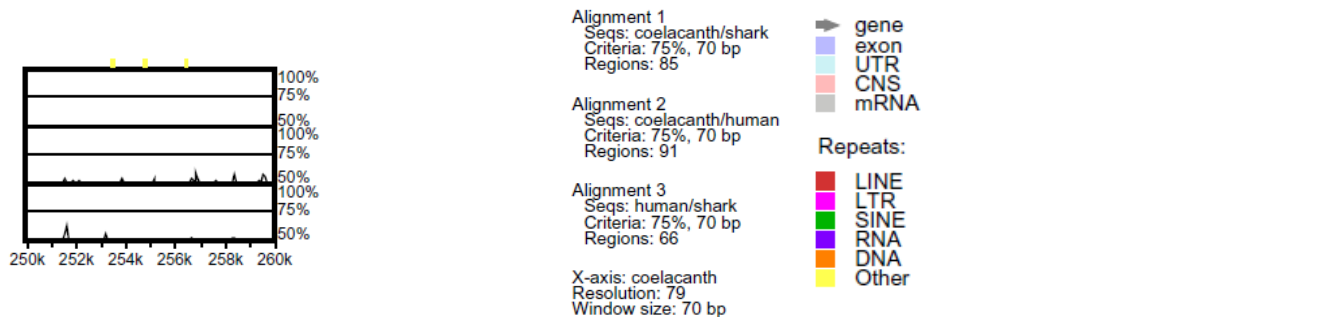# HOX-A multiple alignment – VISTA plot

HOX-B multiple alignment – VISTA plot

X-axis: coelacanth
Resolution: 79
Window size: 70 bp

Alignment 1
Seqs: coelacanth/shark
Criteria: 75%, 70 bp
Regions: 79

Alignment 2
Seqs: coelacanth/human
Criteria: 75%, 70 bp
Regions: 67

Alignment 3
Seqs: human/shark
Criteria: 75%, 70 bp
Regions: 38

gene
exon
UTR
CNS
mRNA

Repeats:
LINE
LTR
SINE
RNA
DNA
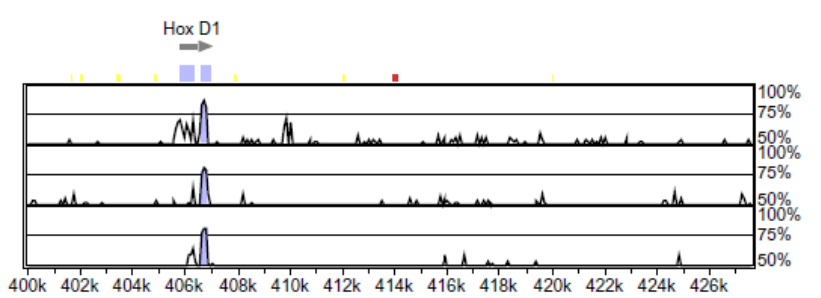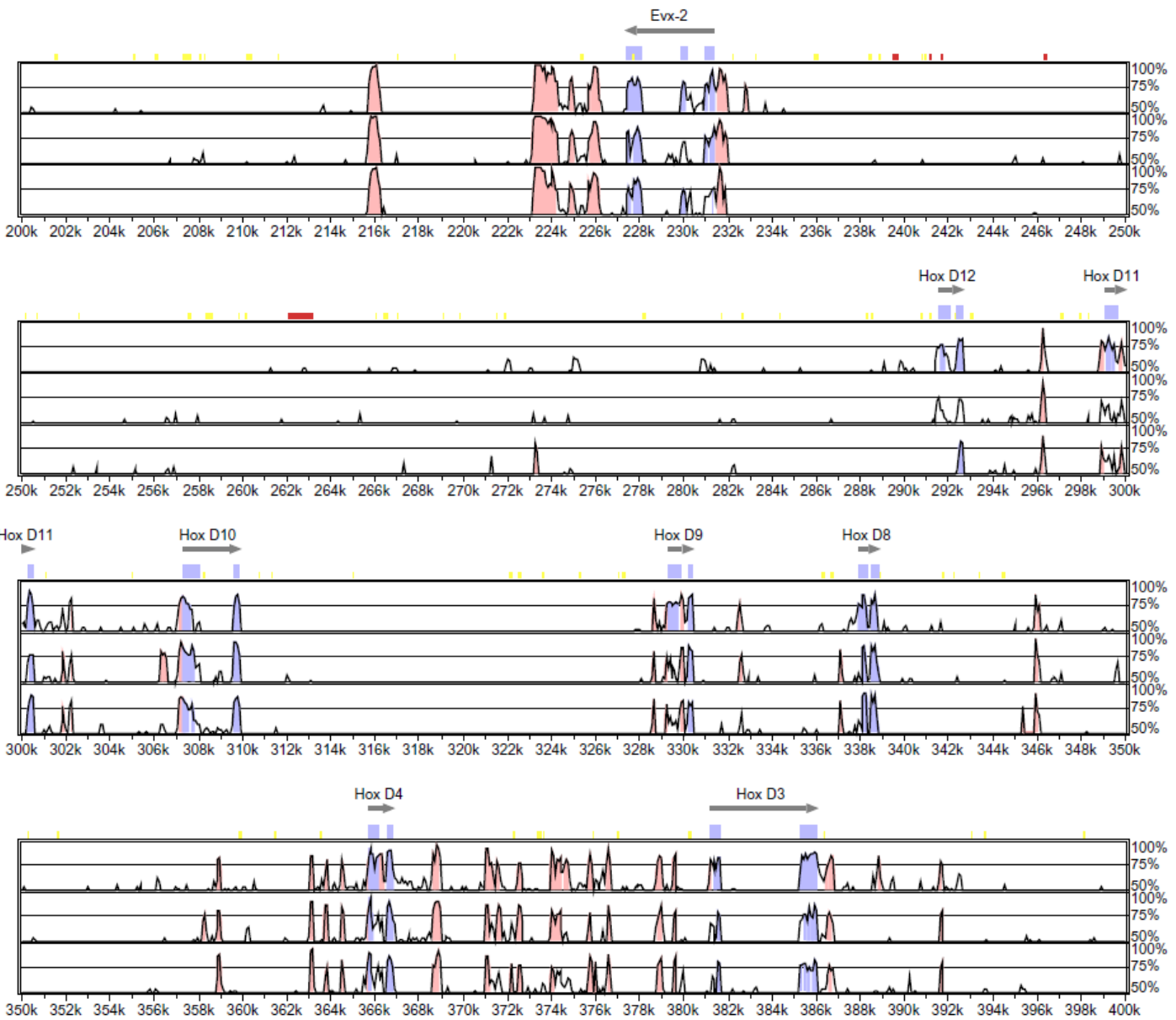Other
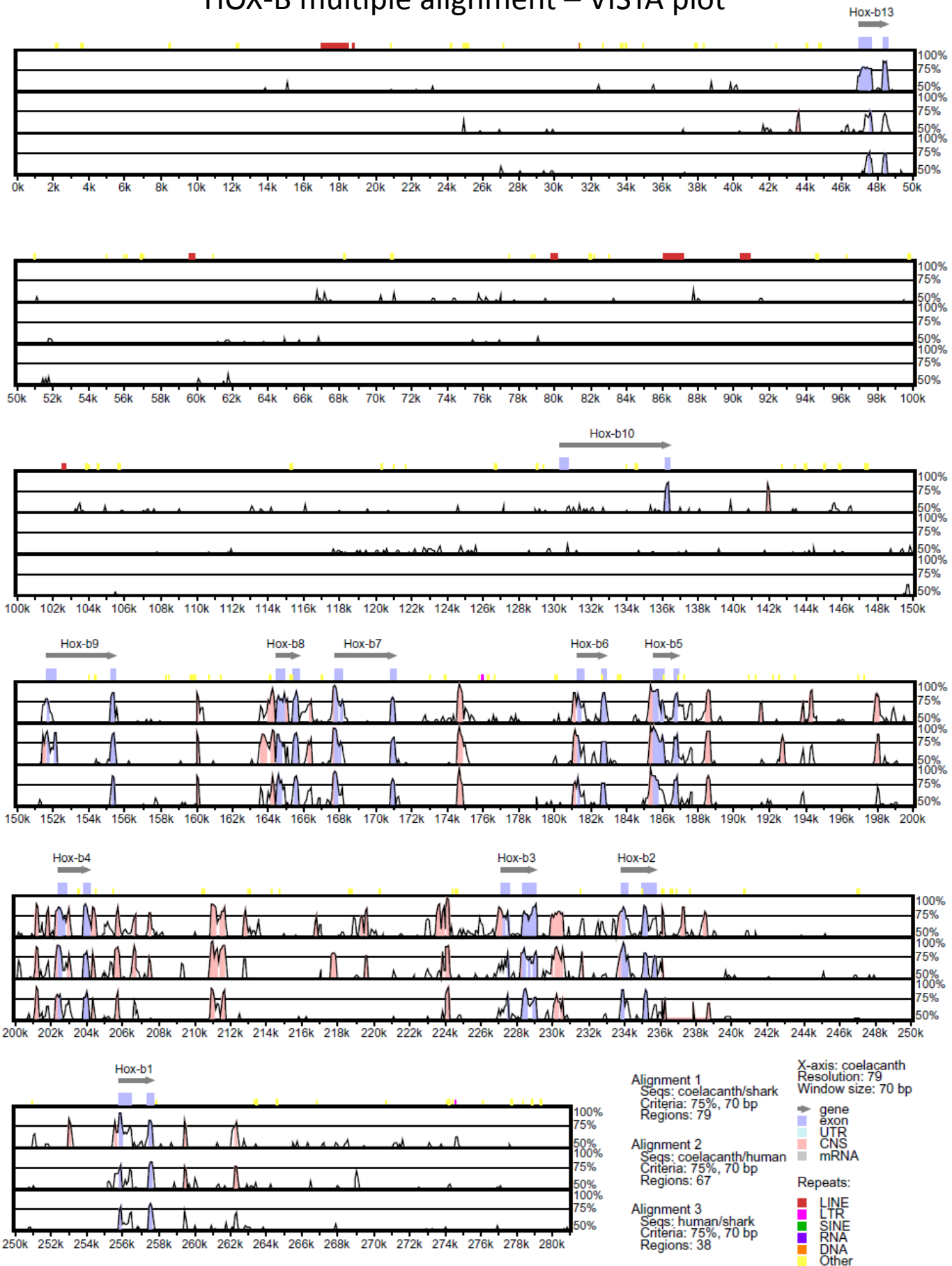
HOX-C multiple alignment – VISTA plot
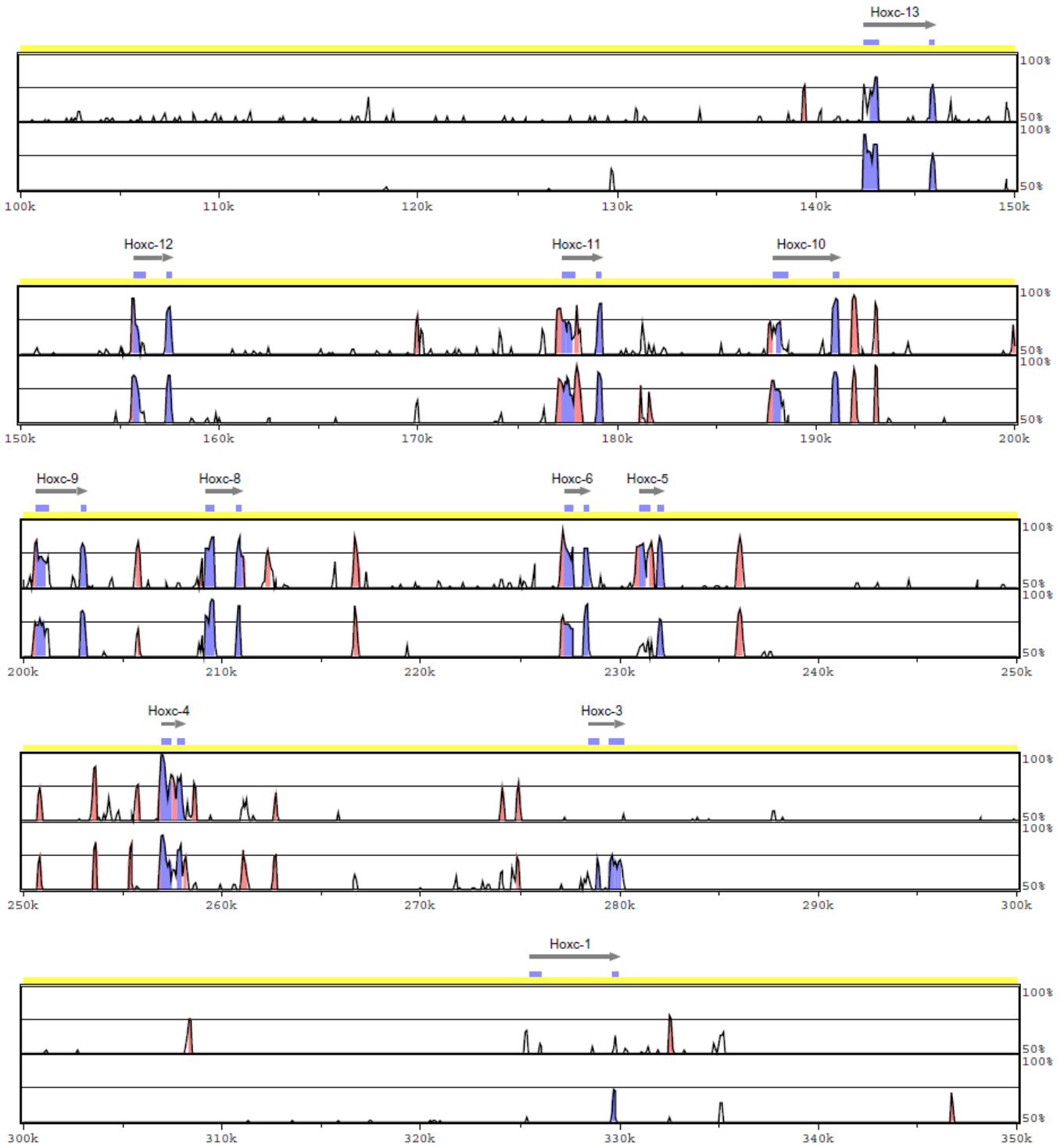
Alignment 1
Human
Human_HoxC_cluster (+)
1-264038
Criteria: 70%, 100 bp
Regions: 51

Alignment 2
Eshark
Eshark HoxC cluster (+)
1-274370
Criteria: 70%, 100 bp
Regions: 48

X-axis: Latimeria
Resolution: 79
Window size: 100 bp

gene
exon
UTR
CNS
mRNA

Repeats:

LINE
LTR
SINE
RNA
DNA
Other

HOX-D multiple alignment – VISTA plot

Evx-2

200k 202k 204k 206k 208k 210k 212k 214k 216k 218k 220k 222k 224k 226k 228k 230k 232k 234k 236k 238k 240k 242k 244k 246k 248k 250k

Hox D12   Hox D11

250k 252k 254k 256k 258k 260k 262k 264k 266k 268k 270k 272k 274k 276k 278k 280k 282k 284k 286k 288k 290k 292k 294k 296k 298k 300k

Hox D11   Hox D10   Hox D9   Hox D8

300k 302k 304k 306k 308k 310k 312k 314k 316k 318k 320k 322k 324k 326k 328k 330k 332k 334k 336k 338k 340k 342k 344k 346k 348k 350k

Hox D4   Hox D3

350k 352k 354k 356k 358k 360k 362k 364k 366k 368k 370k 372k 374k 376k 378k 380k 382k 384k 386k 388k 390k 392k 394k 396k 398k 400k

Hox D1

400k 402k 404k 406k 408k 410k 412k 414k 416k 418k 420k 422k 424k 426k

Alignment 1
Seqs: coelacanth/shark
Criteria: 75%, 70 bp
Regions: 68

Alignment 2
Seqs: coelacanth/human
Criteria: 75%, 70 bp
Regions: 69

Alignment 3
Seqs: human/shark
Criteria: 75%, 70 bp
Regions: 60

X-axis: coelacanth
Resolution: 79
Window size: 70 bp

→ gene
  exon
  UTR
  CNS
  mRNA

Repeats:
  LINE
  LTR
  SINE
  RNA
  DNA
  Other