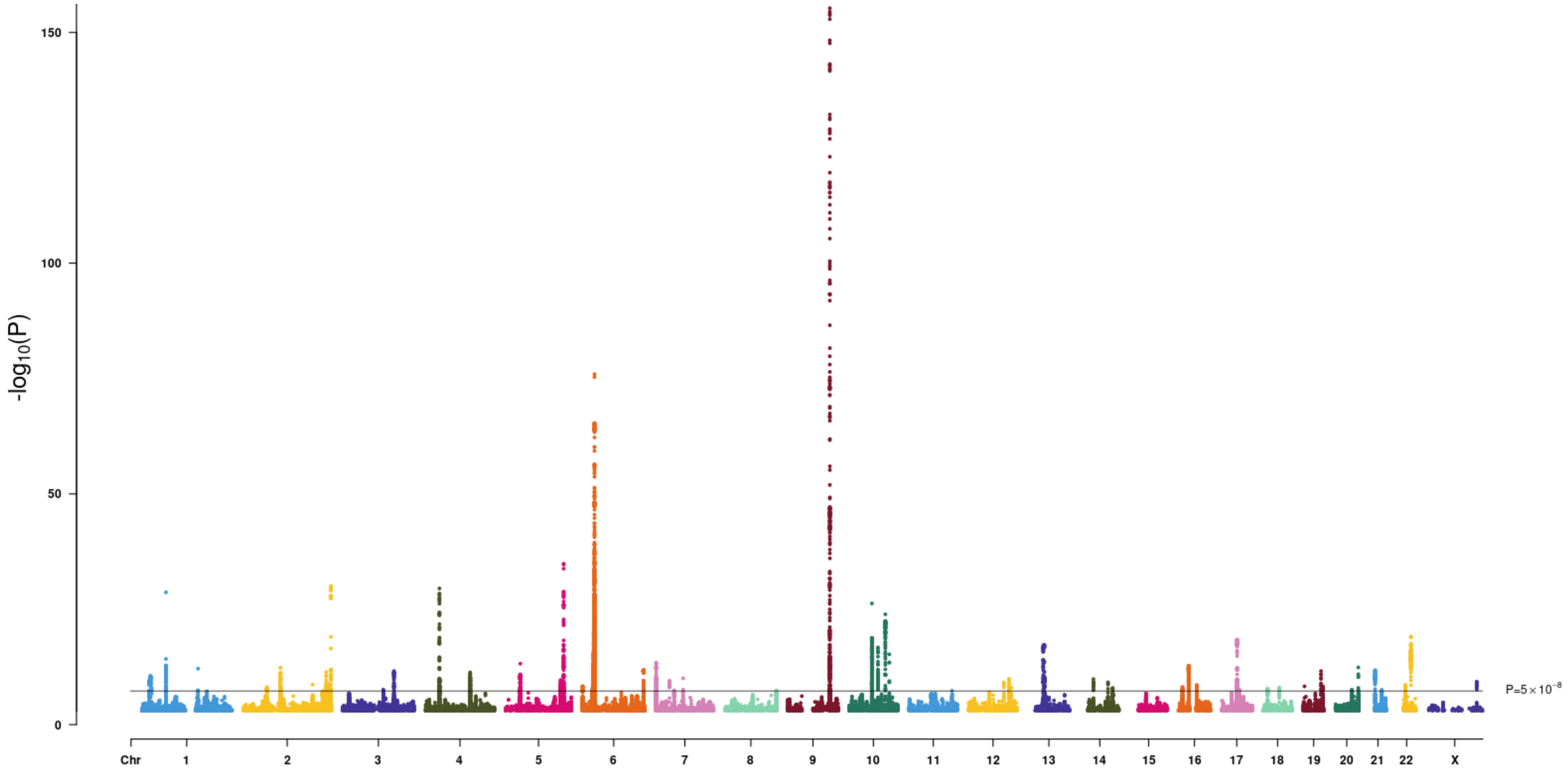
Supplementary Data 1. Manhattan plot for IBD genetic associations. IBD genetic association analyses were performed on East Asian samples (EAS) through the fixed-effect meta-analysis (two-tailed, FE) or East Asian and European samples (EAS+EUR) through FE or Bayesian transethnic meta-analysis (MANTRA). P: original P-value from FE. BF: Bayes Factor from MANTRA. Horizontal line: the genome-wide significance threshold ($P < 5\times10^{-8}$) for FE or the genome-wide Bayes Factor (BF) threshold ($BF > 10^{6}$) for MANTRA.

EAS CD


150
100
50
0
-log10(P)
P=5×10−8
Chr
1
2
3
4
5
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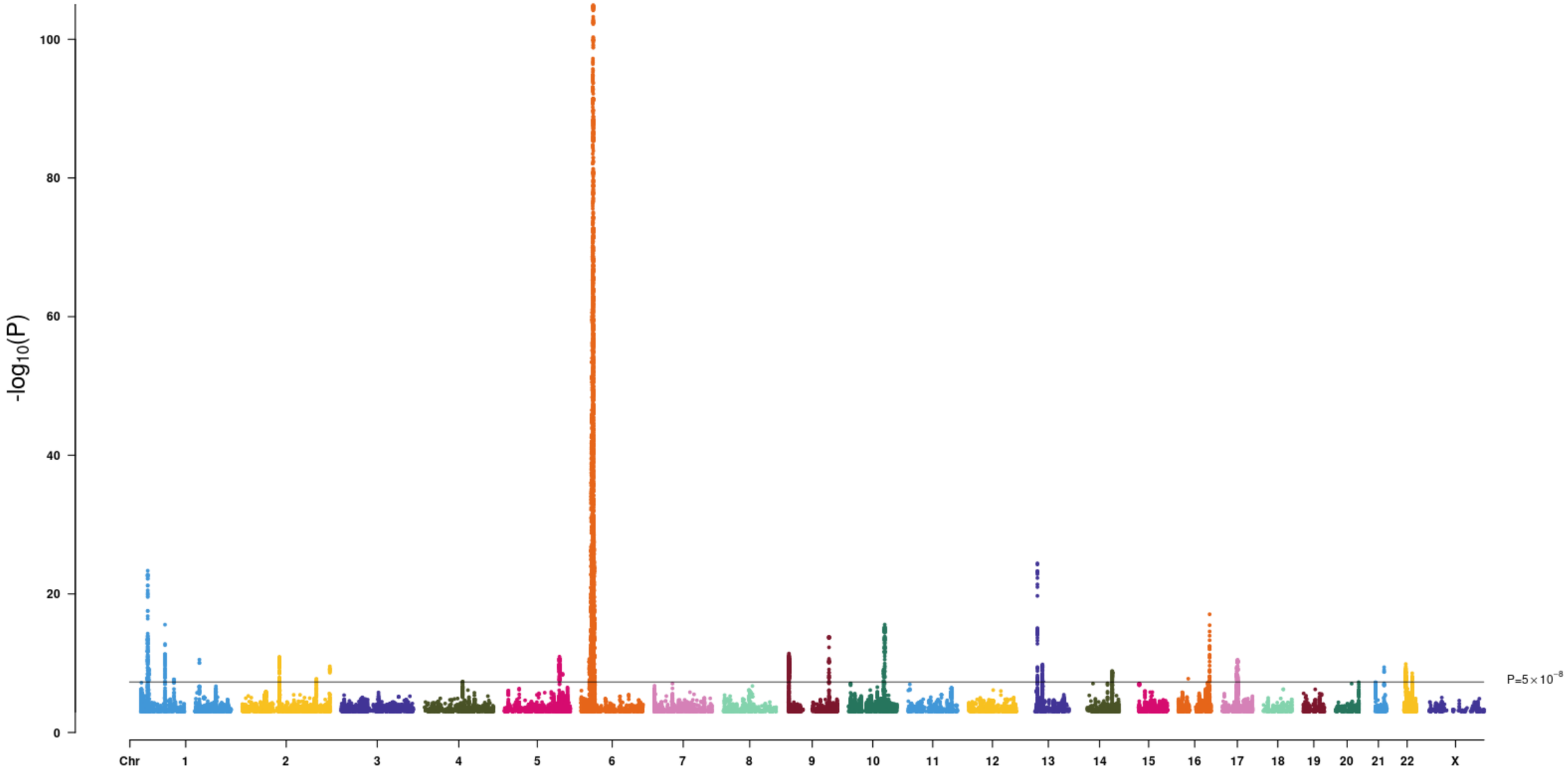
22
X

EAS UC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Chr
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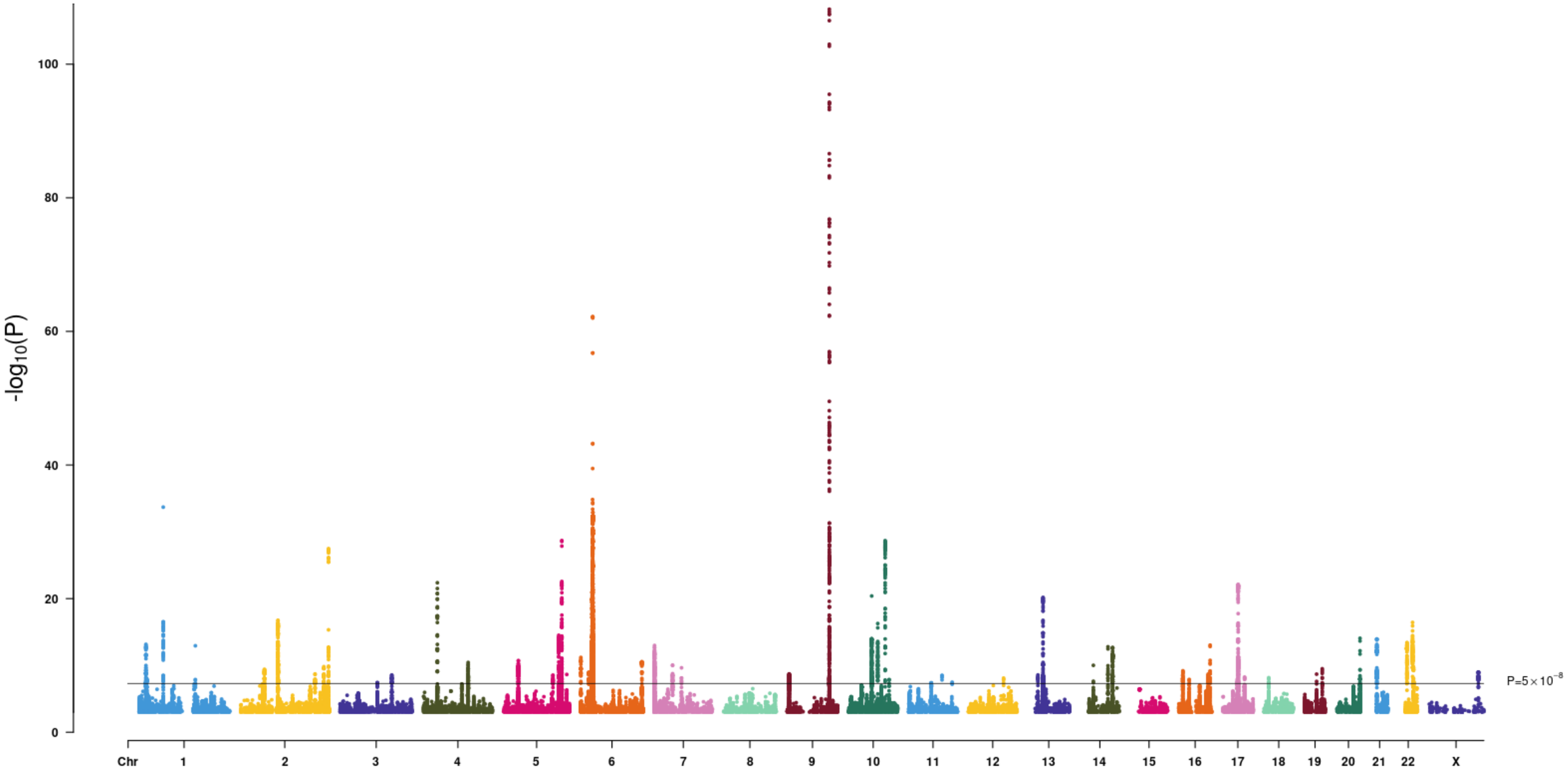
EAS IBD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P=5×10−8
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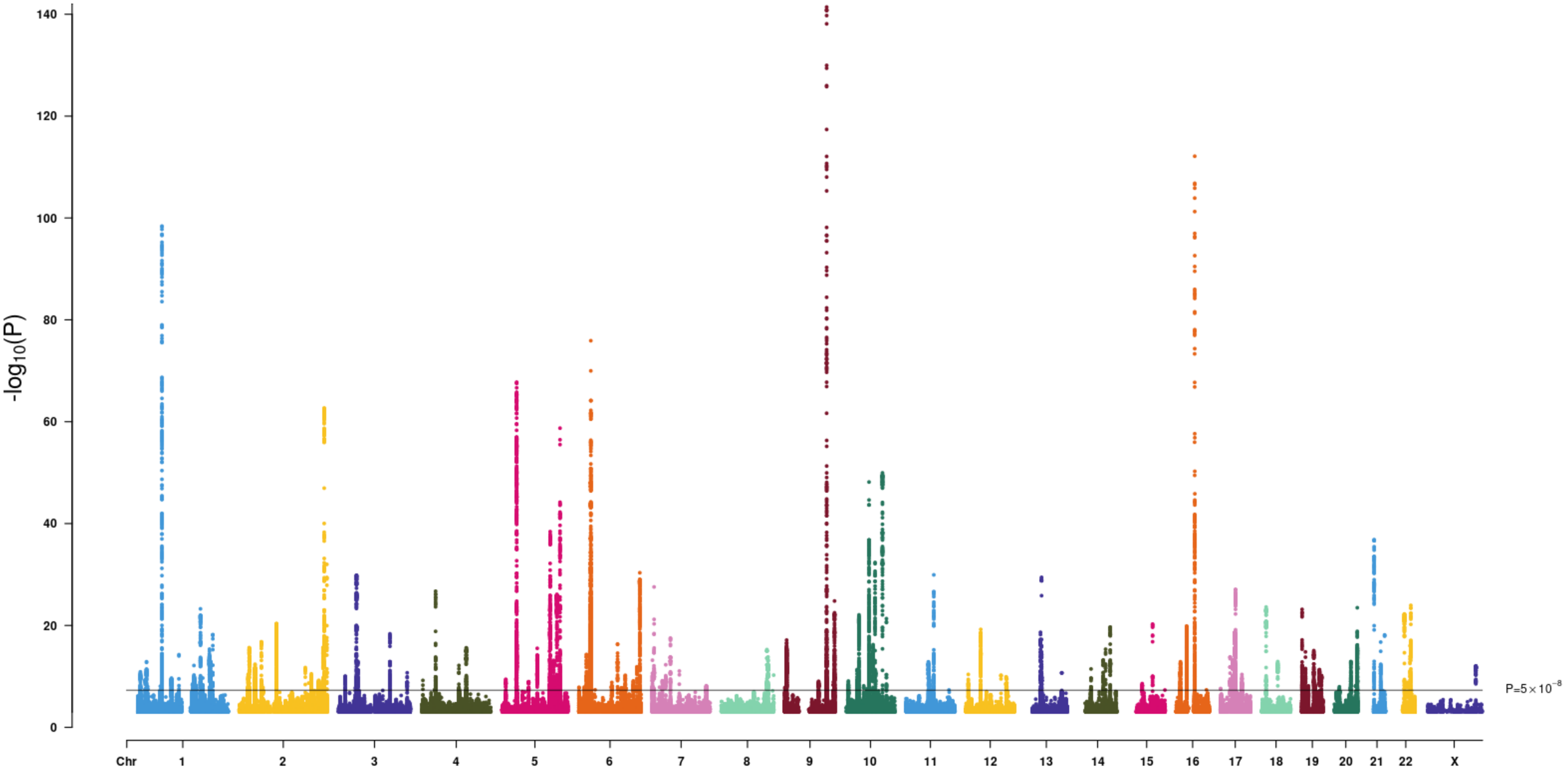
X

EAS+EUR CD FE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100
80
60
40
20
0
Chr
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8
9
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18
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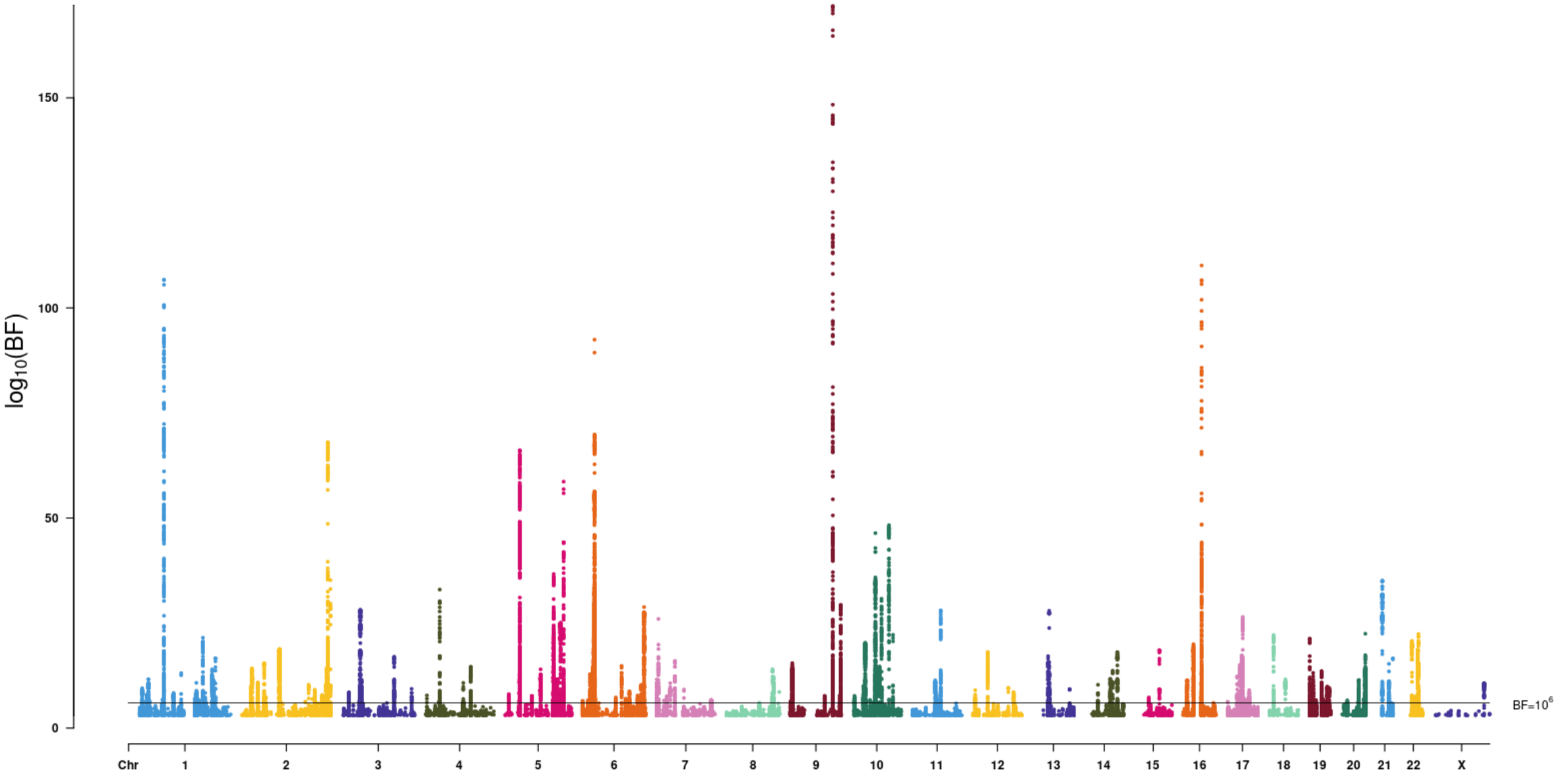
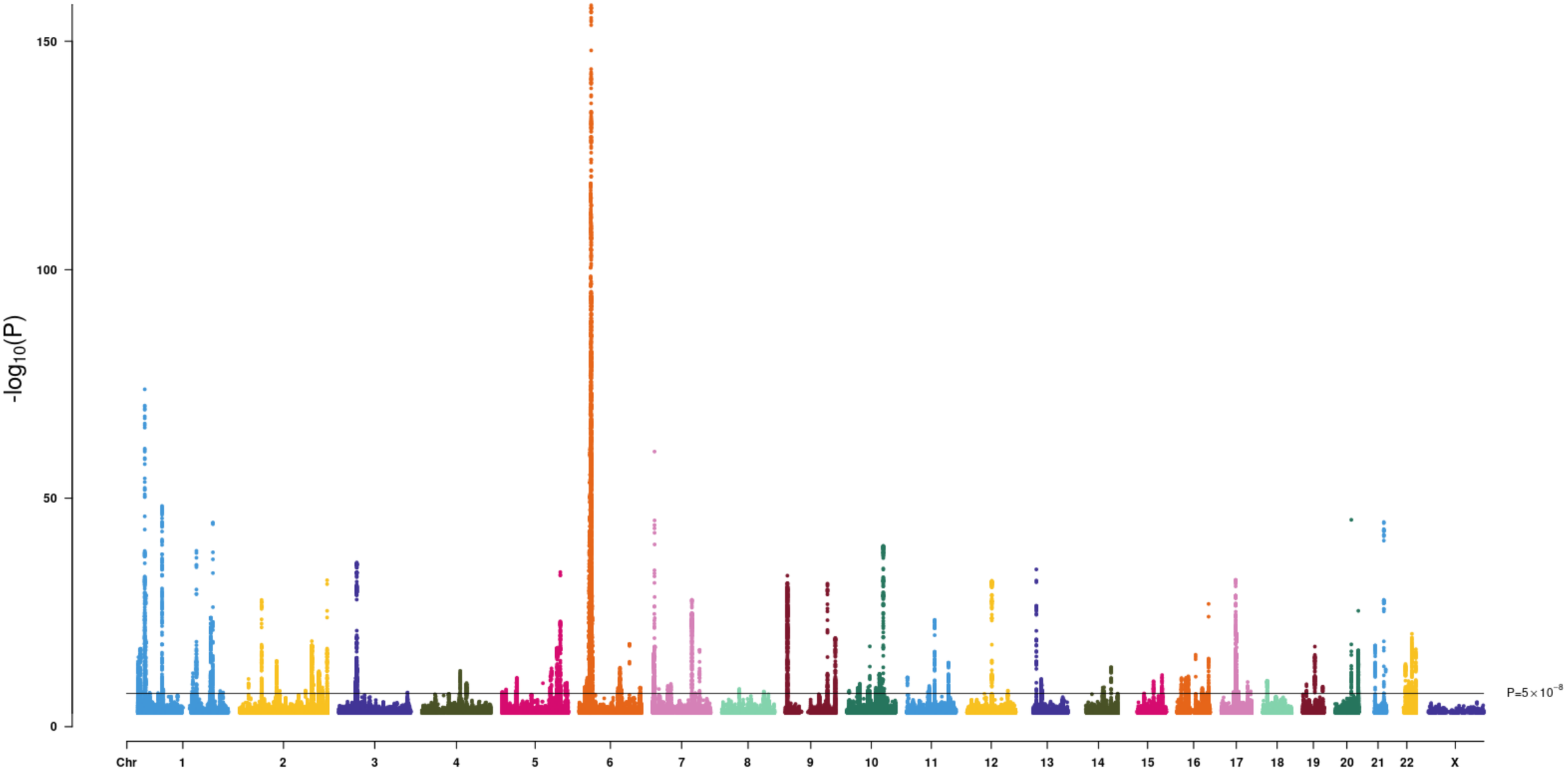
20
21
22
X
P=5×10−8

EAS+EUR CD MANTRA



EAS+EUR UC FE


150
100
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0
-log10(P)
P=5×10−8
Chr
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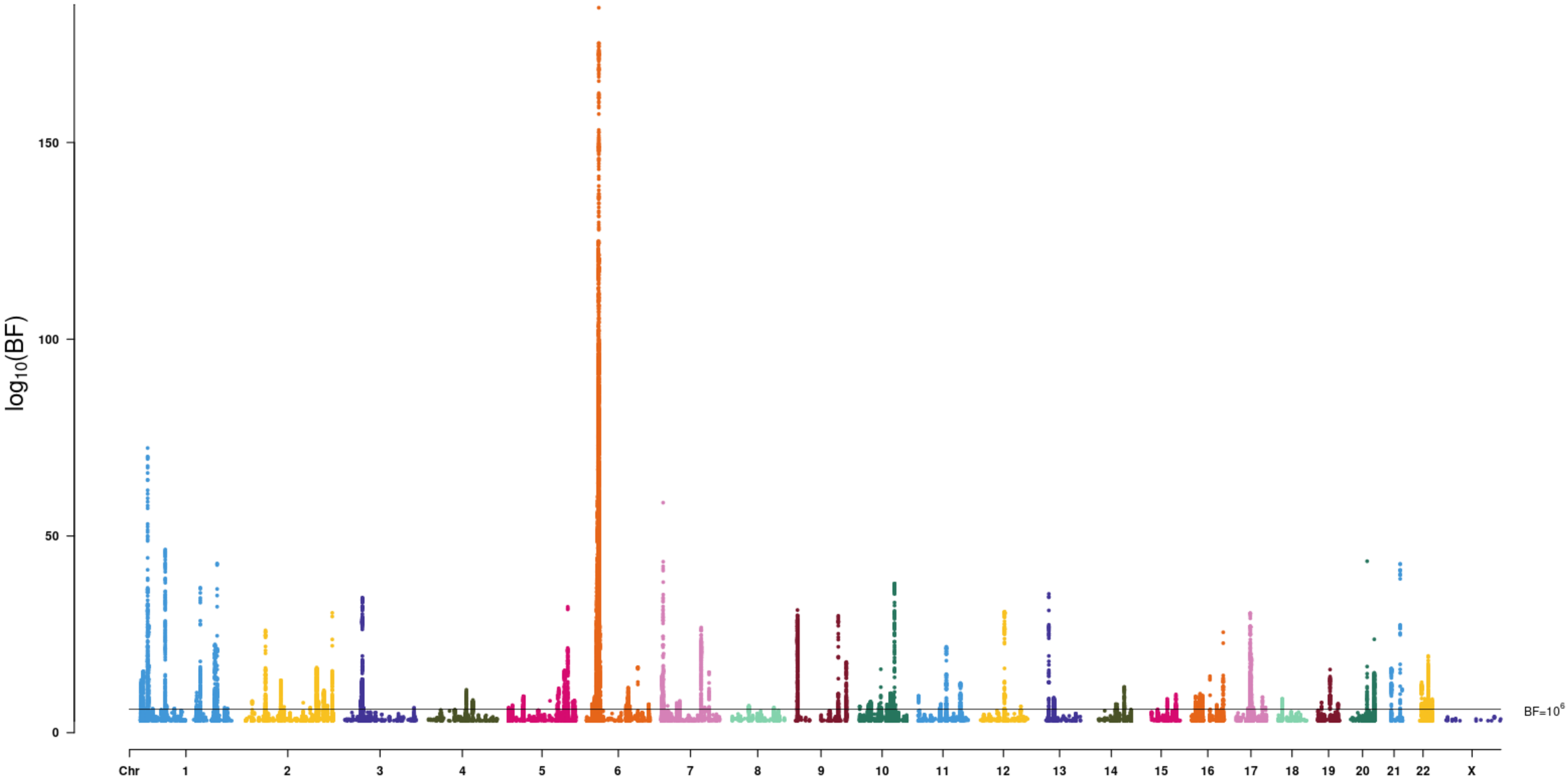
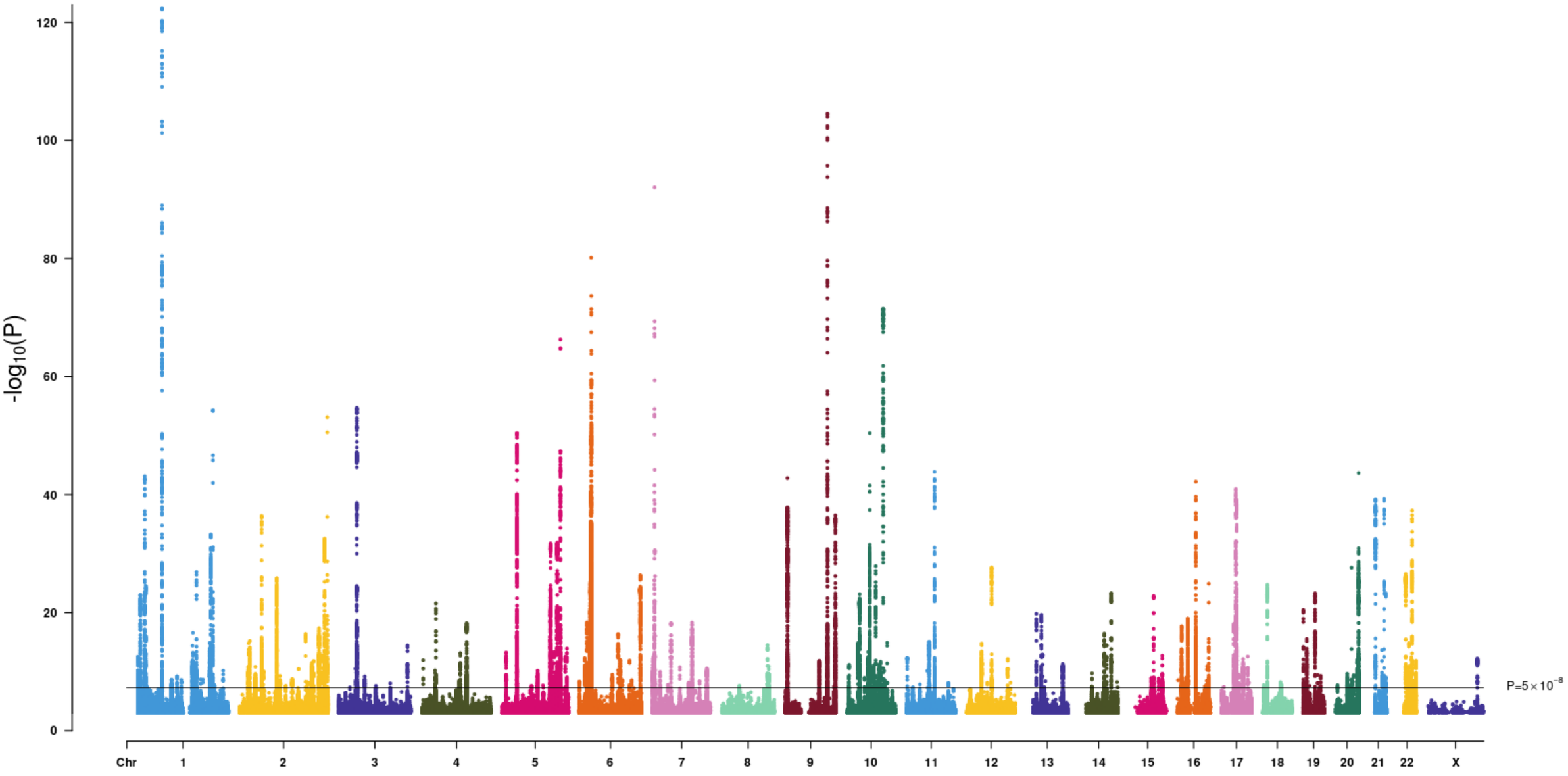
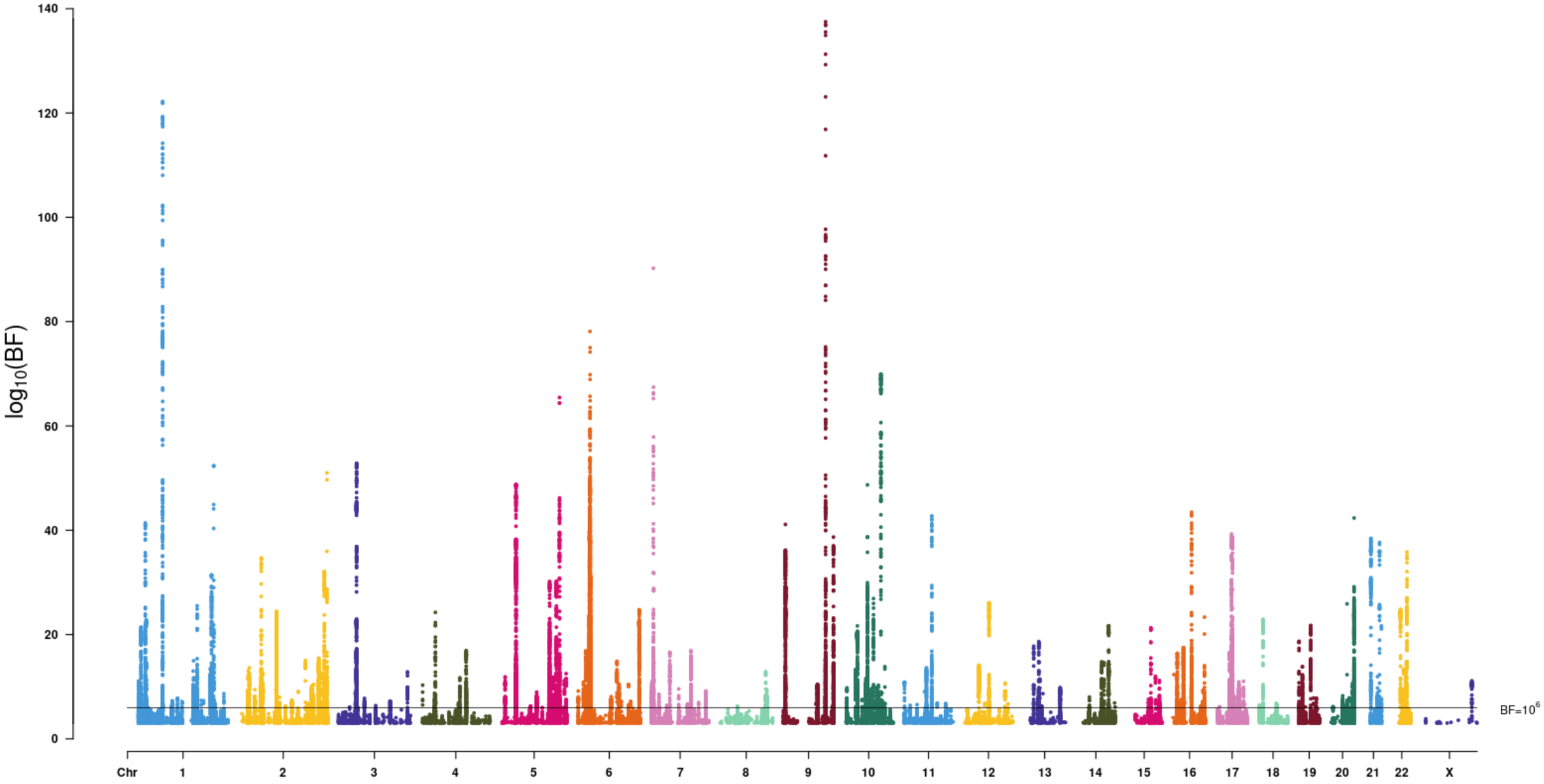
X

EAS+EUR UC MANTRA



EAS+EUR IBD FE



EAS+EUR IBD MANTRA