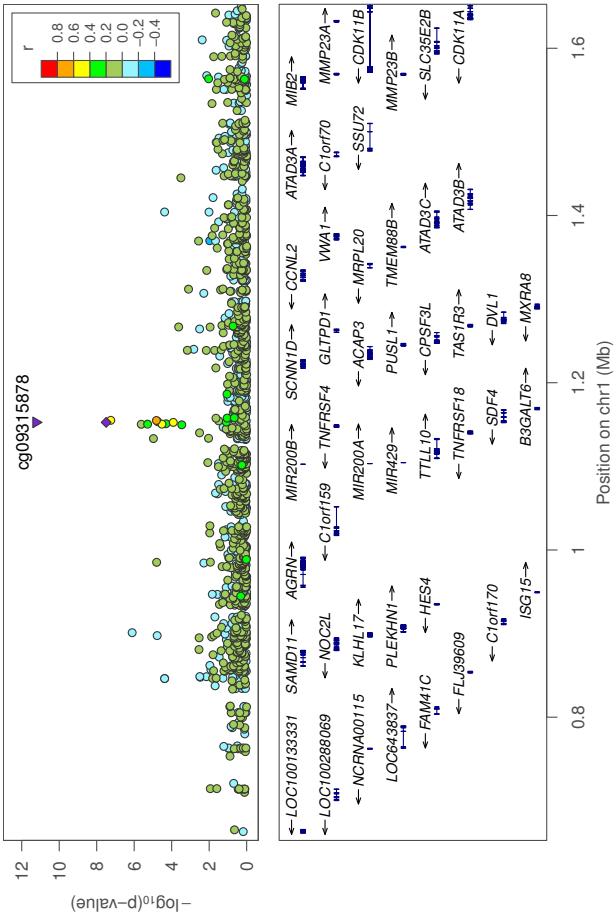
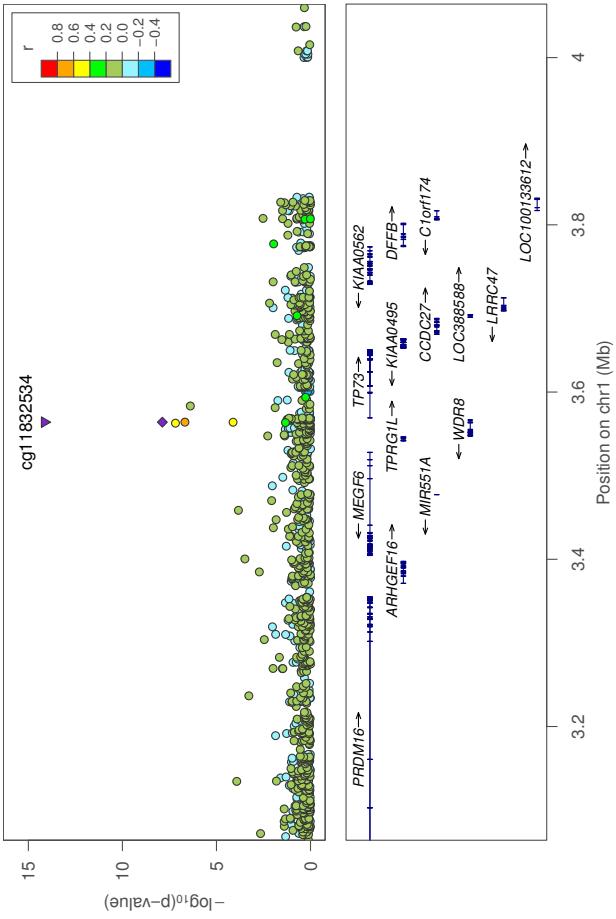


Supplementary Information Figure 1

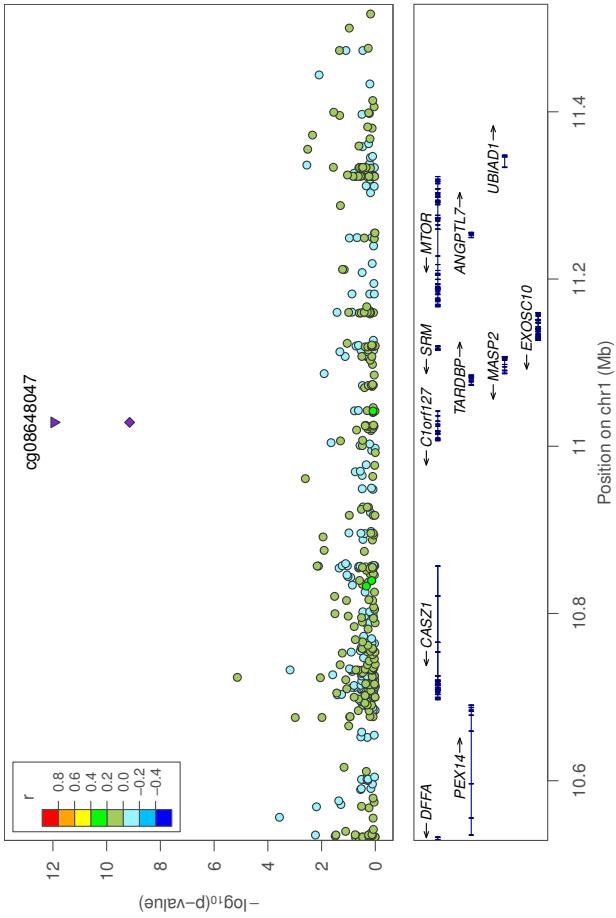
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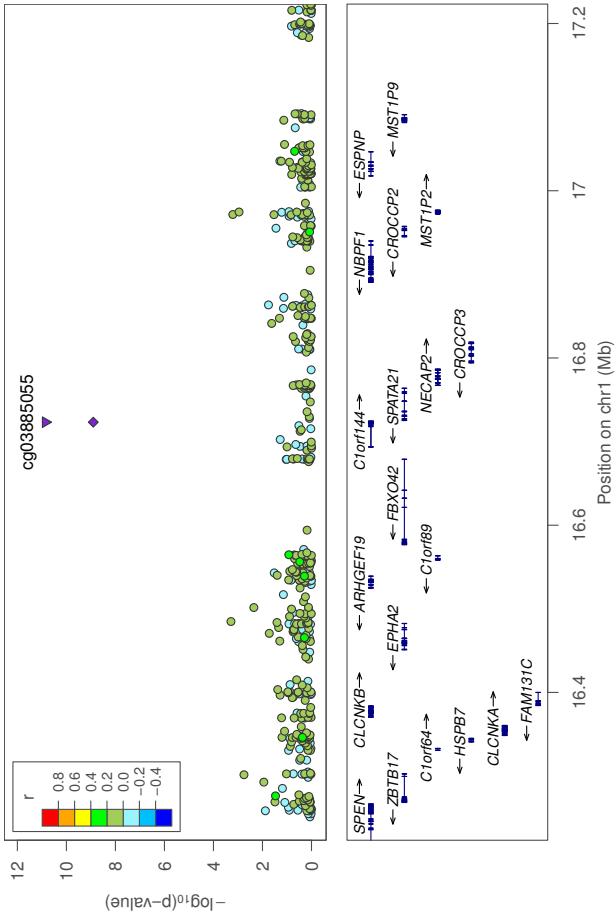
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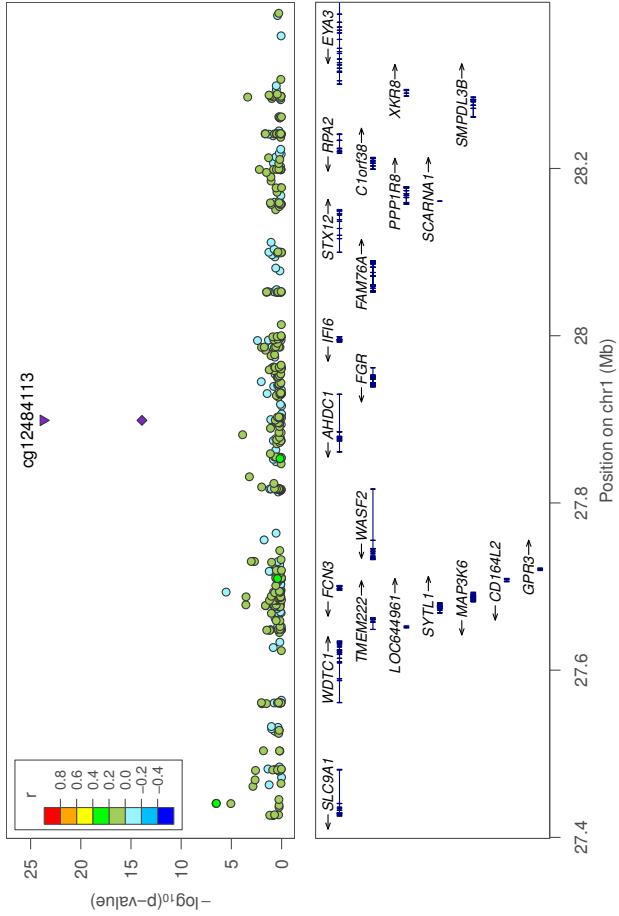
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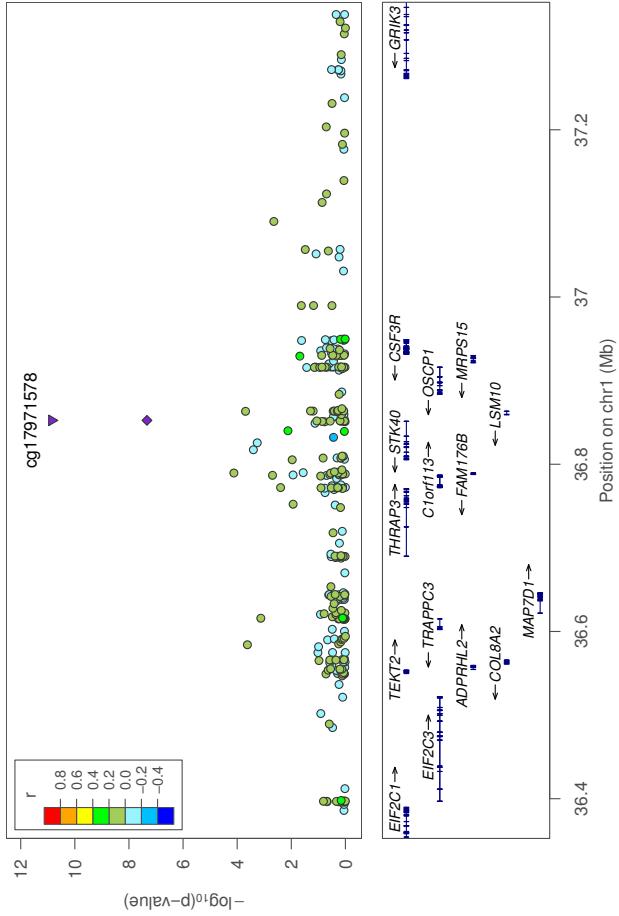
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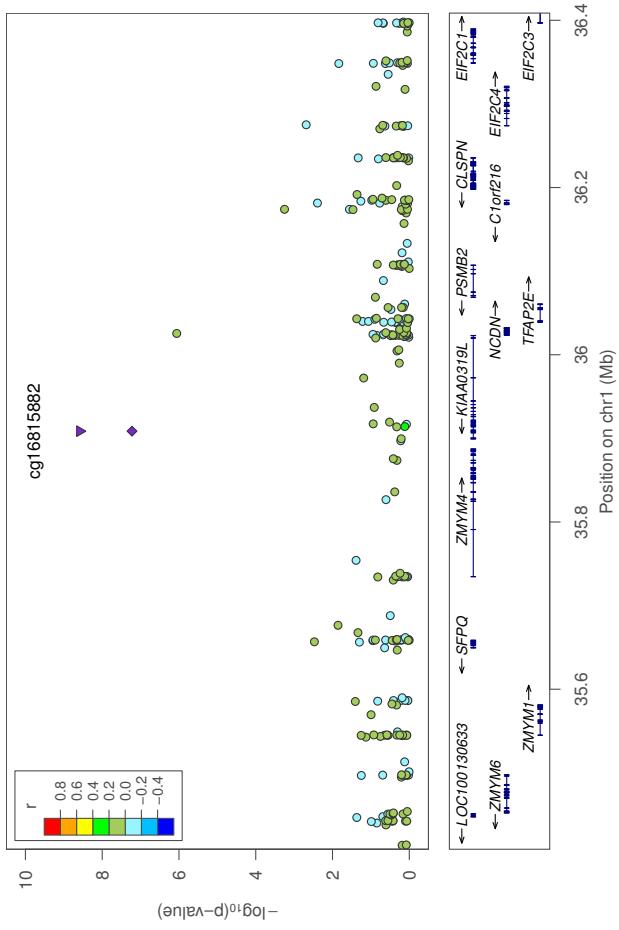
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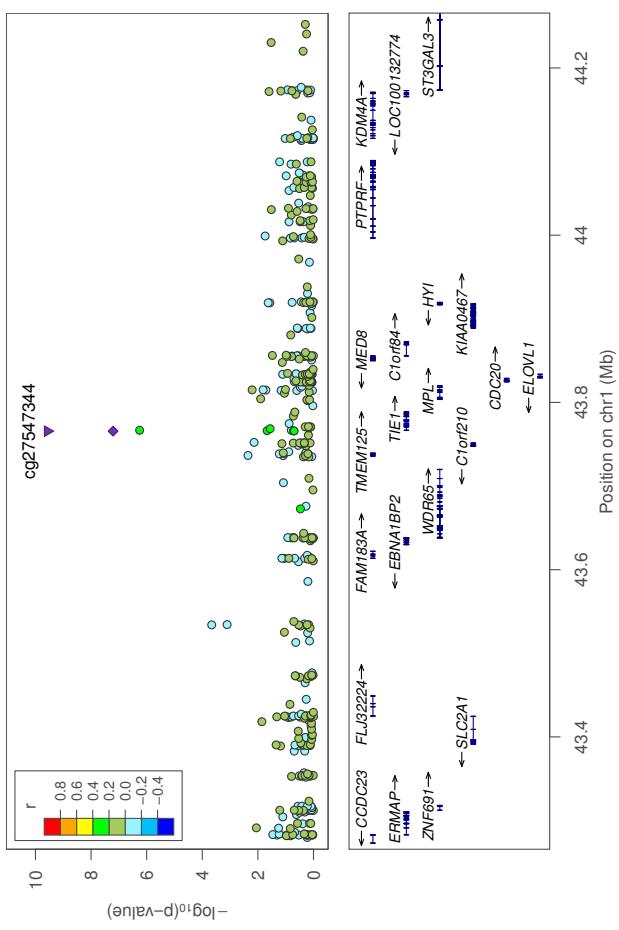
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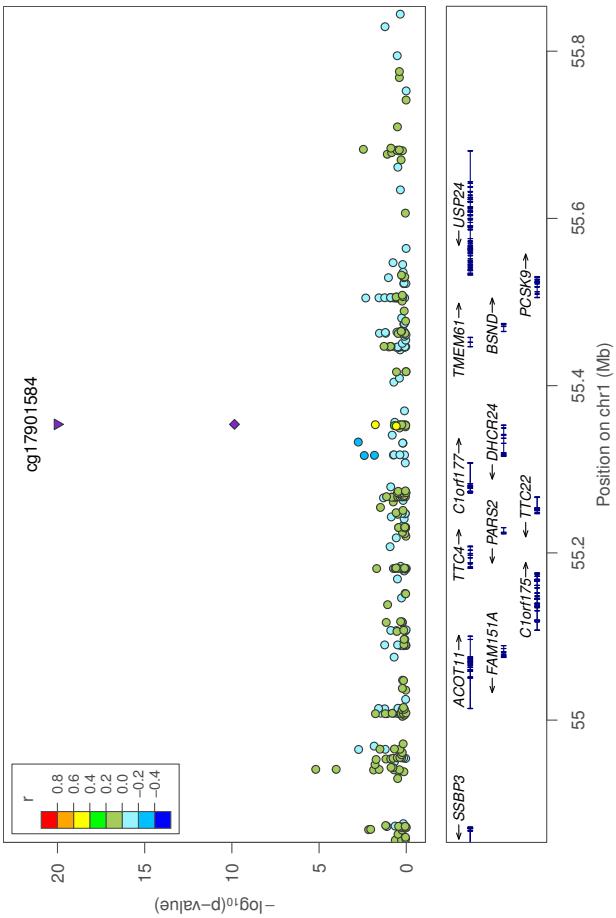
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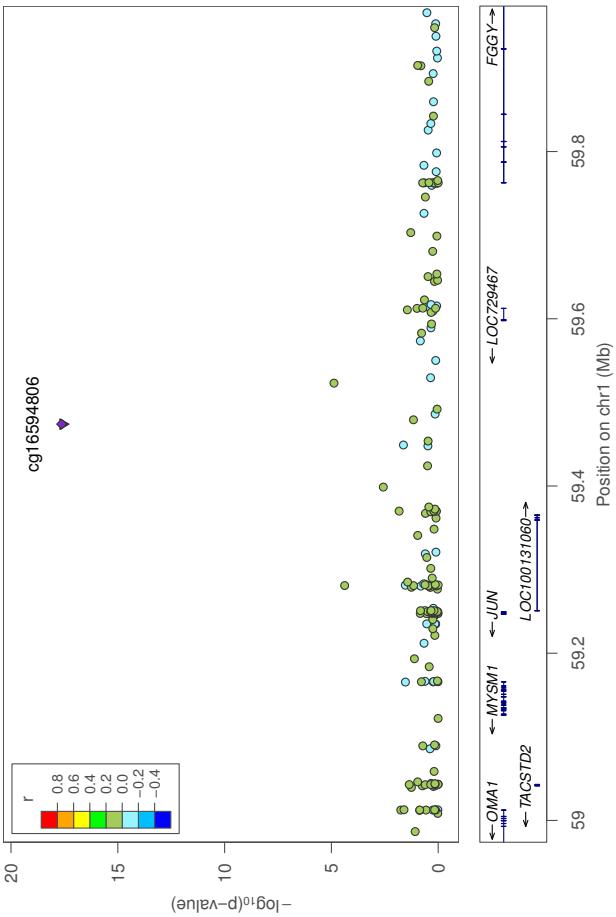
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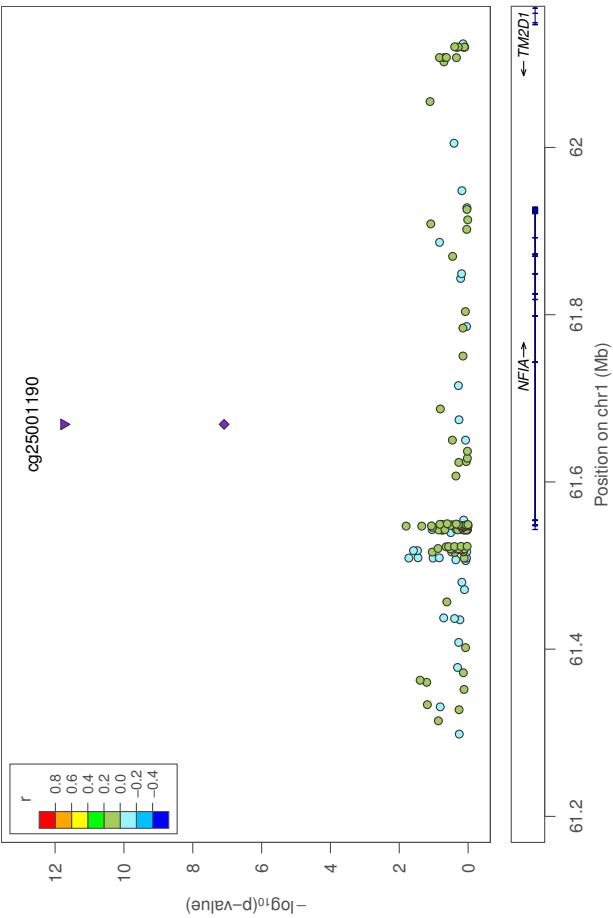
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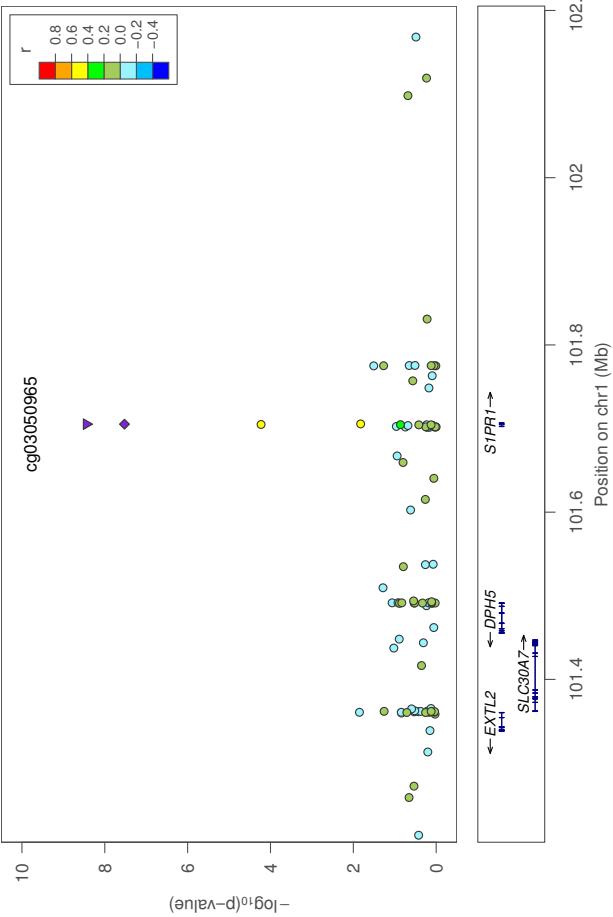
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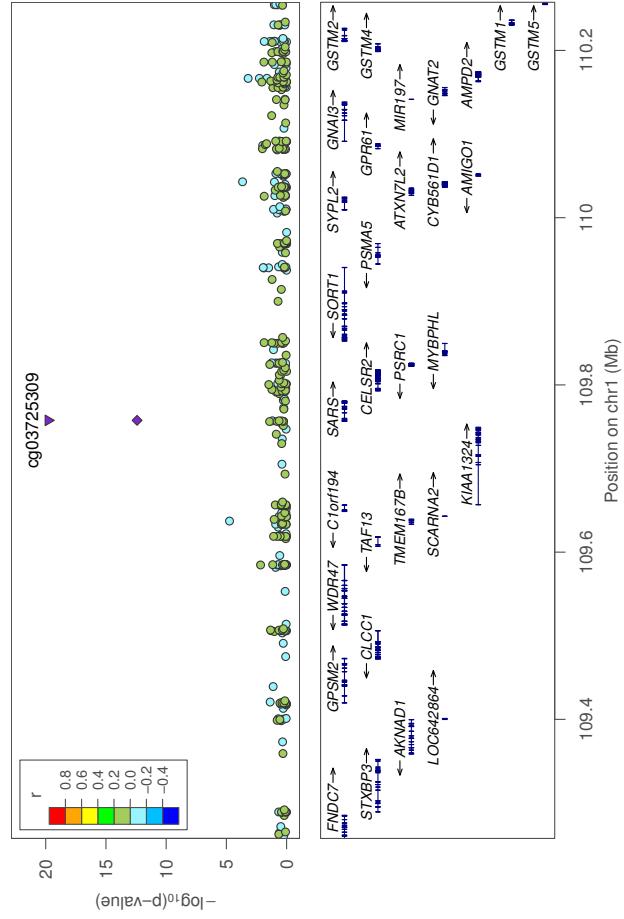
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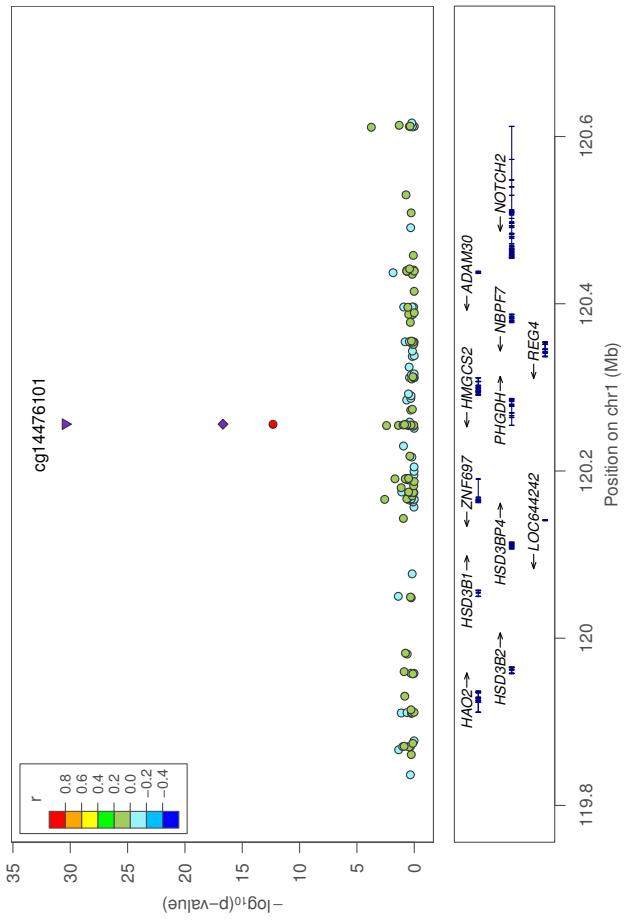
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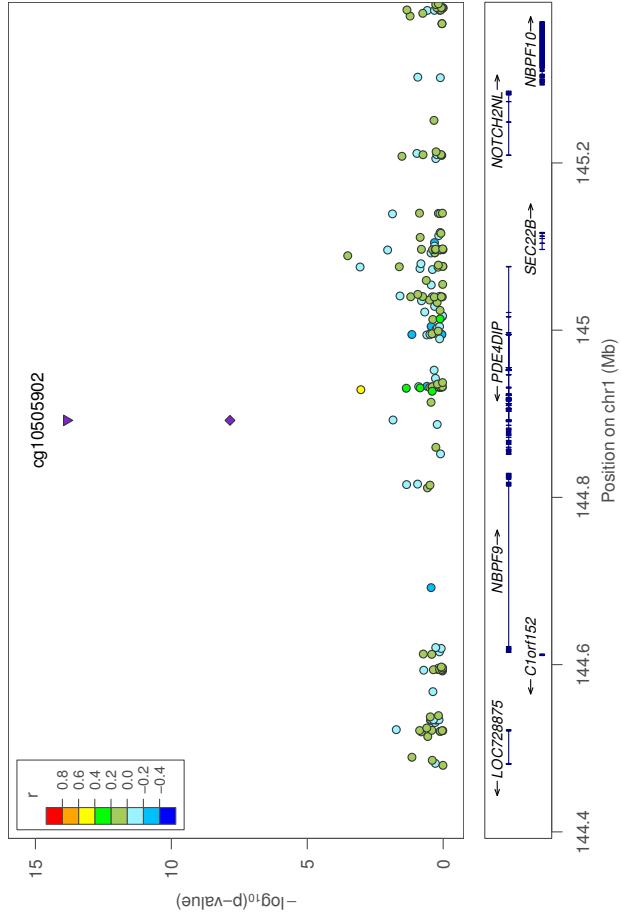
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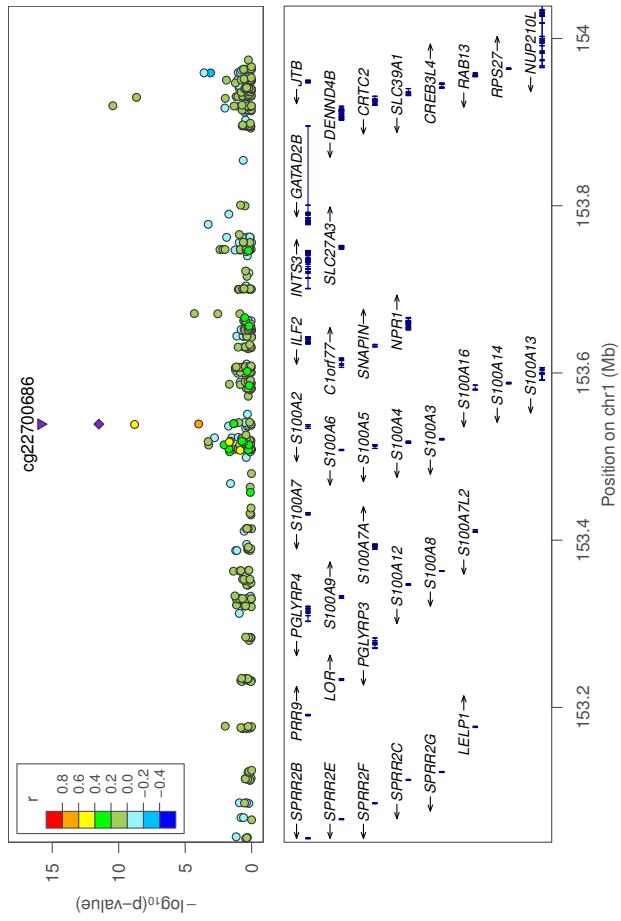
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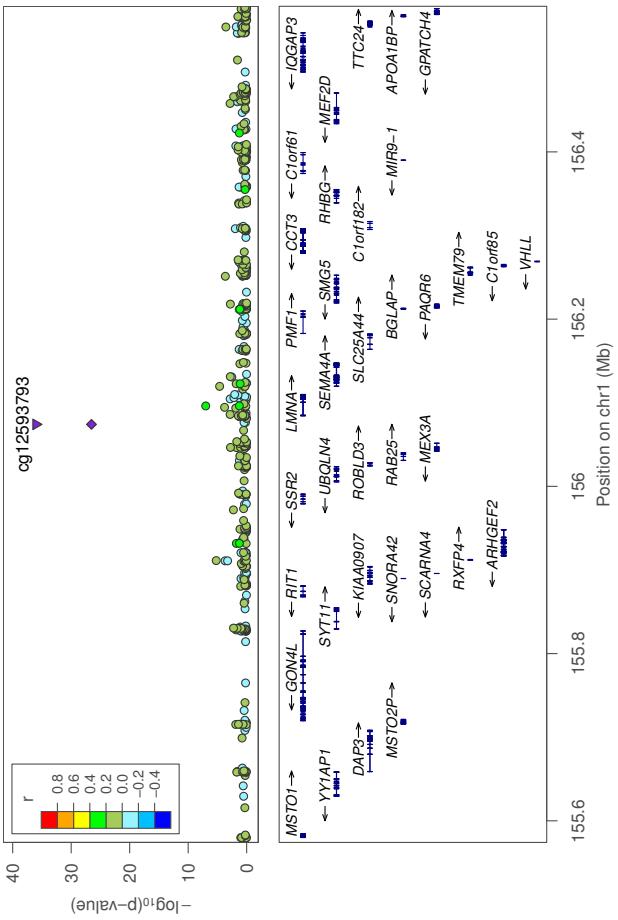
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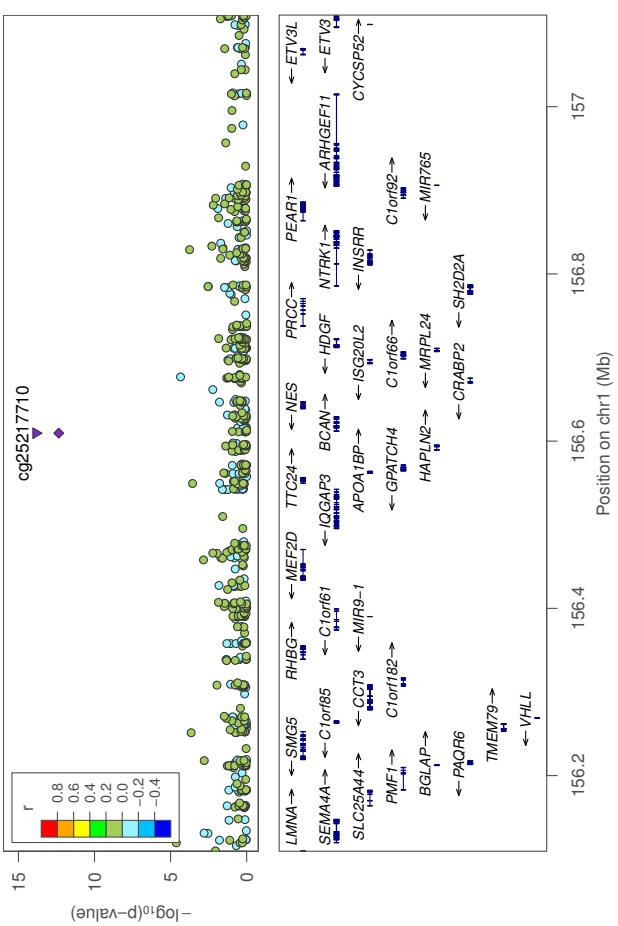
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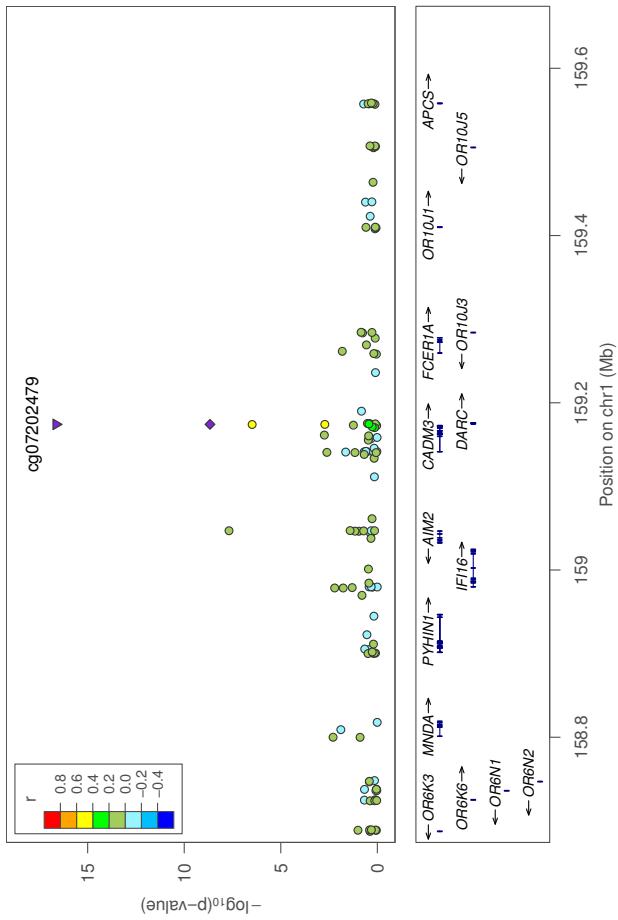
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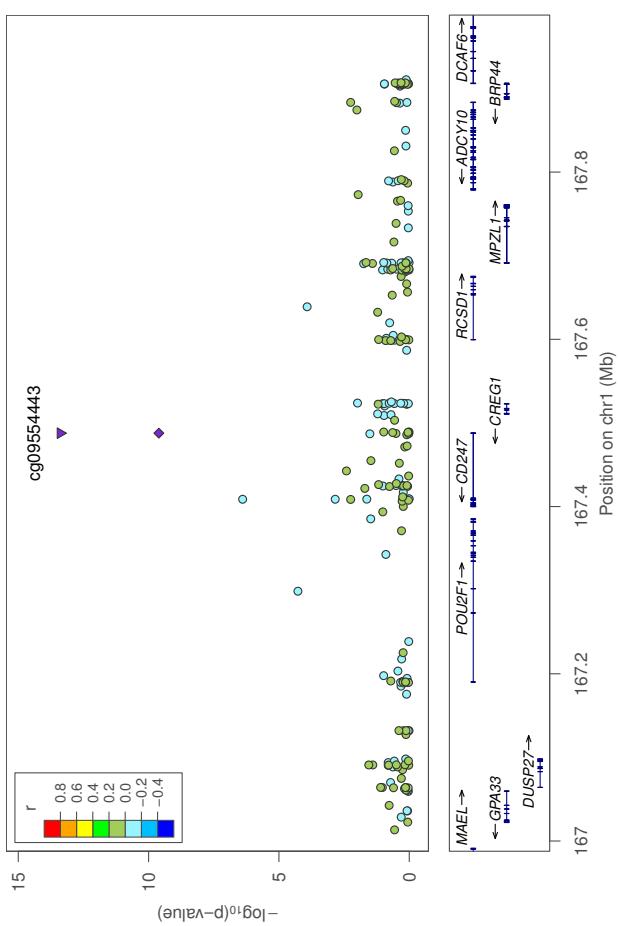
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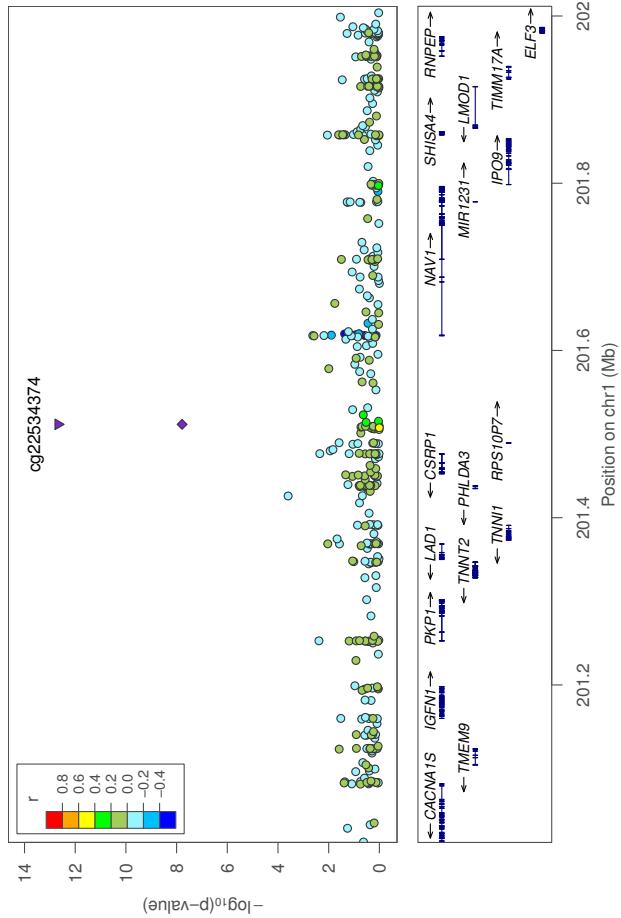
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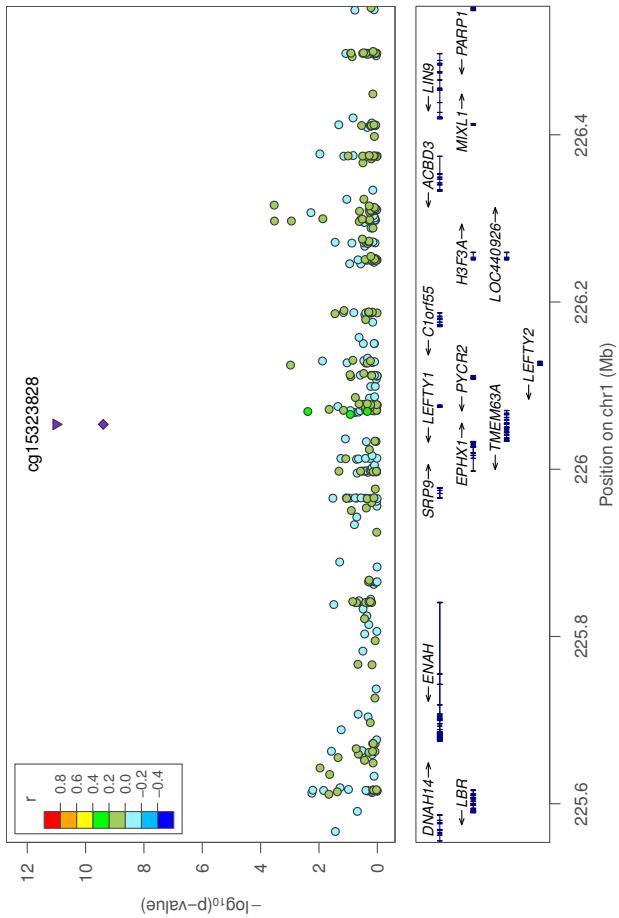
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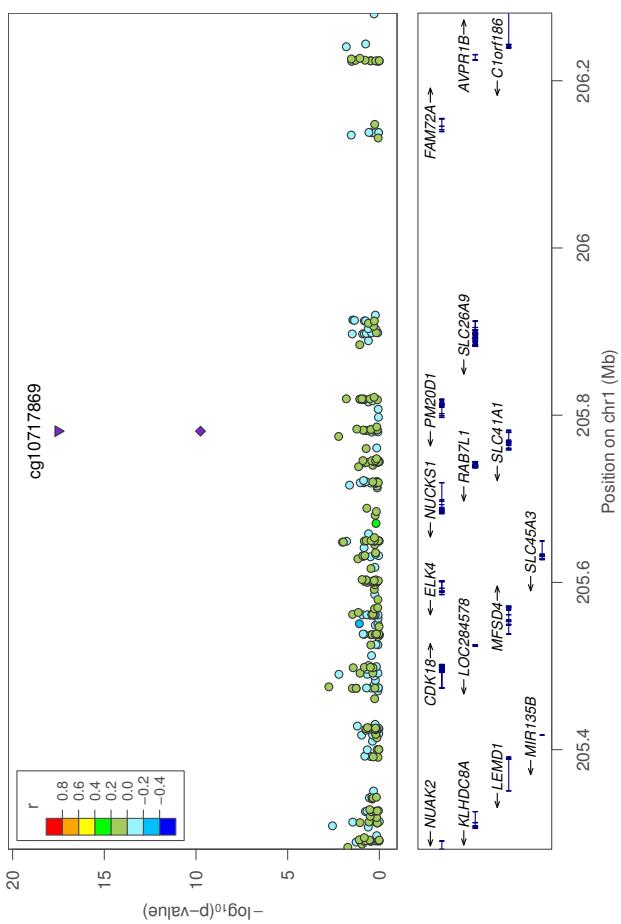
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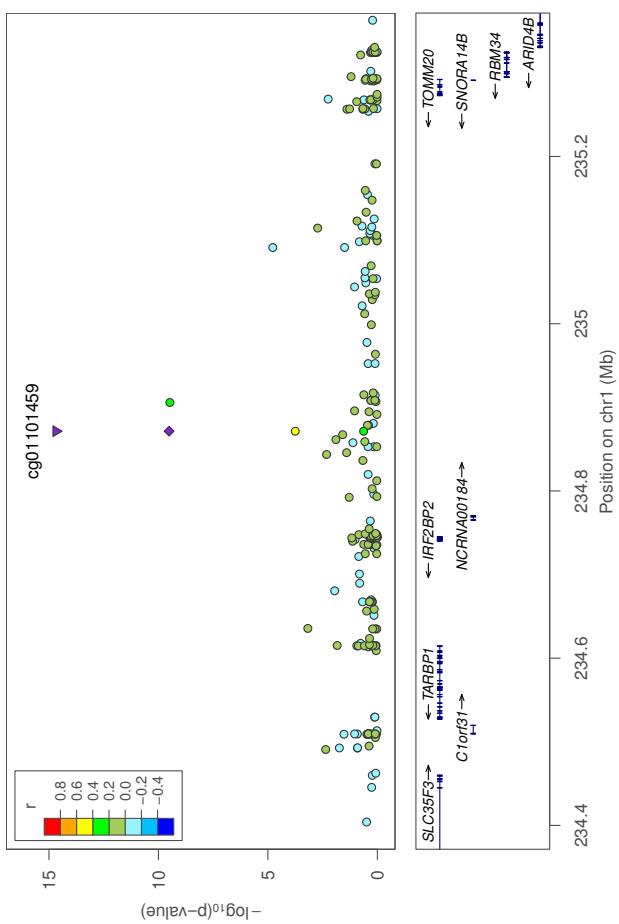
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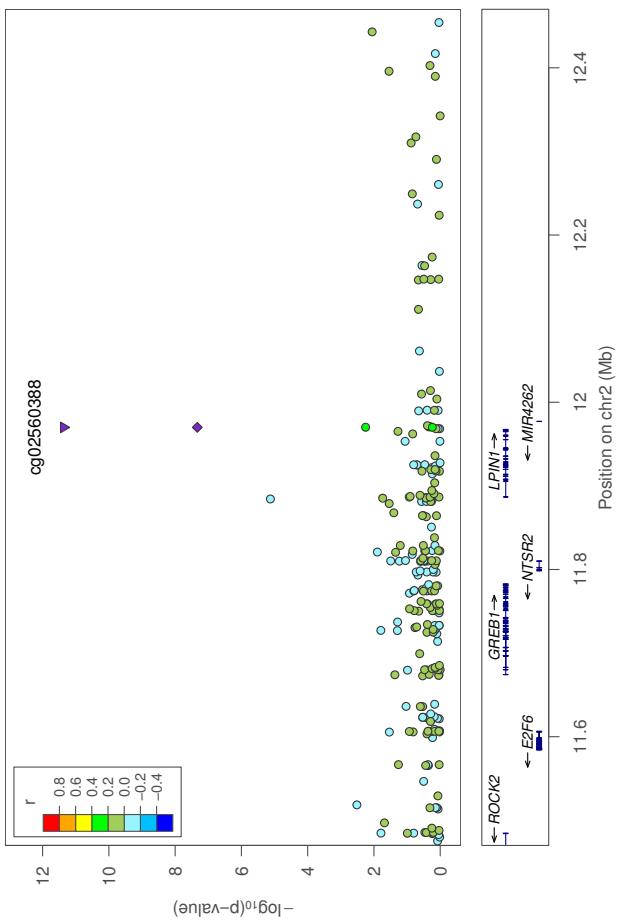


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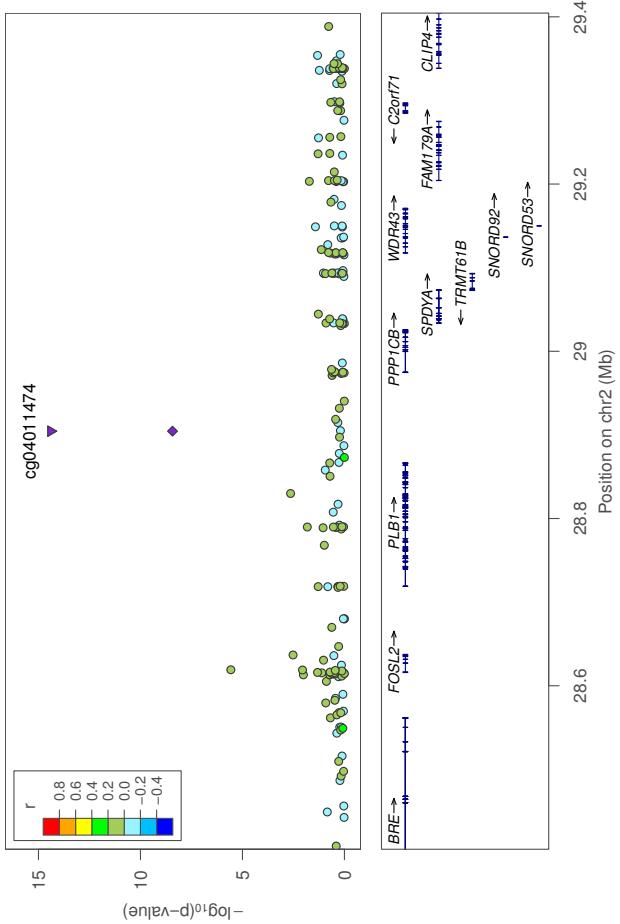
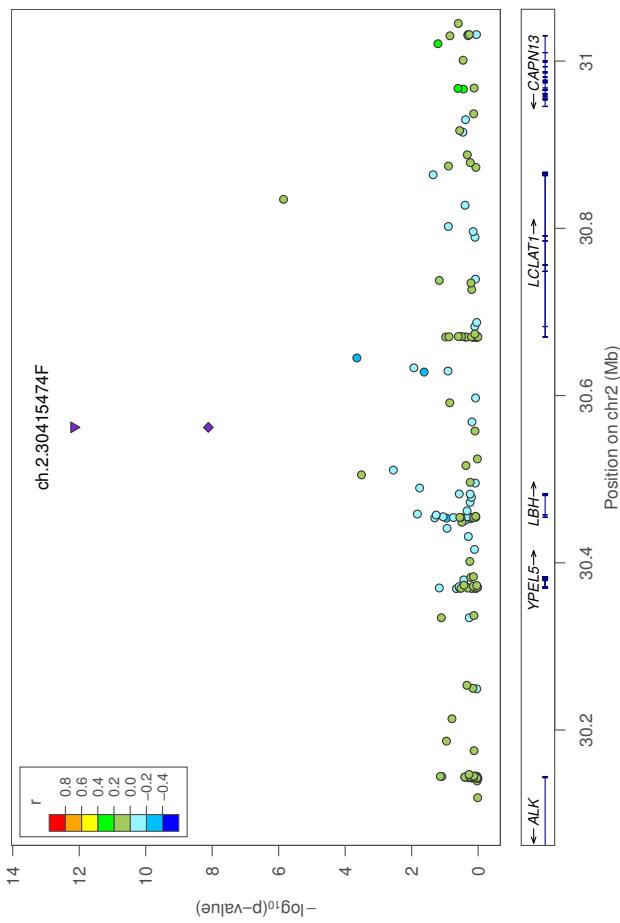


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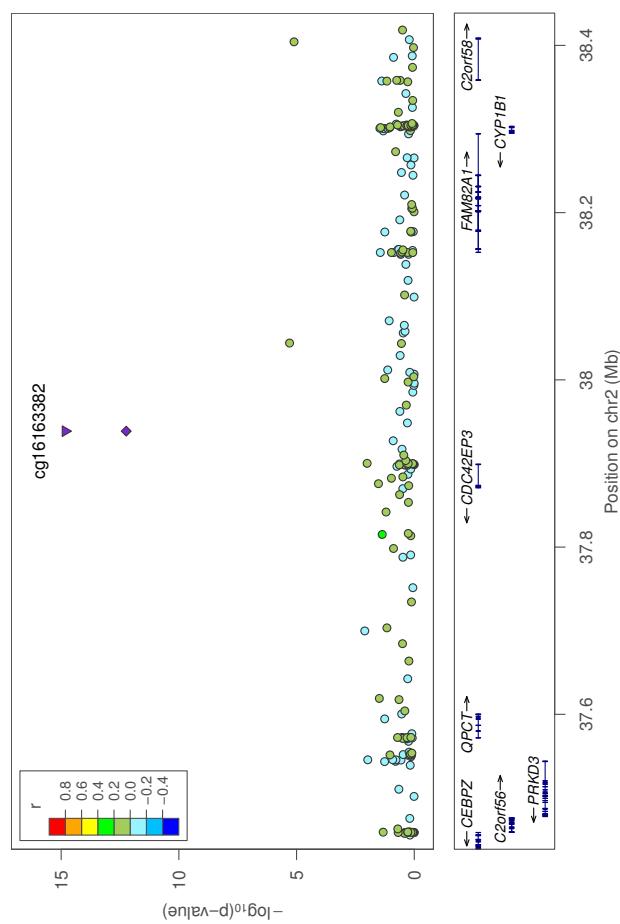
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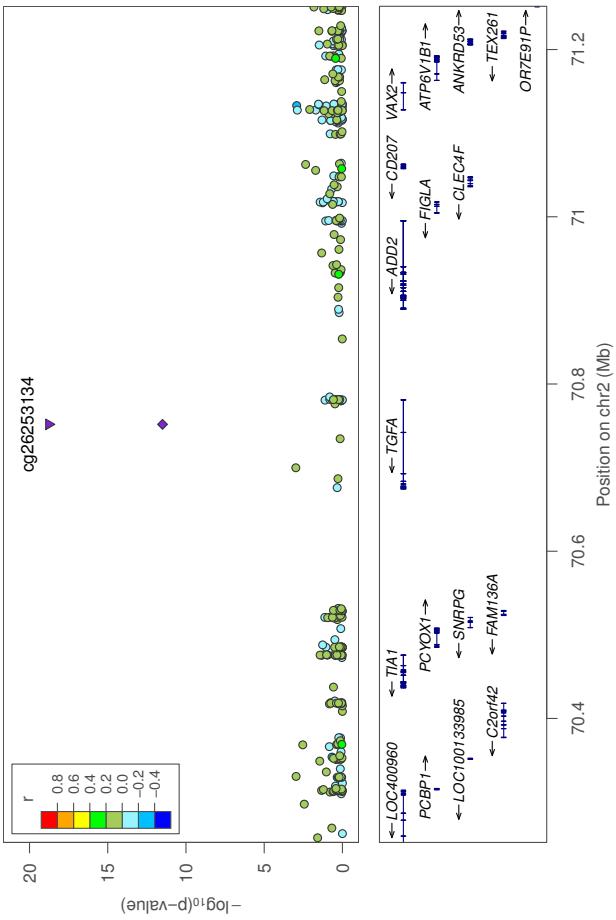
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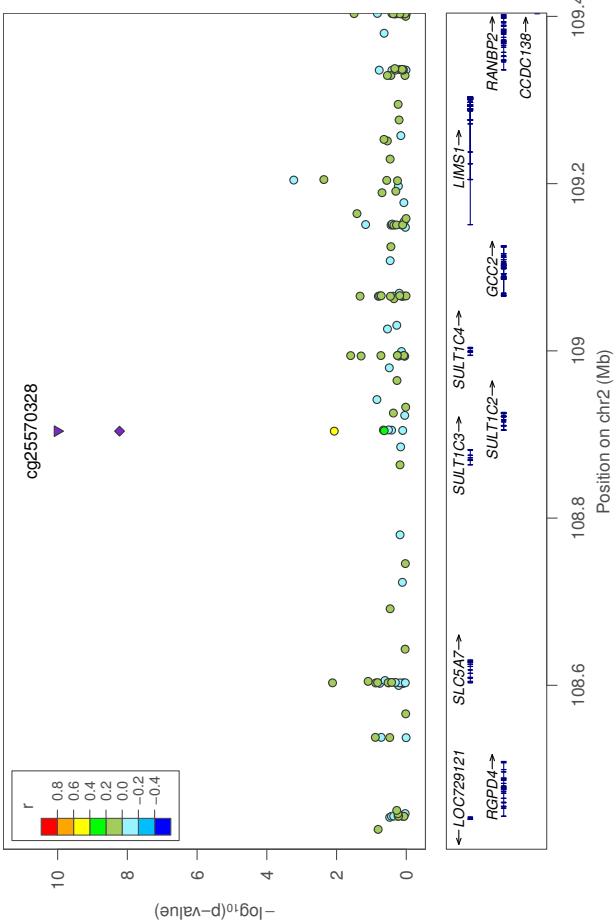
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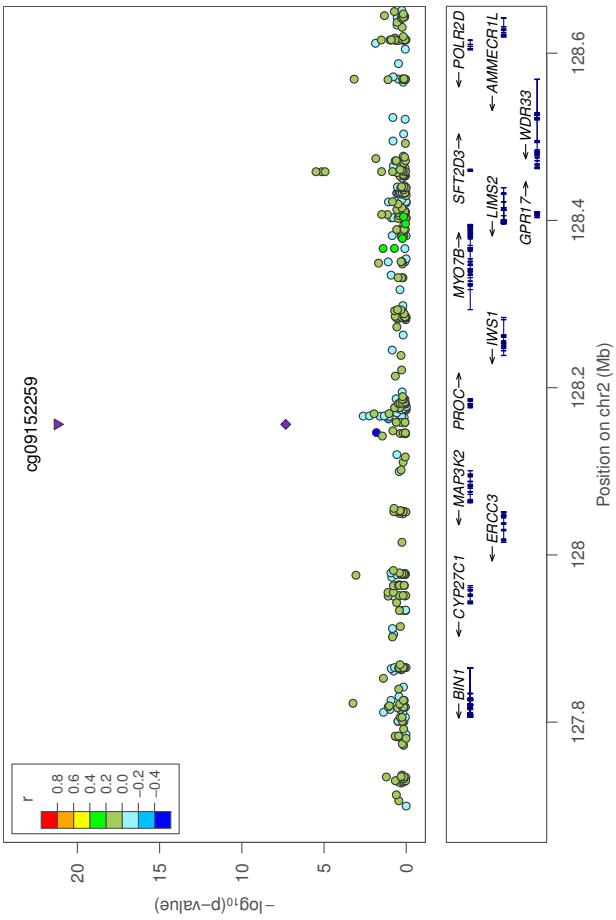
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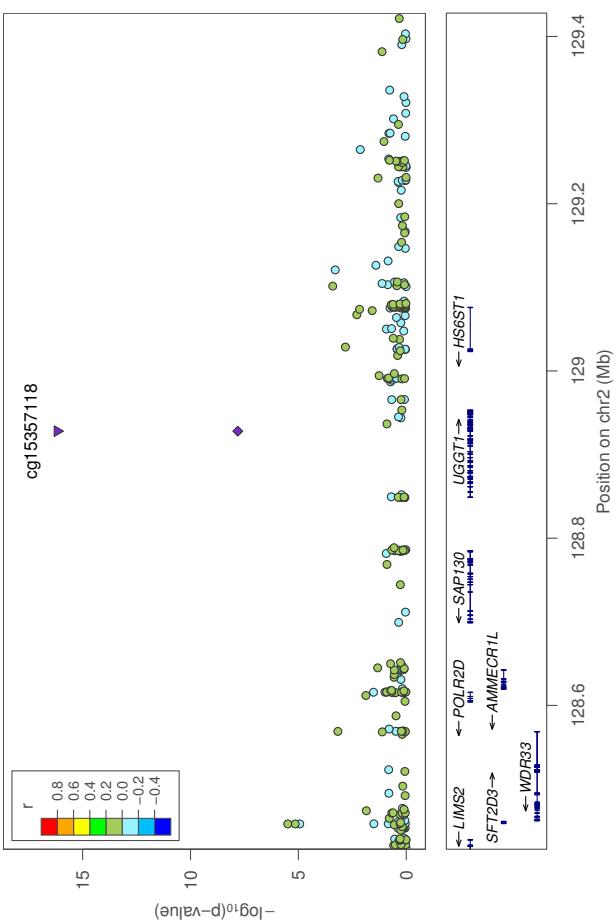
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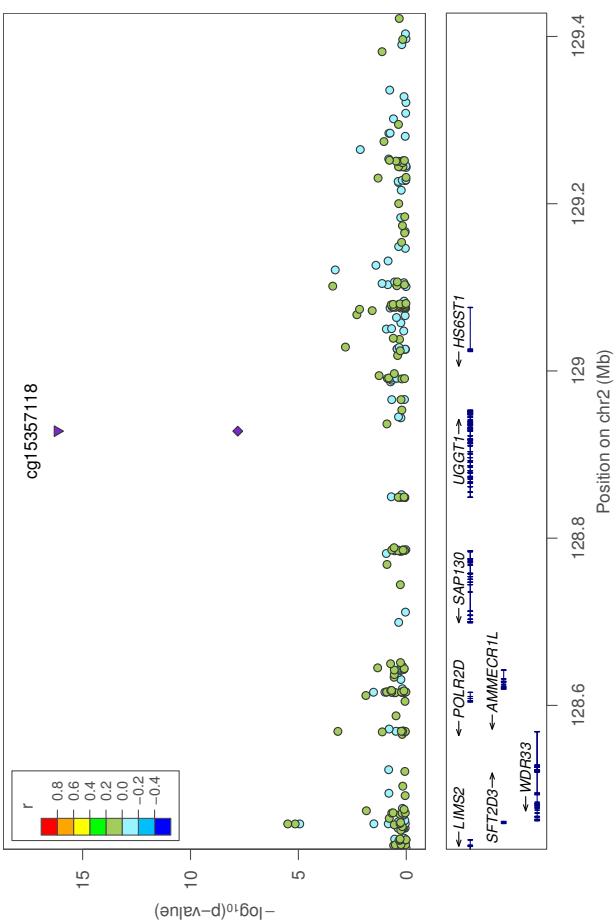
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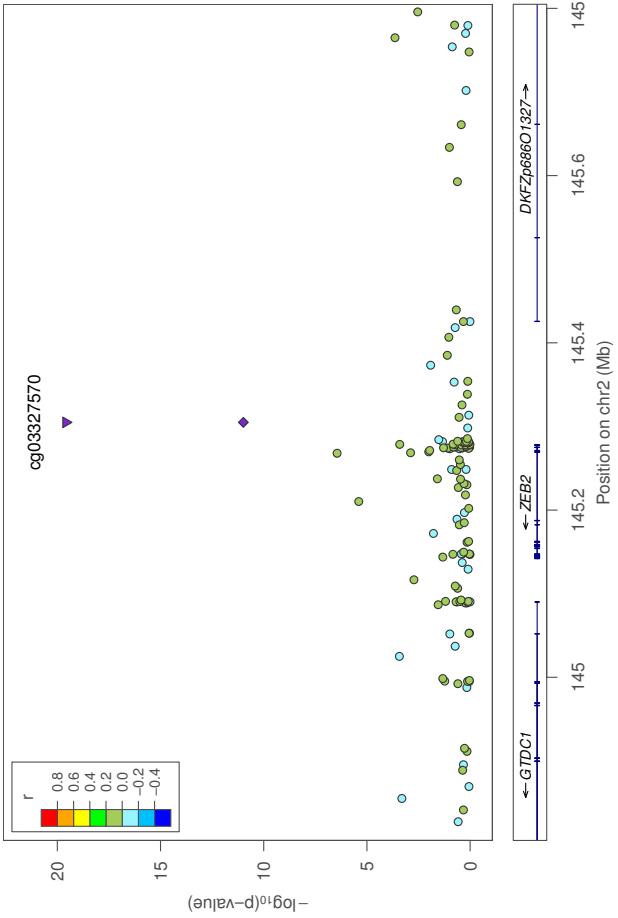
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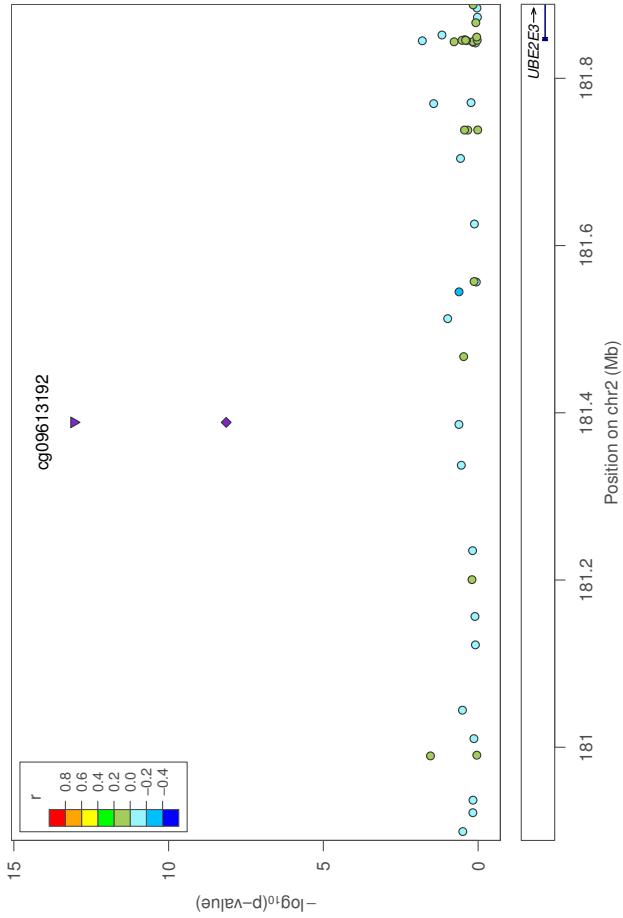
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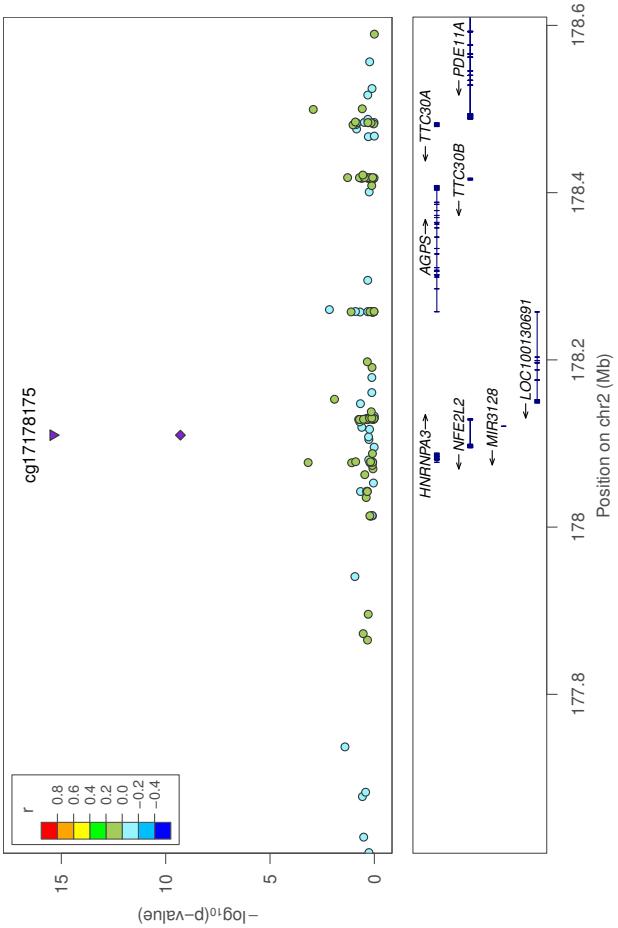
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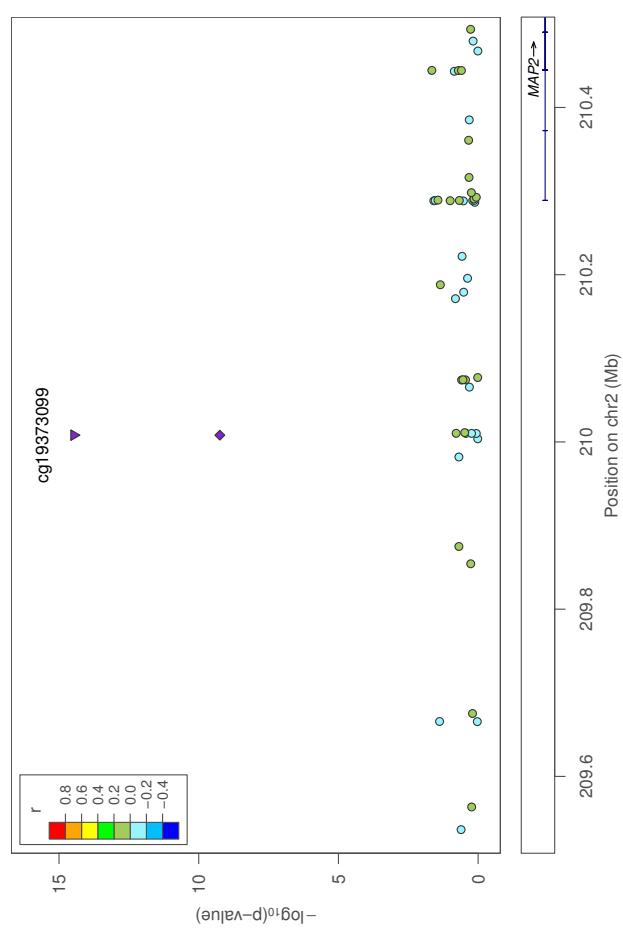
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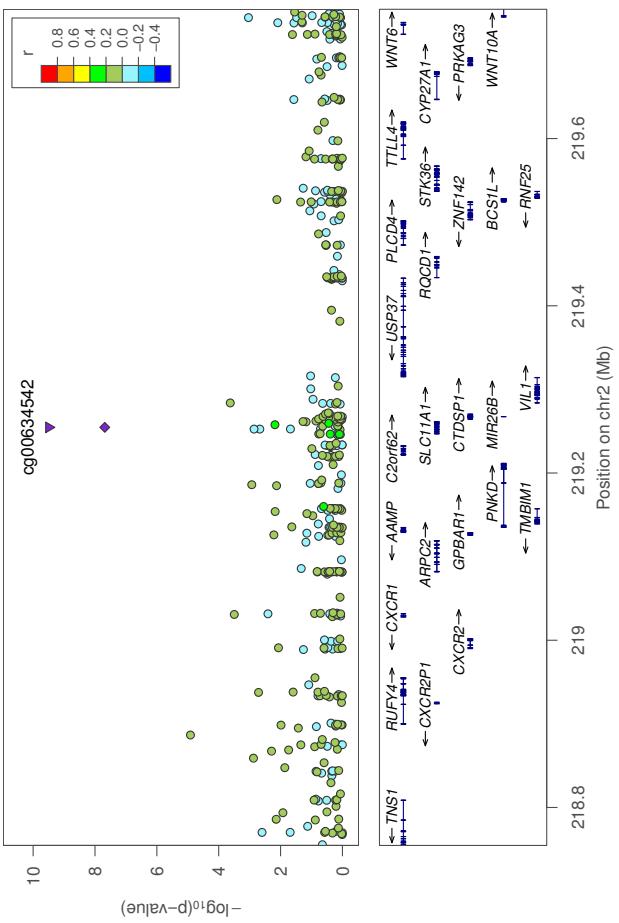
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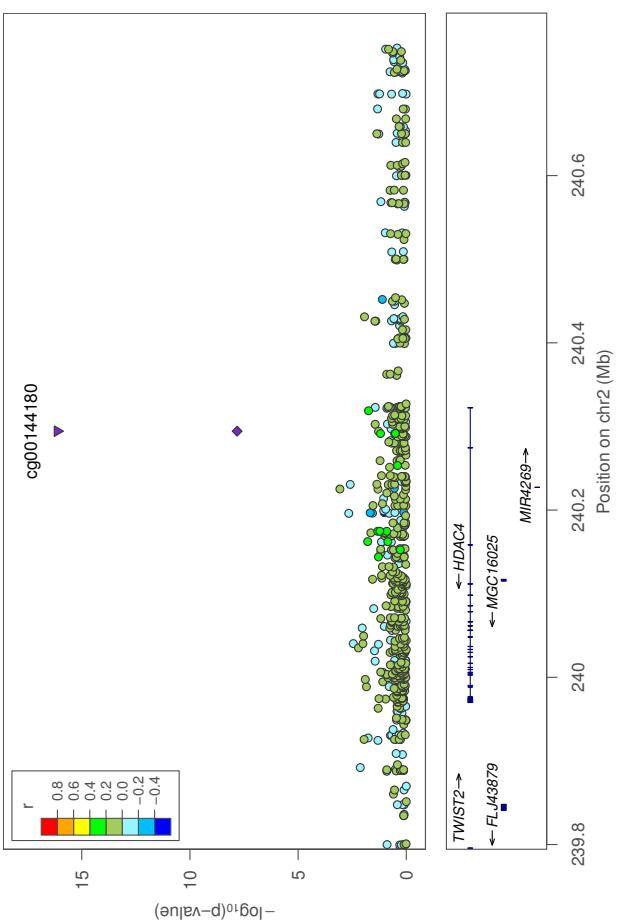
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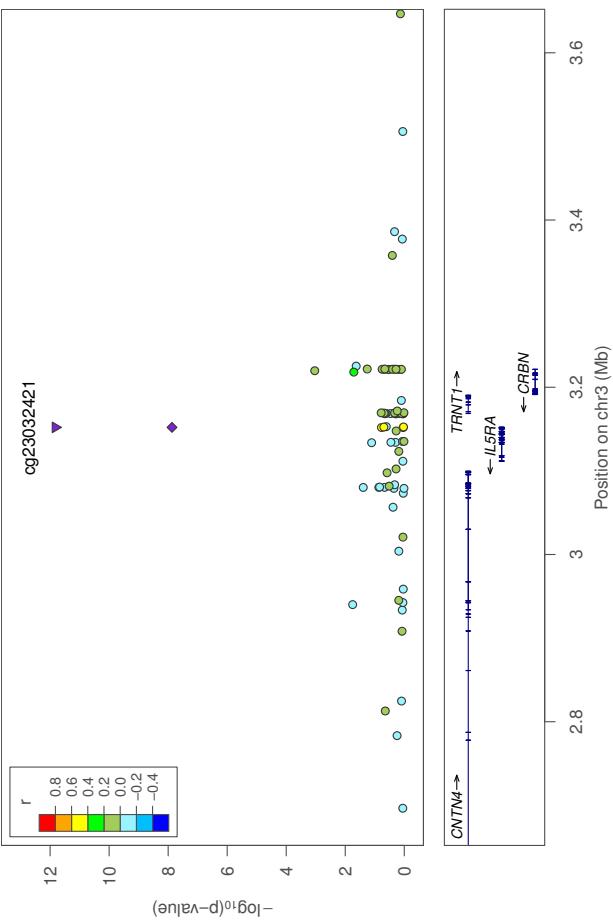
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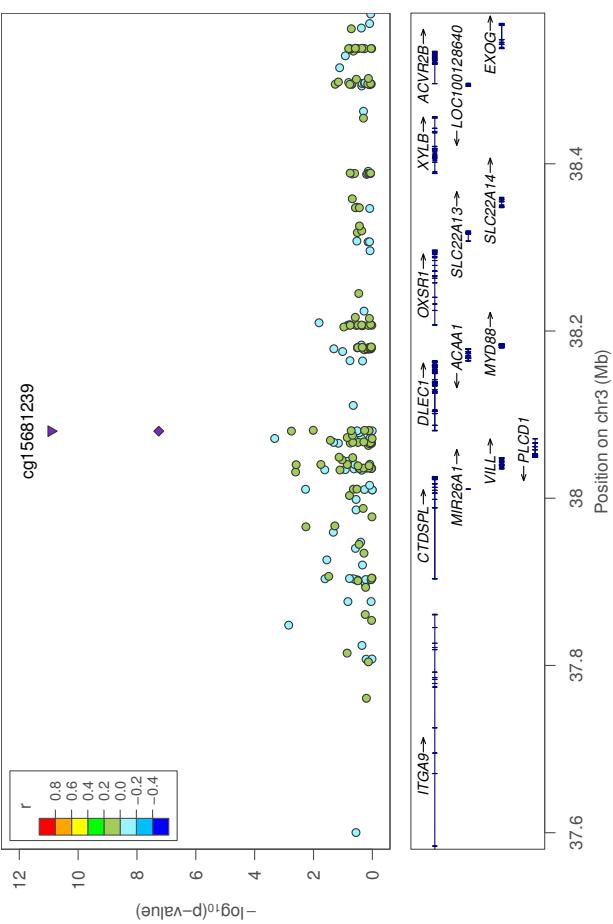
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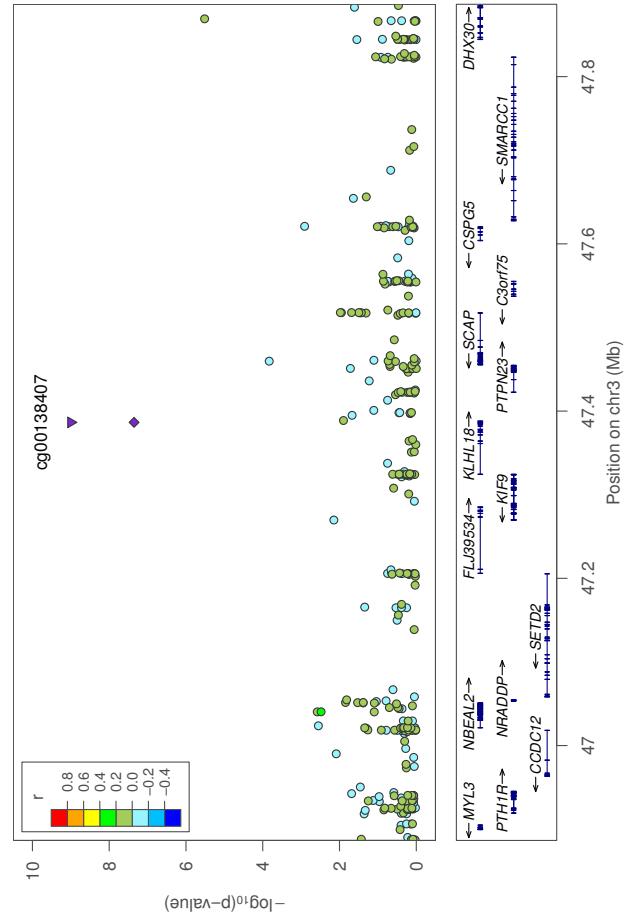
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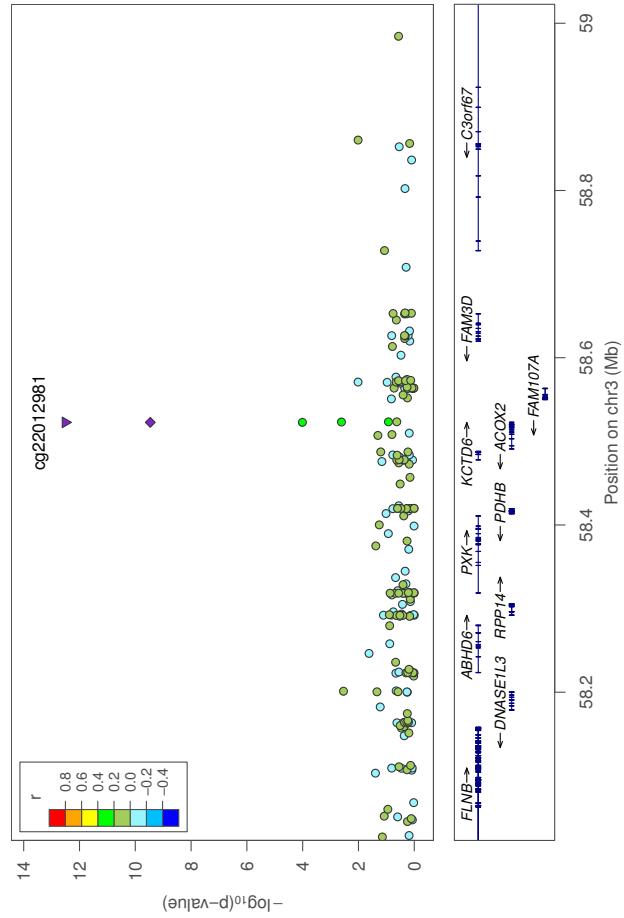
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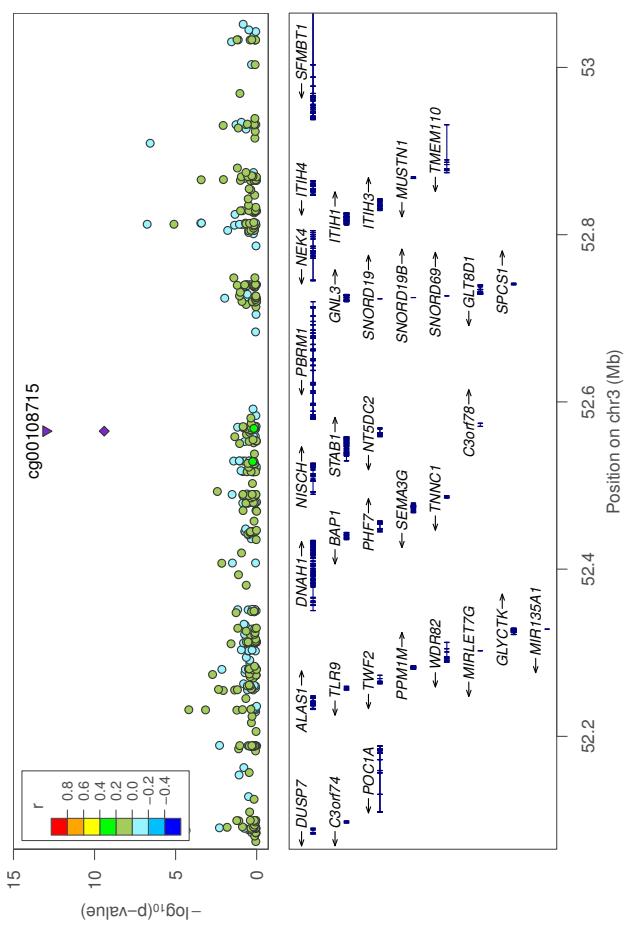
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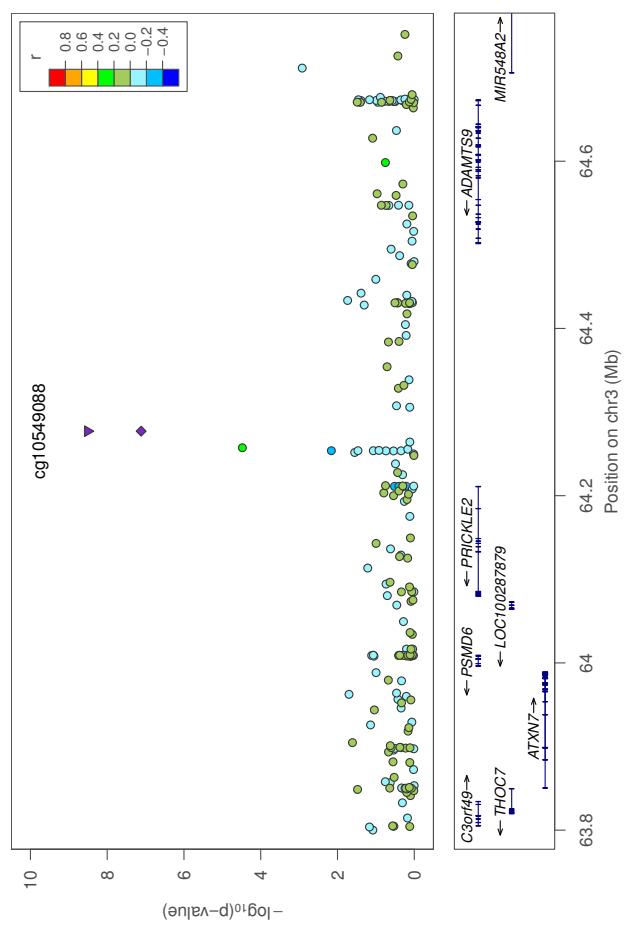
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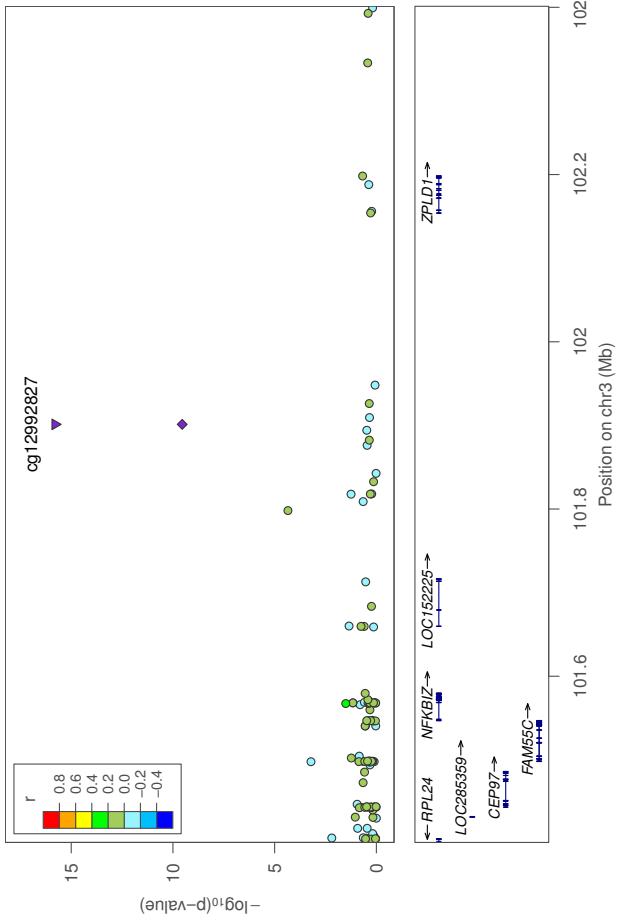
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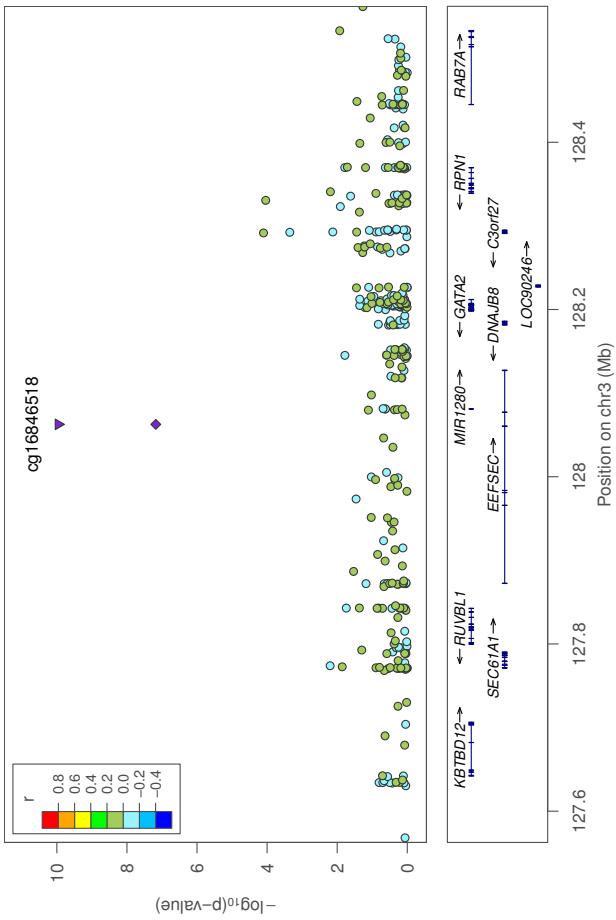
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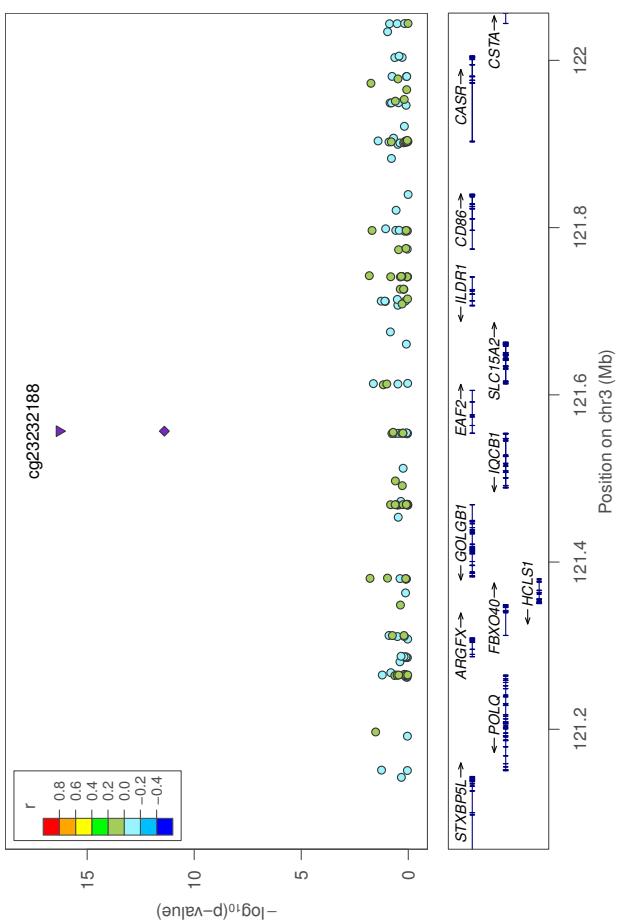
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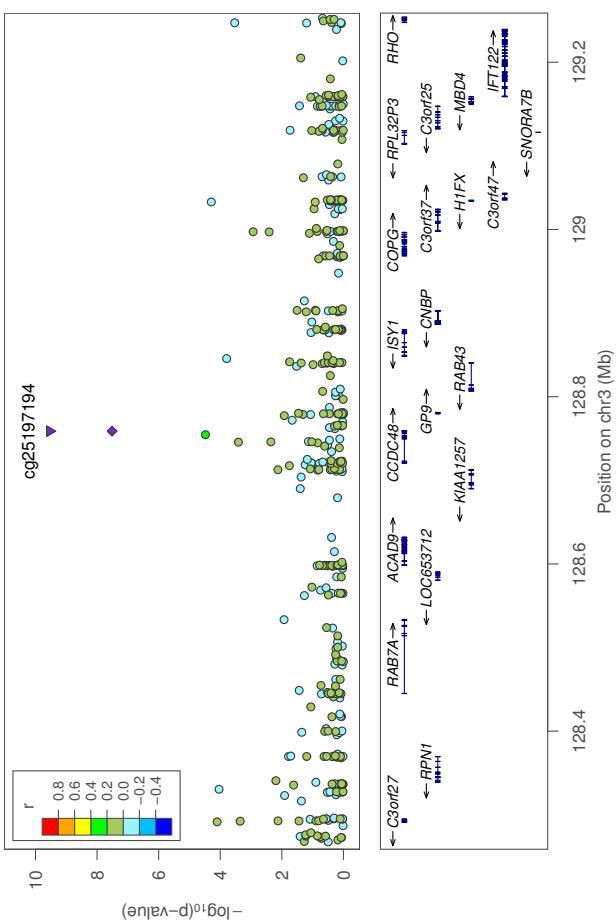
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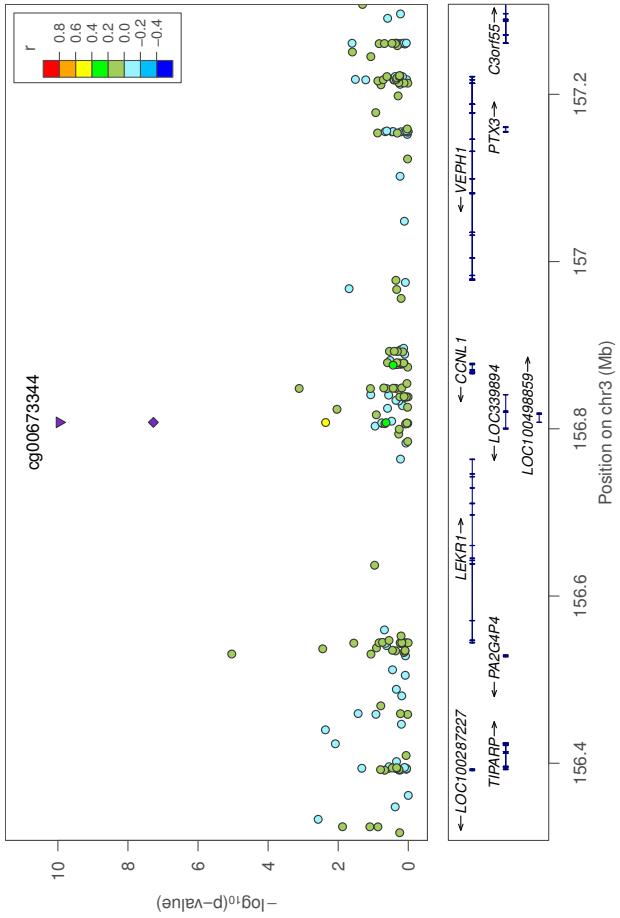
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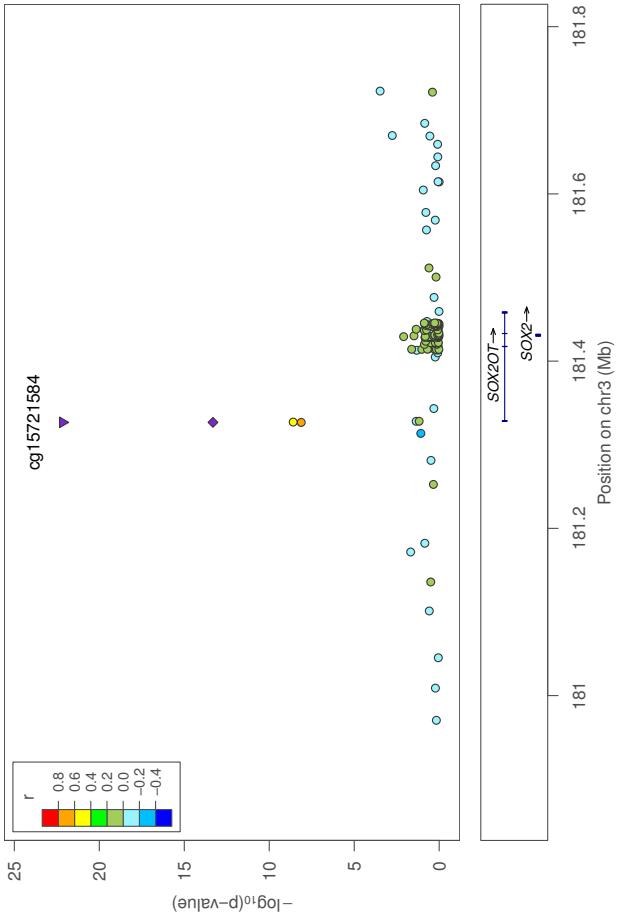
EFCC1



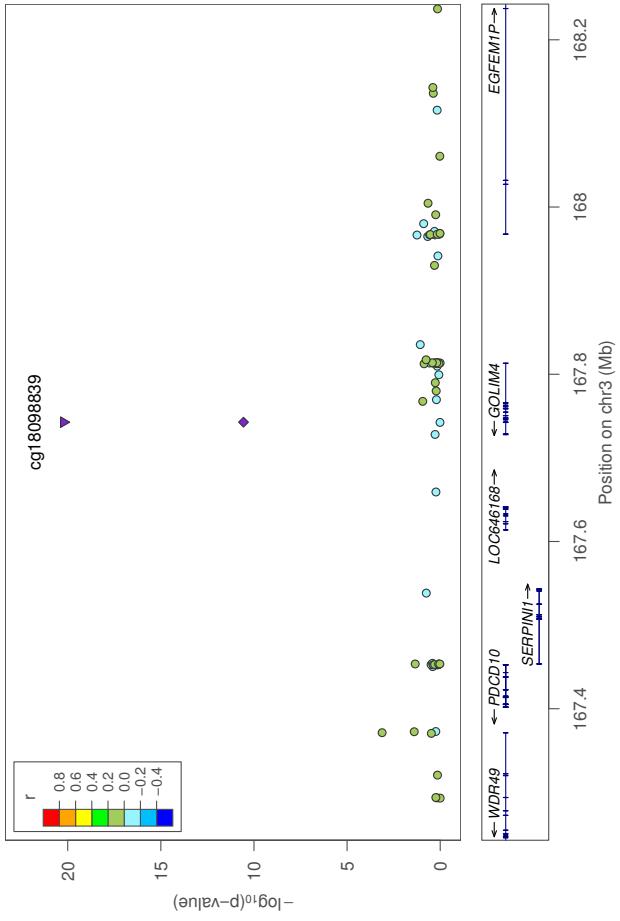
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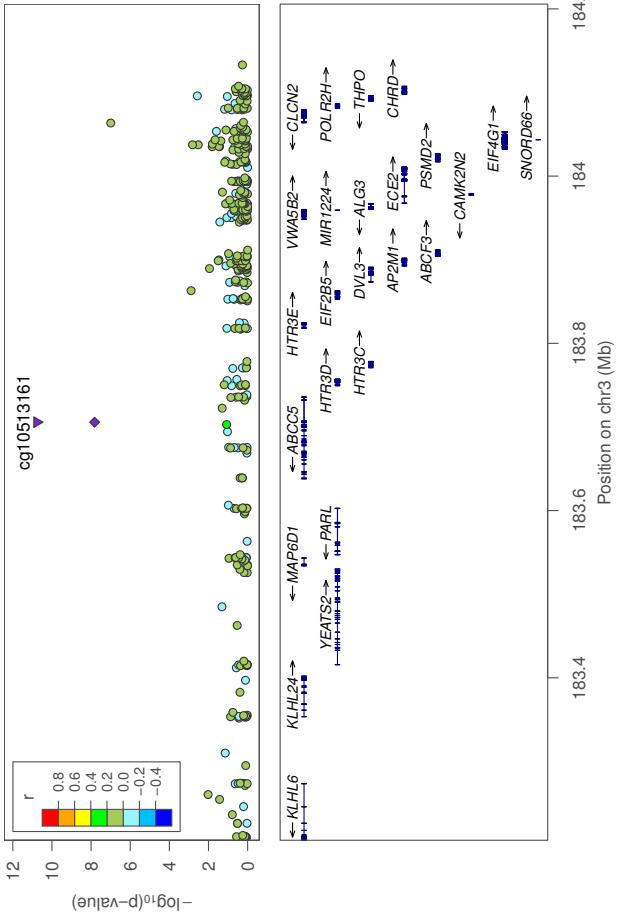
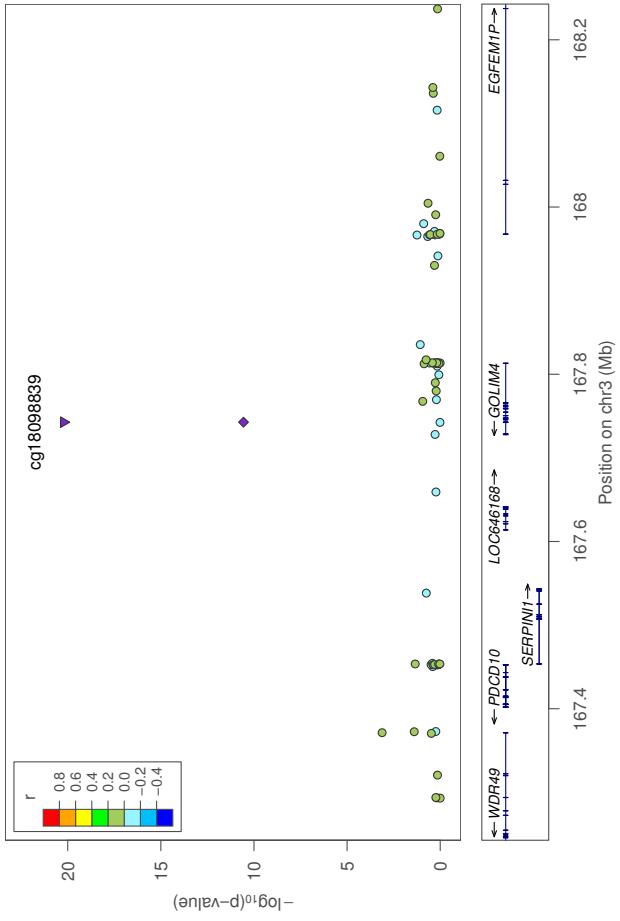
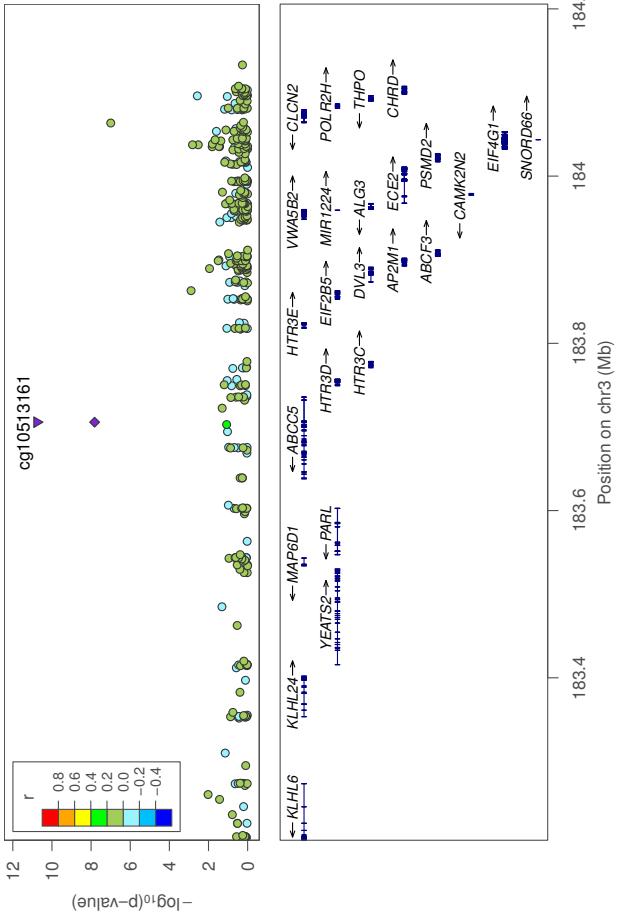
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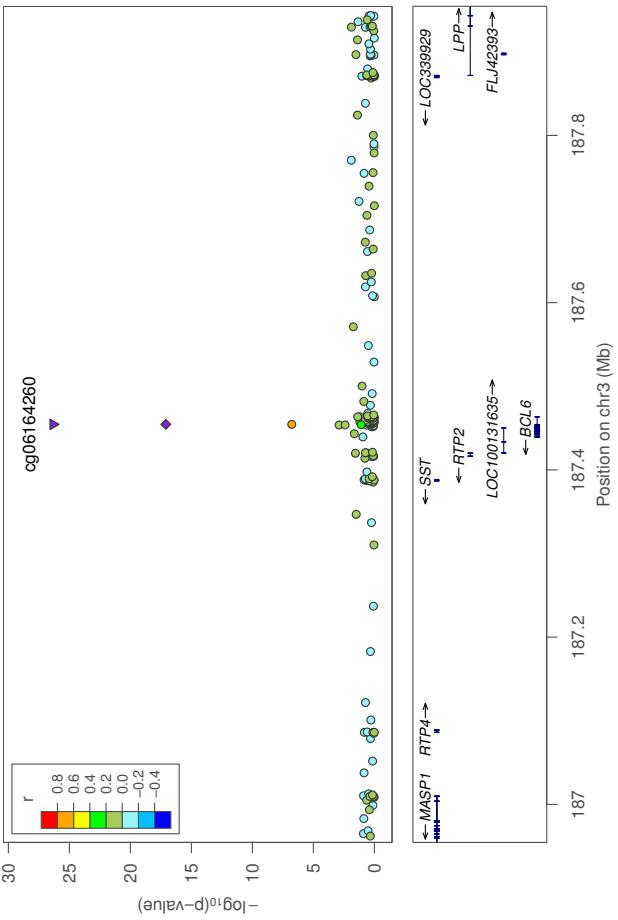
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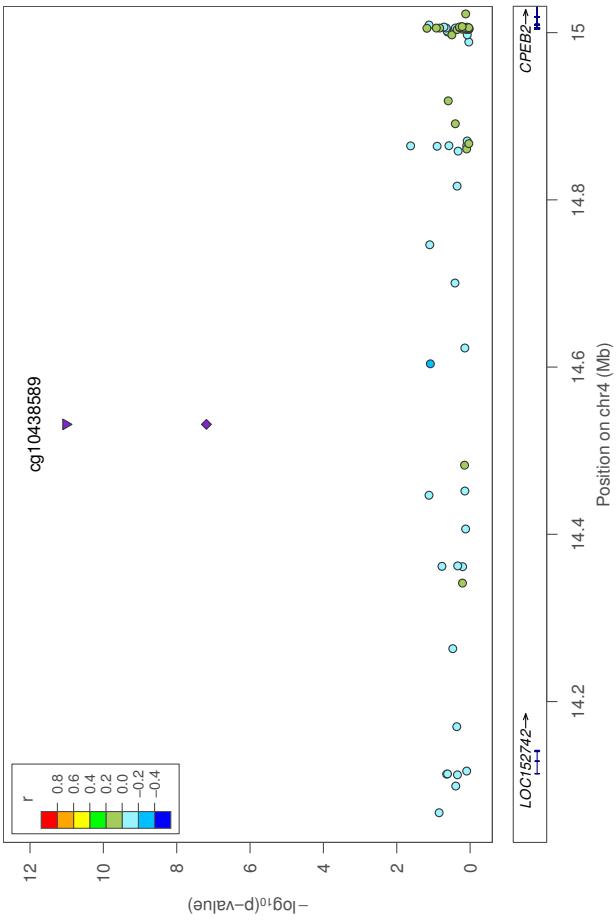
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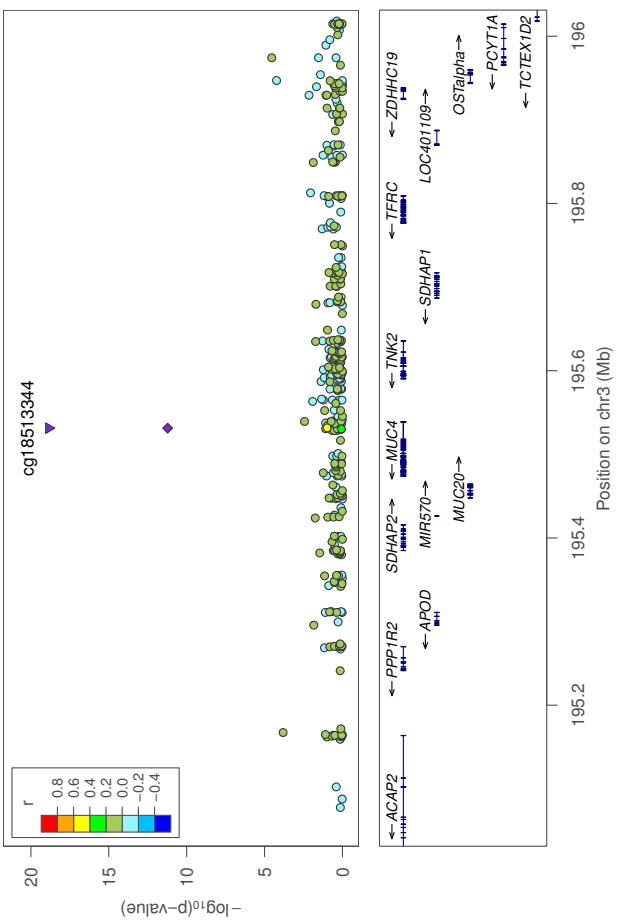
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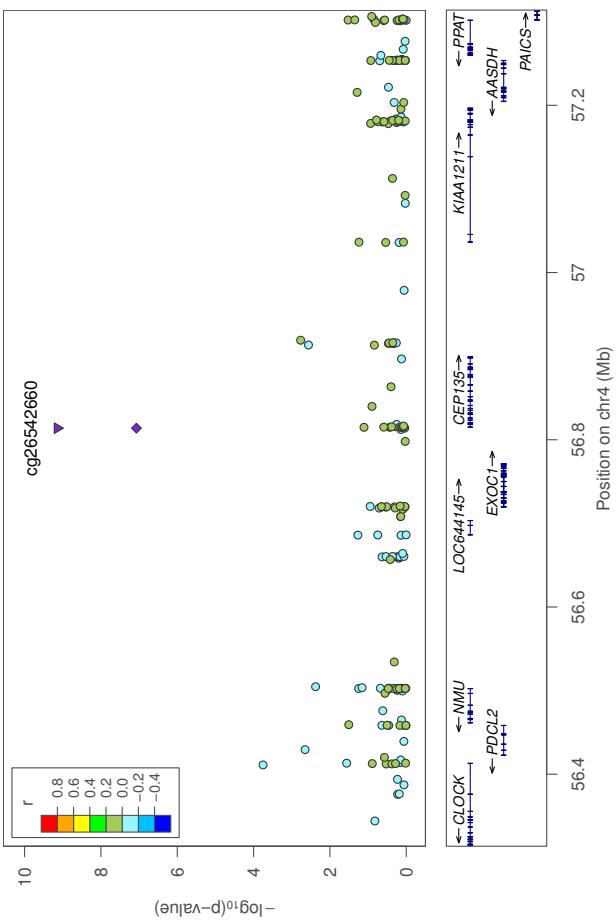
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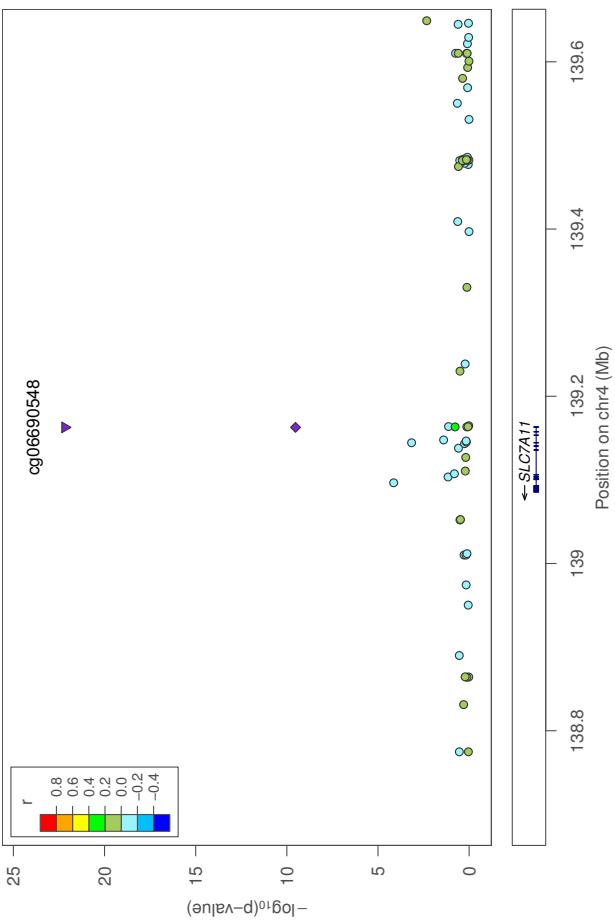
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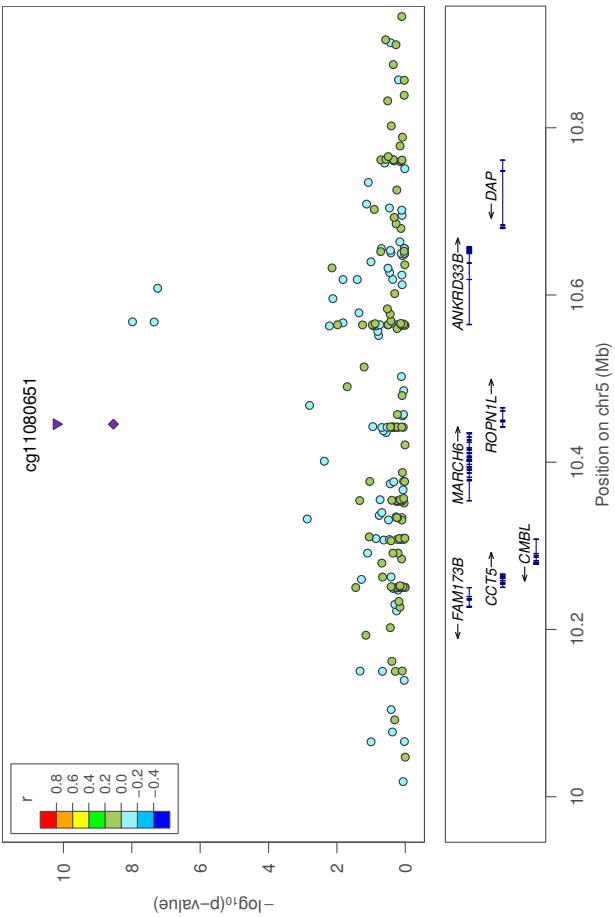
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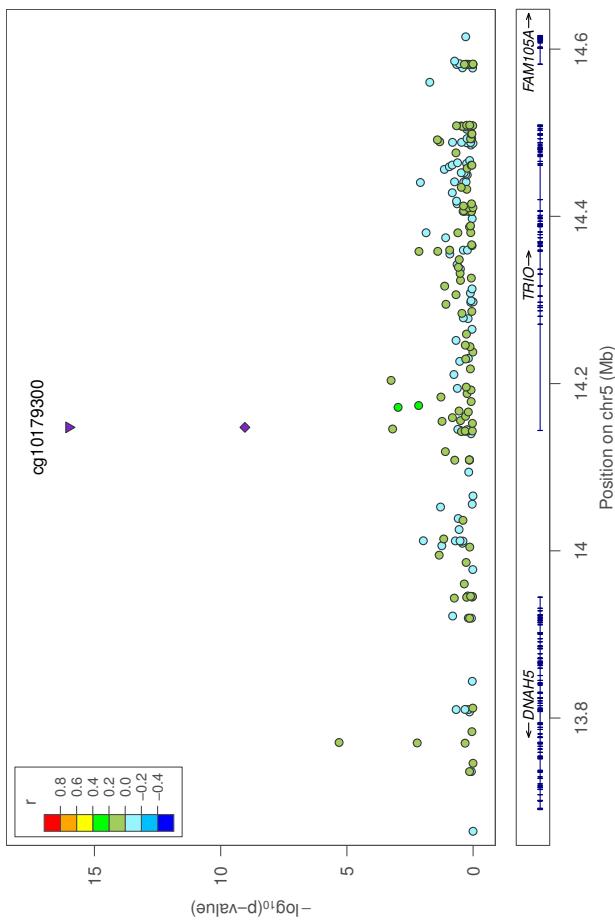
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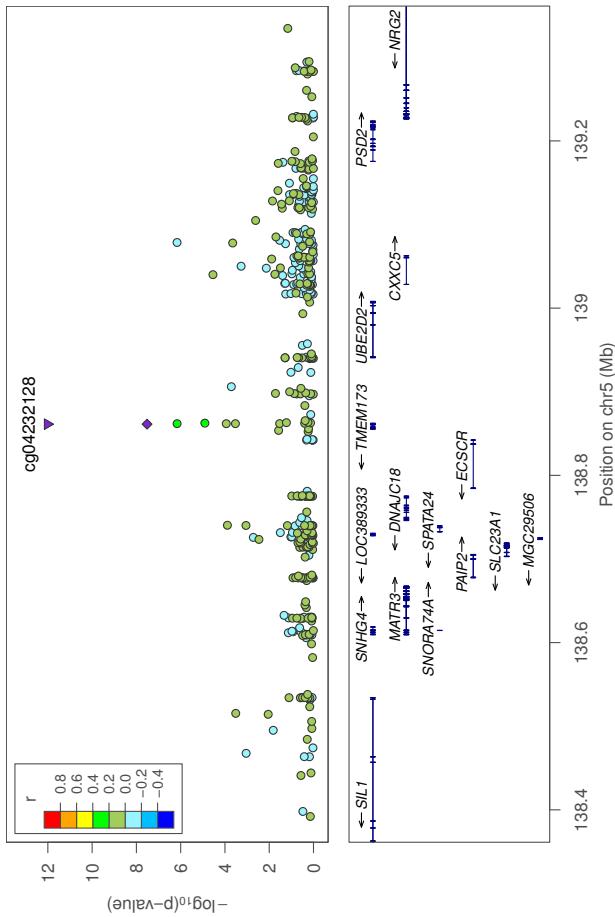
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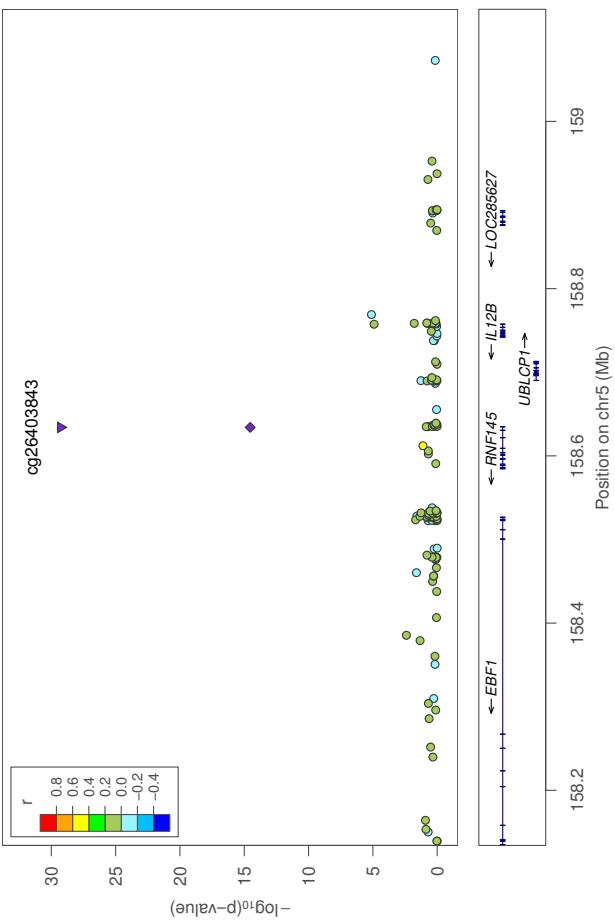
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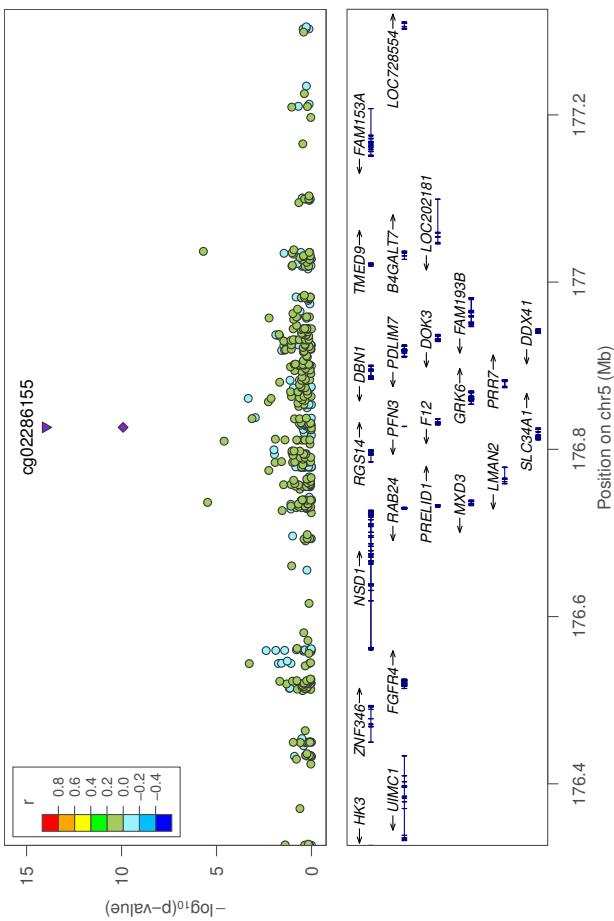
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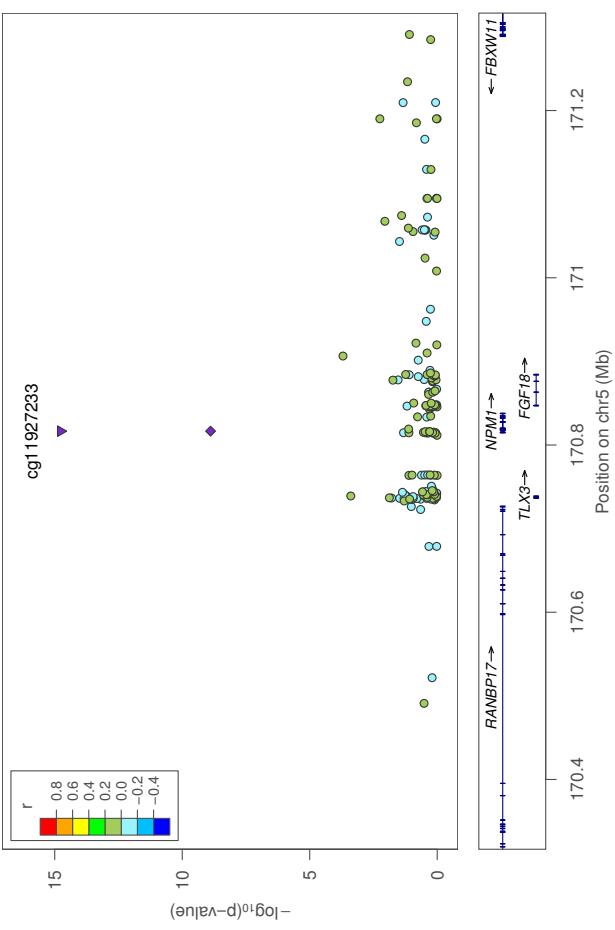
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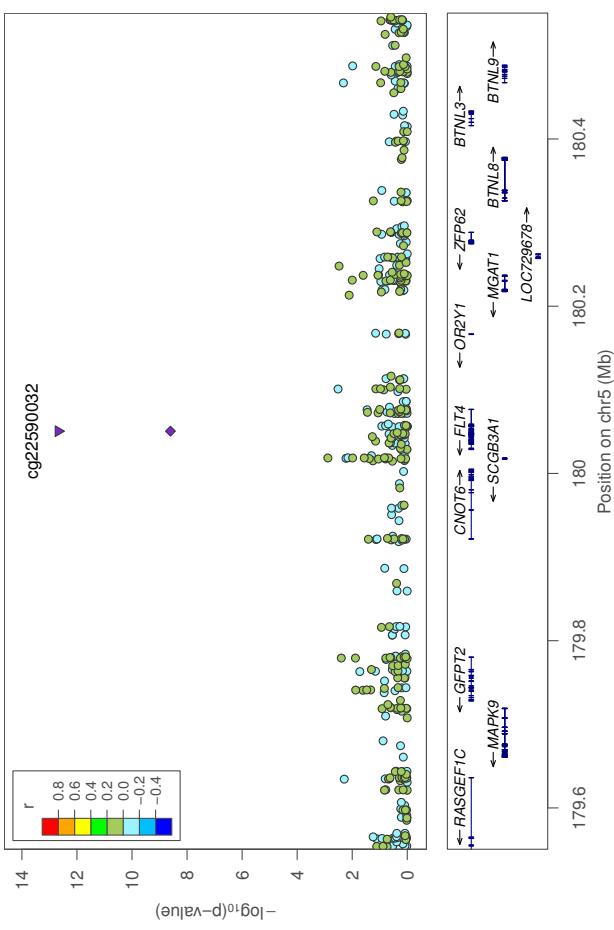
SLC34A1



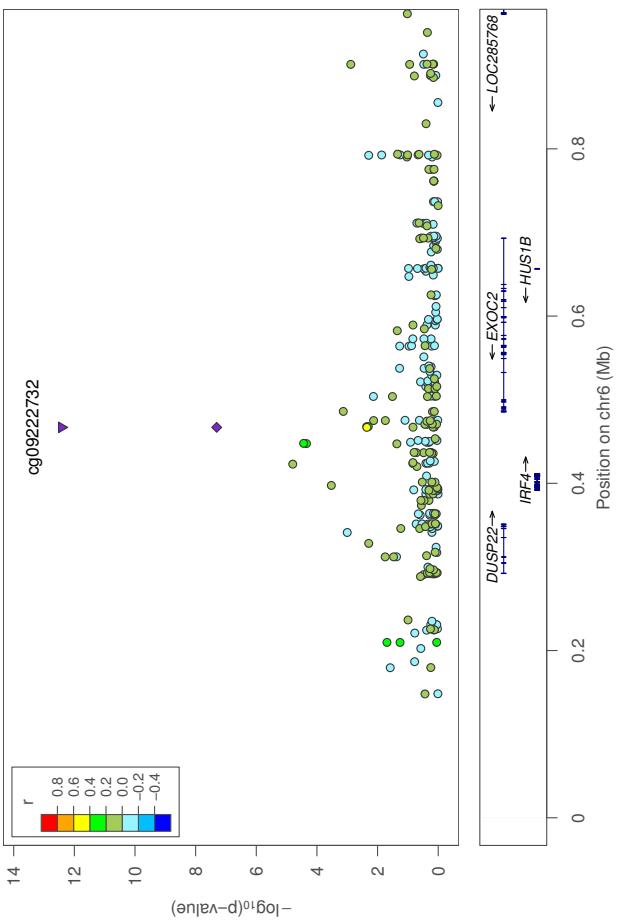
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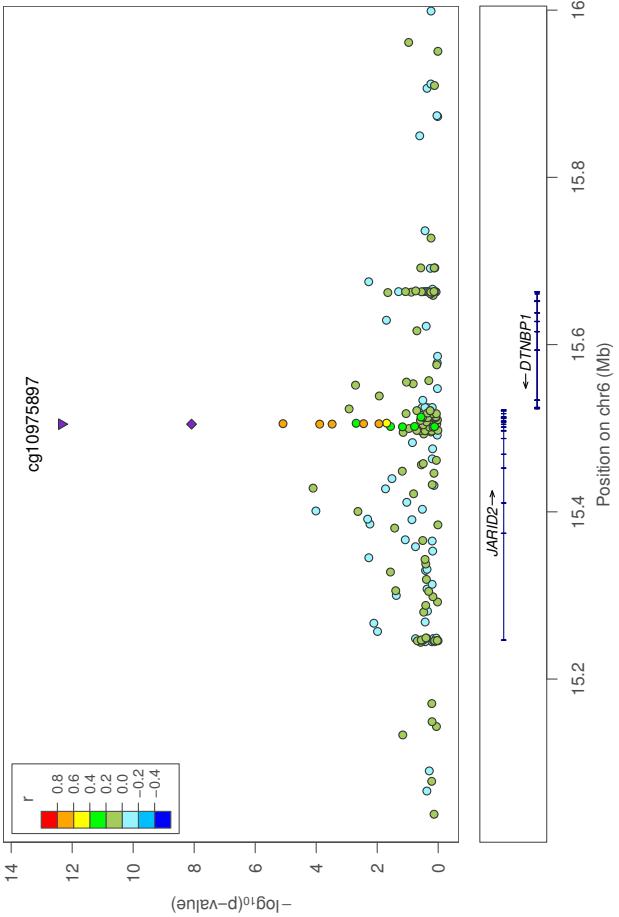
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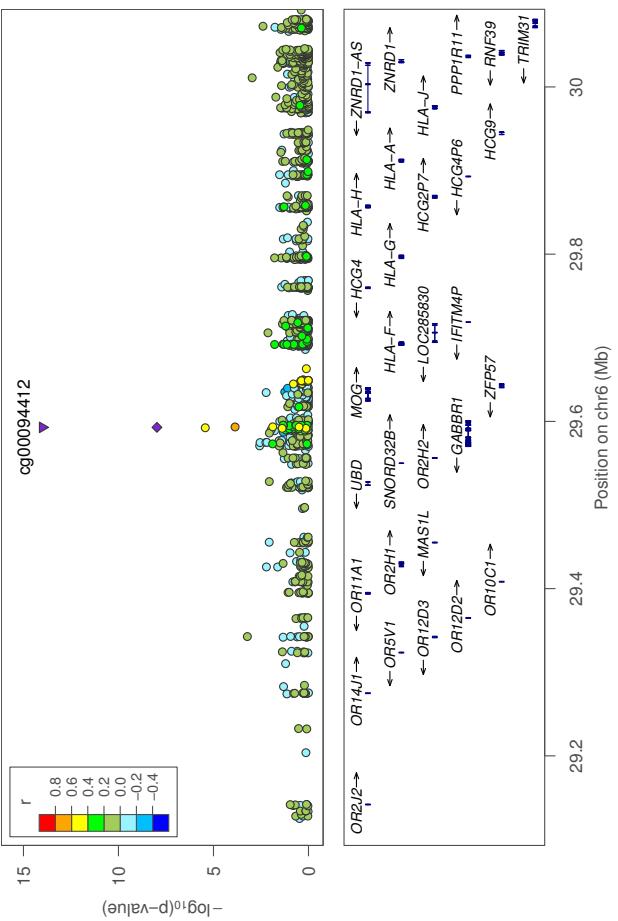
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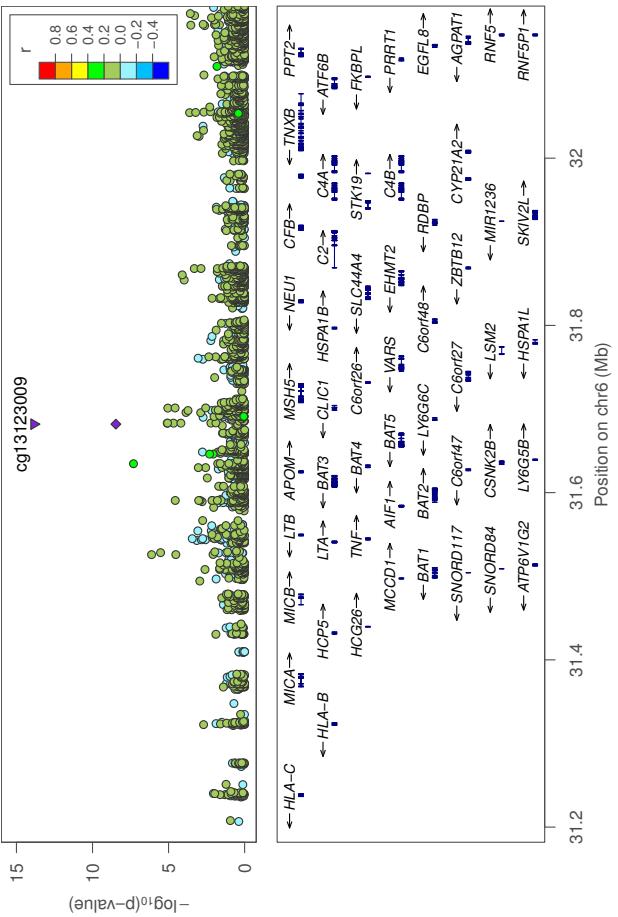
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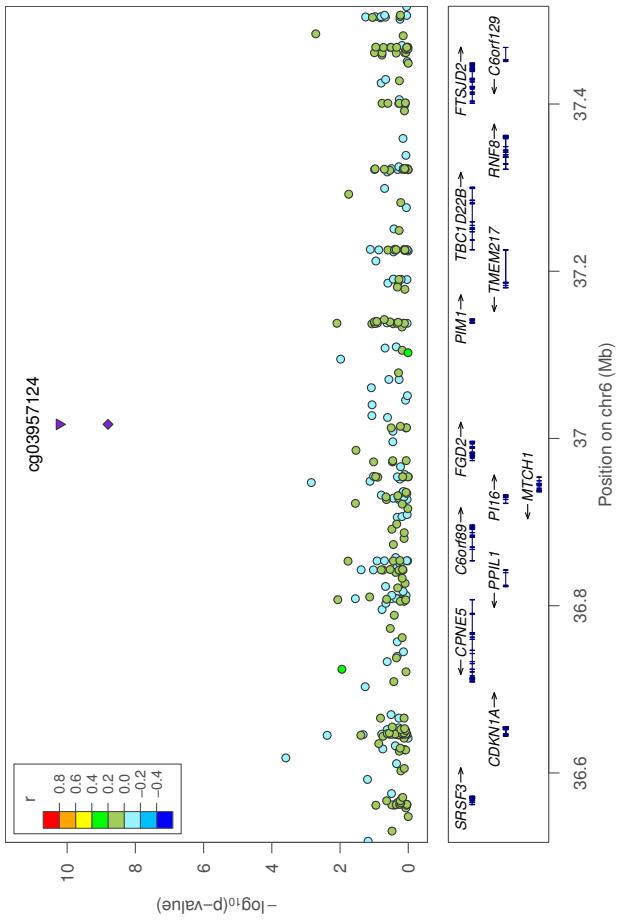
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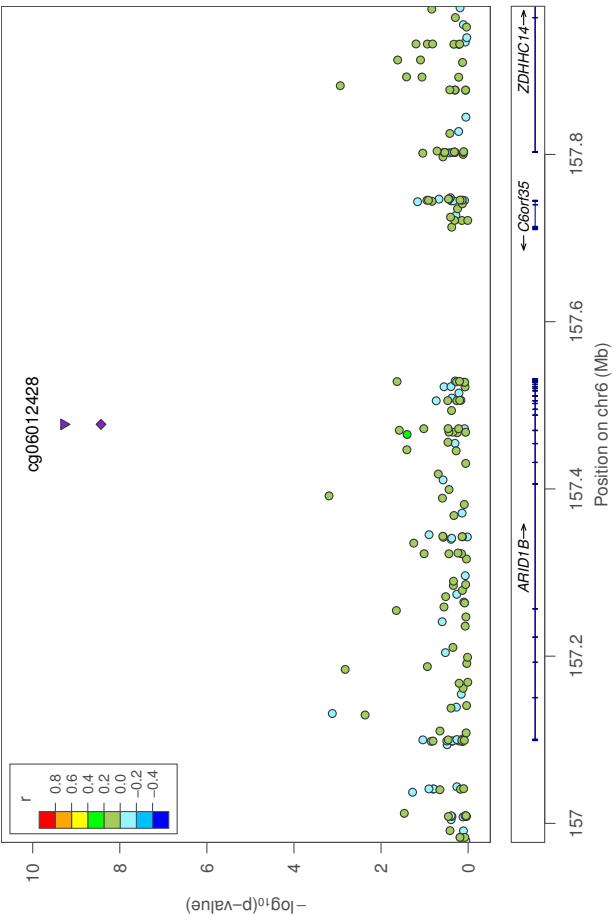
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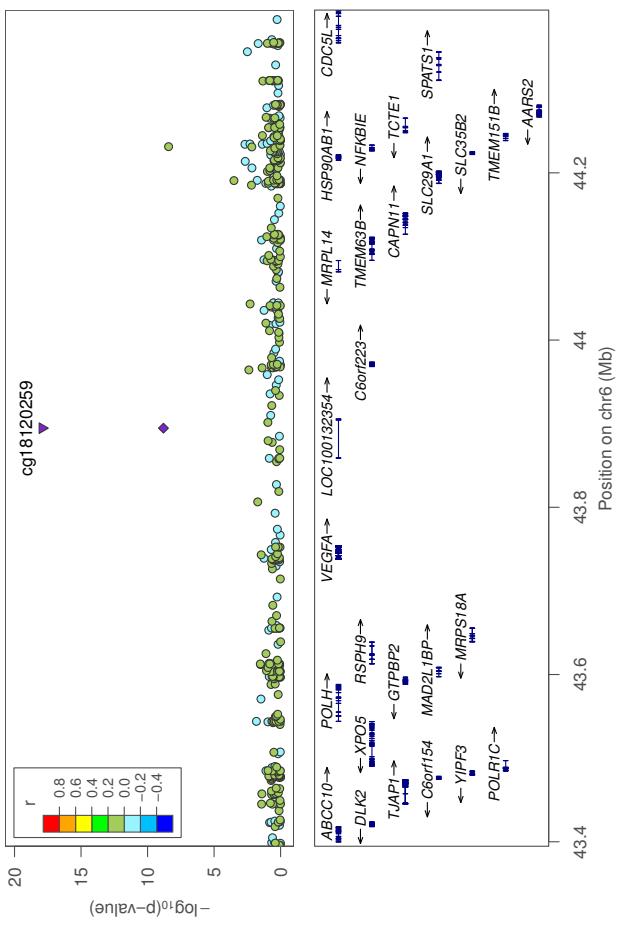
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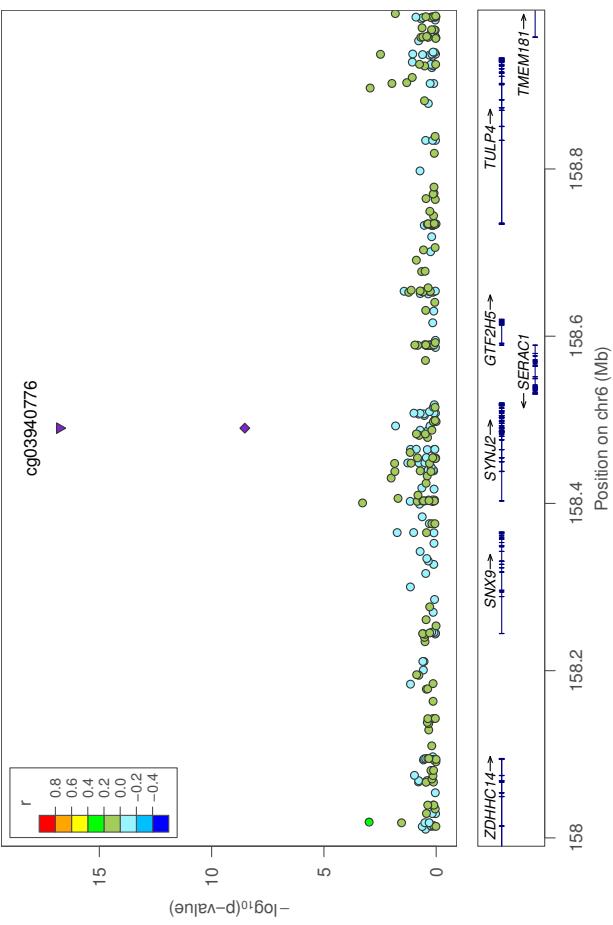
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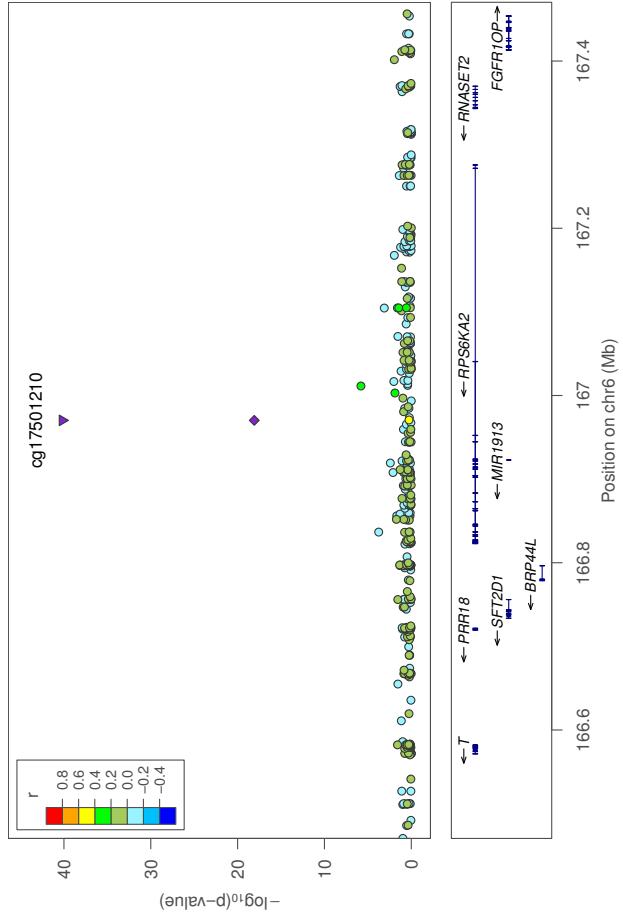
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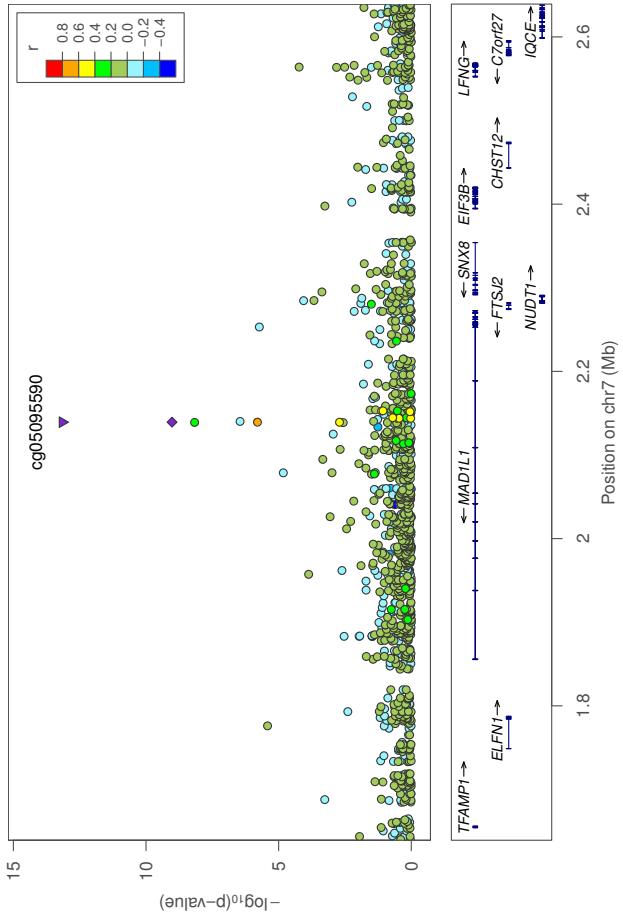
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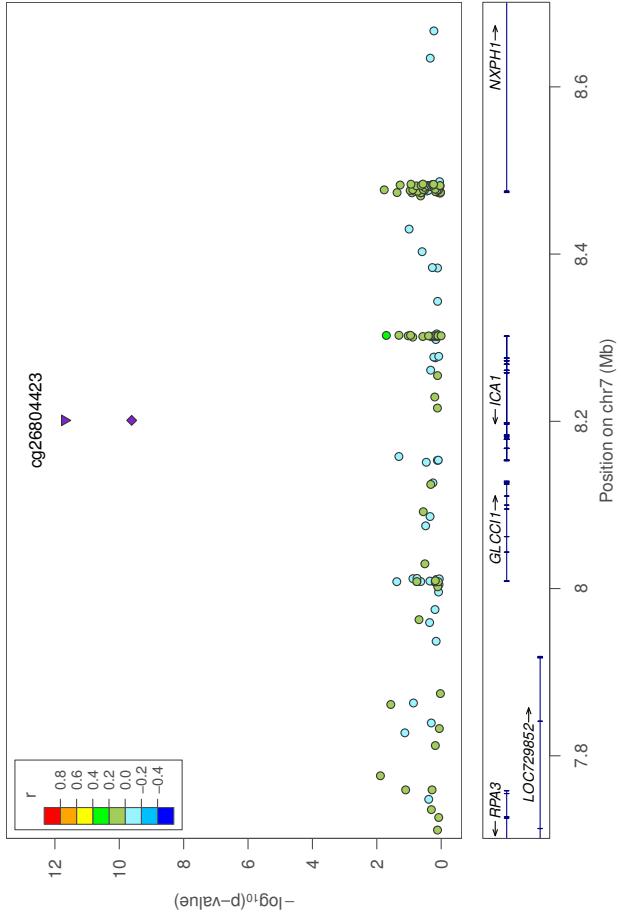
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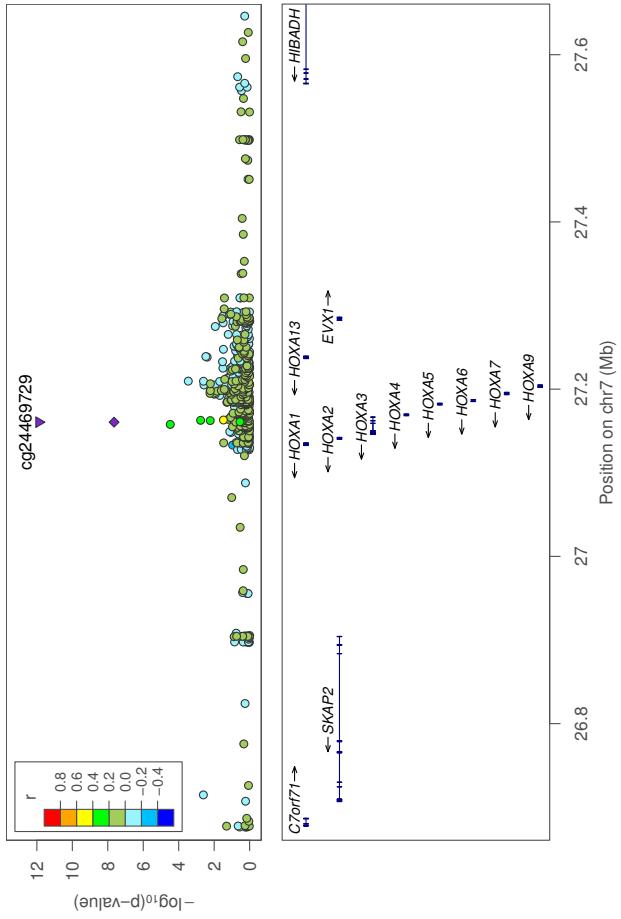
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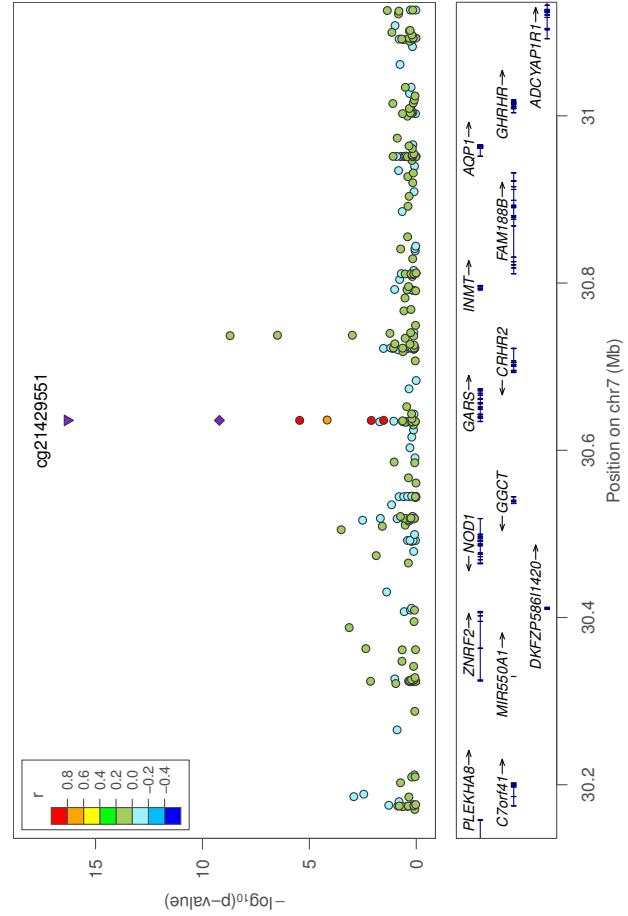
ICA1



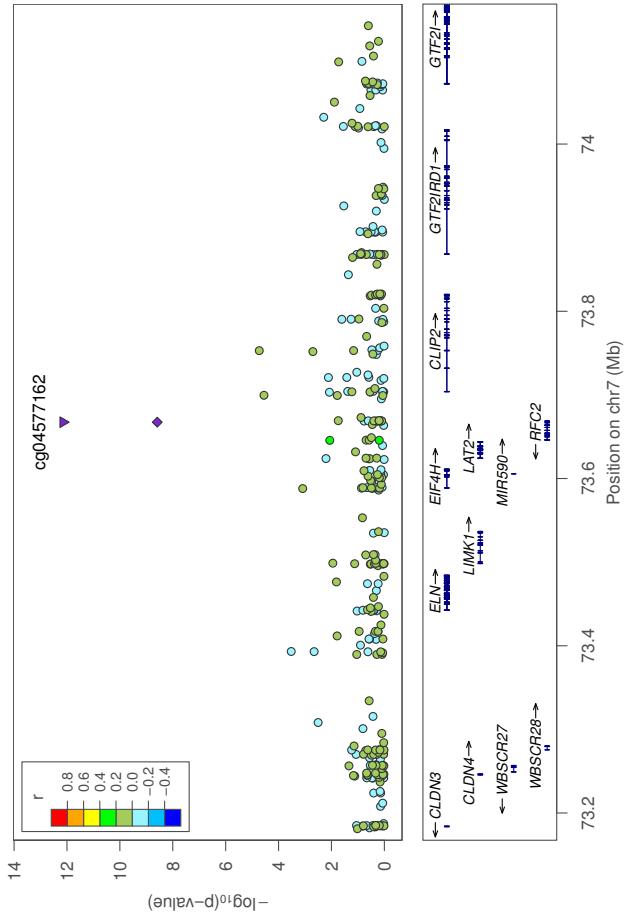
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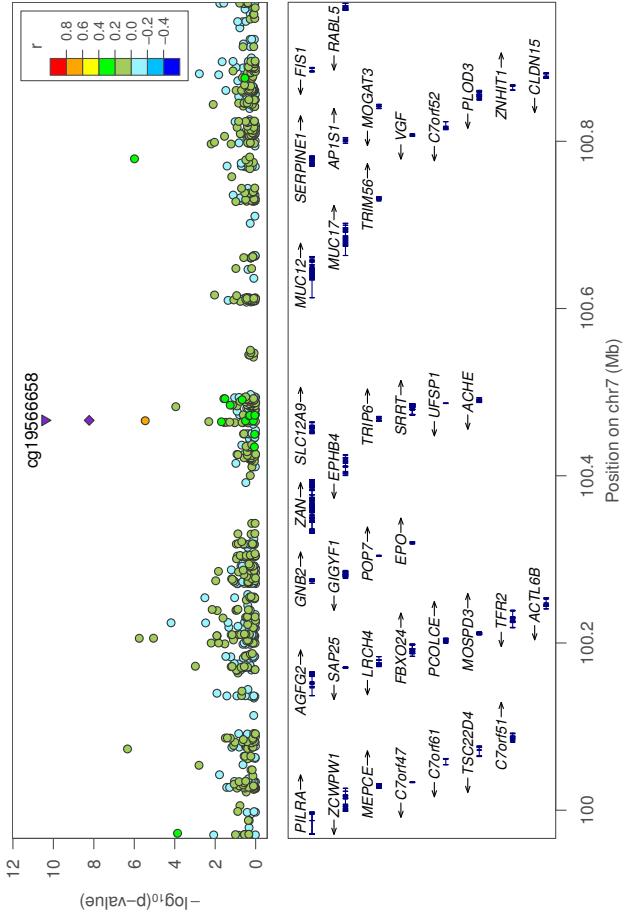
GARS



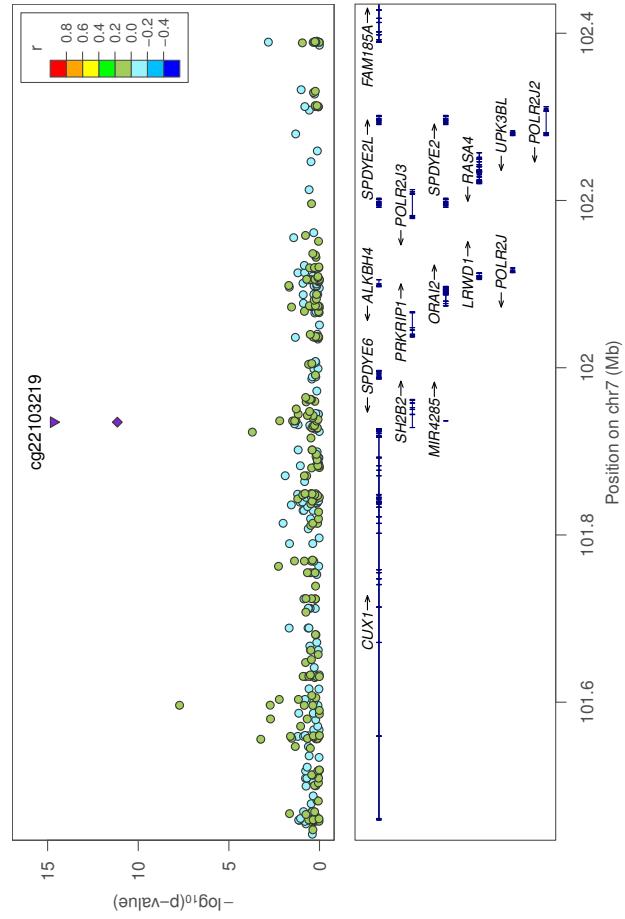
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TRIP6

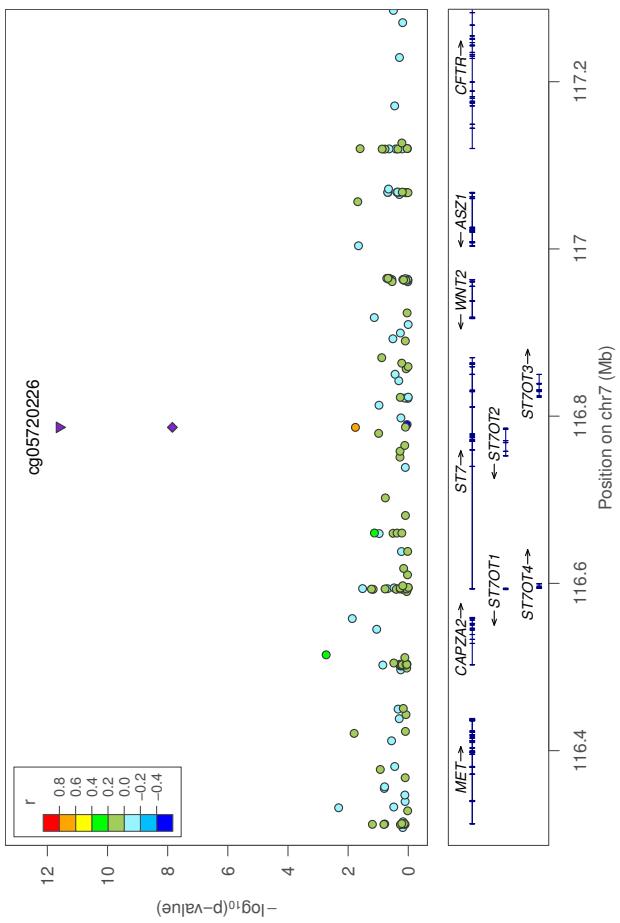


SH2B2

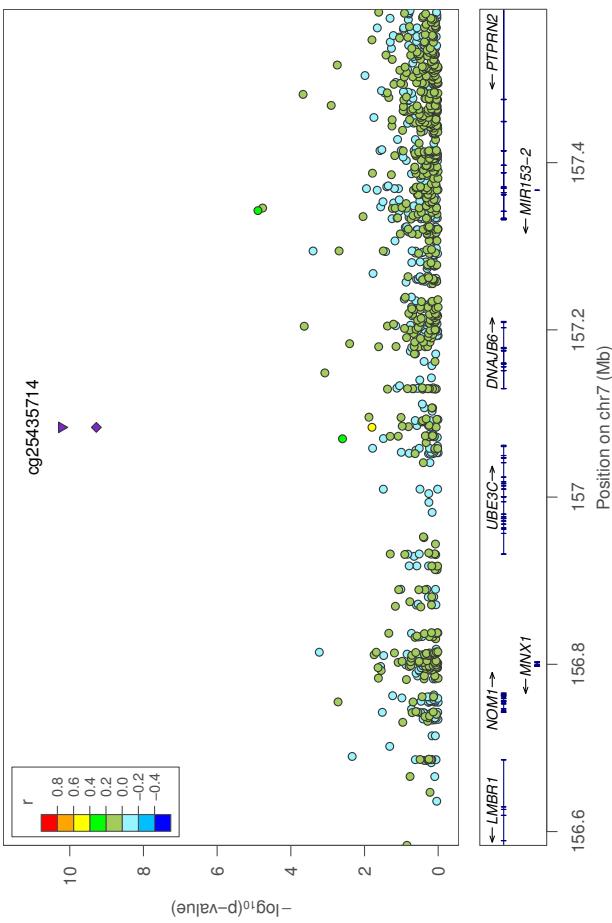


ST7

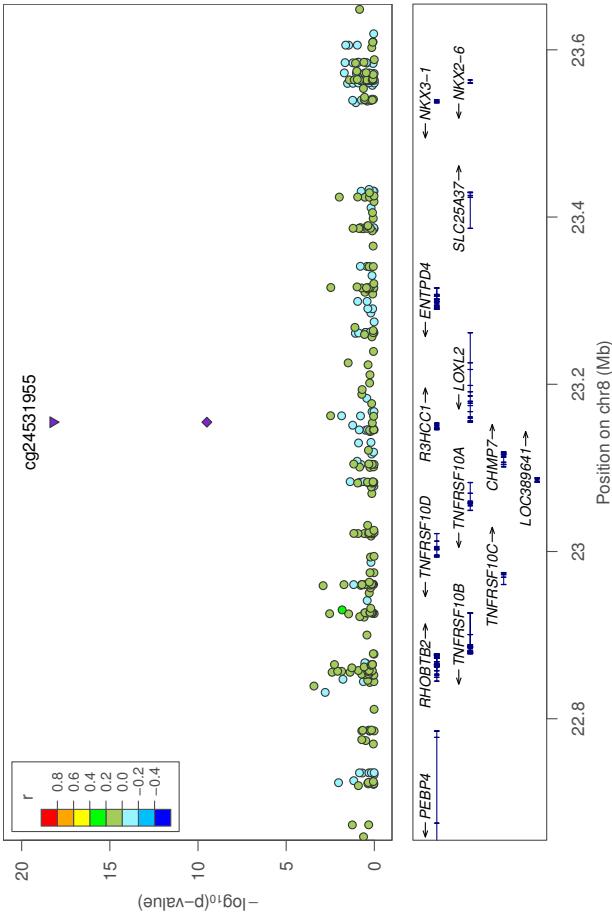
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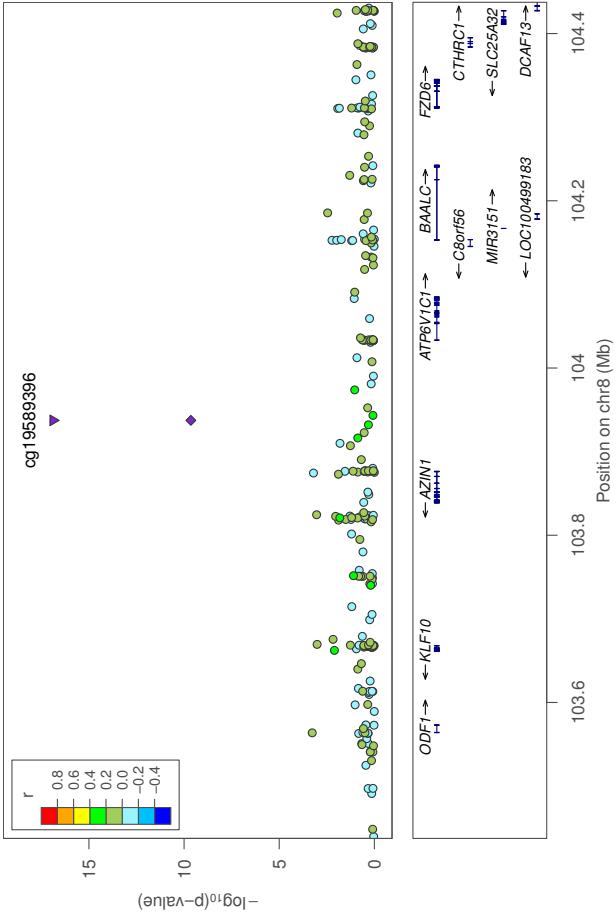
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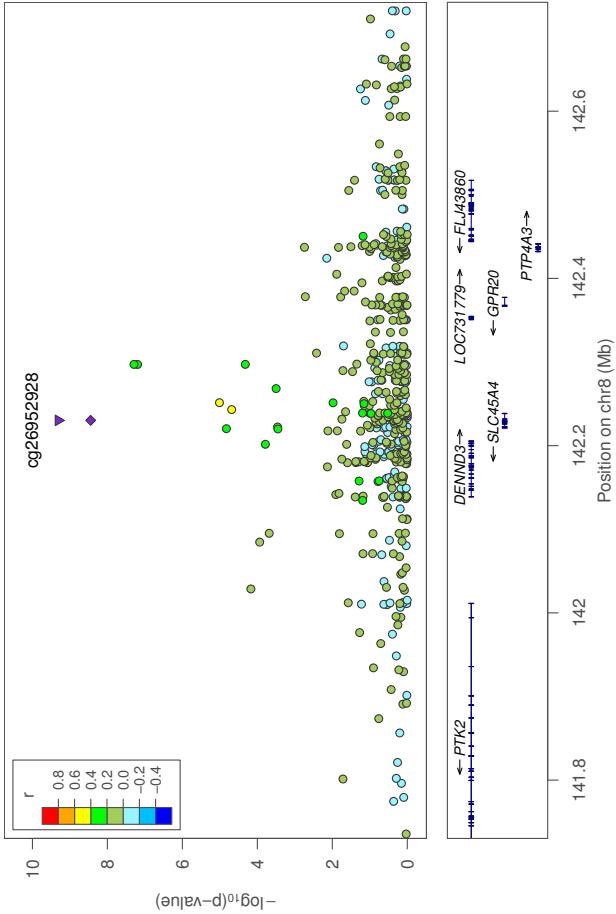
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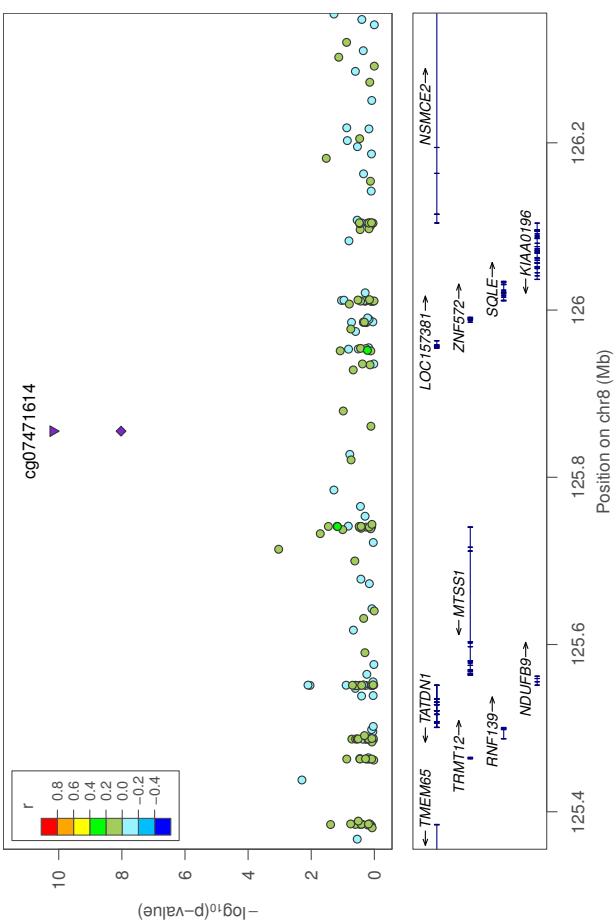
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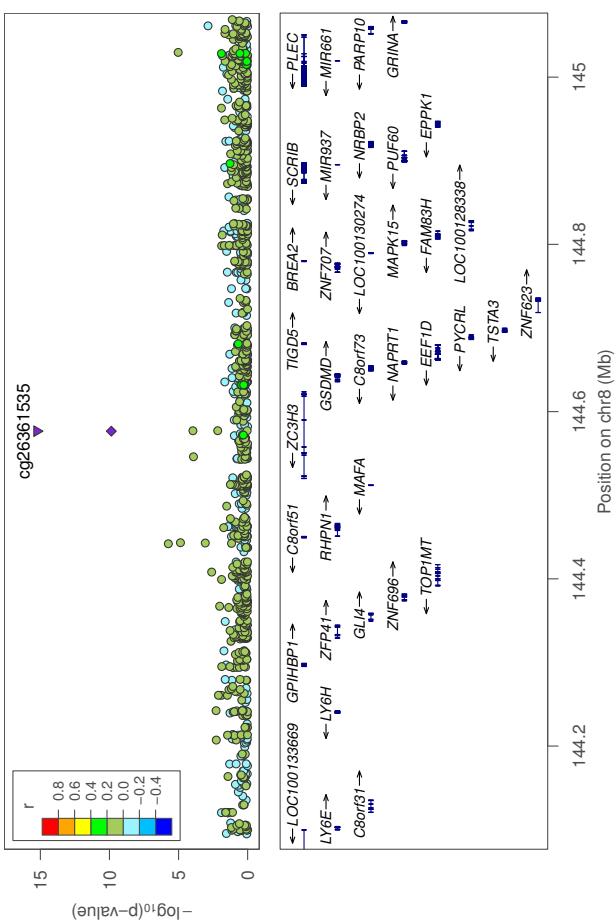
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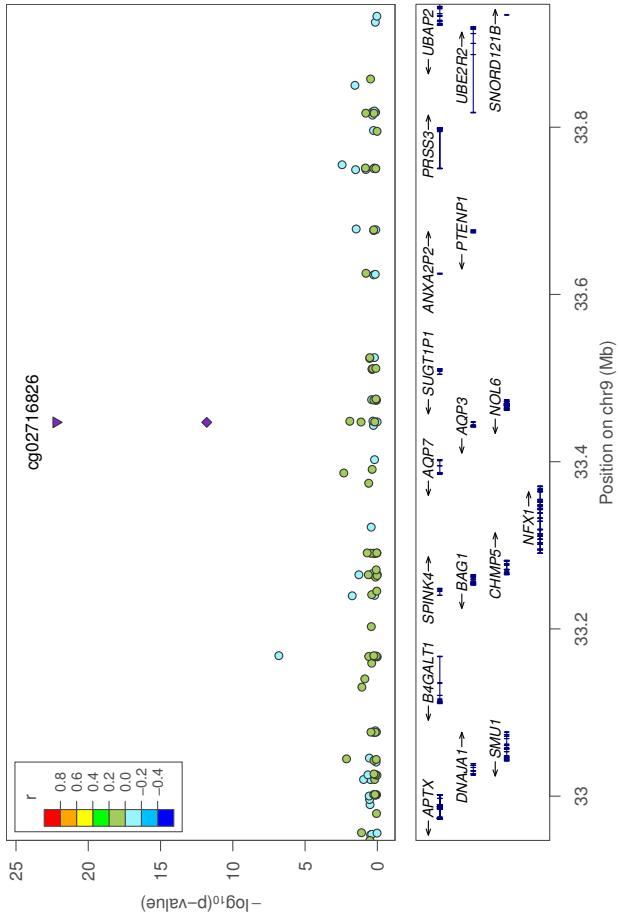
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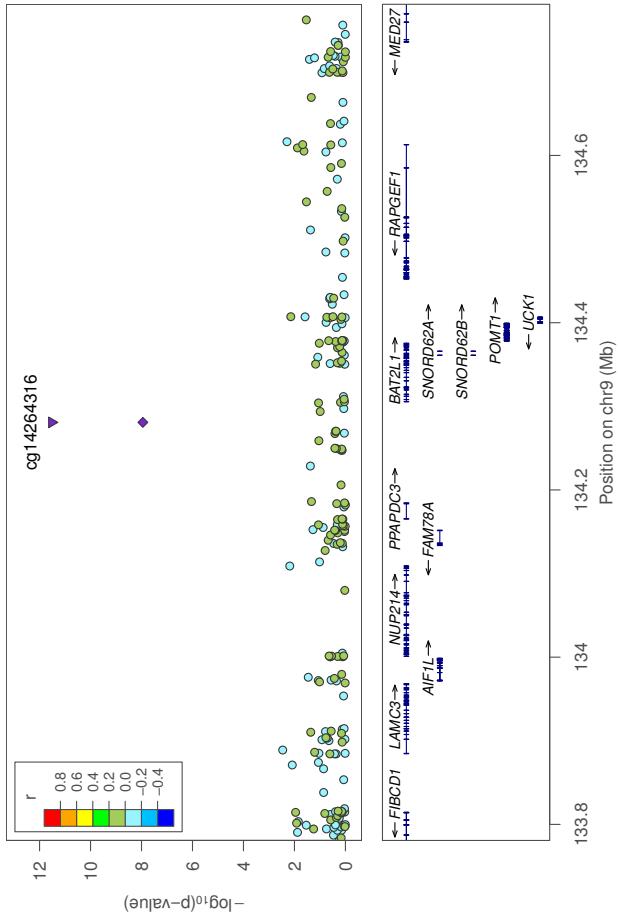
ZC3H3



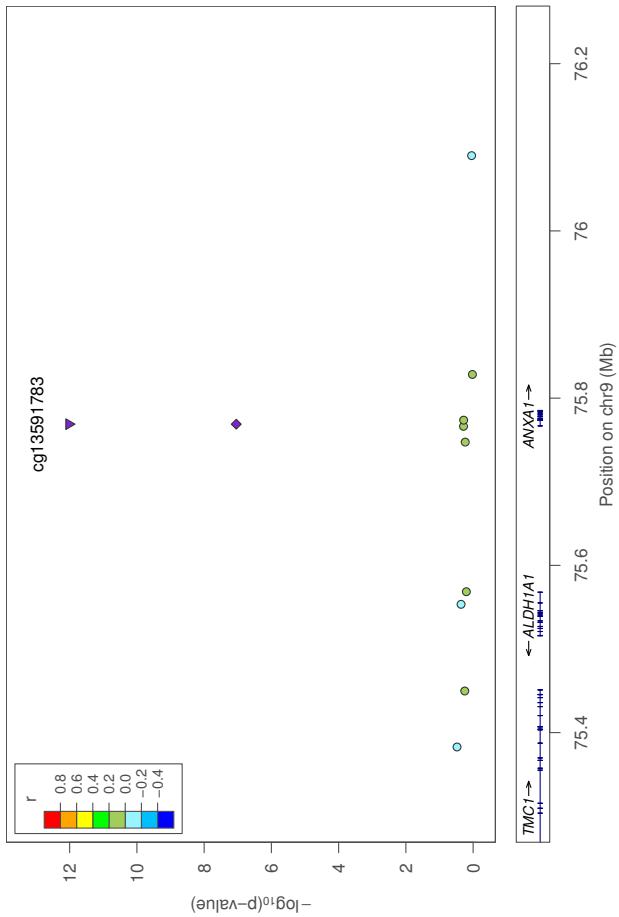
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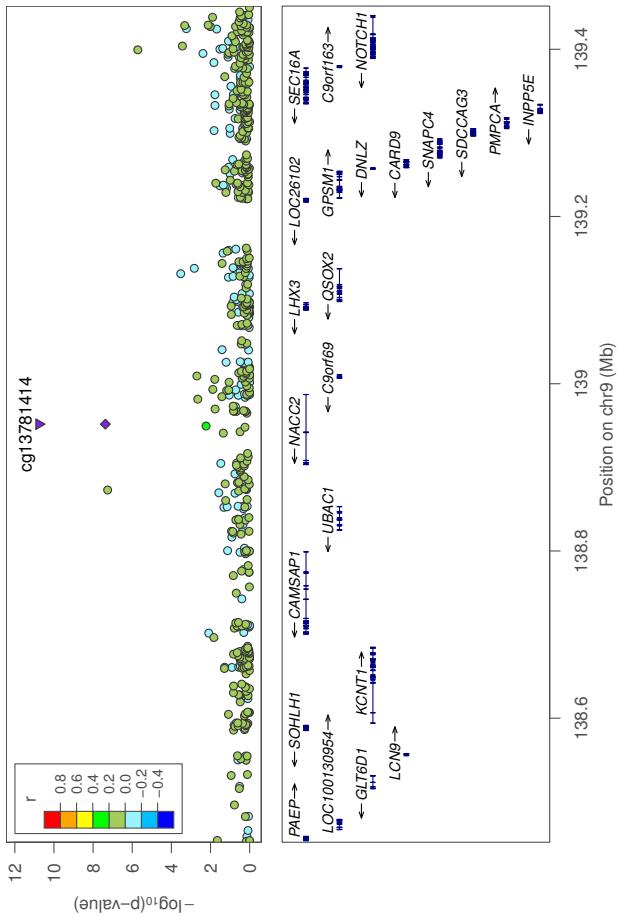
PRRC2B



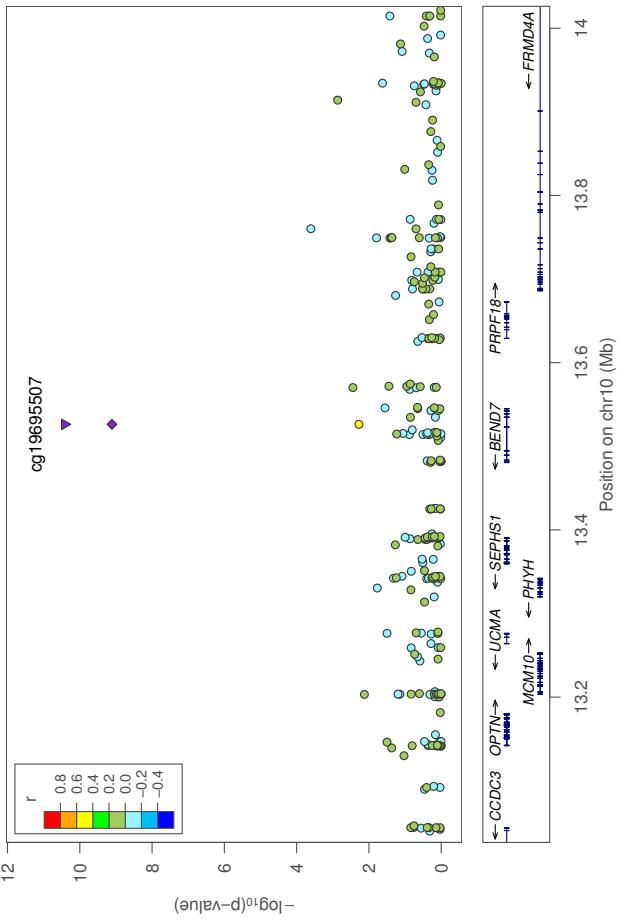
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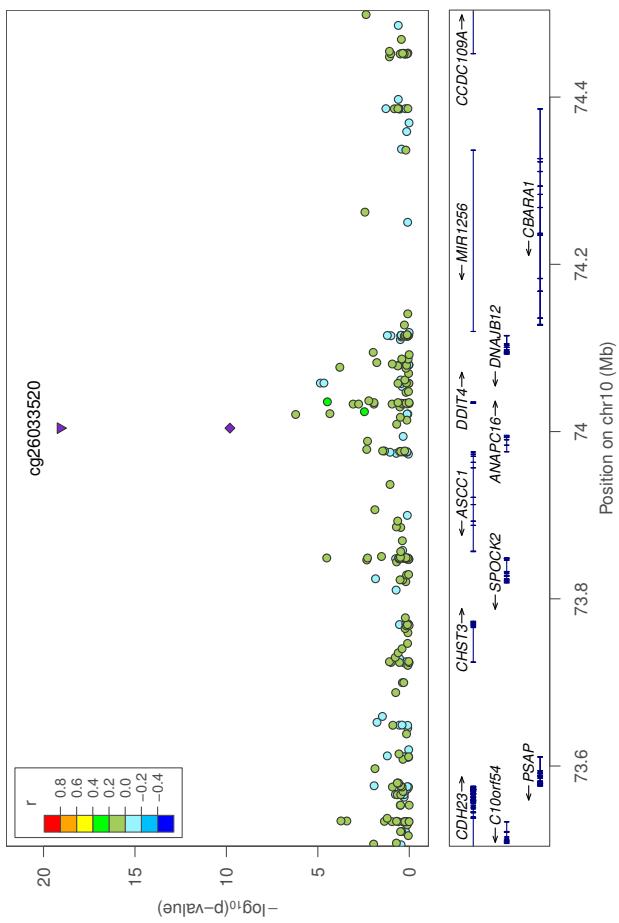
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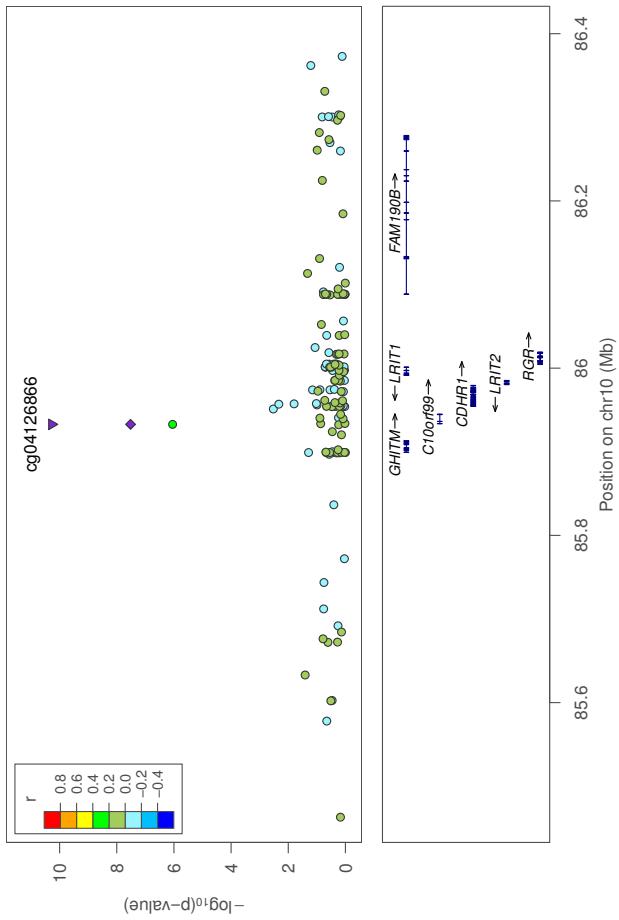
BEND7



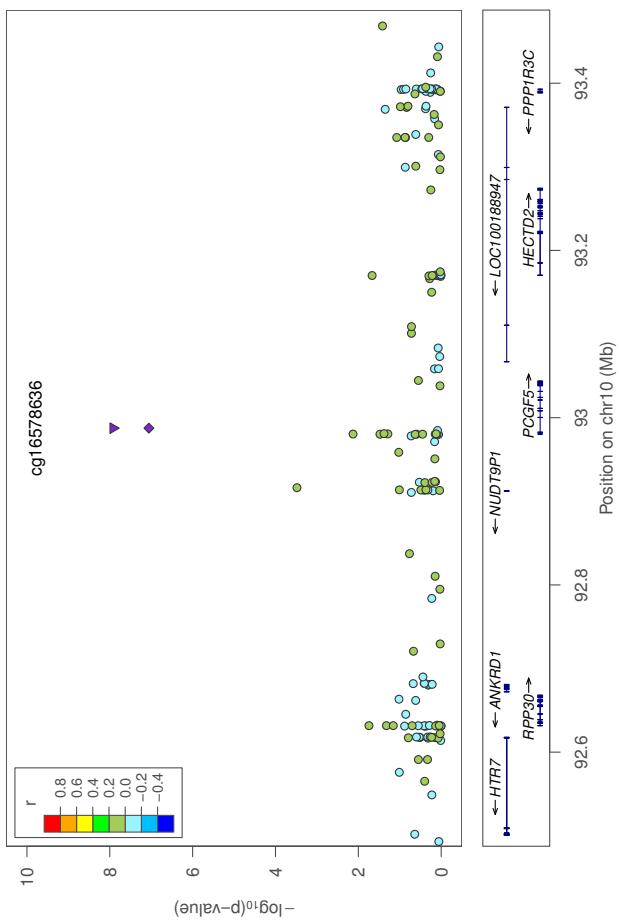
ANAPC16



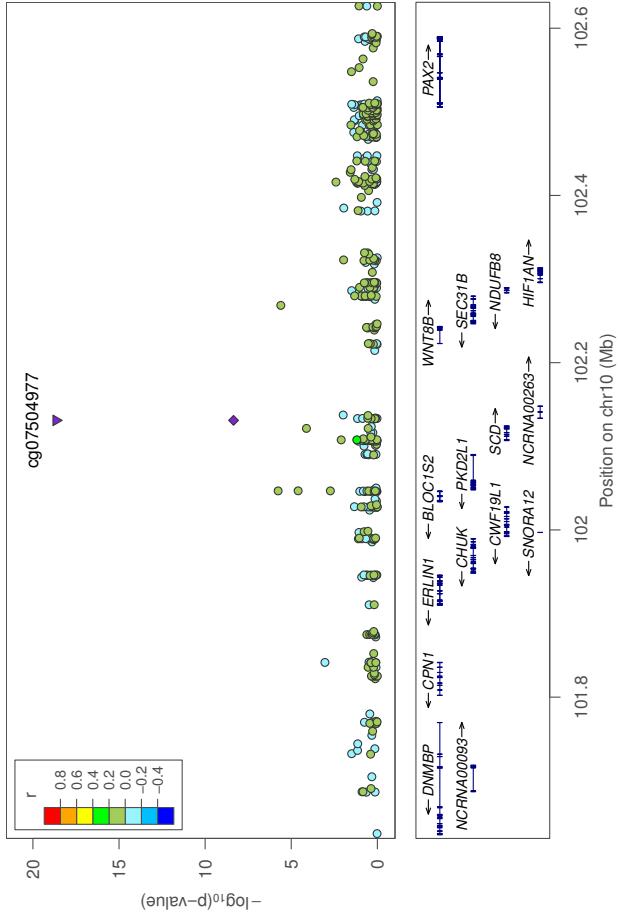
C10orf99



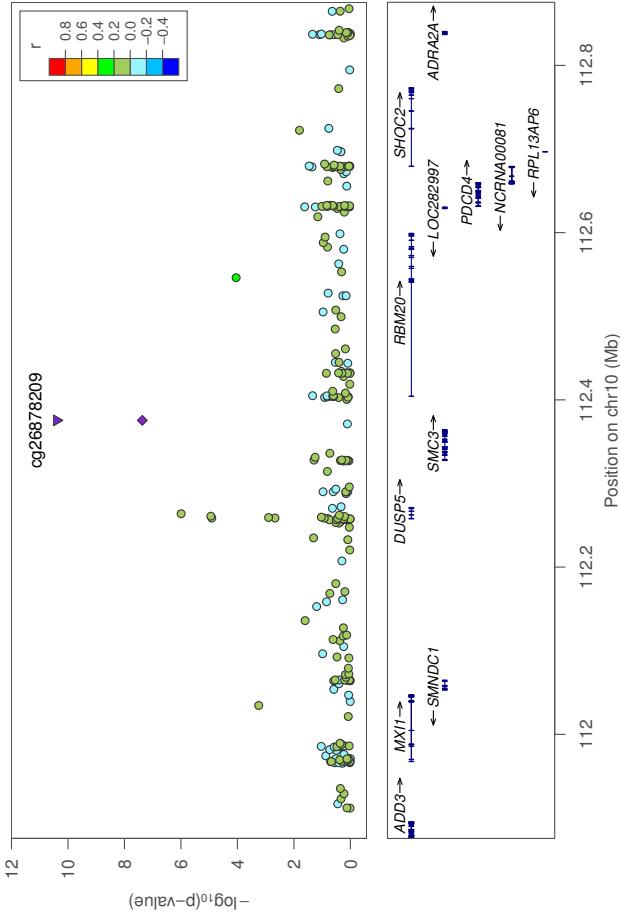
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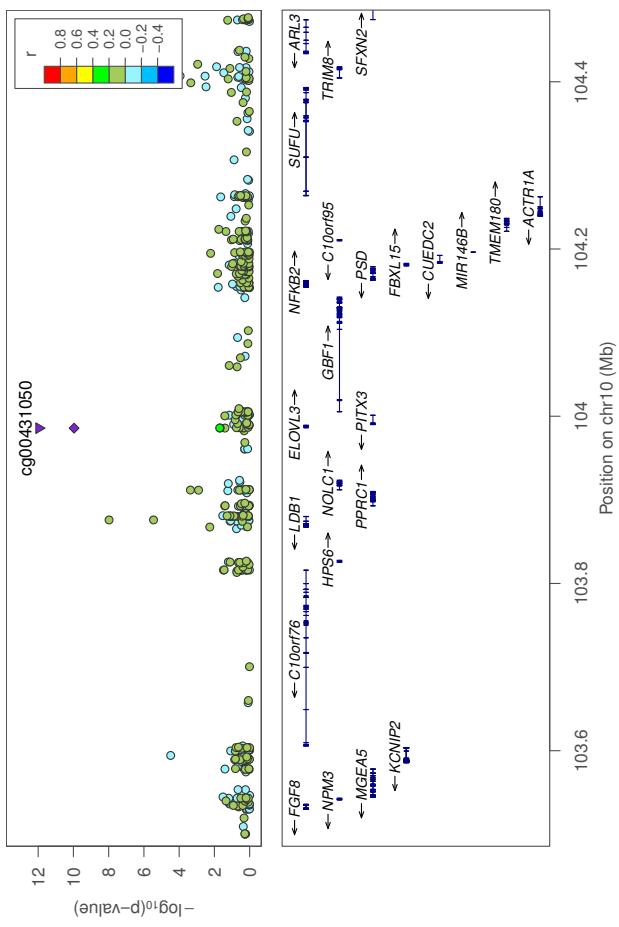
LINC00263



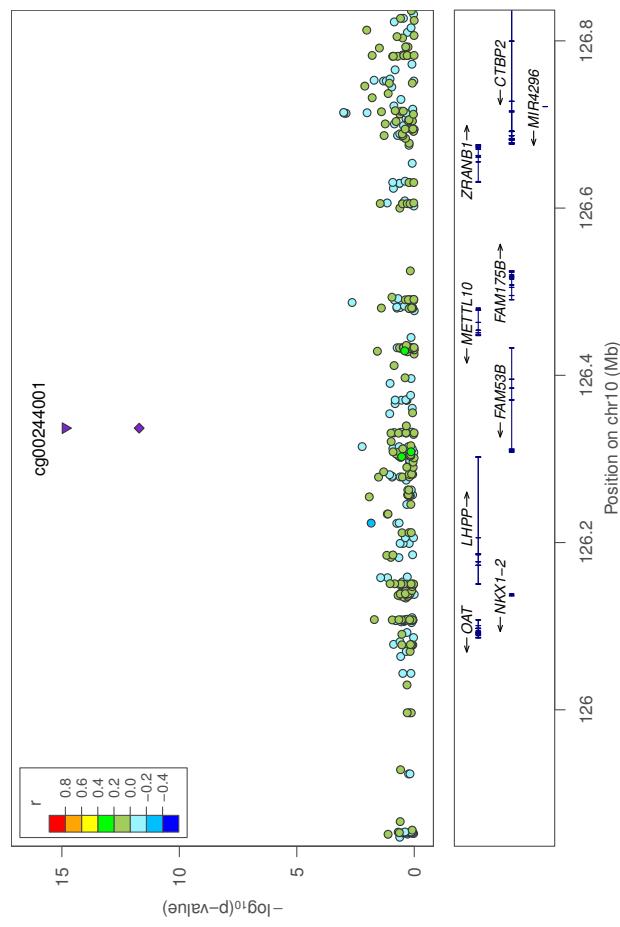
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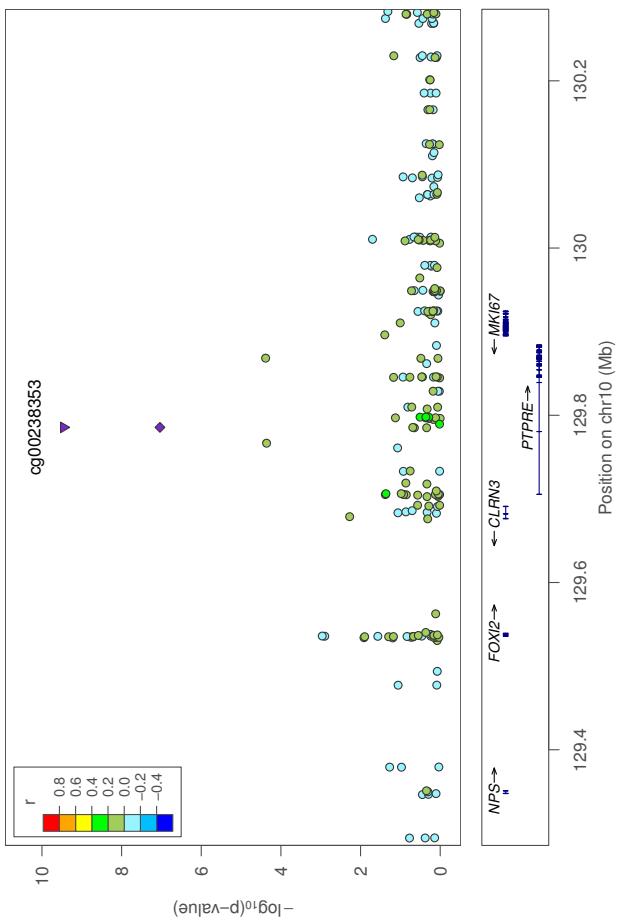
ELOVL3



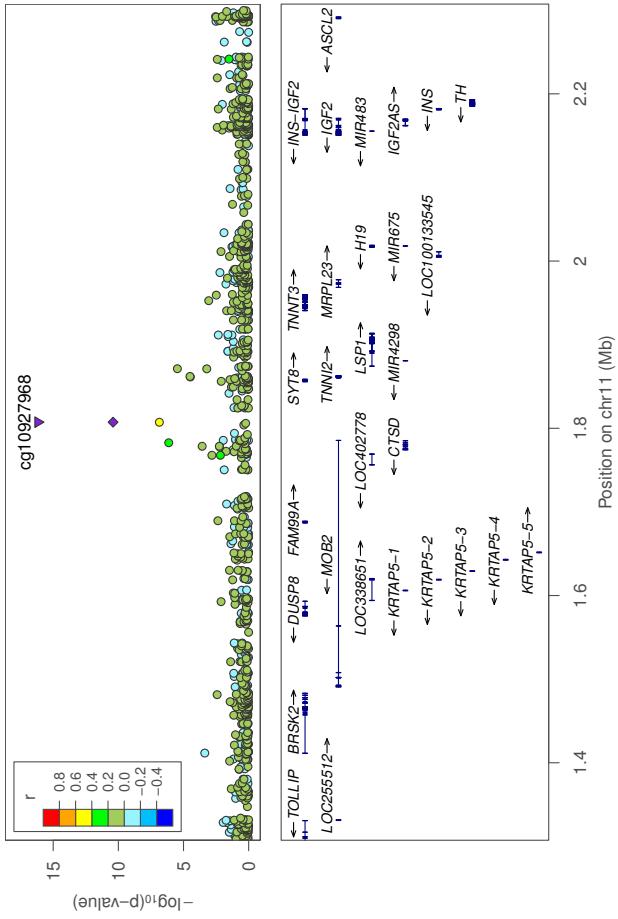
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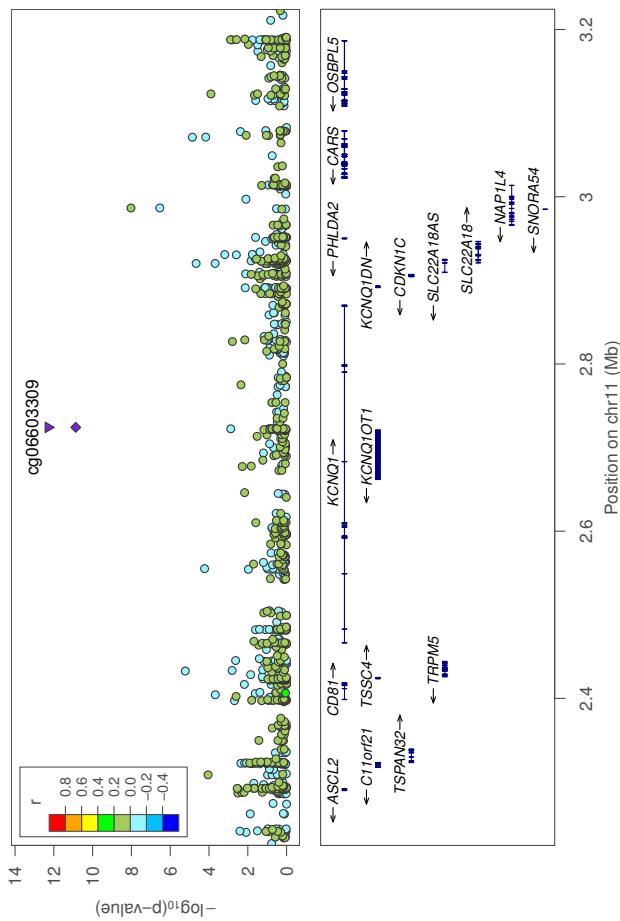
PTPRE



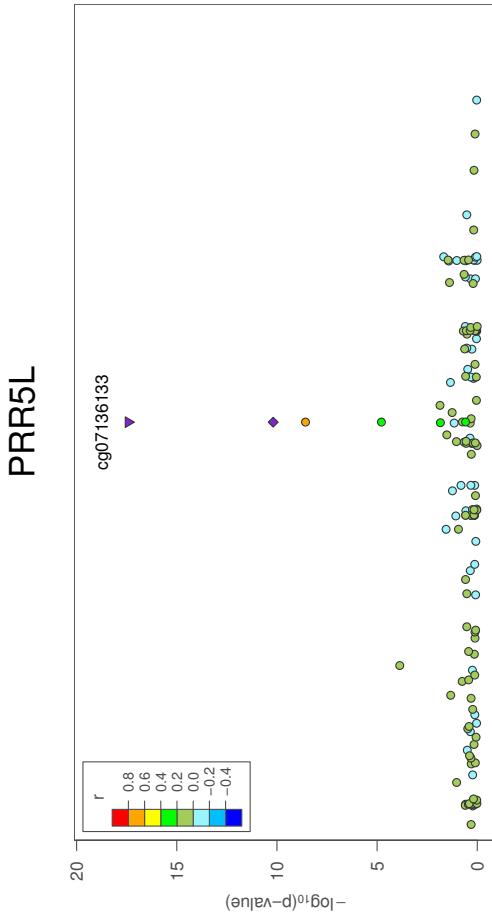
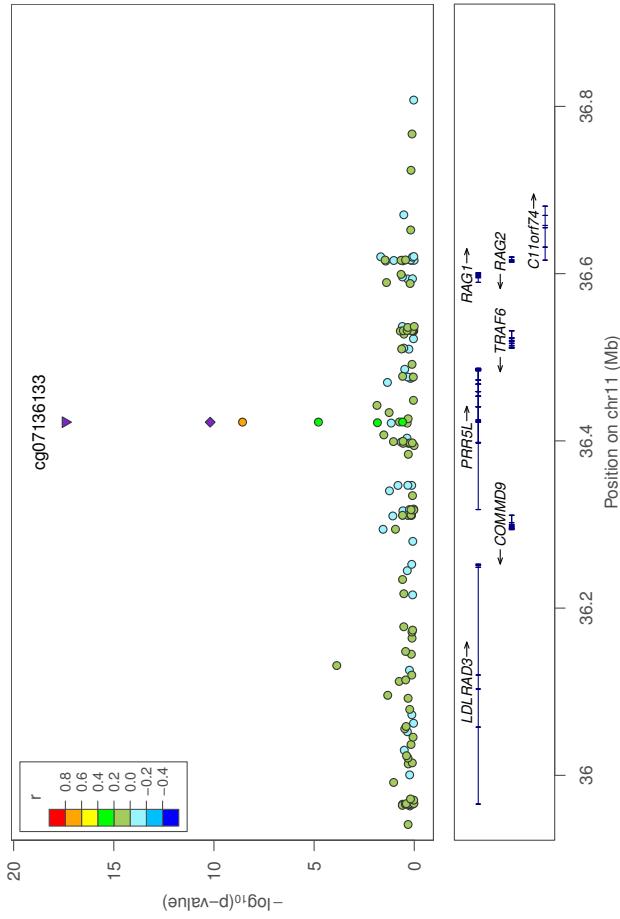
CTSD



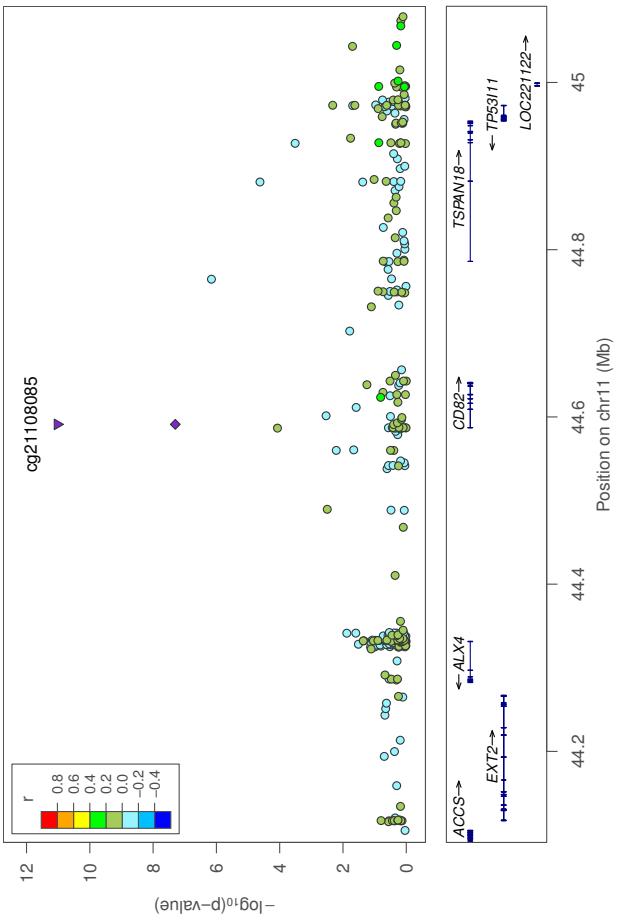
KCNQ1



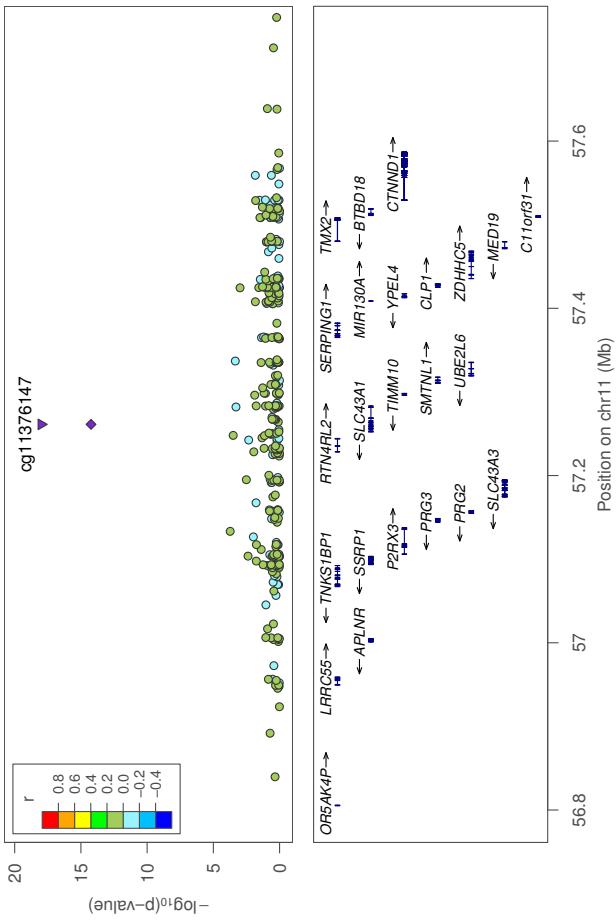
PRR5L



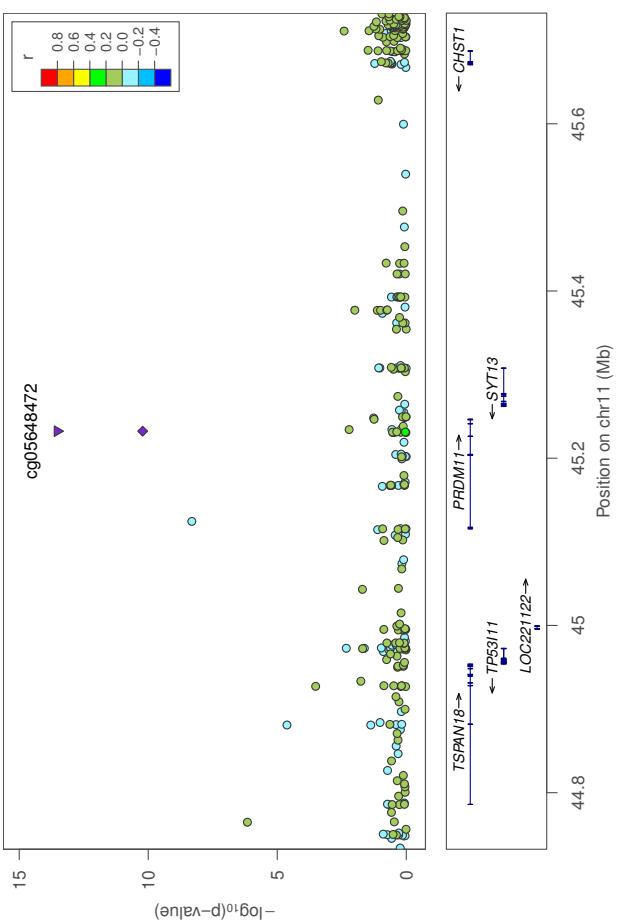
CD82



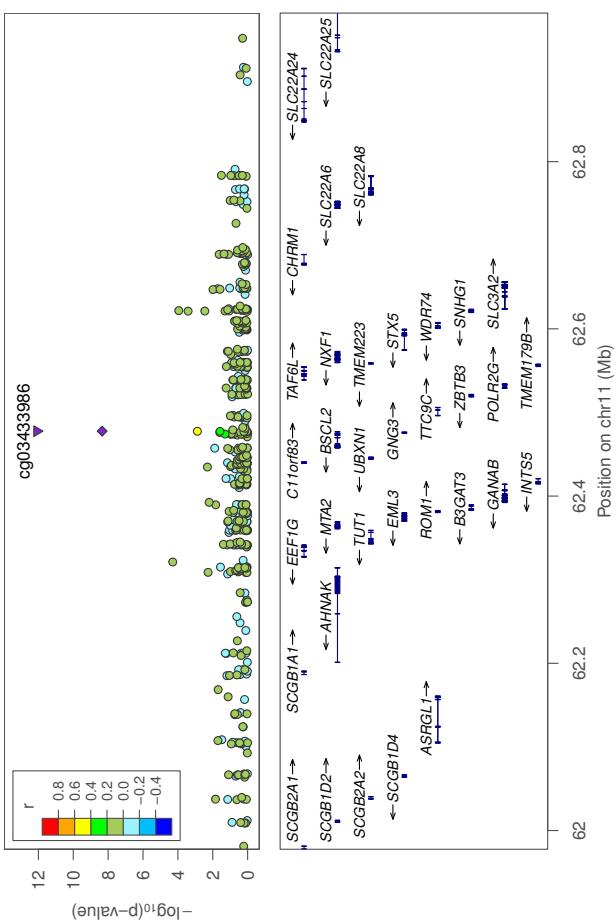
SLC43A1



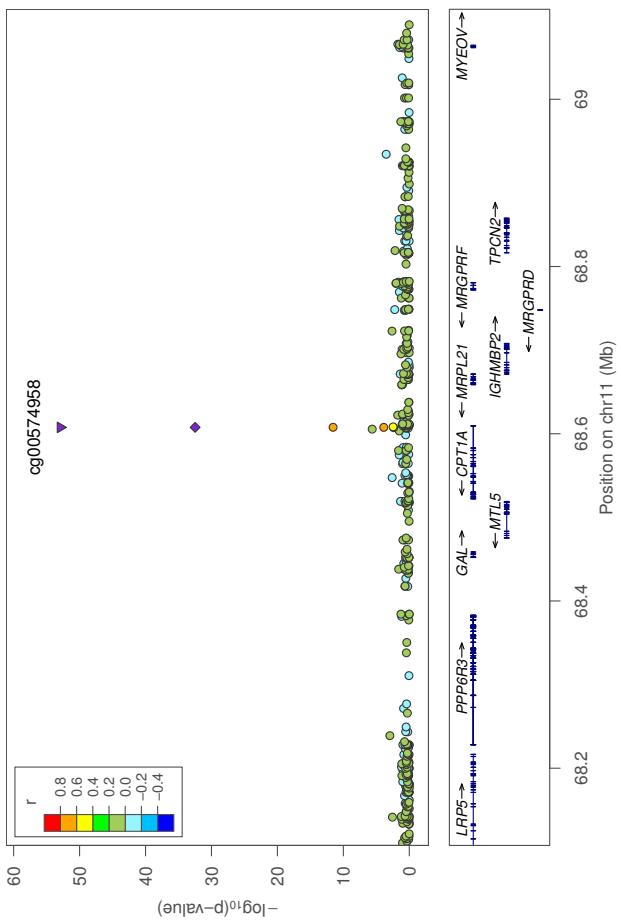
PRDM11



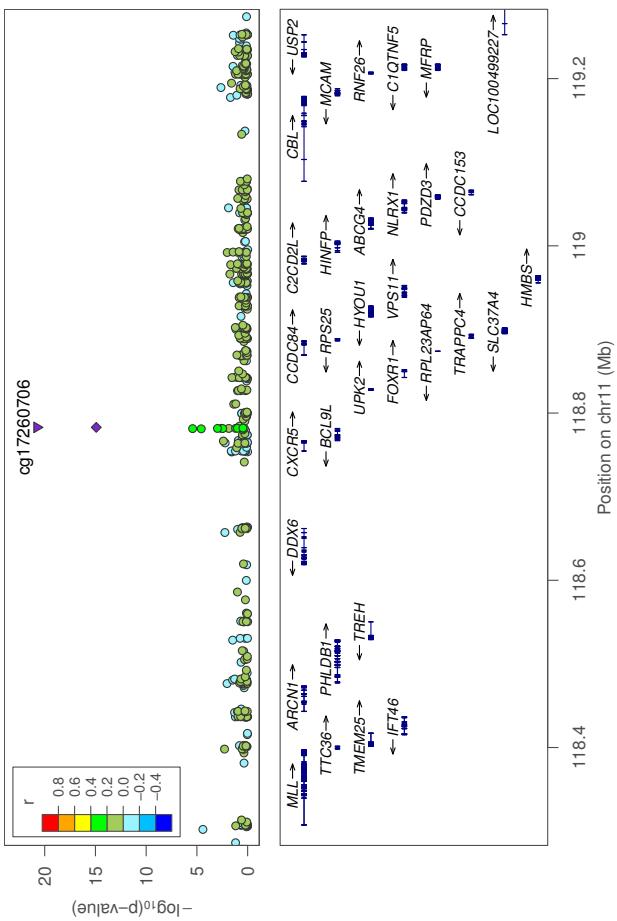
BSCL2



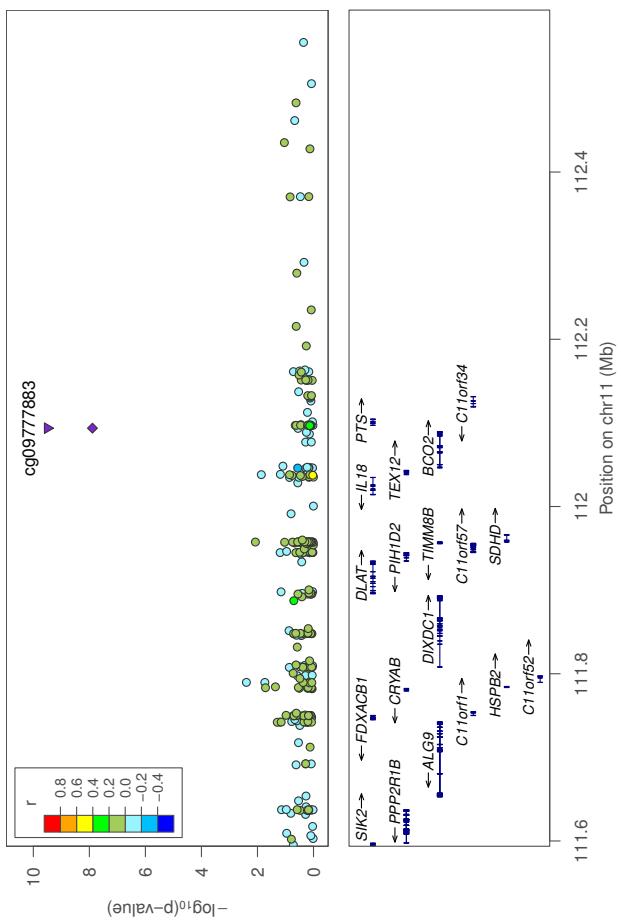
CPT1A



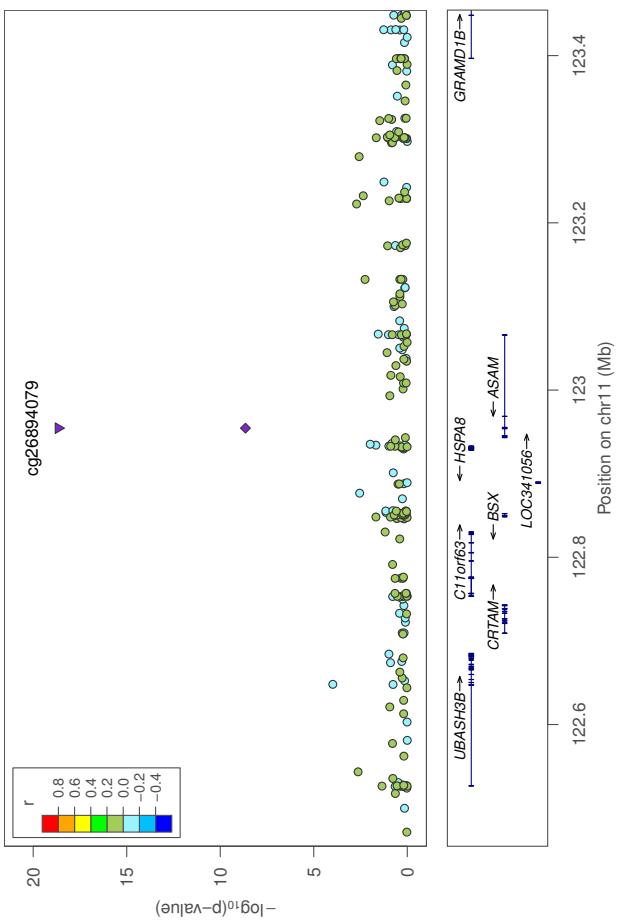
BCL9L



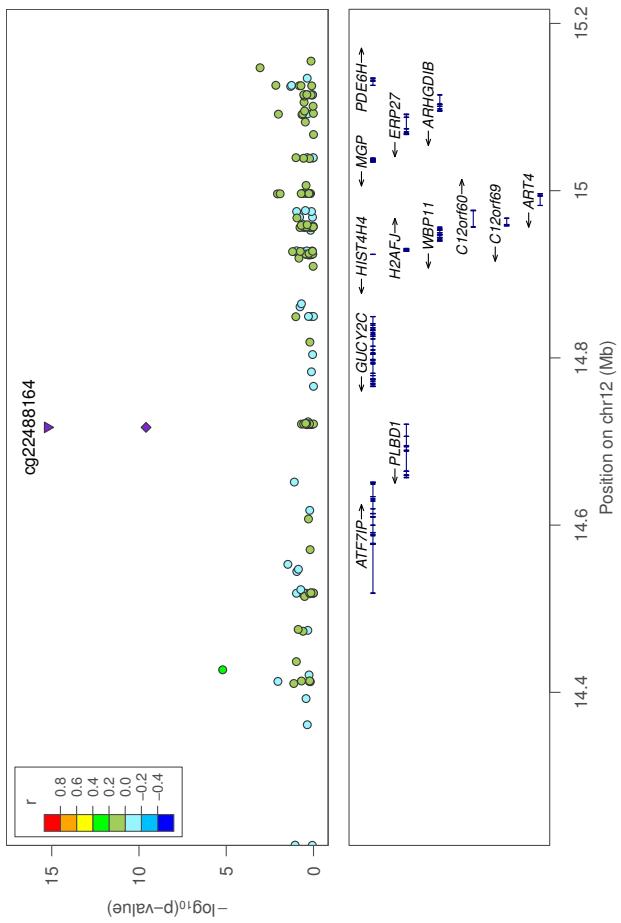
BCO2



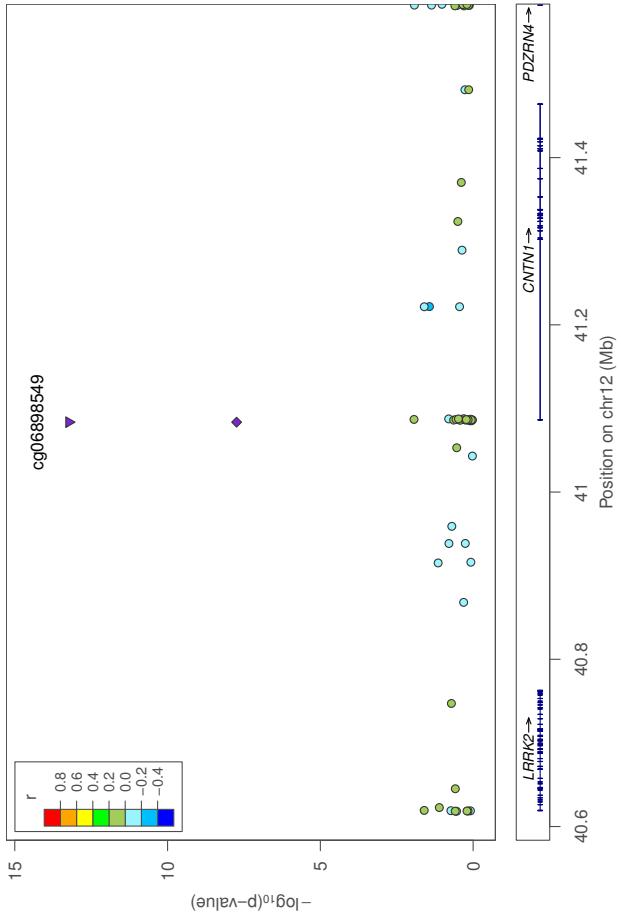
CLMP



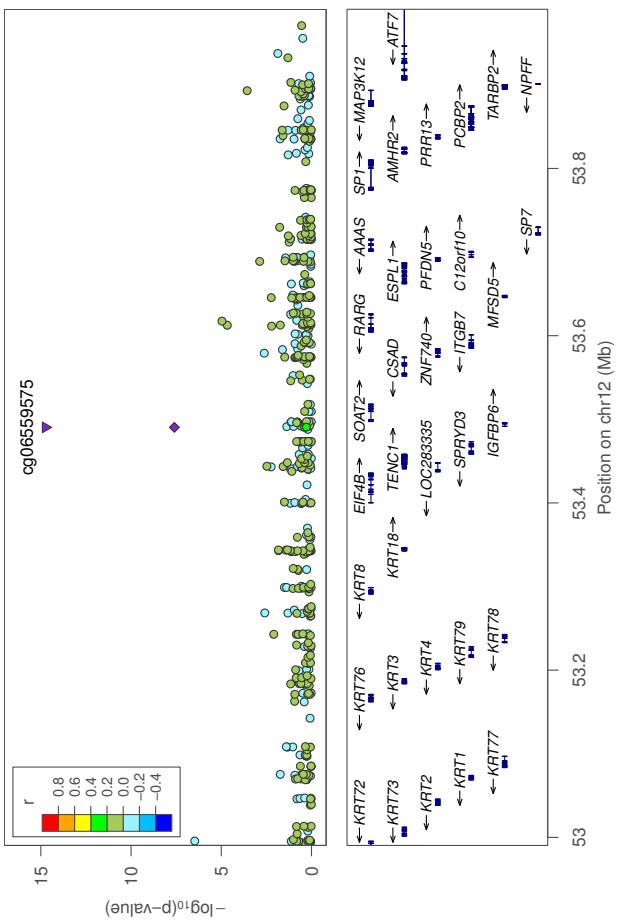
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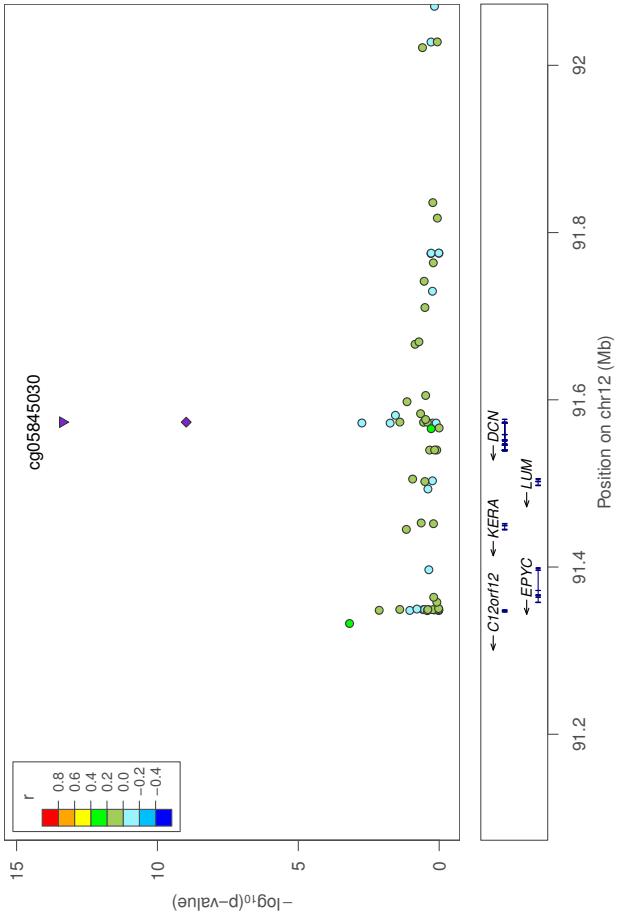
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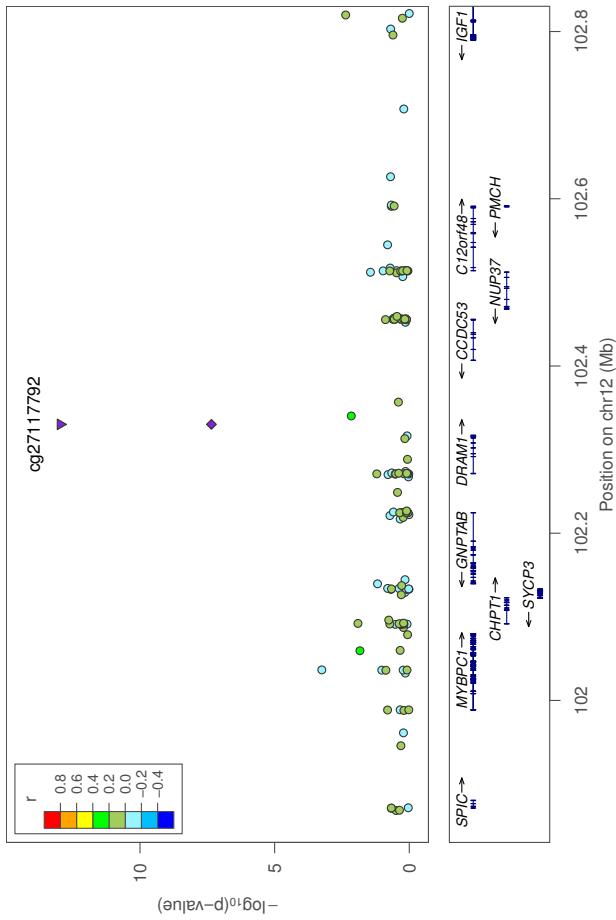
IGFBP6



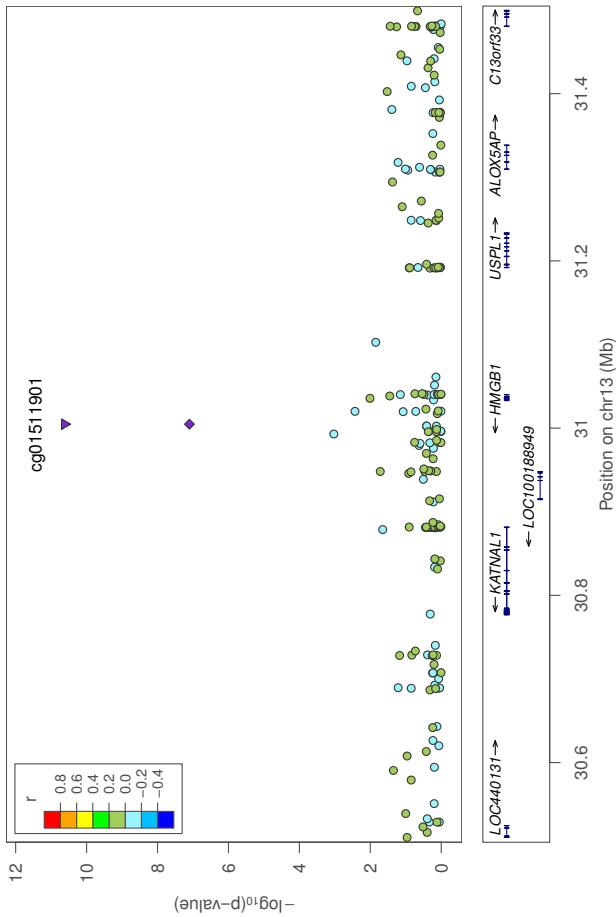
DCN



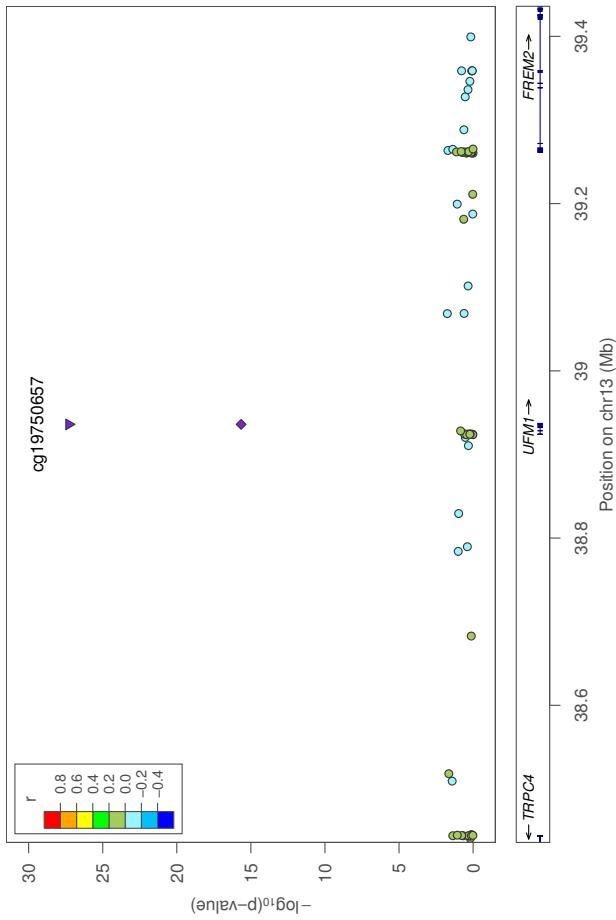
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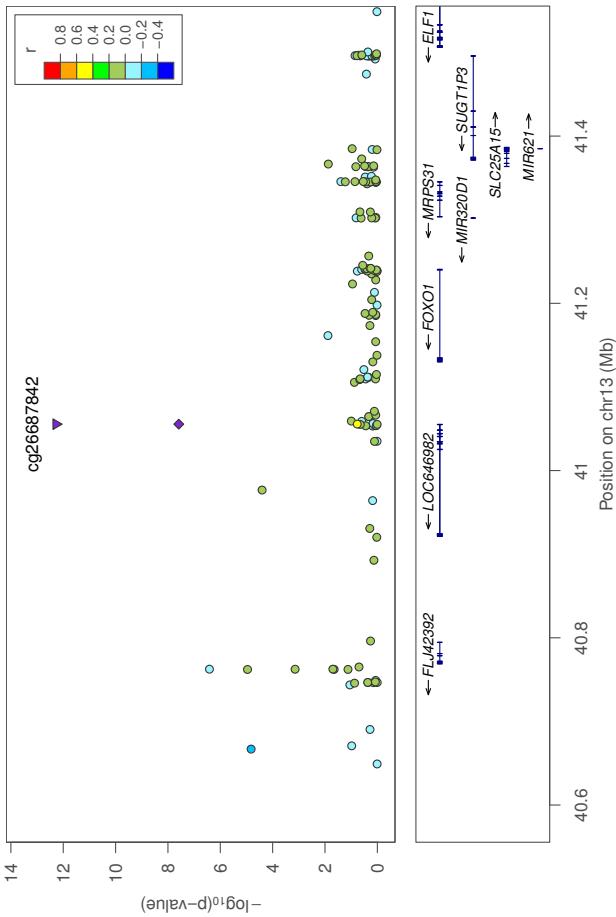
UBE2L5P



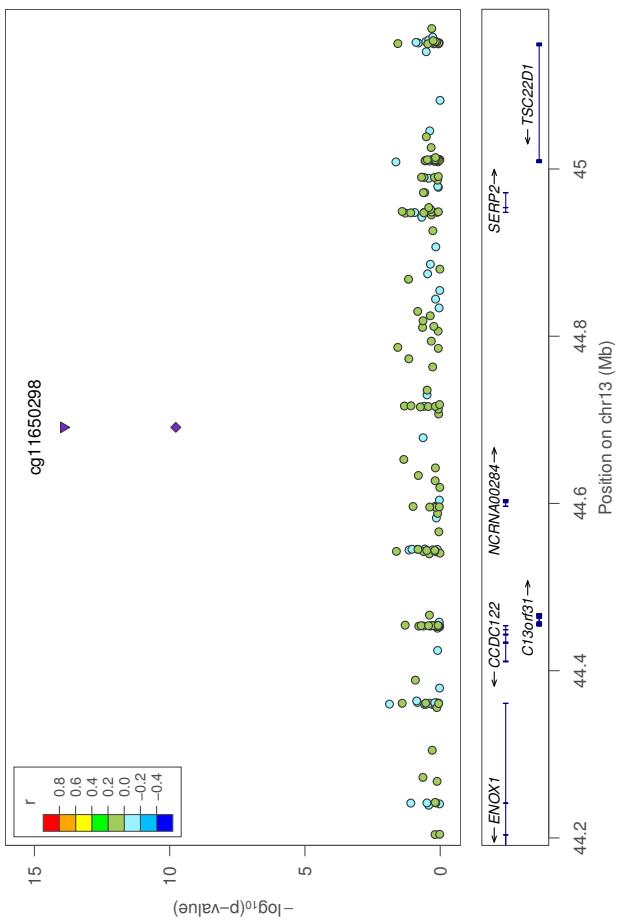
UFM1



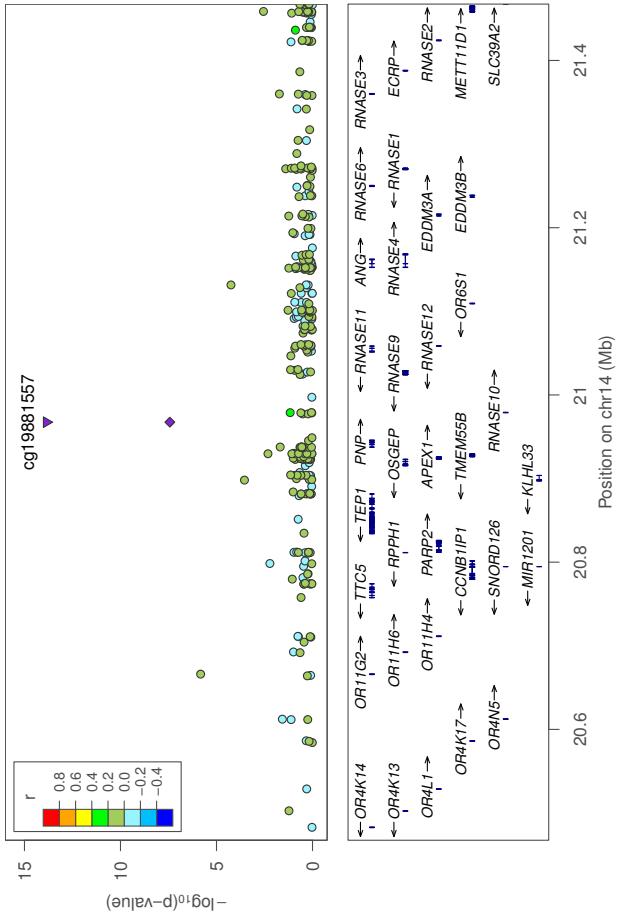
LINC00598



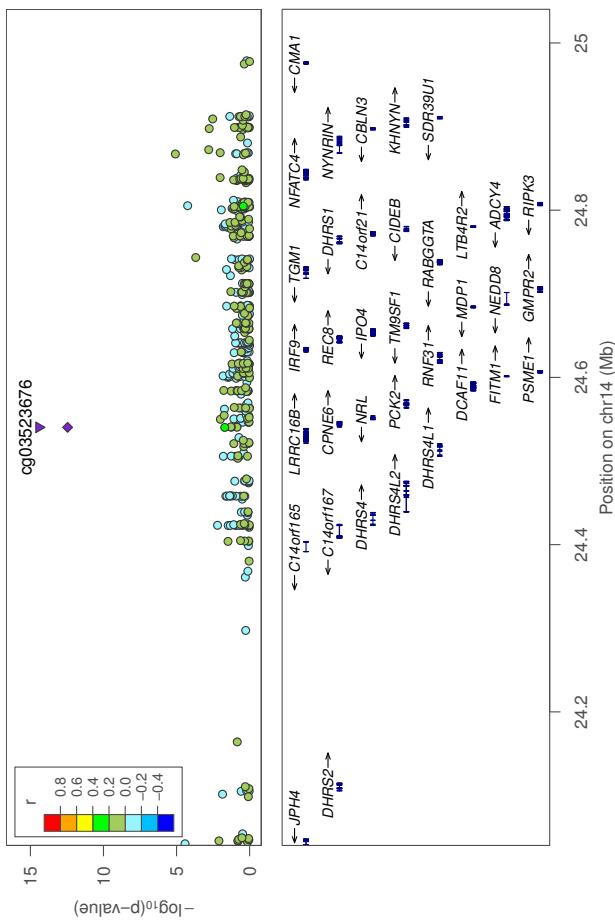
SMIM2-AS1



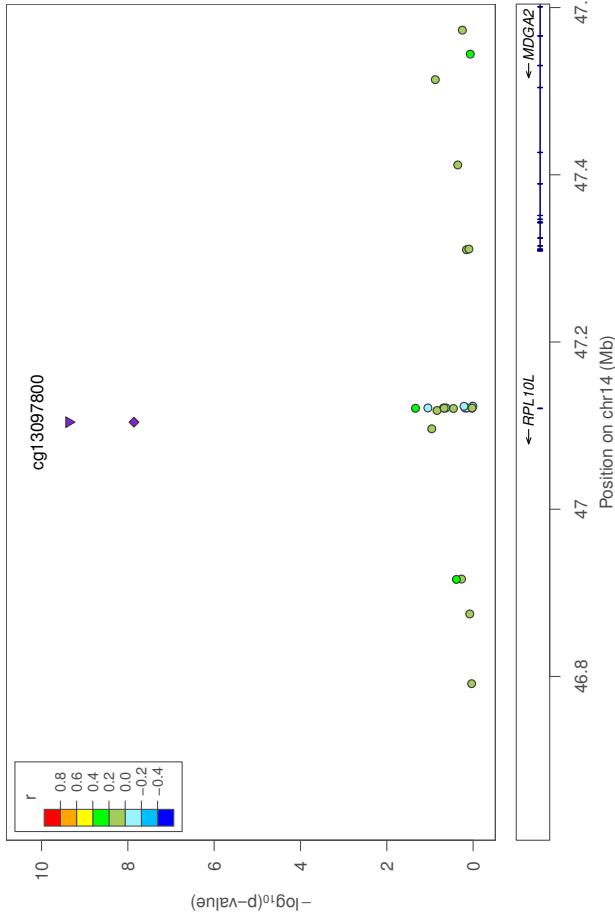
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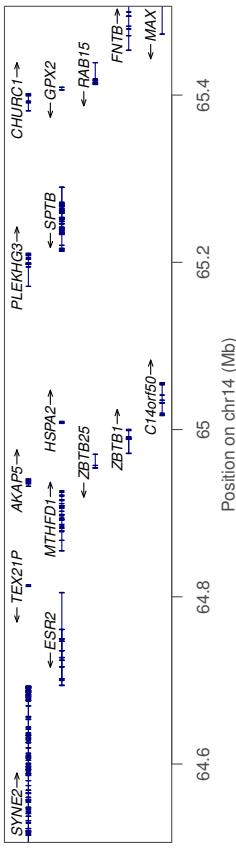
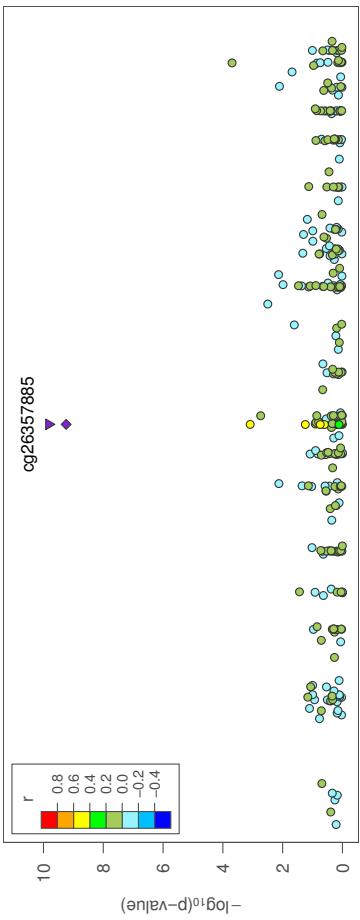
CPNE6



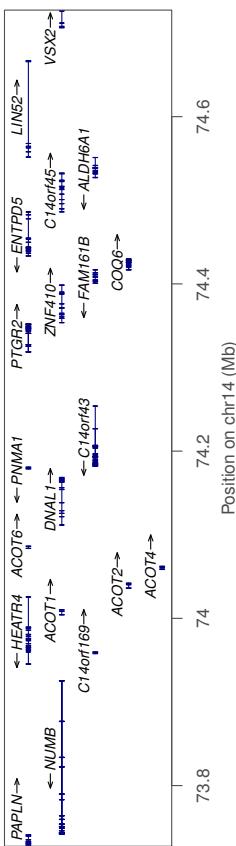
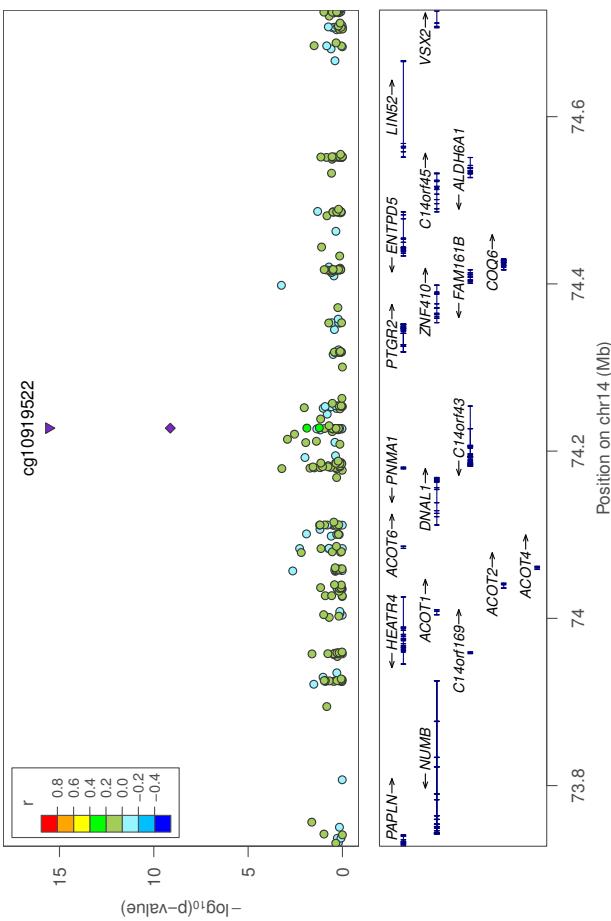
RPL10L



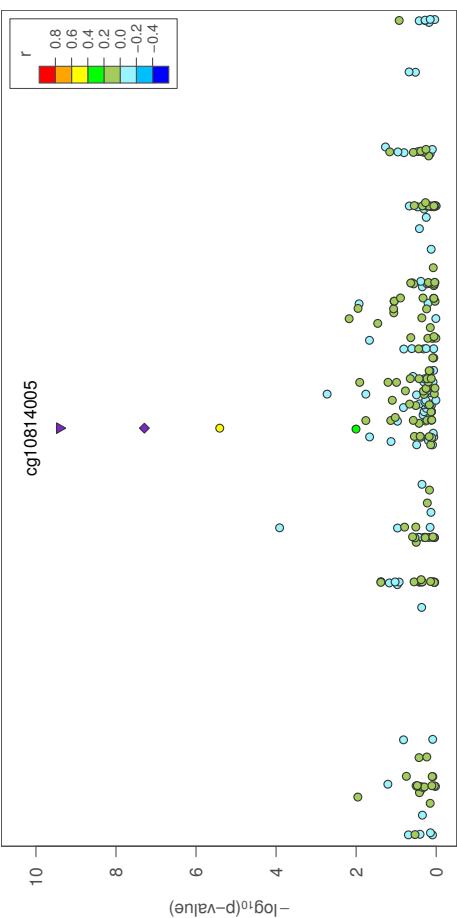
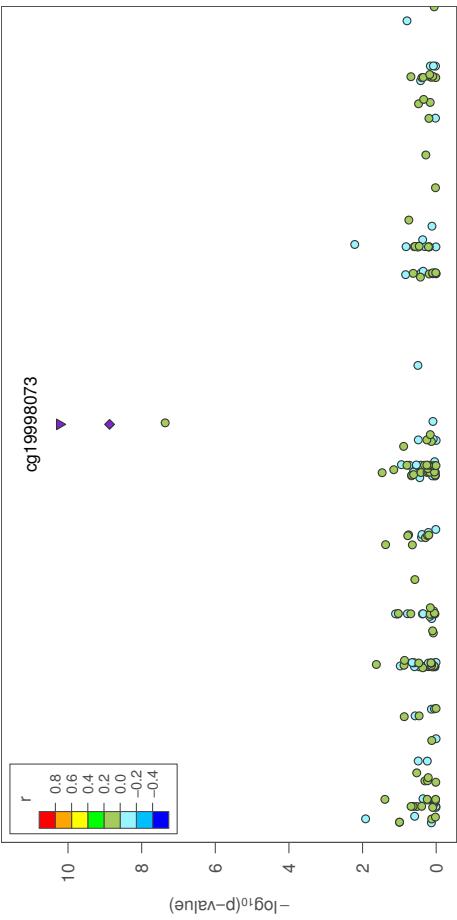
HSPA2



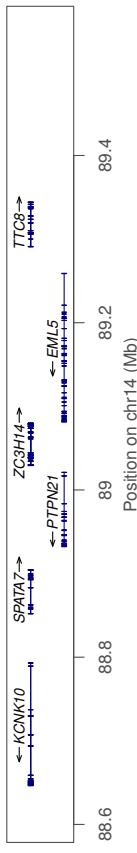
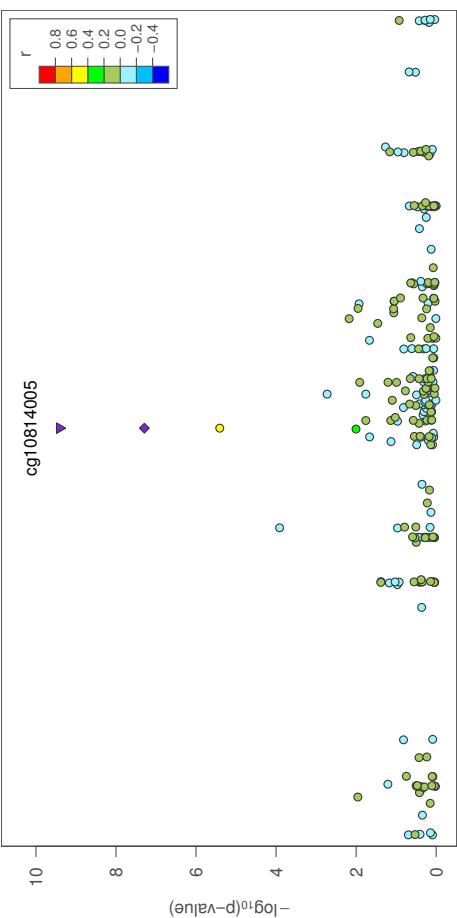
ELMSAN1



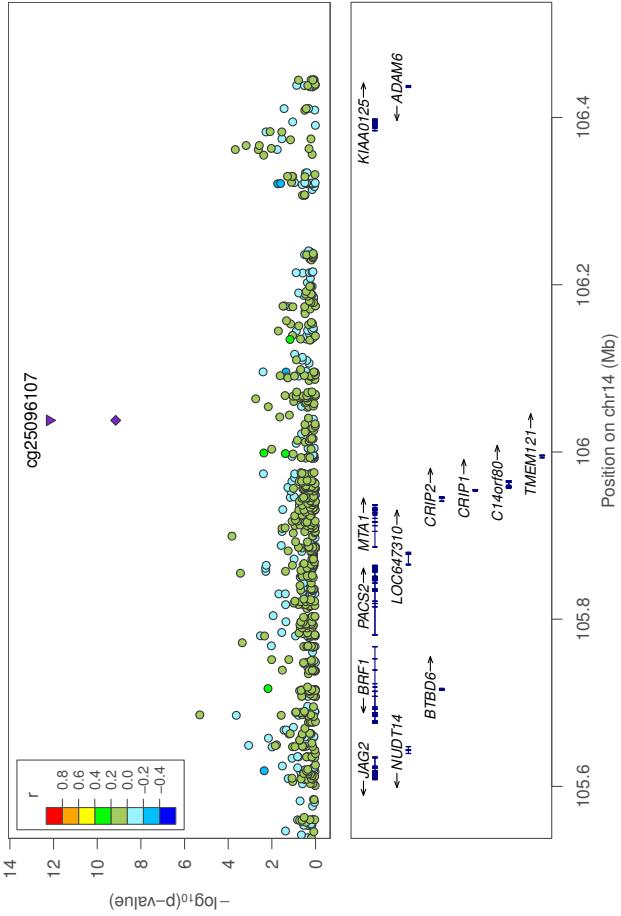
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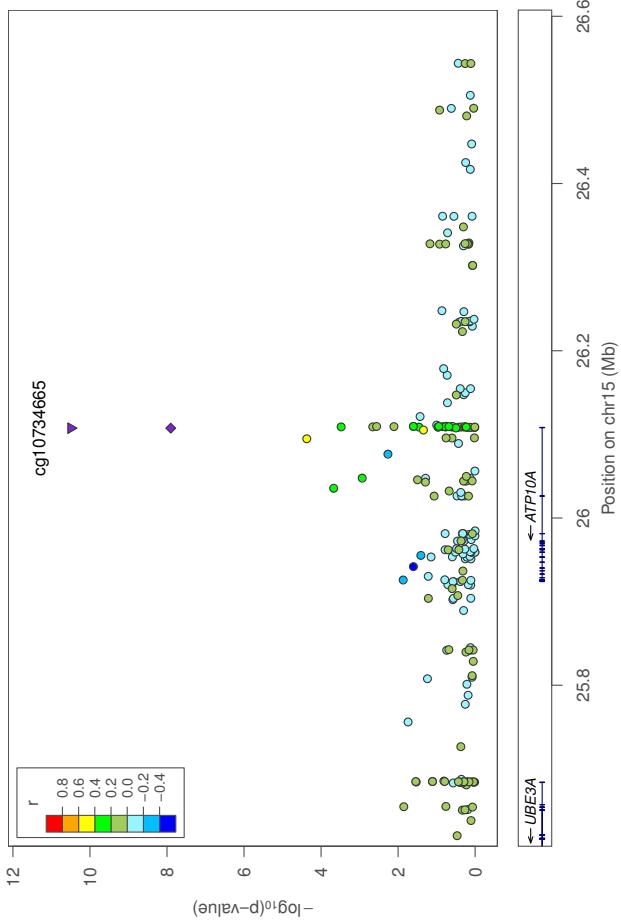
GPR68



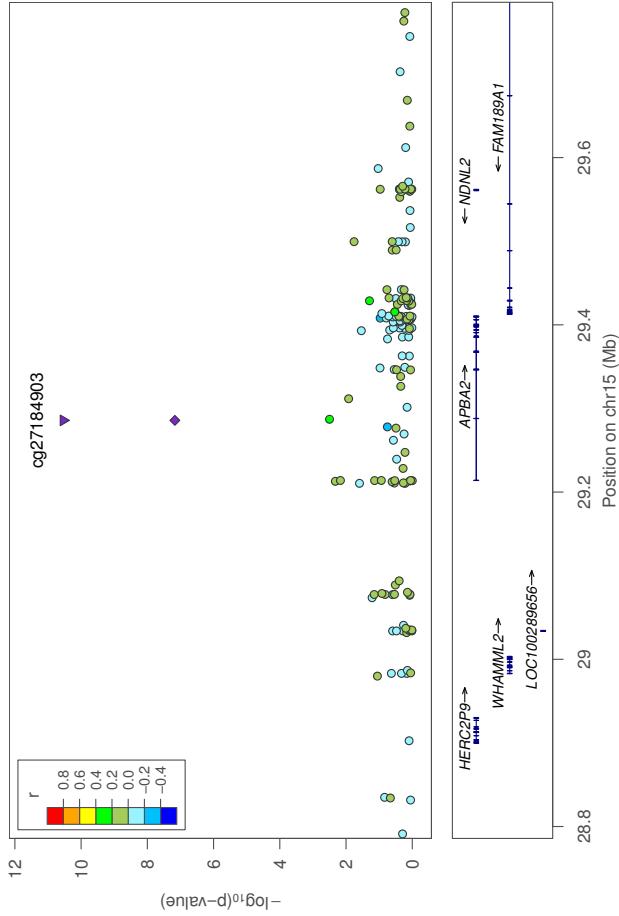
IGHA2



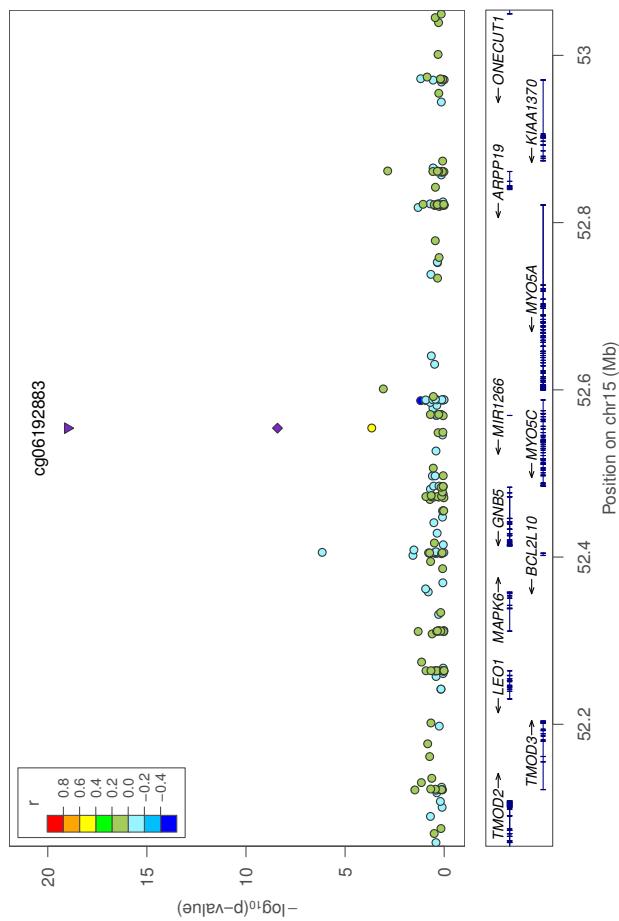
ATP10A



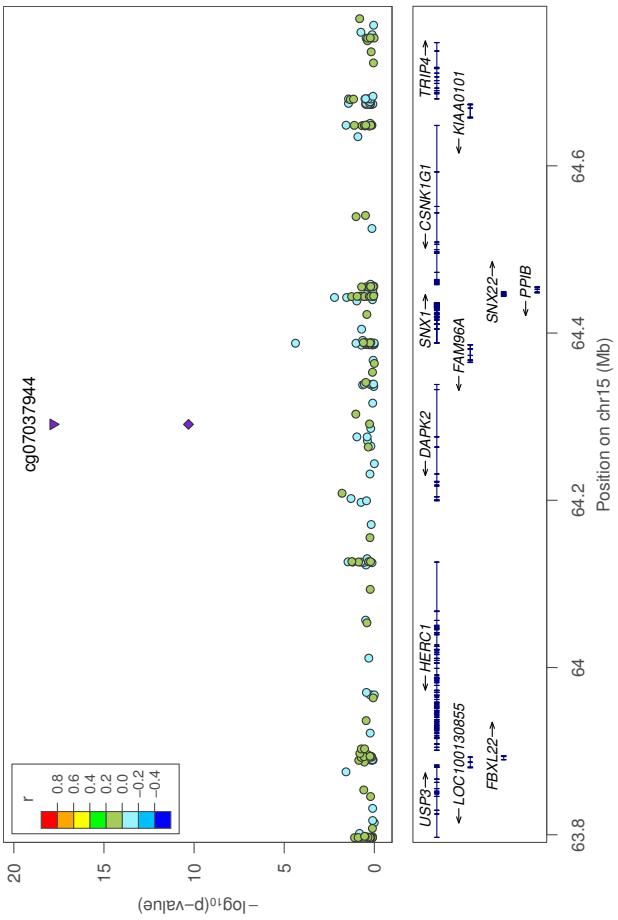
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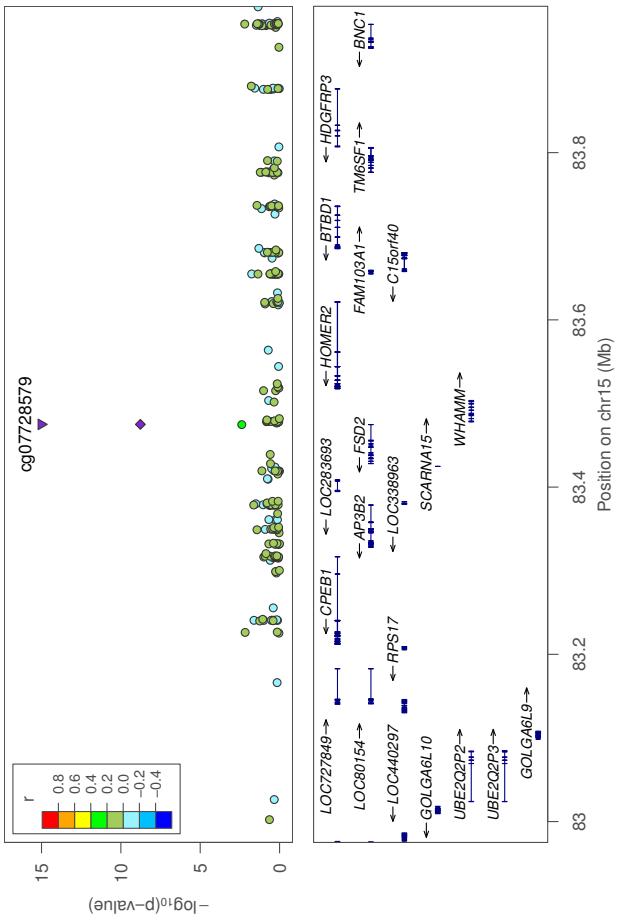
MYO5C



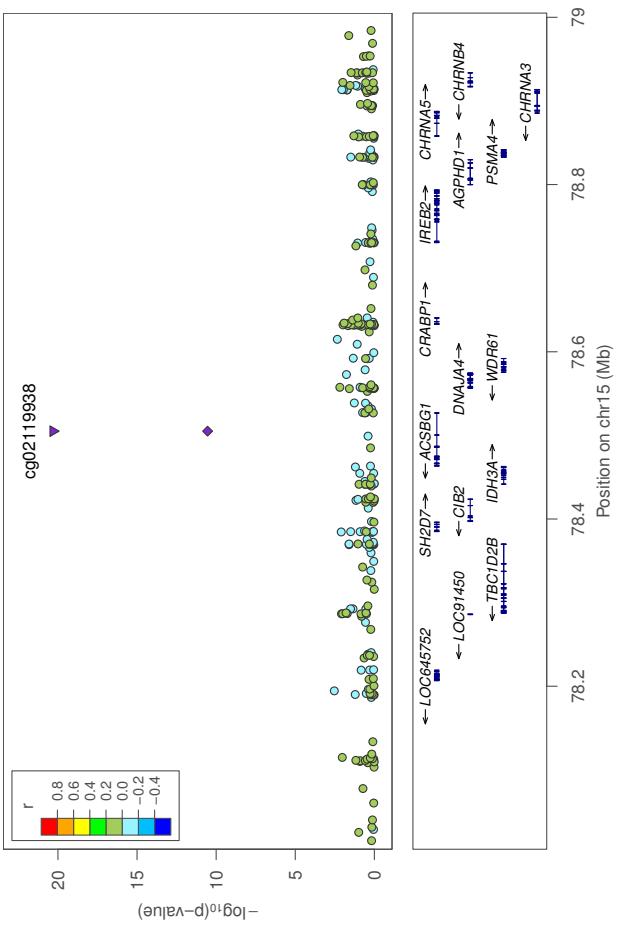
DAPK2



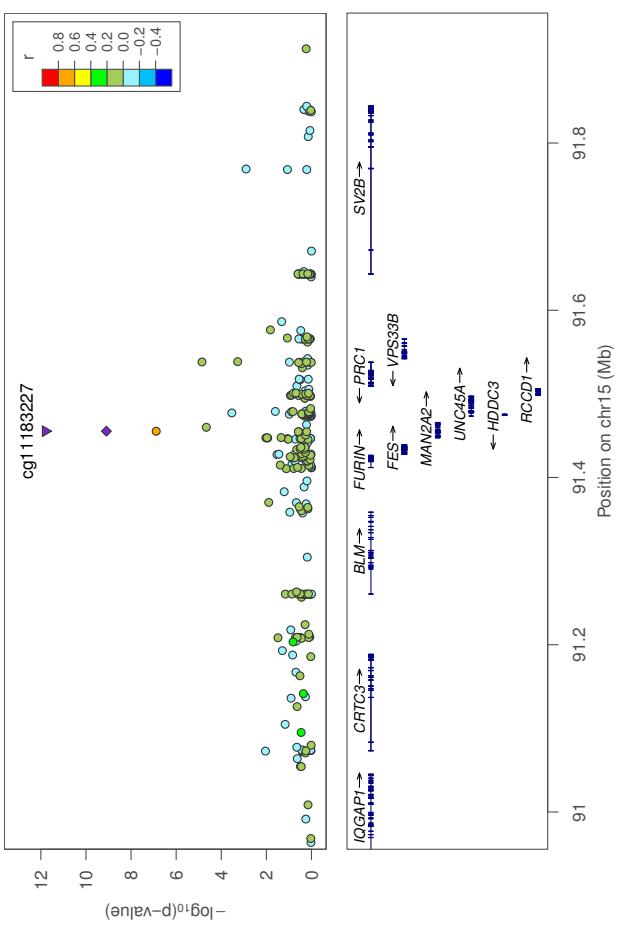
FSD2



ACSBG1

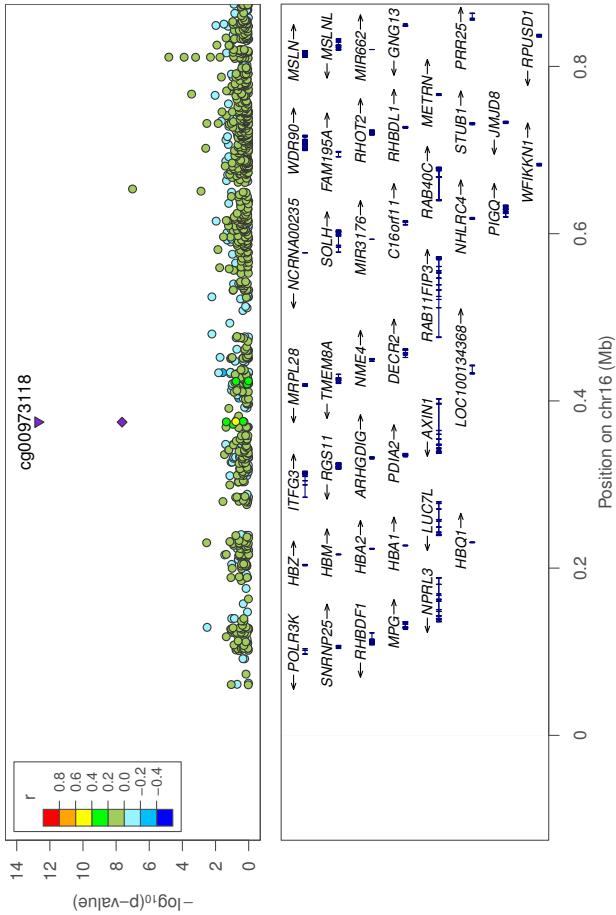
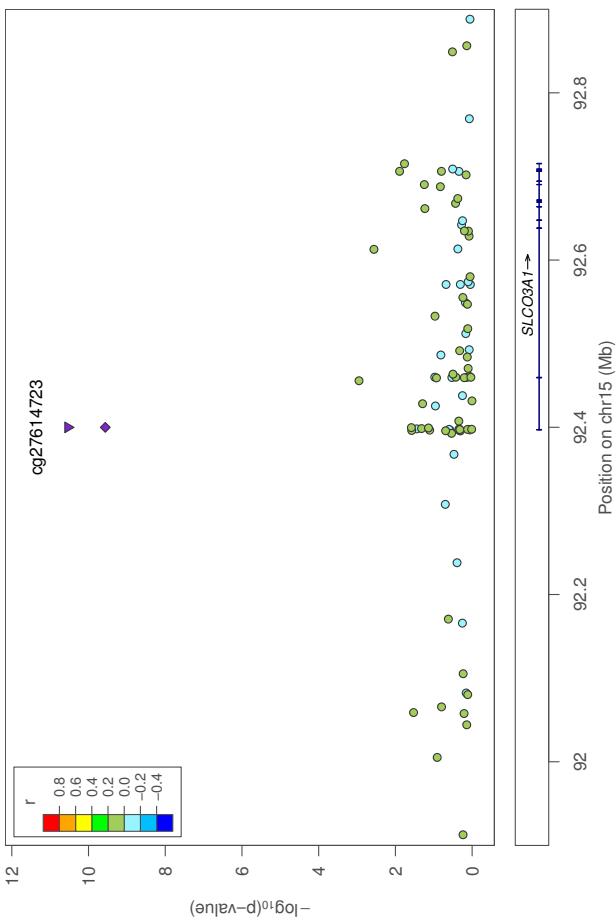


MAN2A2

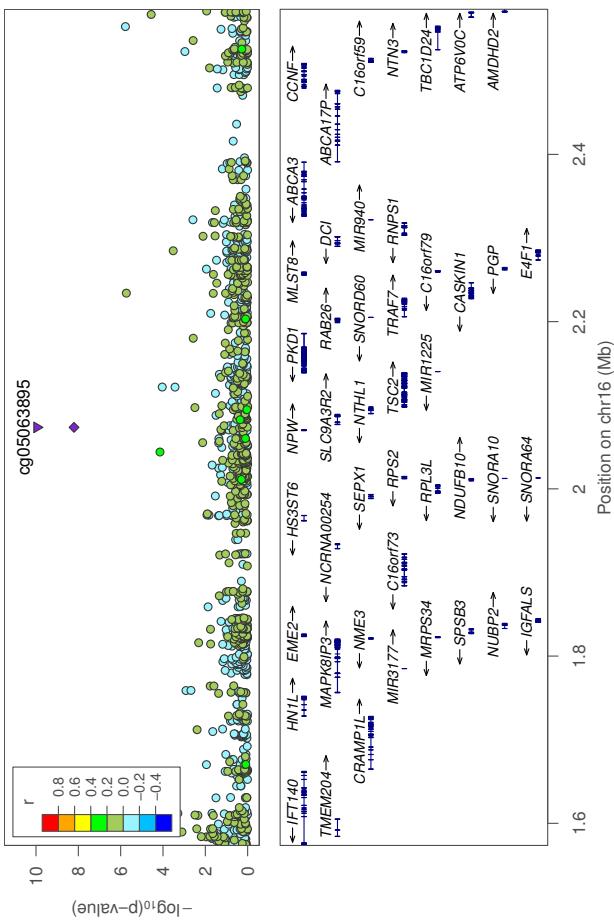


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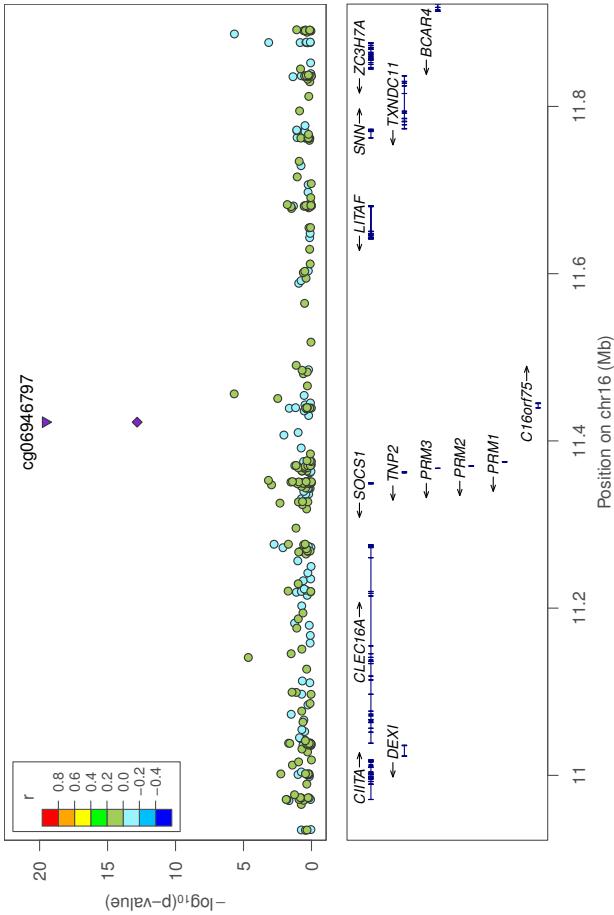
AXIN1



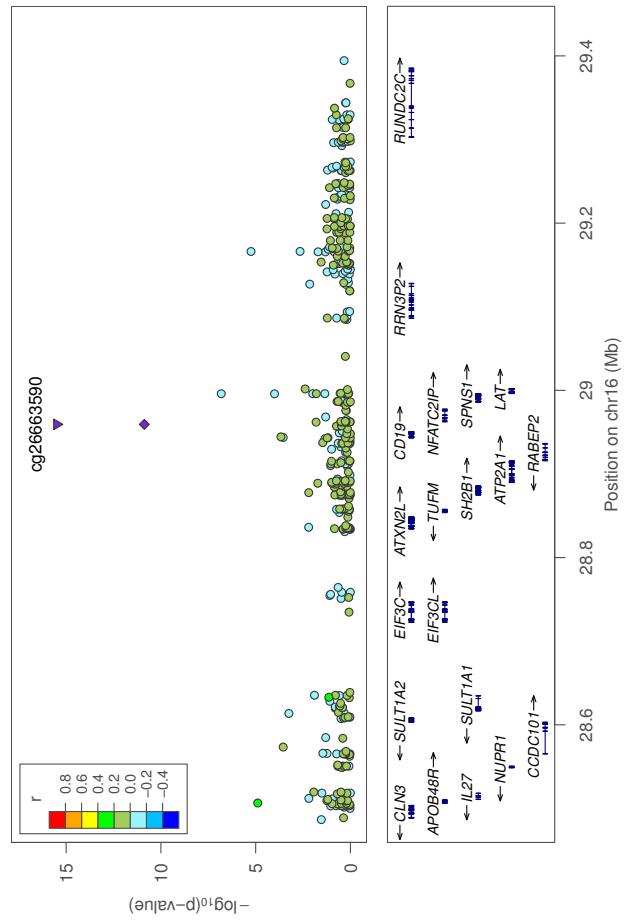
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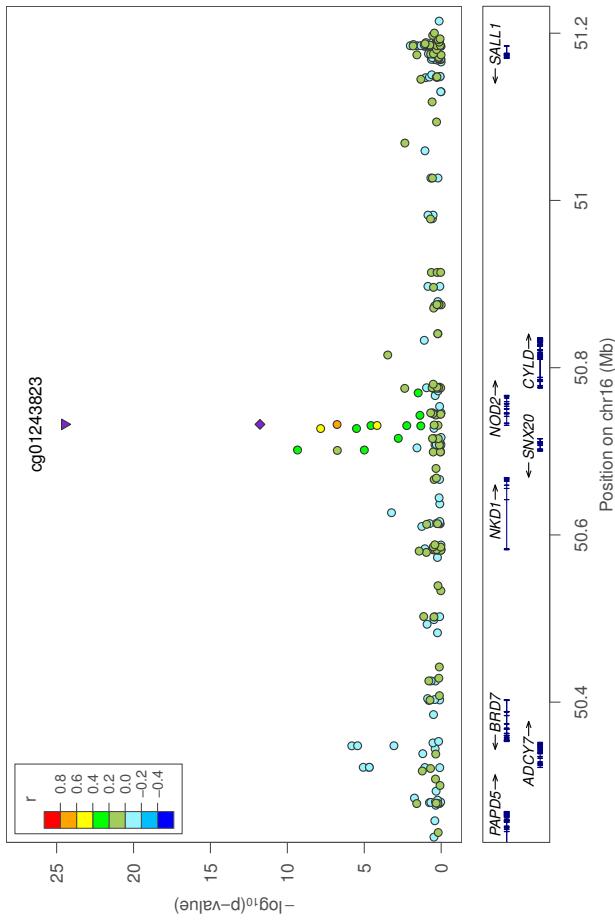
RMI2



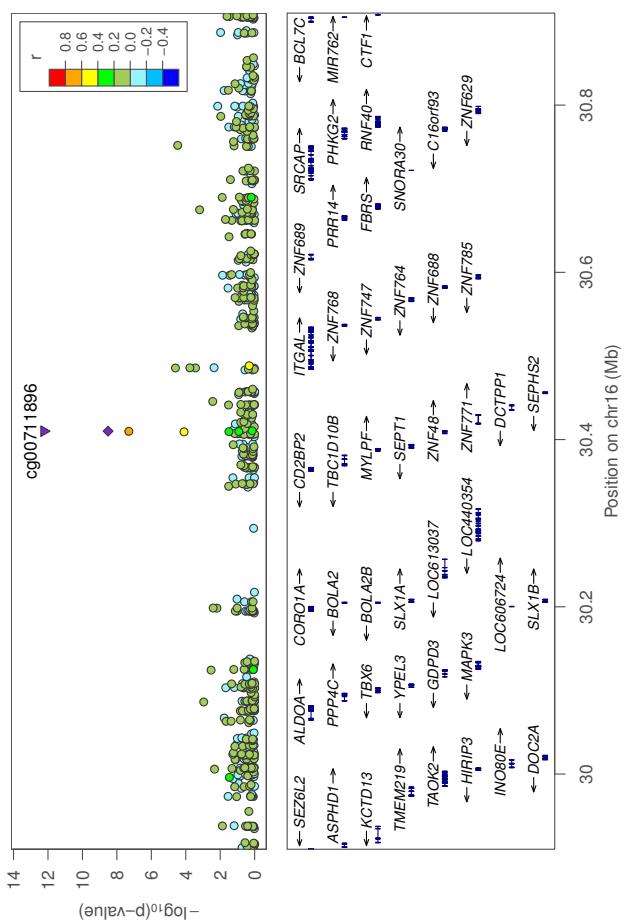
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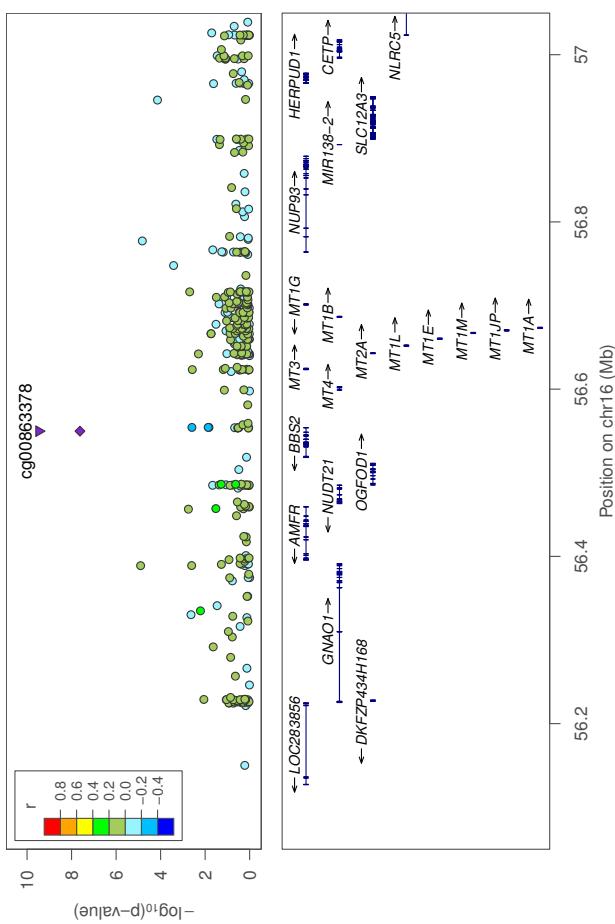
NOD2



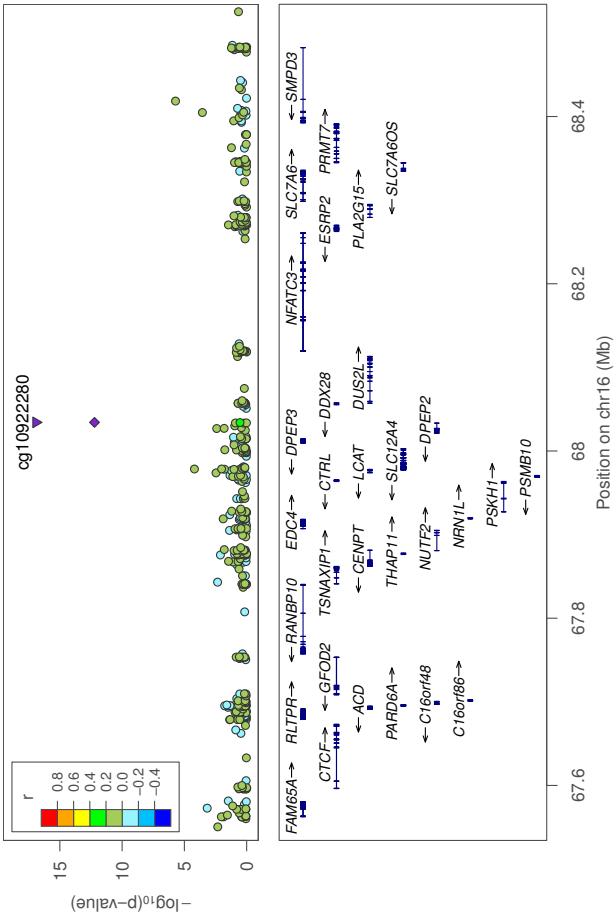
ZNF48



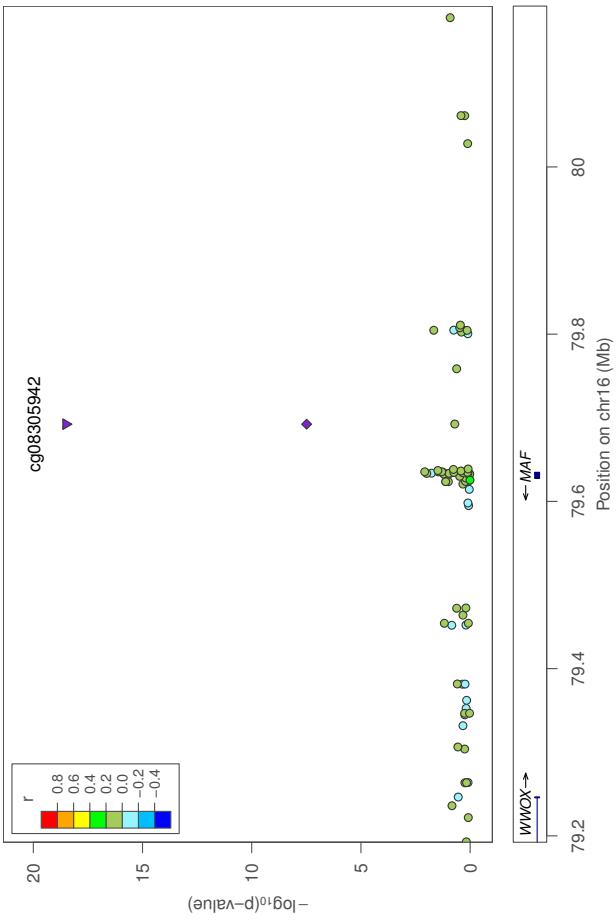
BBS2



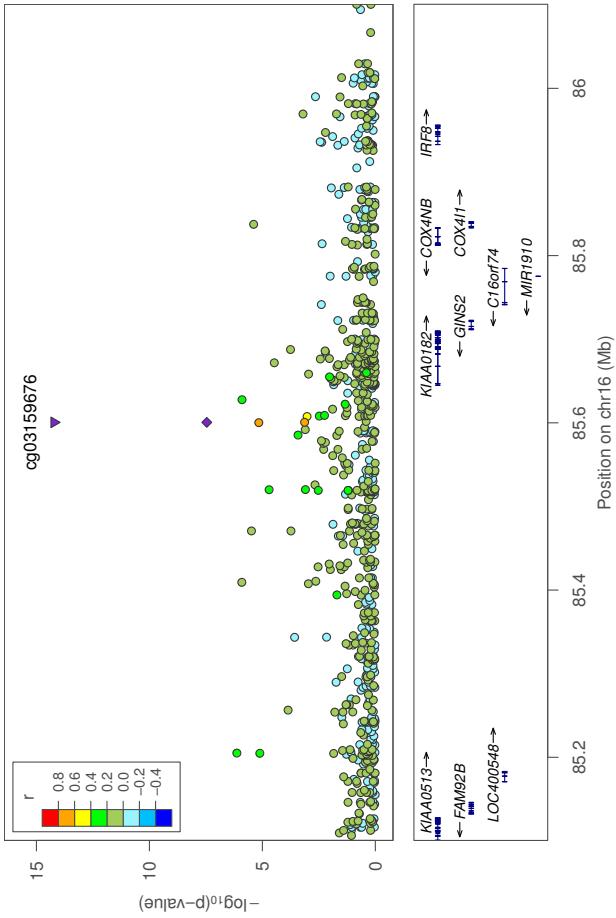
DUS2L



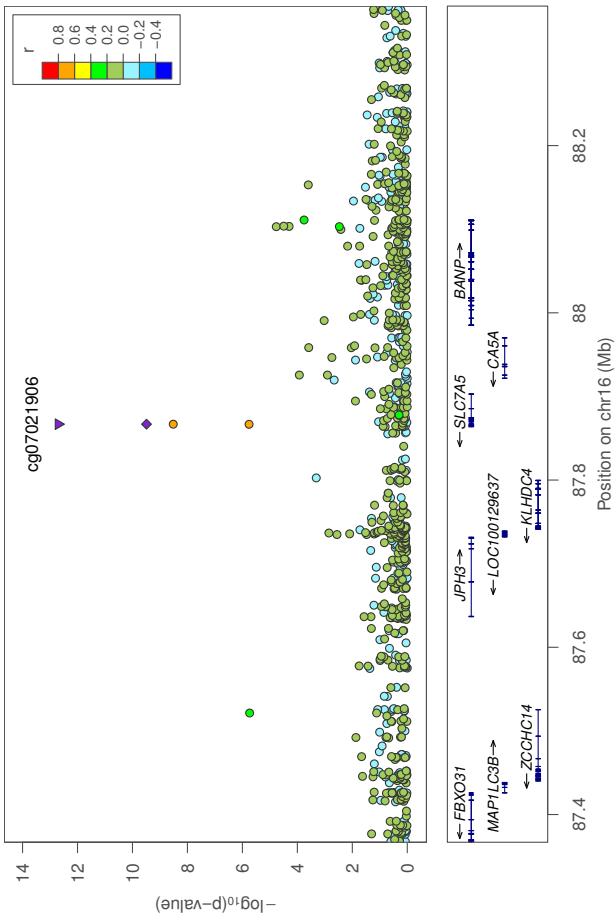
MAF



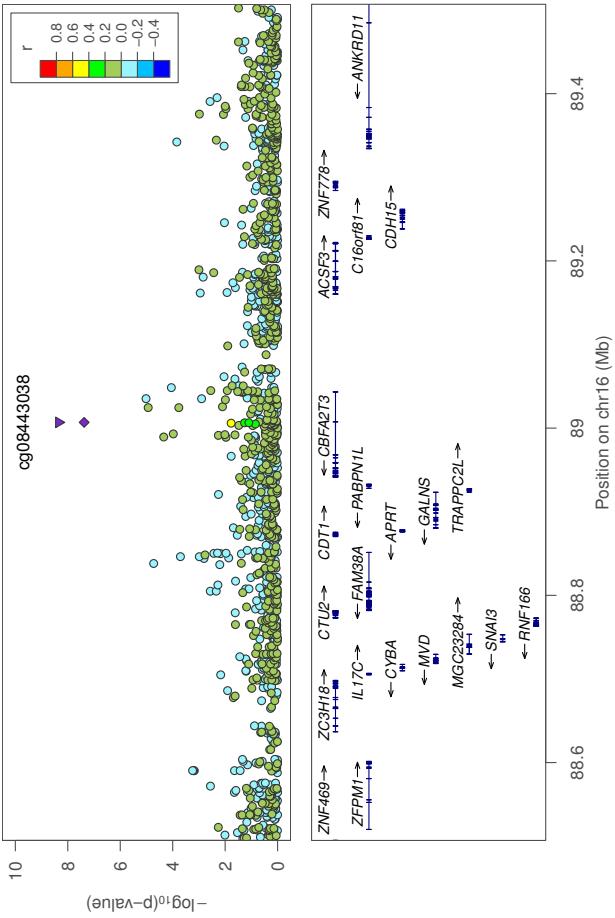
GSE1



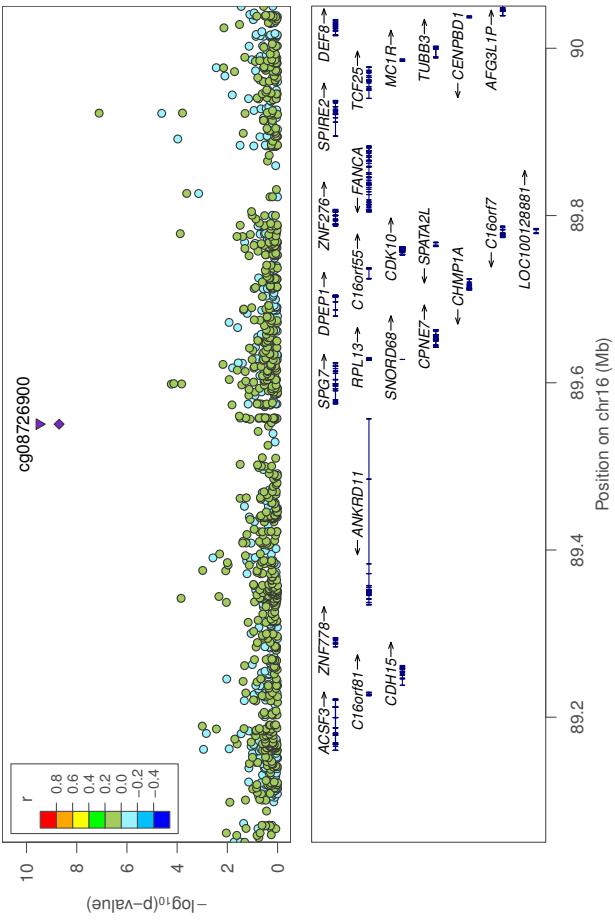
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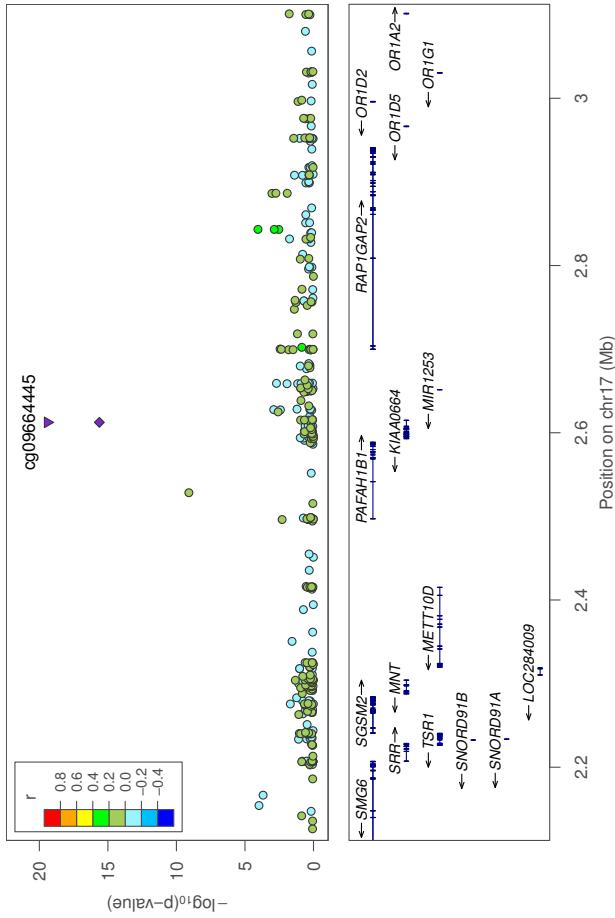
CBFA2T3



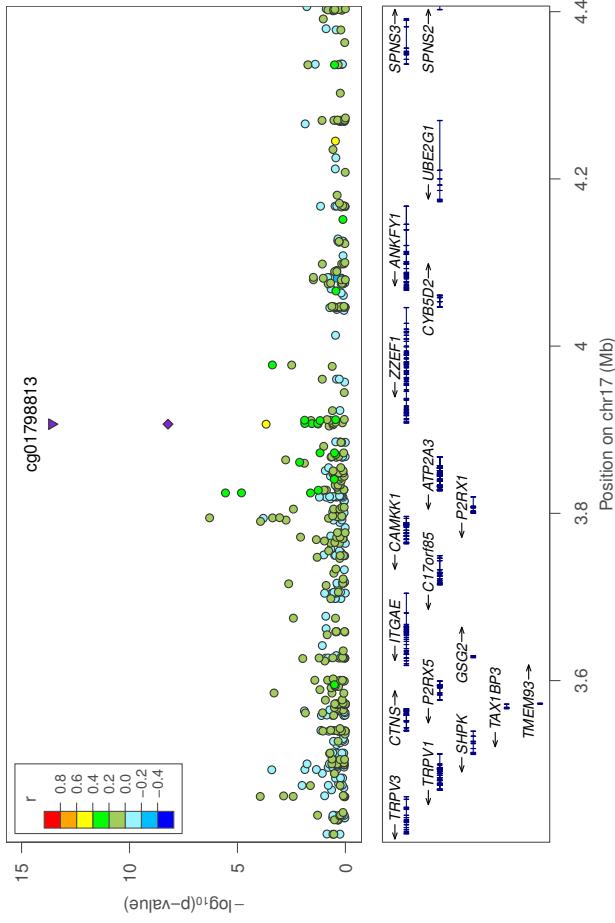
ANKRD11



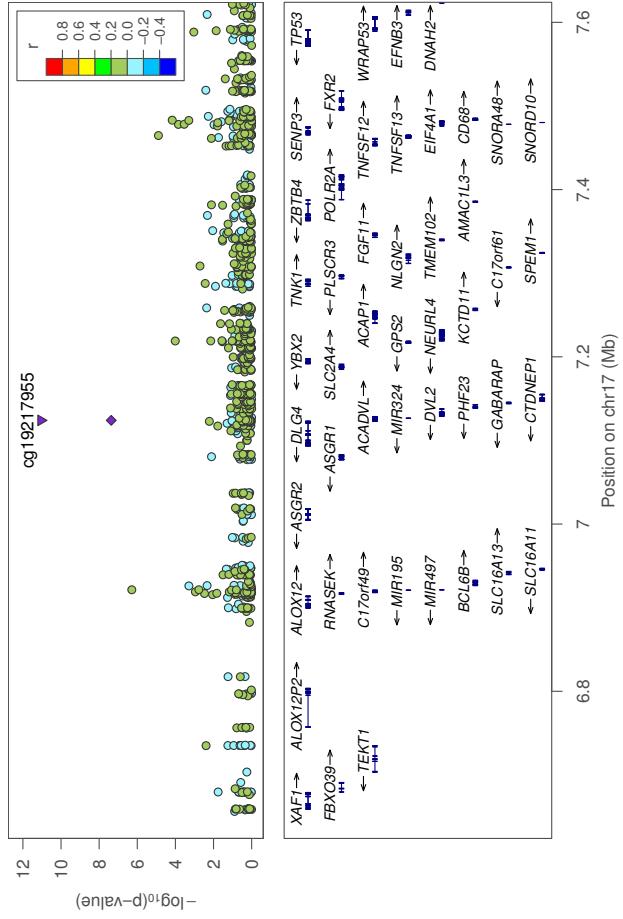
CLUH



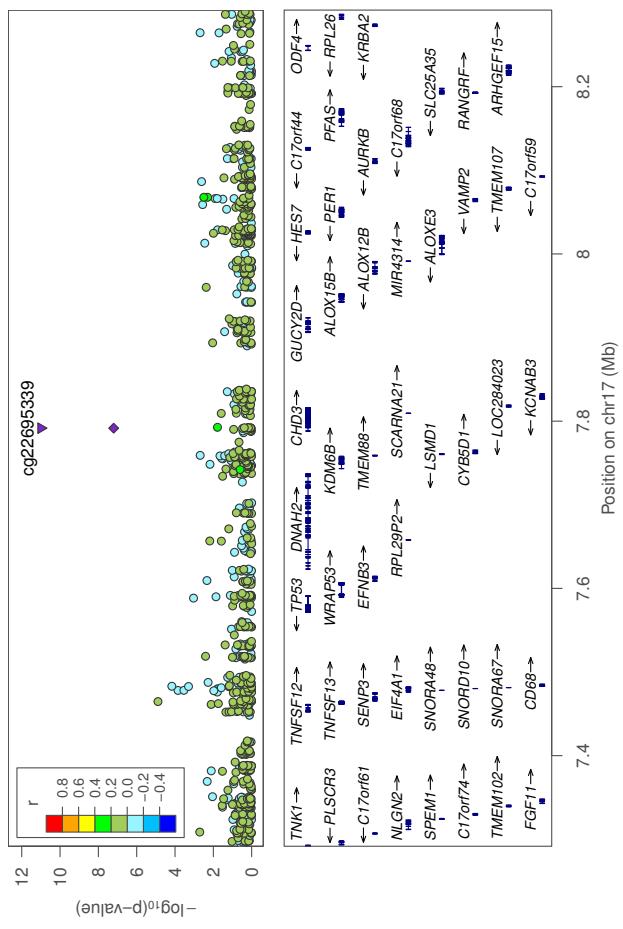
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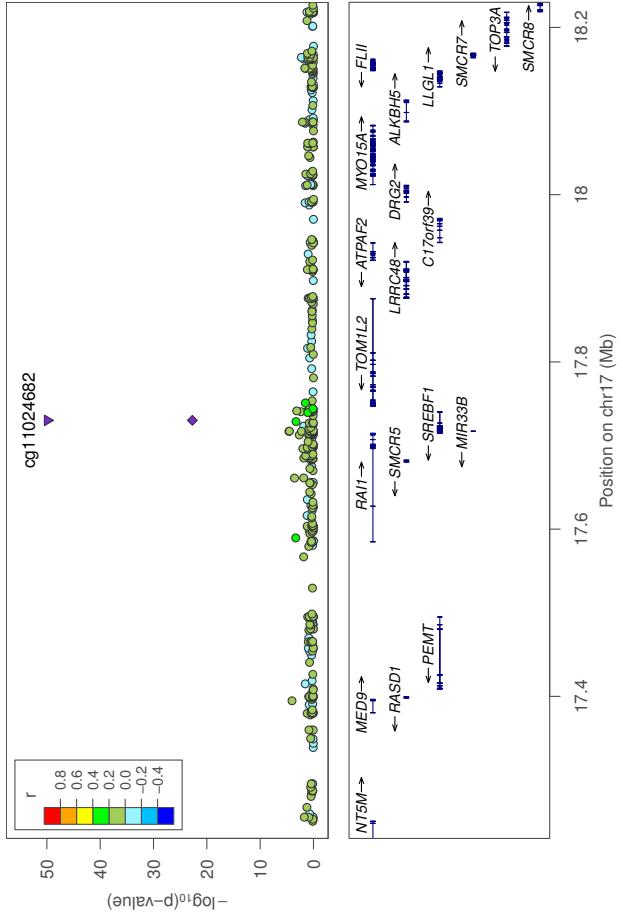
ACADVL



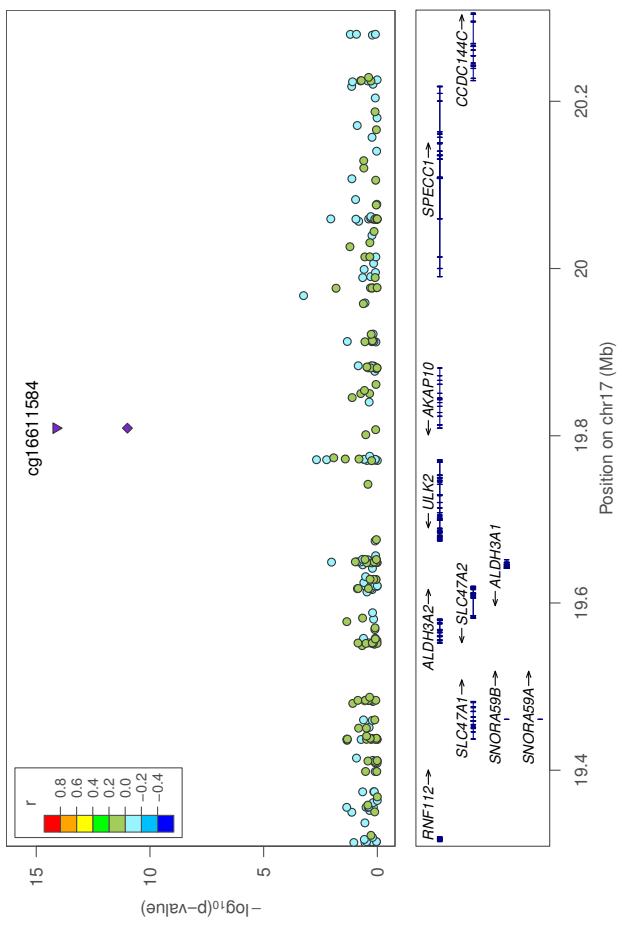
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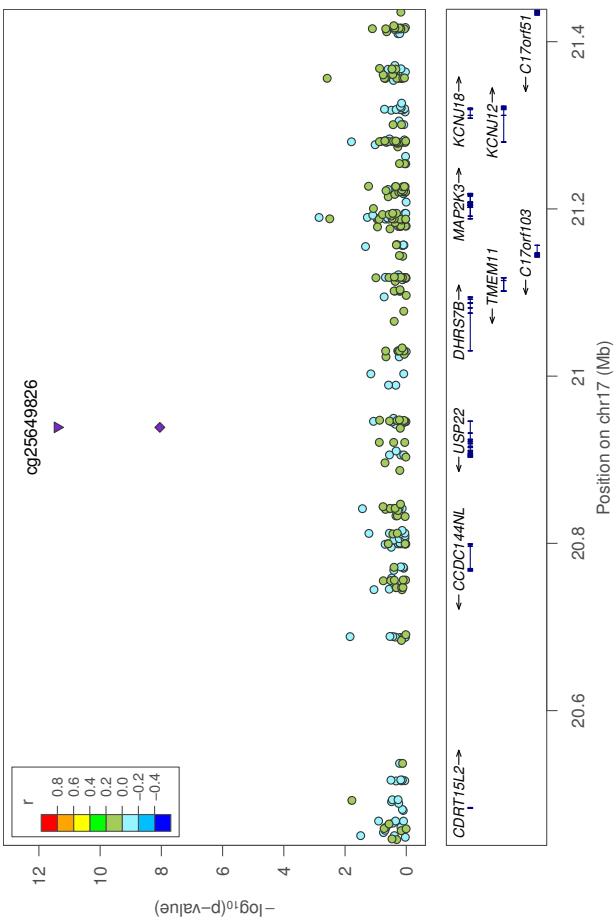
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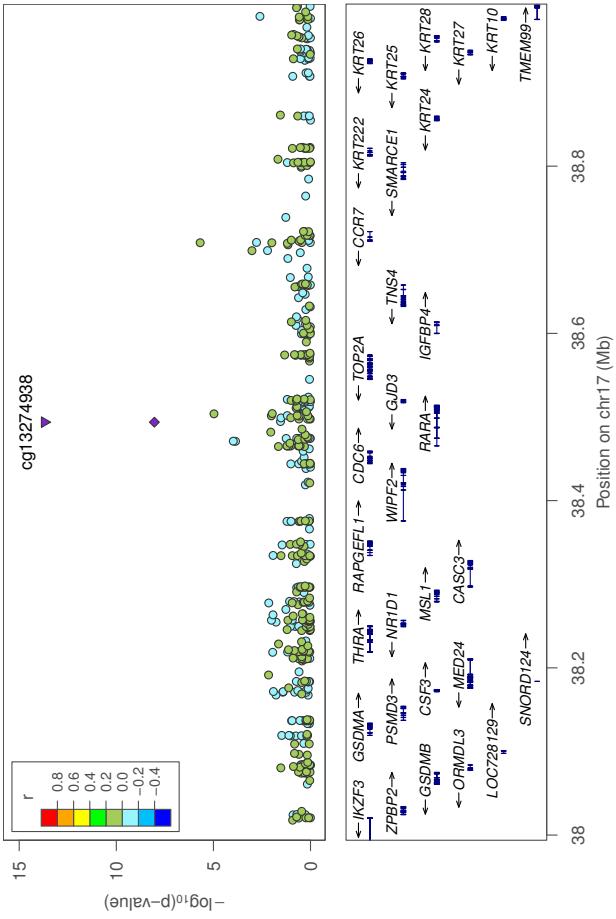
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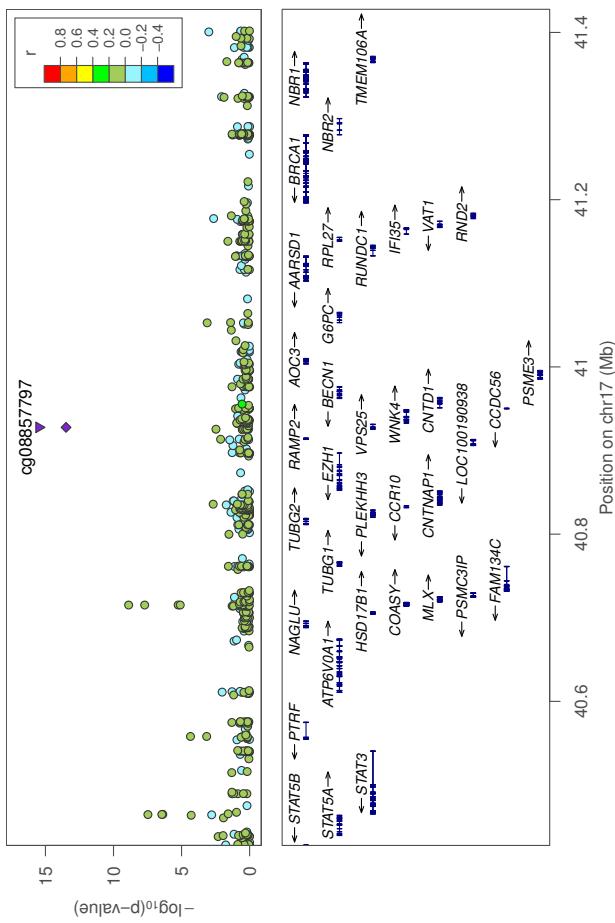
USP22



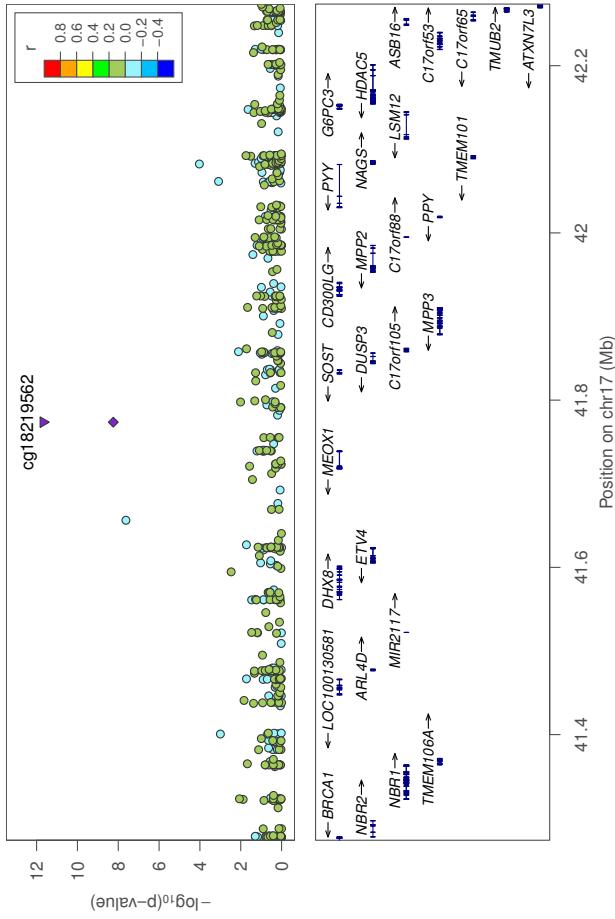
RARA



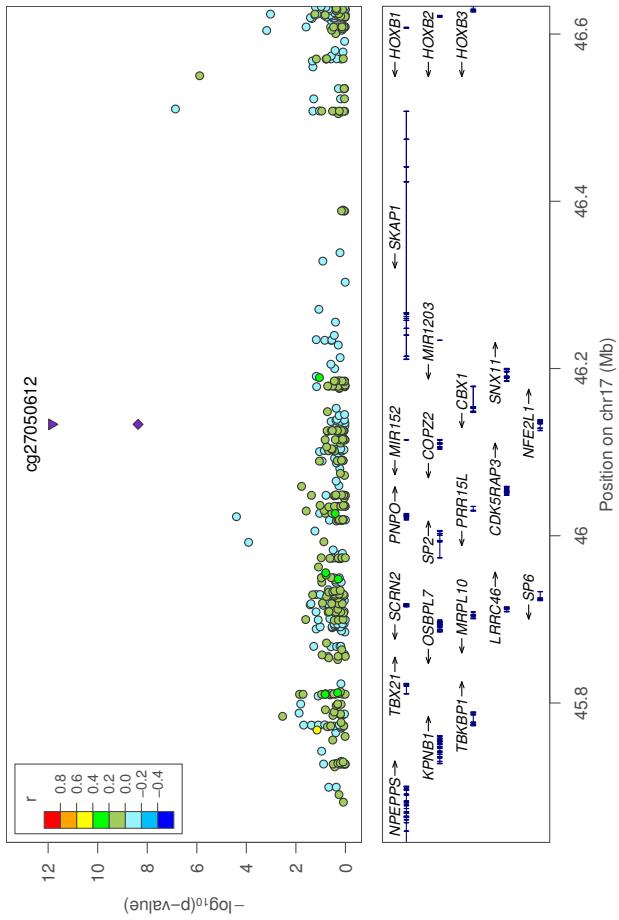
VPS25



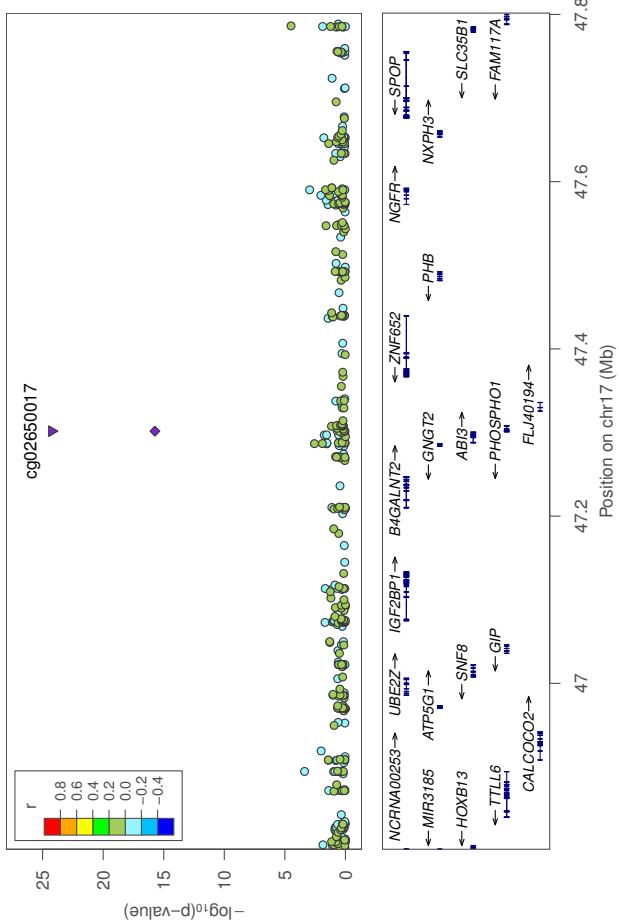
MEOX1



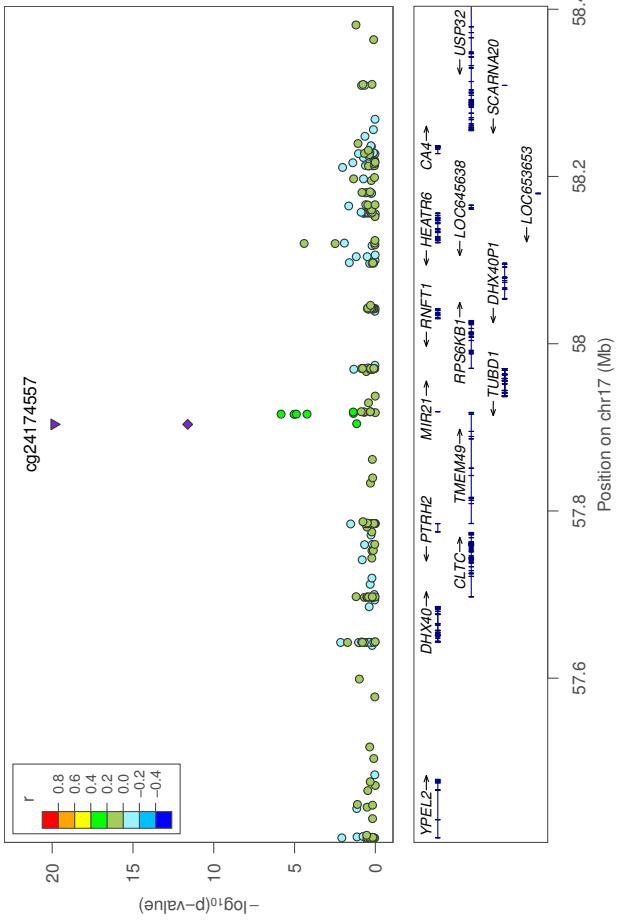
NFE2L1



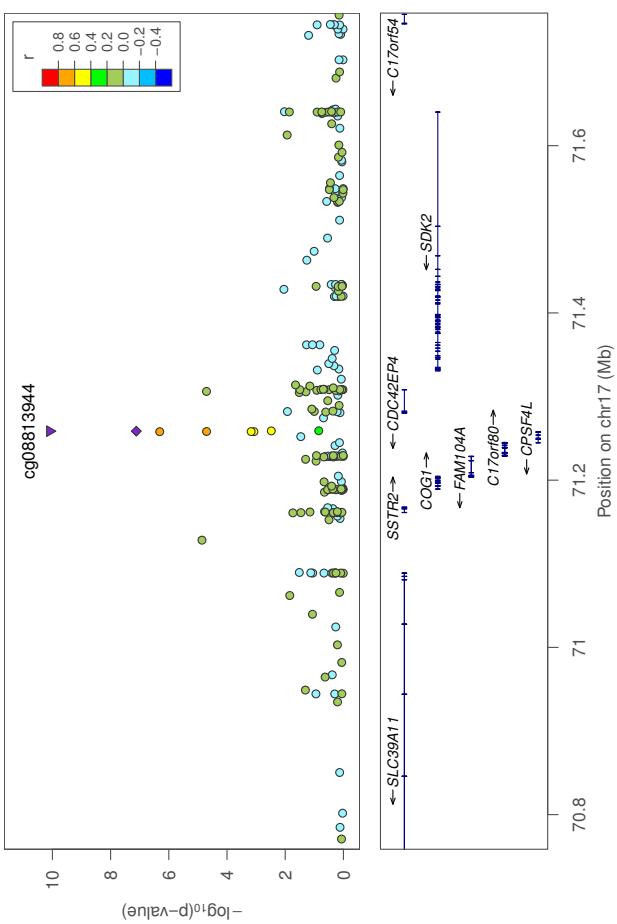
PHOSPHO1



VMP1

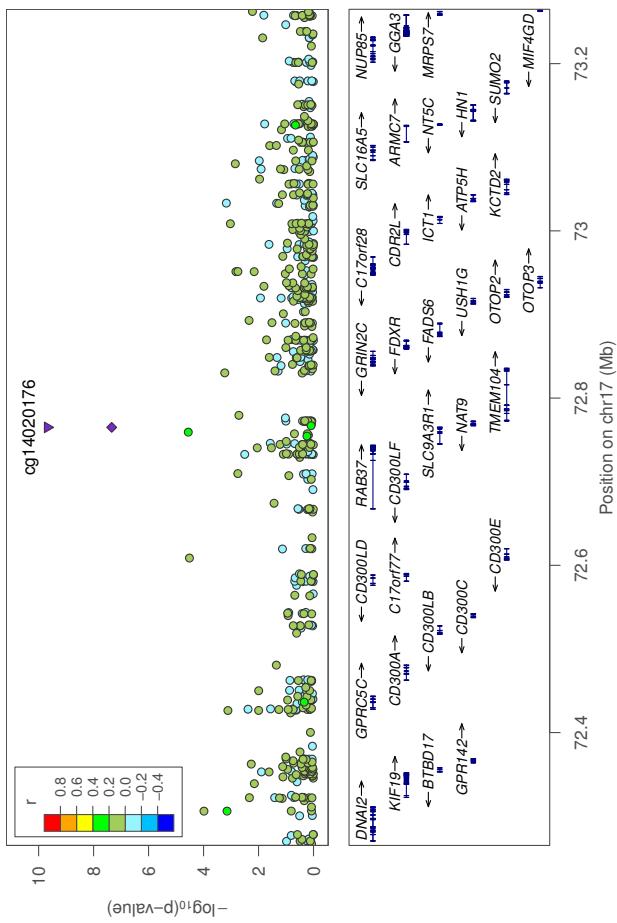


CPSF4L

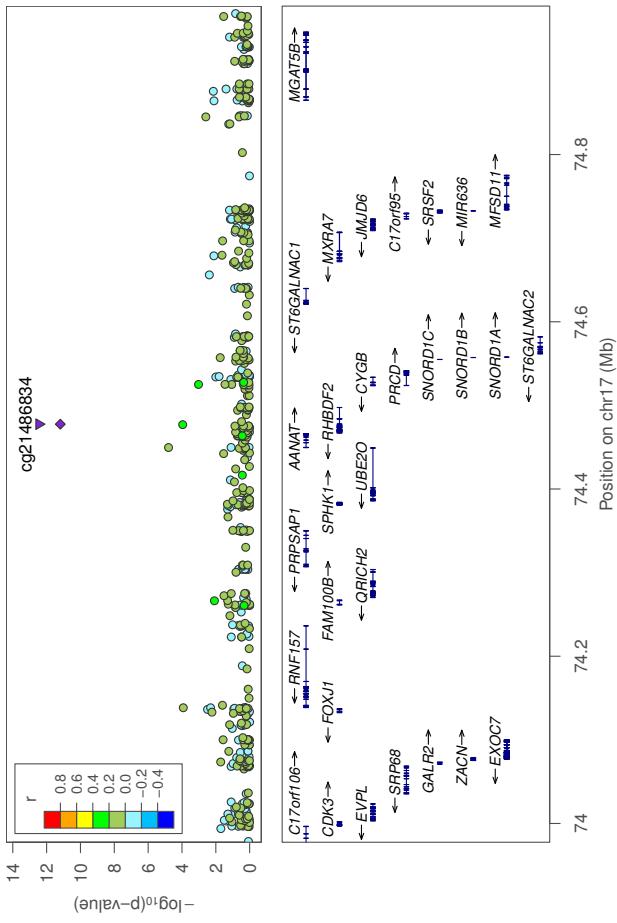
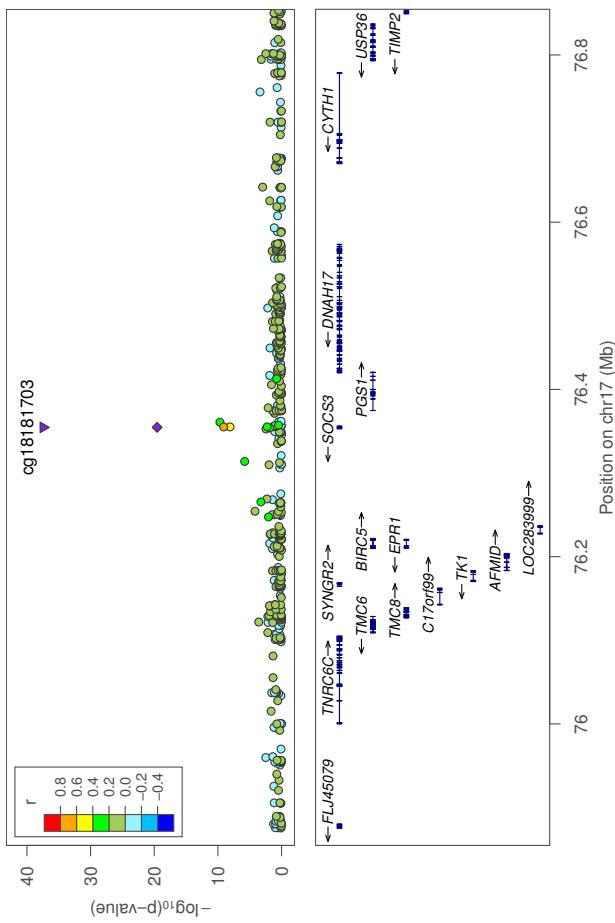


SLC9A3R1

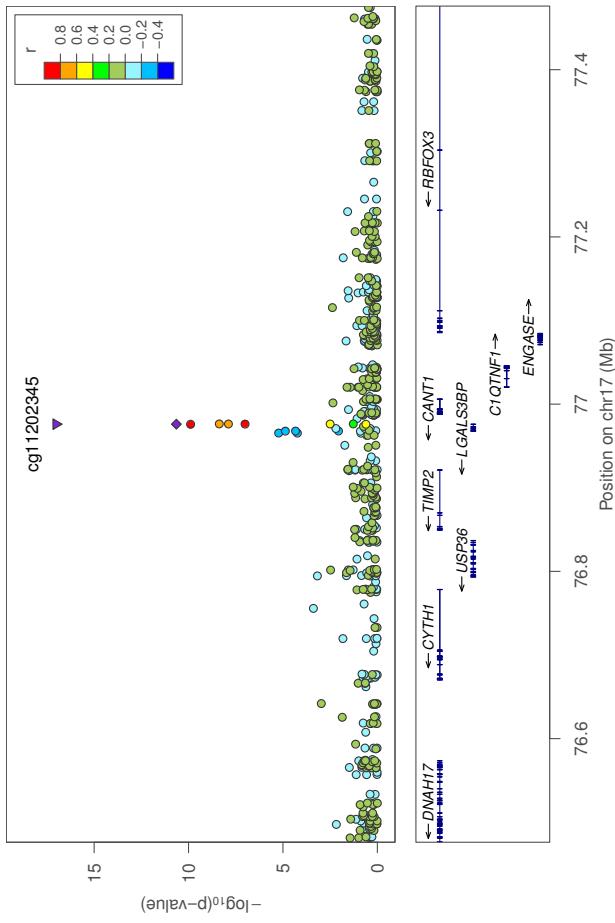
RHBDF2



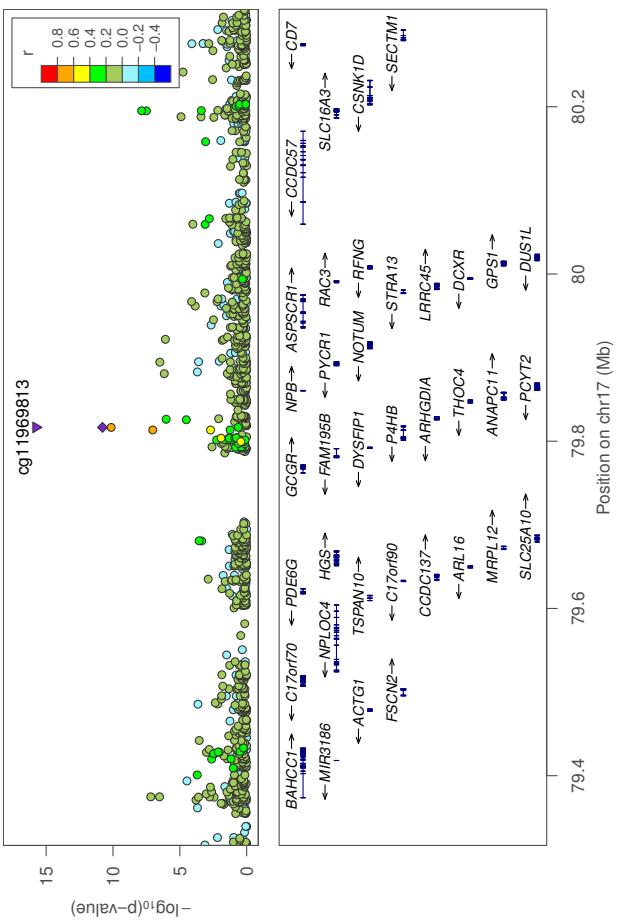
SOCs3



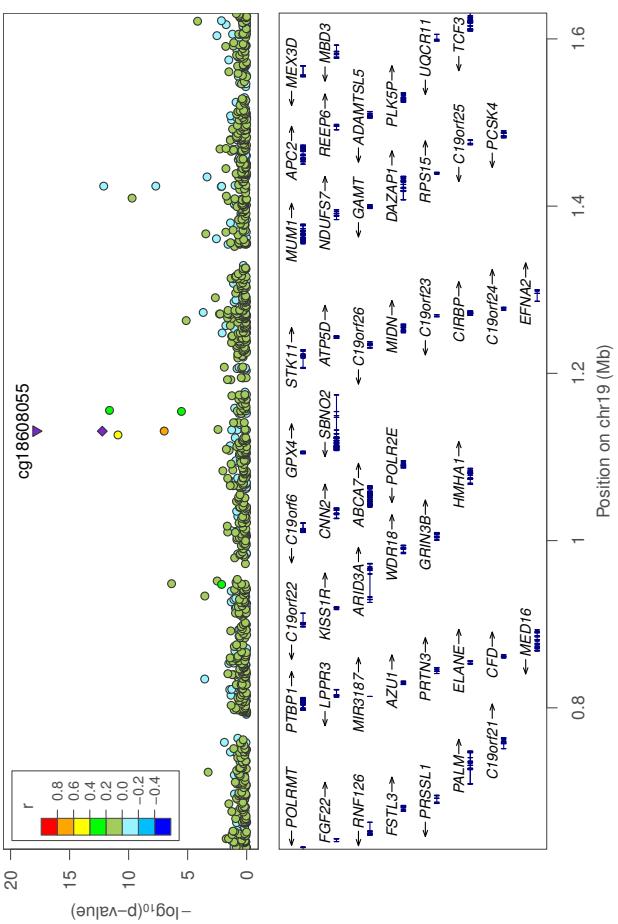
LGALS3BP



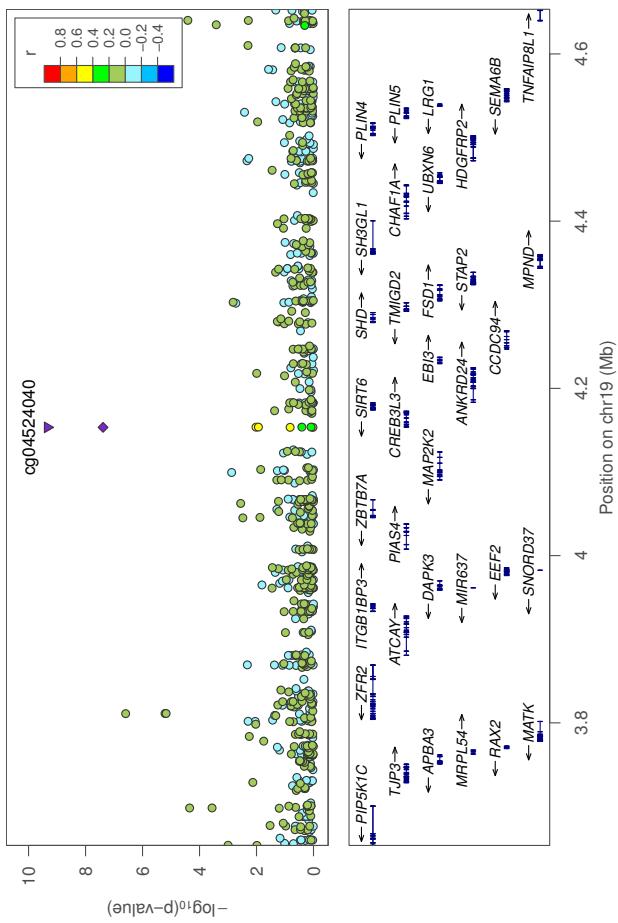
P4HB



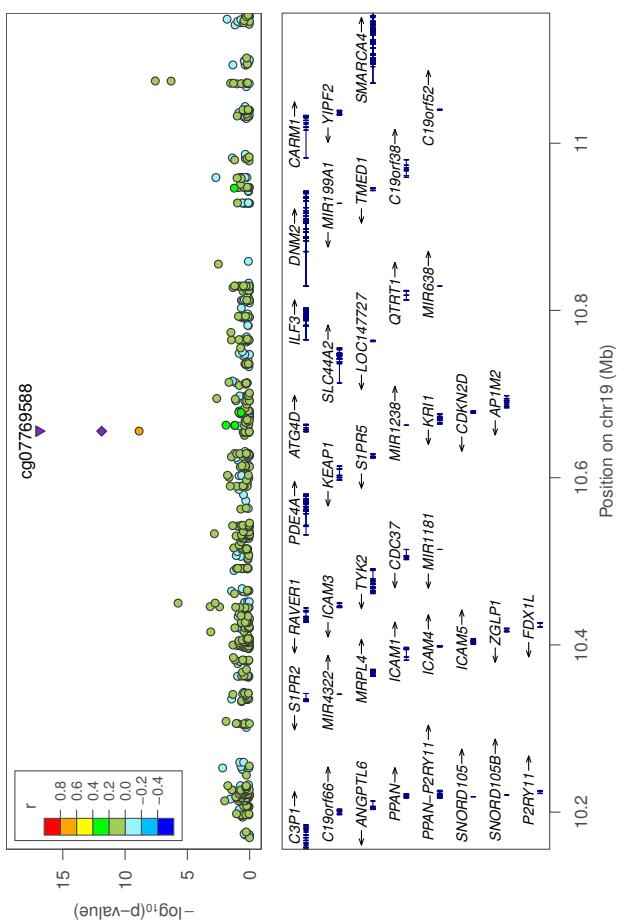
SBNO2



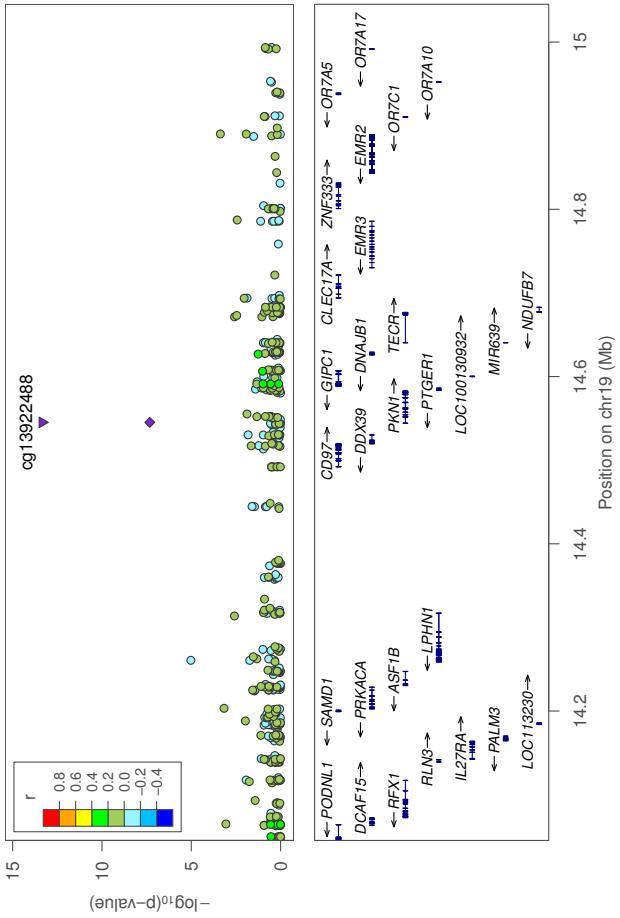
CREB3L3



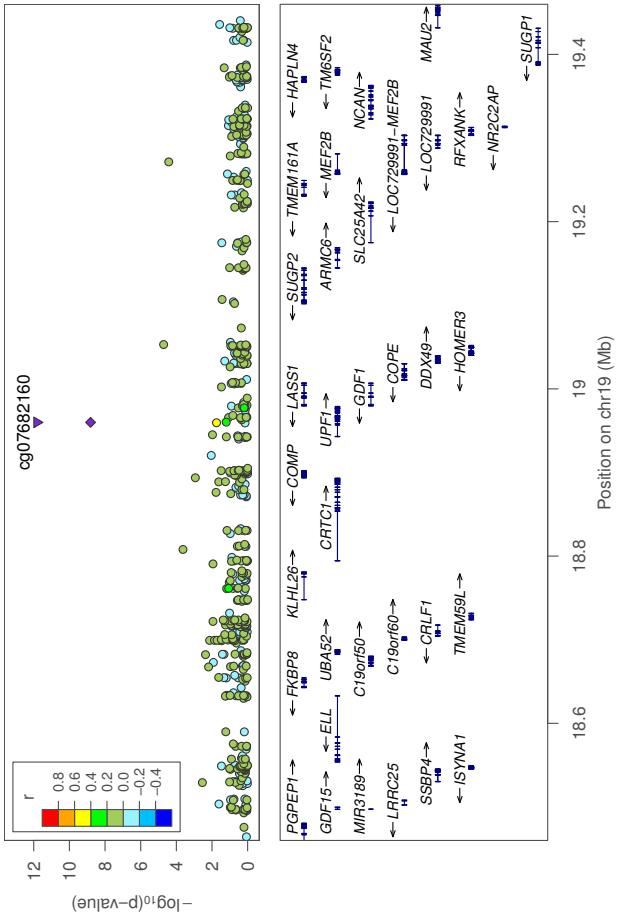
ATG4D



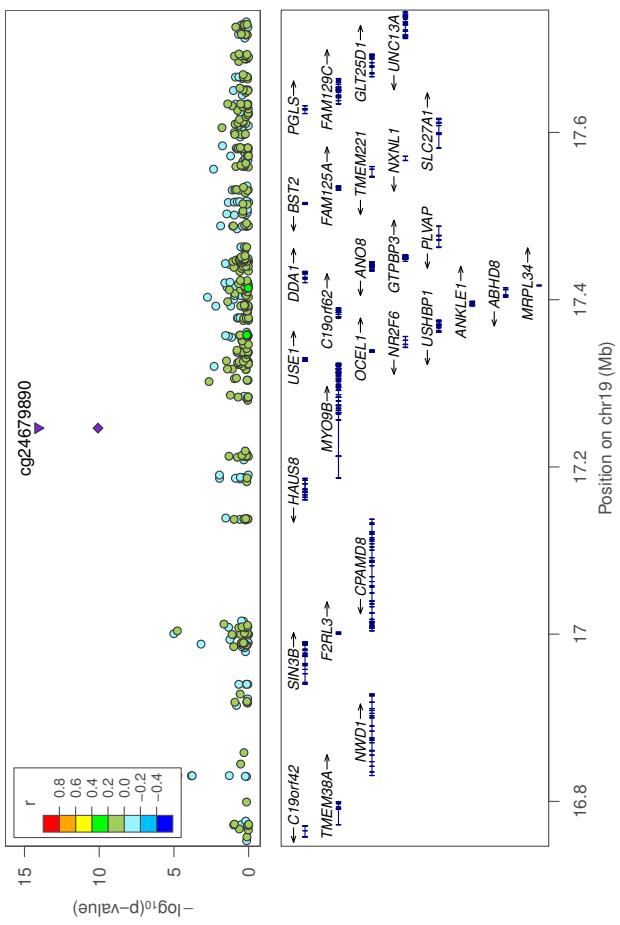
PKN1



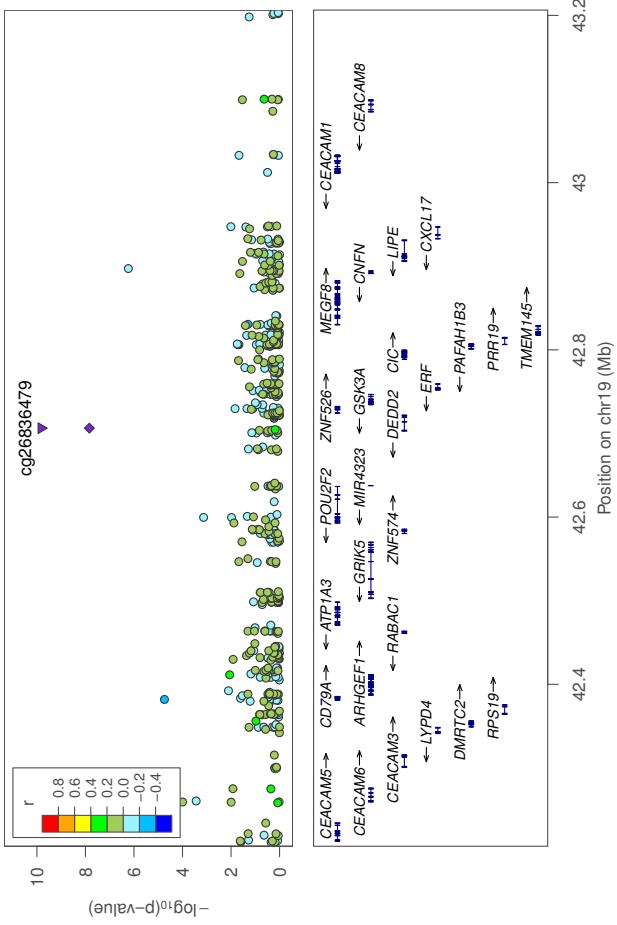
UPF1



MYO9B



DEDD2



43.2

Position on chr19 (Mb)

42.4

42.6

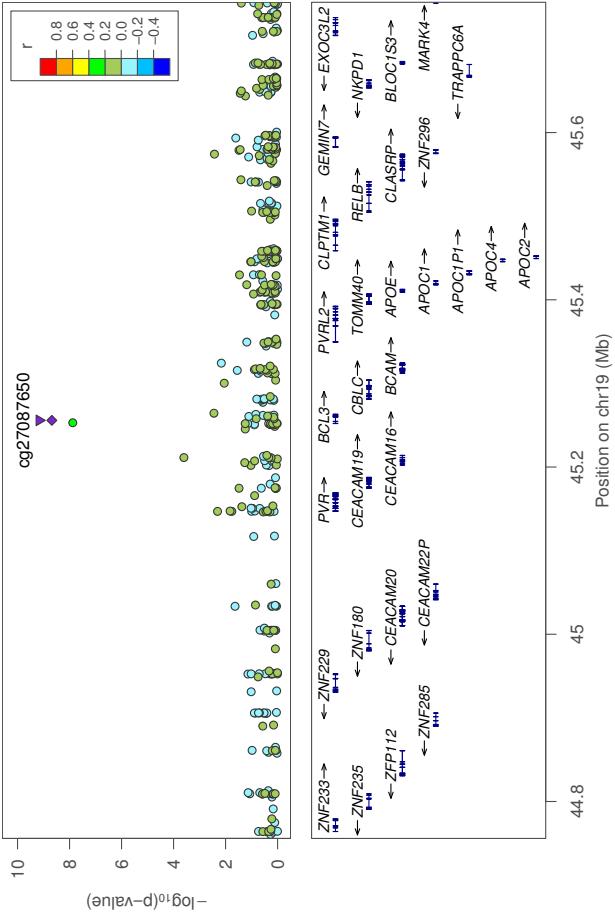
Position on chr19 (Mb)

43

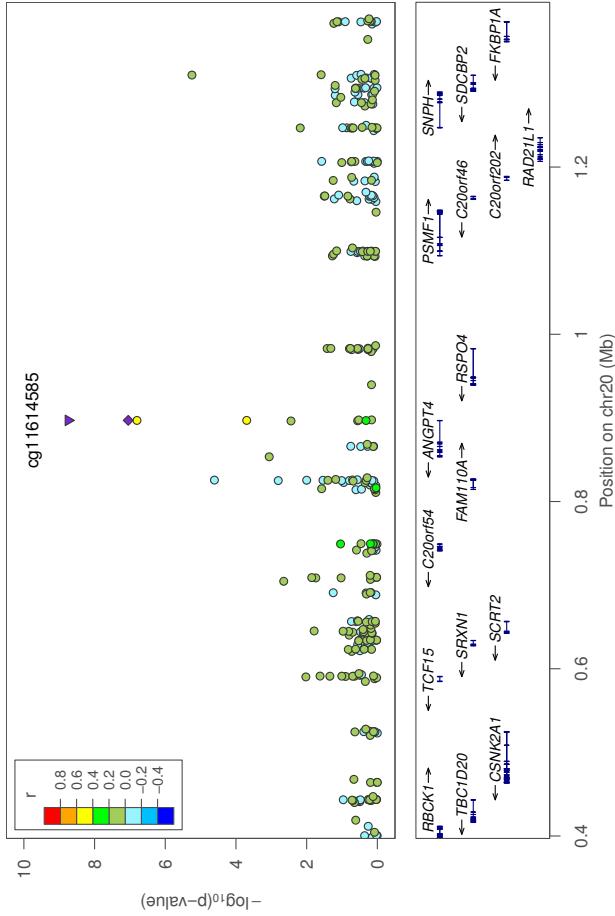
42.8

43

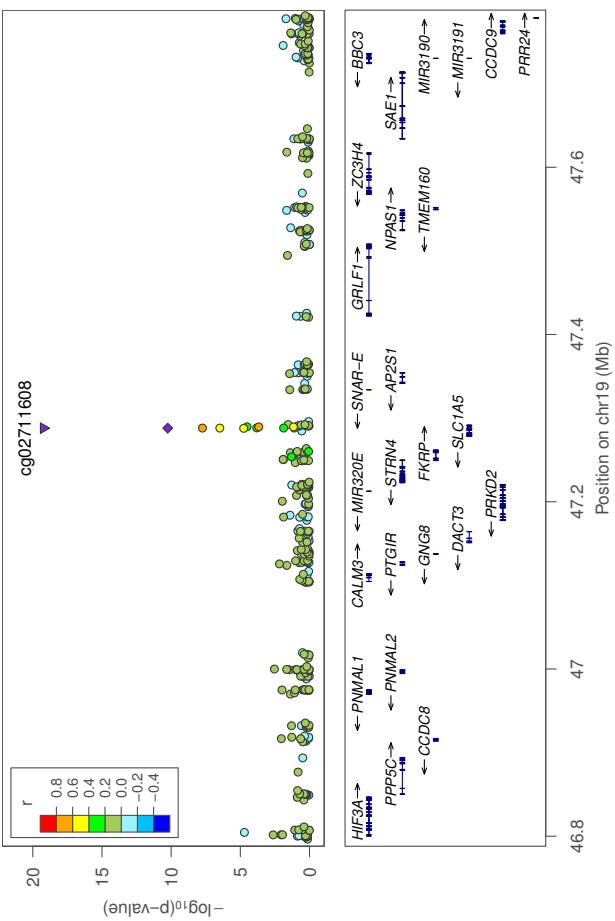
BCL3



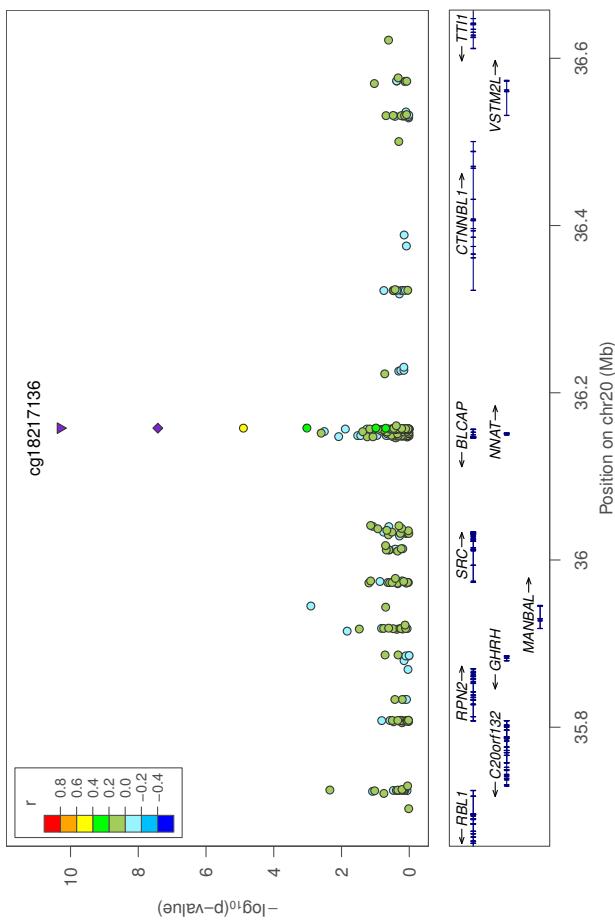
ANGPT4



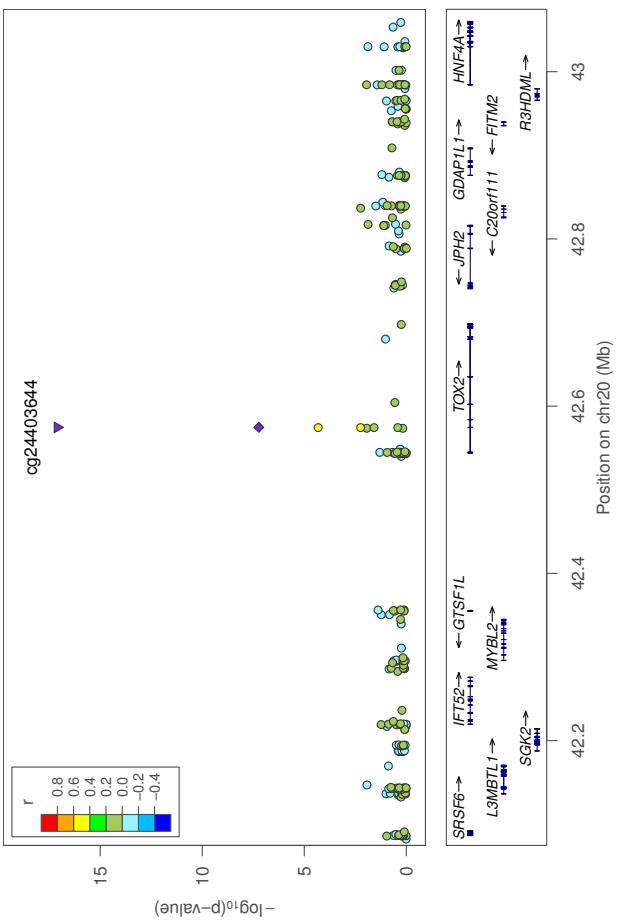
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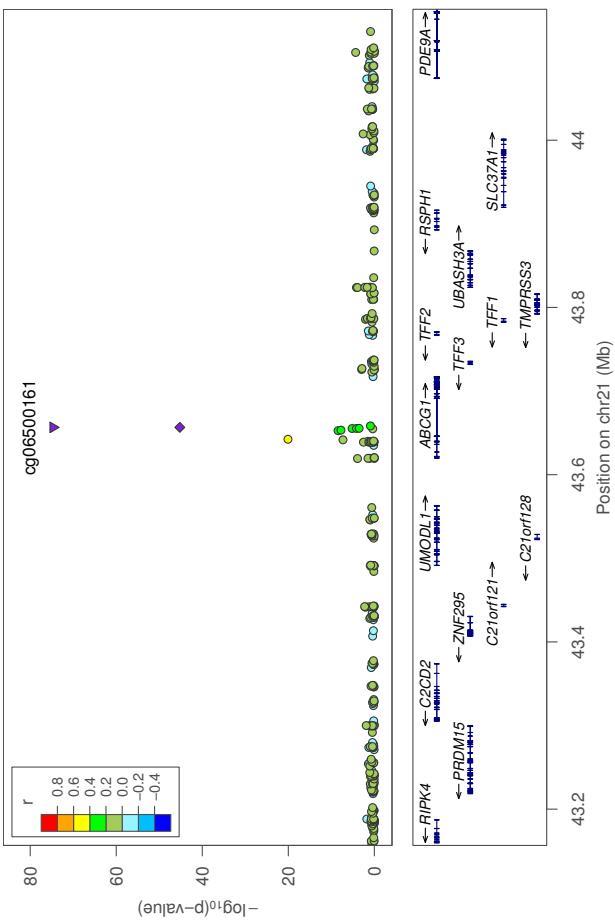
PPIAP3



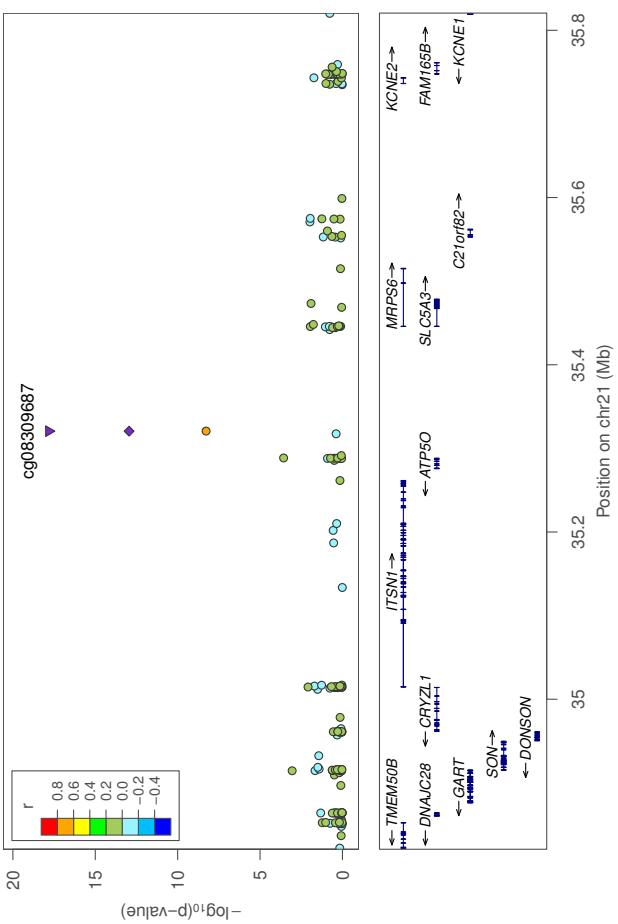
TOX2



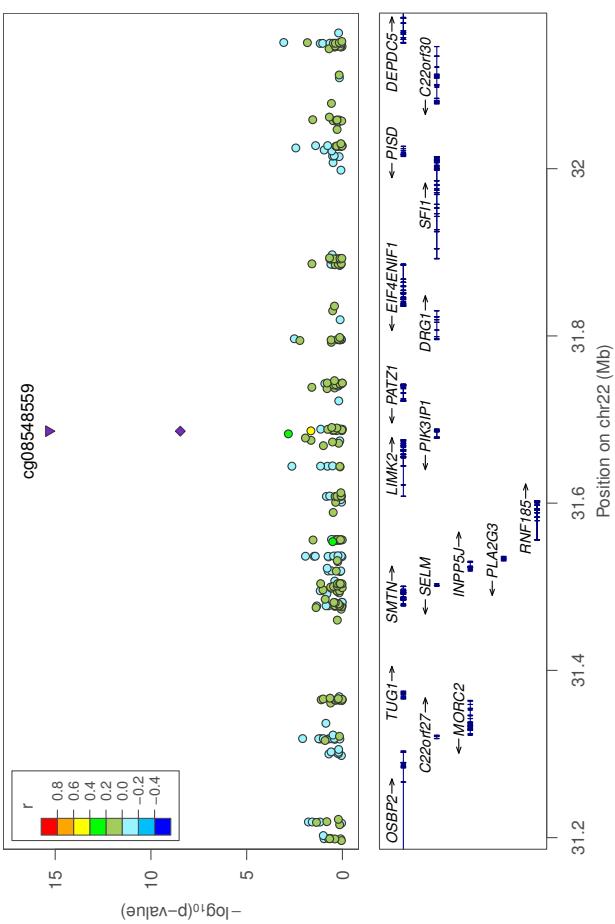
ABCG1



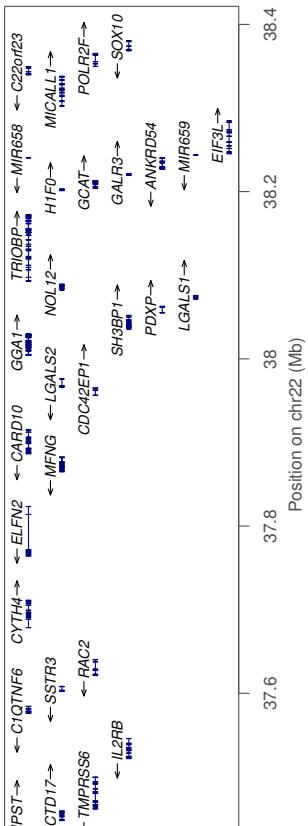
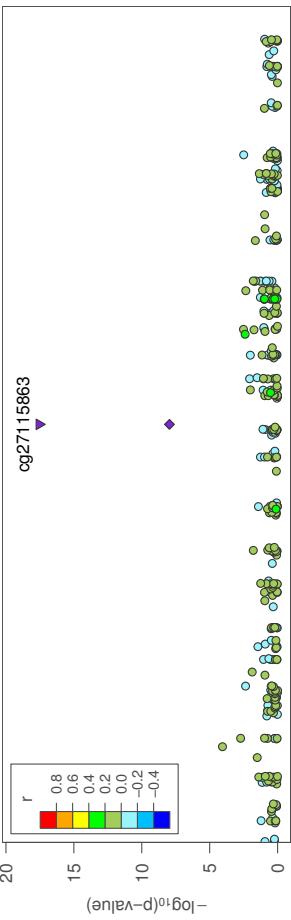
LINC00649



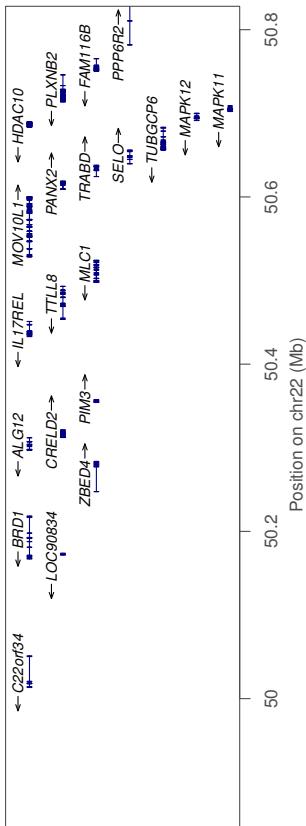
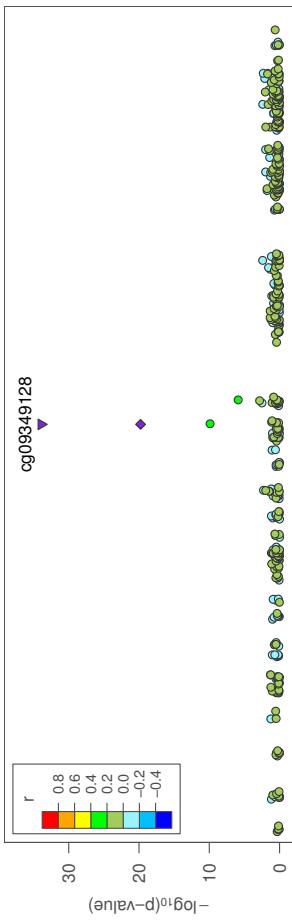
PIK3IP1



CARD10



CRELD2



TAB1

