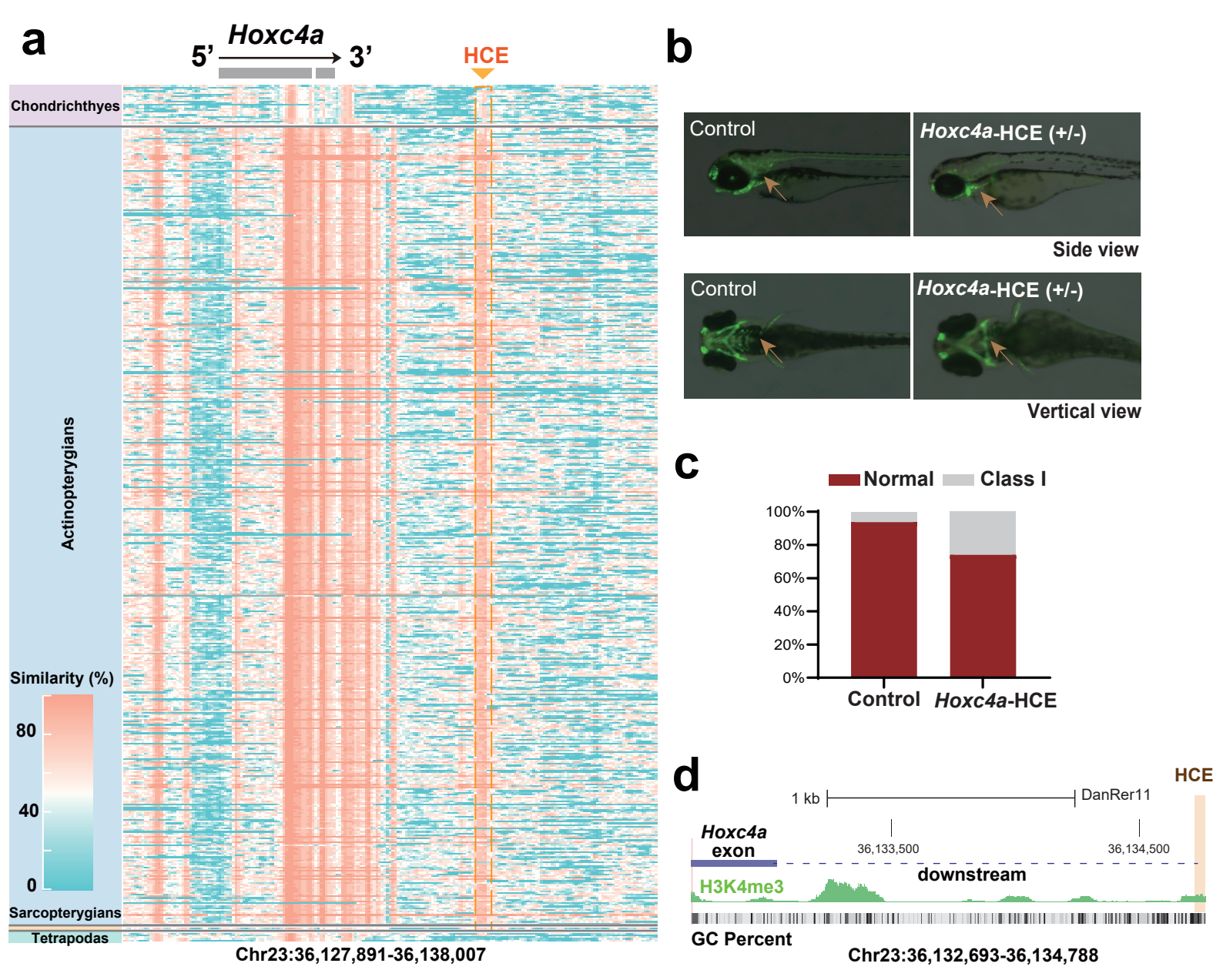
a
Hoxc4a
5'
3'
HCE
Chondrichthyes
Actinopterygians
Similarity (%)
80
40
0
Sarcopterygians
Tetrapodas
Chr23:36,127,891-36,138,007
b
Control
Hoxc4a-HCE (+/-)
Side view
Control
Hoxc4a-HCE (+/-)
Vertical view
c
Normal
Class I
100%
80%
60%
40%
20%
0%
Control
Hoxc4a-HCE
d
HCE
1 kb
DanRer11
Hoxc4a
exon
36,133,500
36,134,500
downstream
H3K4me3
GC Percent
Chr23:36,132,693-36,134,788