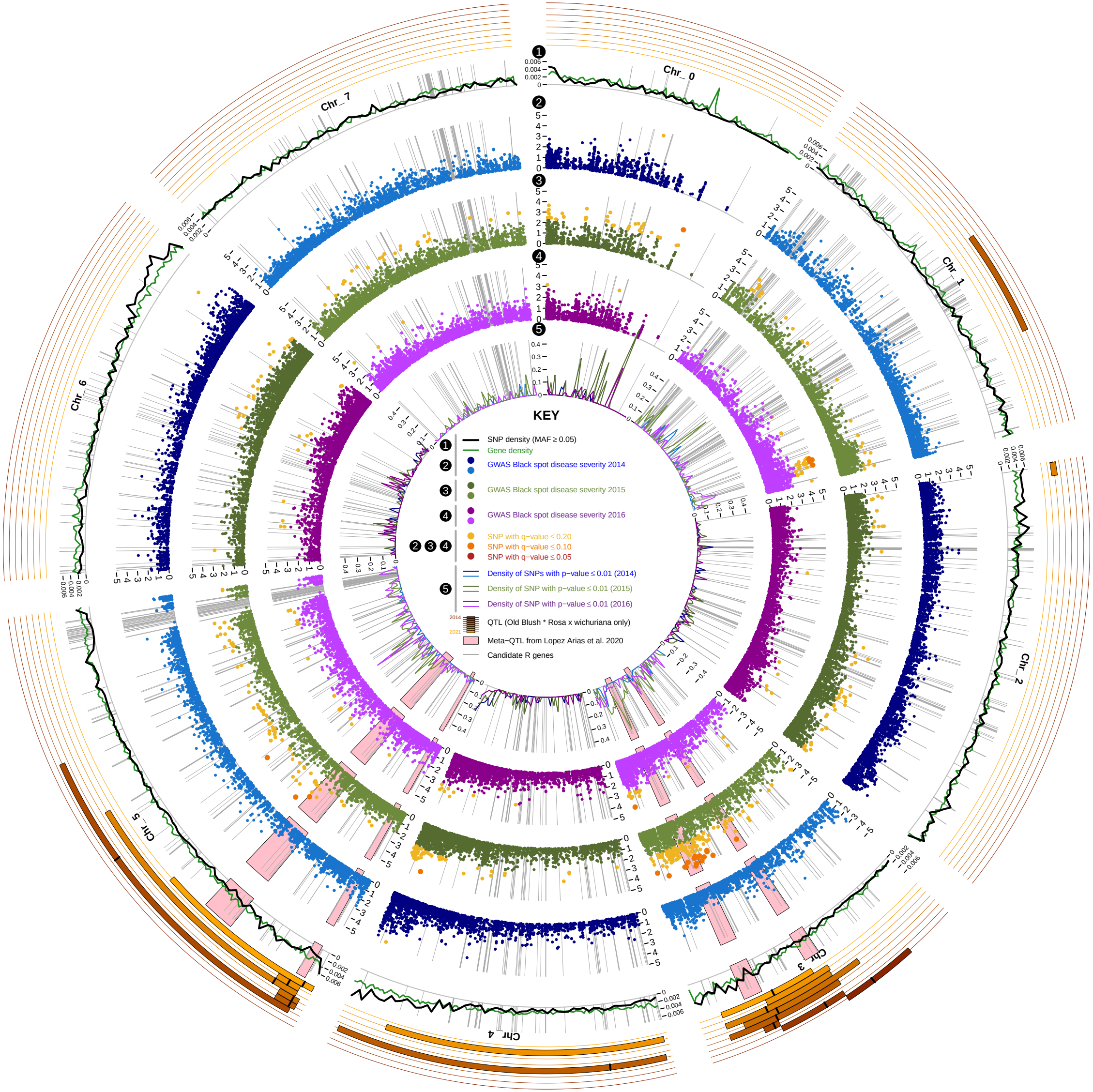
Chr_0
Chr_1
Chr_2
Chr_3
Chr_4
Chr_5
Chr_6
Chr_7
KEY
SNP density (MAF ≥ 0.05)
Gene density
GWAS Black spot disease severity 2014
GWAS Black spot disease severity 2015
GWAS Black spot disease severity 2016
SNP with q−value ≤ 0.20
SNP with q−value ≤ 0.10
SNP with q−value ≤ 0.05
Density of SNPs with p−value ≤ 0.01 (2014)
Density of SNP with p−value ≤ 0.01 (2015)
Density of SNP with p−value ≤ 0.01 (2016)
QTL (Old Blush * Rosa x wichuriana only)
Meta−QTL from Lopez Arias et al. 2020
Candidate R genes