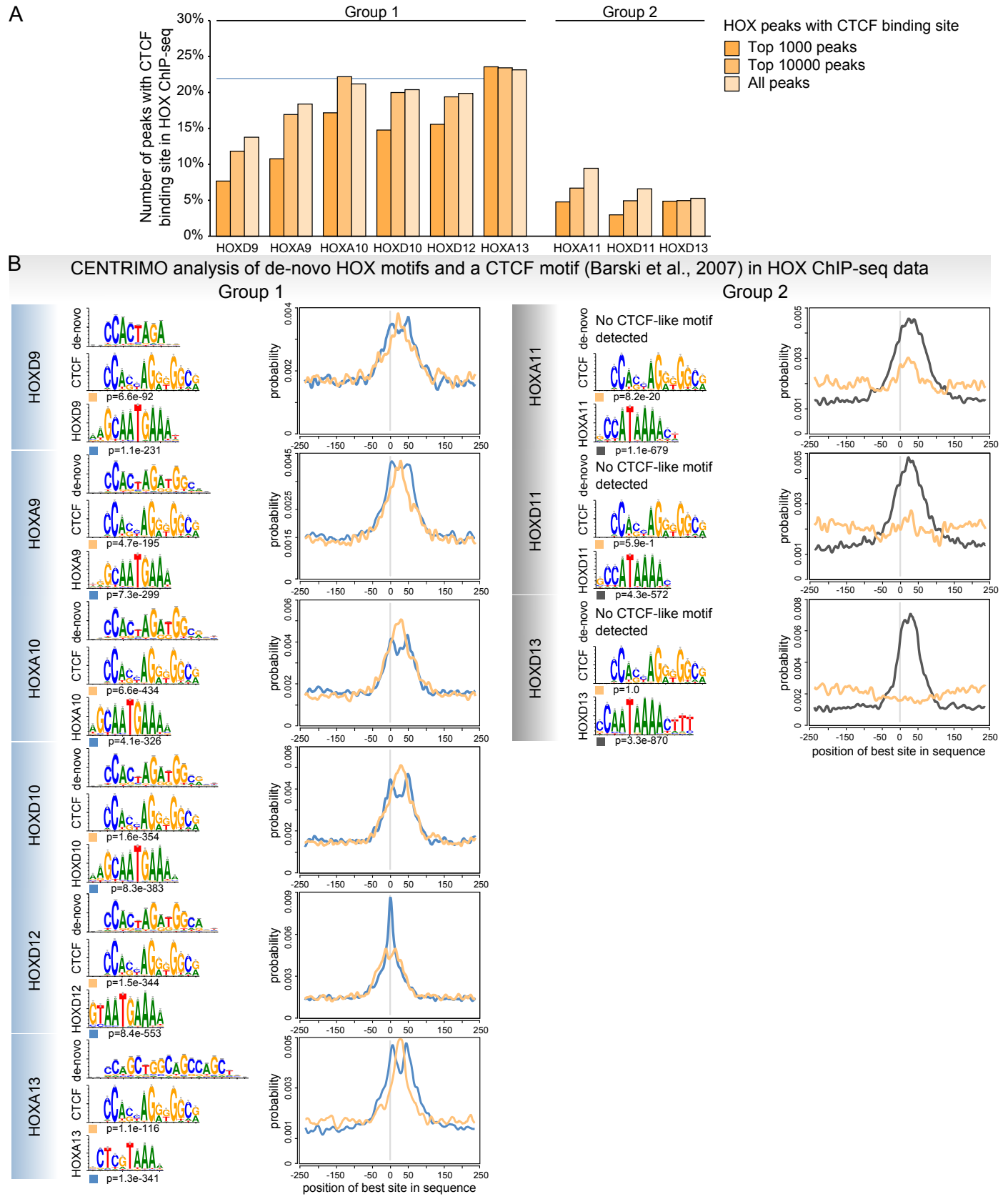
A
Group 1
Group 2
HOX peaks with CTCF binding site
Top 1000 peaks
Top 10000 peaks
All peaks
Number of peaks with CTCF binding site in HOX ChIP-seq
30%
25%
20%
15%
10%
5%
0%
HOXD9
HOXA9
HOXA10
HOXD10
HOXD12
HOXA13
HOXA11
HOXD11
HOXD13
B
CENTRIMO analysis of de-novo HOX motifs and a CTCF motif (Barski et al., 2007) in HOX ChIP-seq data
Group 1
Group 2
de-novo
CTCF
p=6.6e-92
p=1.1e-231
p=4.7e-195
p=7.3e-299
p=6.6e-434
p=4.1e-326
p=1.6e-354
p=8.3e-383
p=1.5e-344
p=8.4e-553
p=1.1e-116
p=1.3e-341
No CTCF-like motif detected
p=8.2e-20
p=1.1e-679
p=5.9e-1
p=4.3e-572
p=1.0
p=3.3e-870
probability
position of best site in sequence