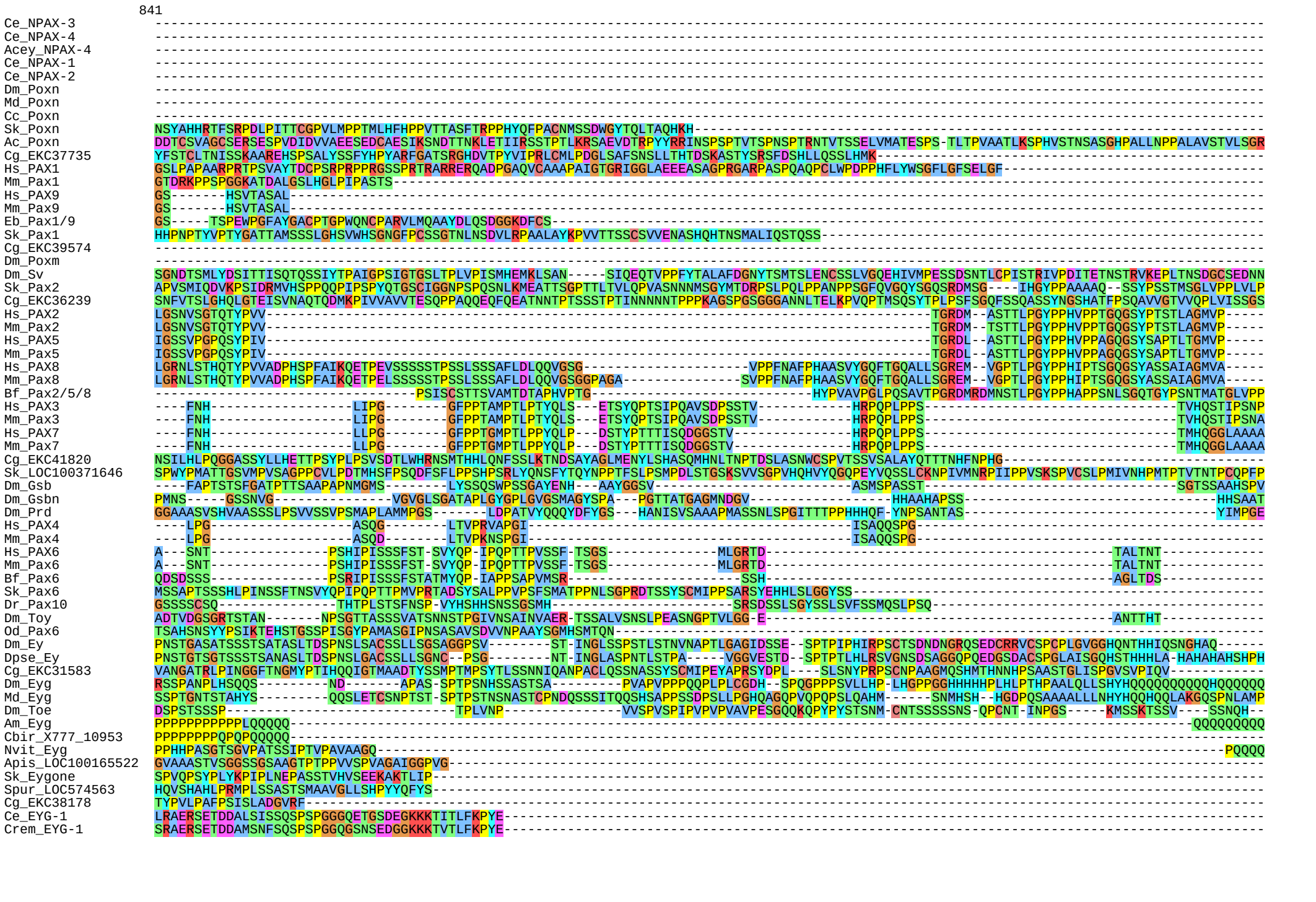
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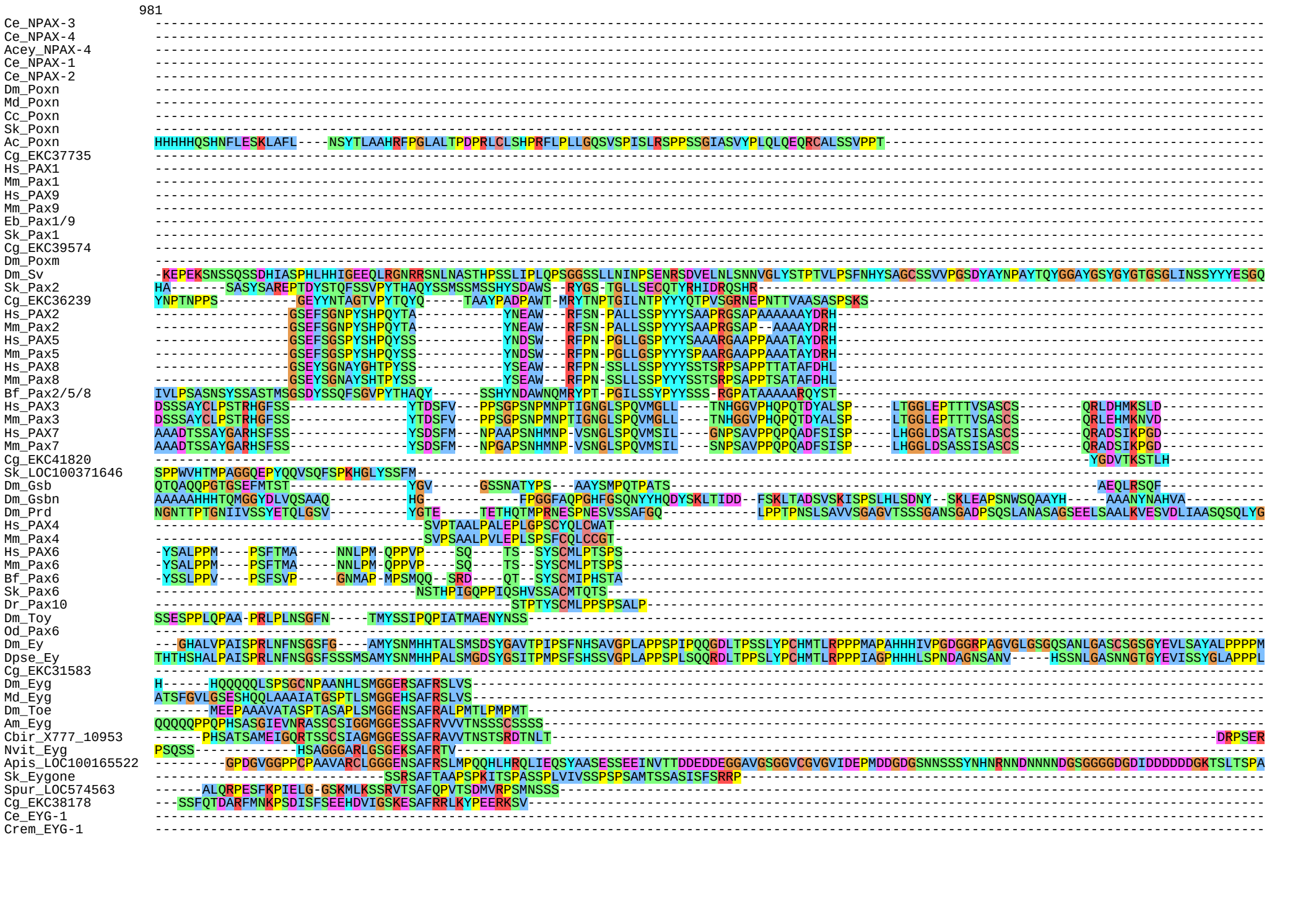
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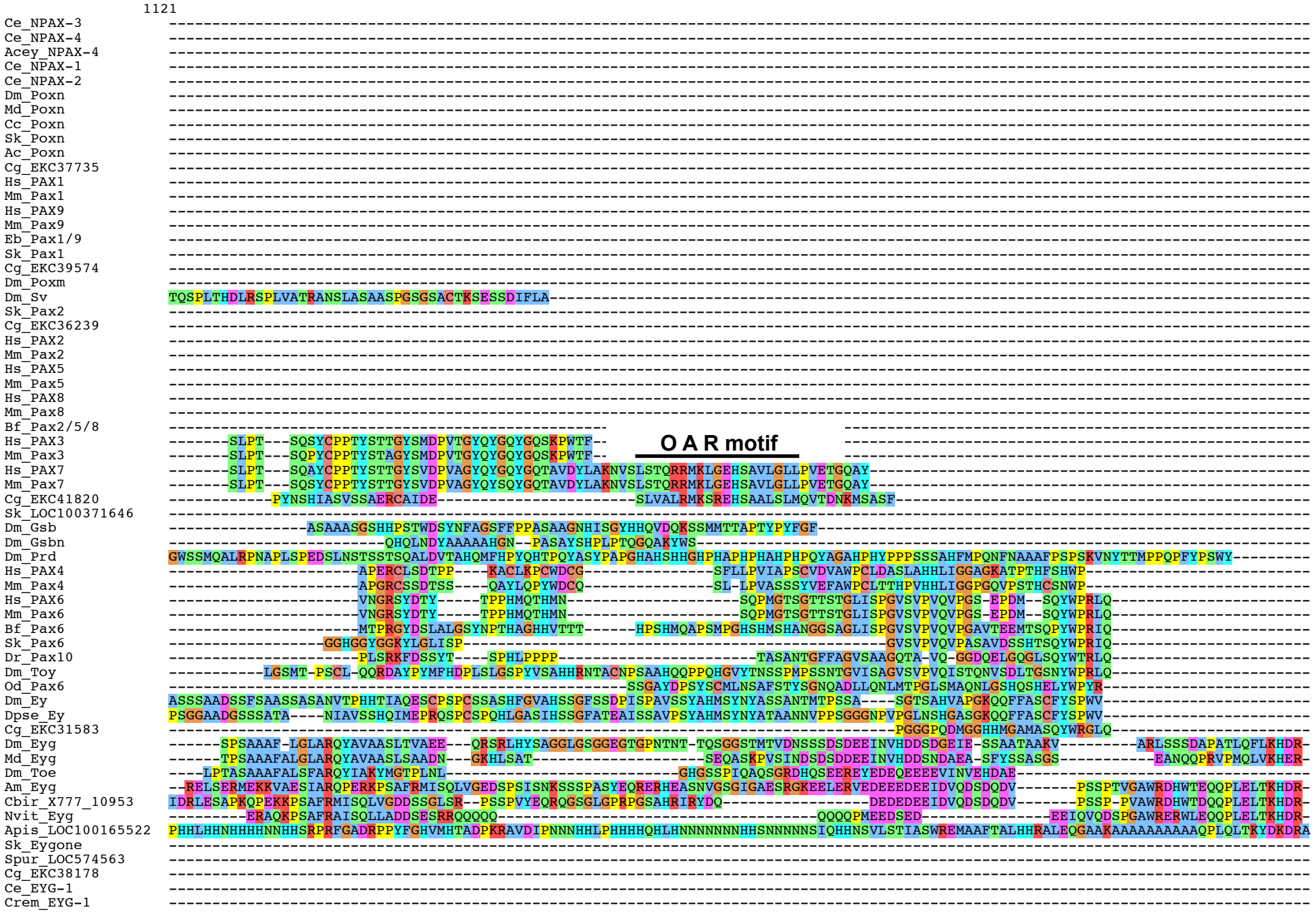

Homeodomain proteins: an update. Chromosoma, Bürglin, TR, and Affolter, M. Dept. of Biomedicine, University of Basel. email: thomas.buerglin@unibas.ch