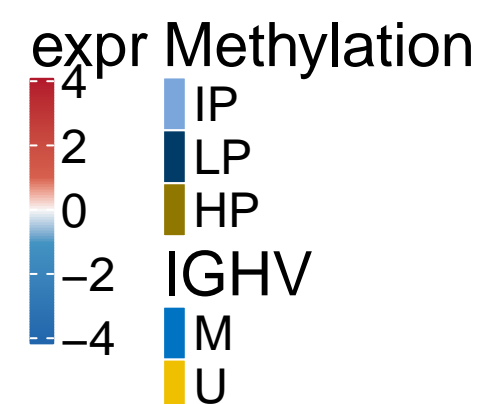


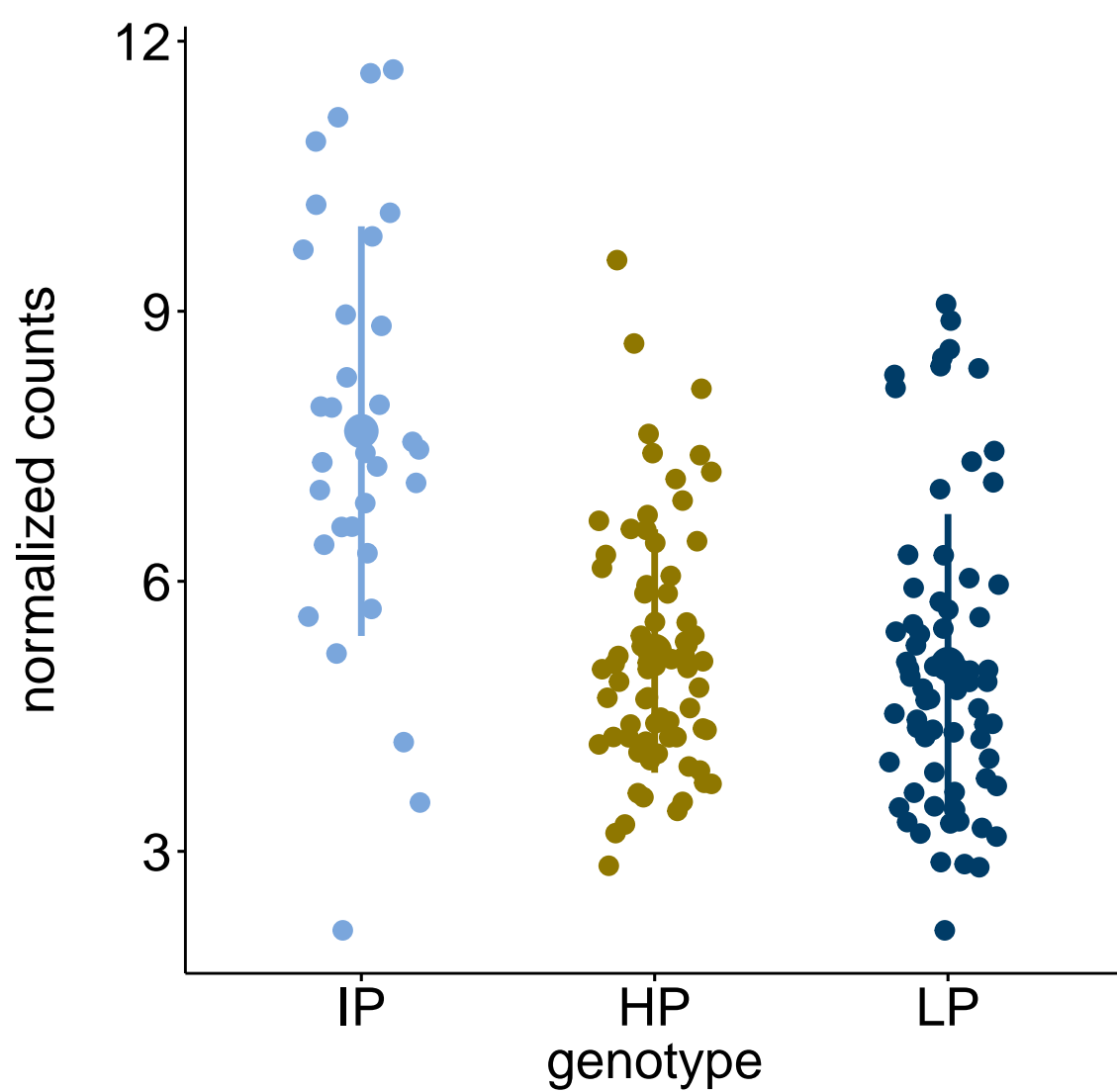
**A****Gene signature: IP group****Methylation****IGHV**

1

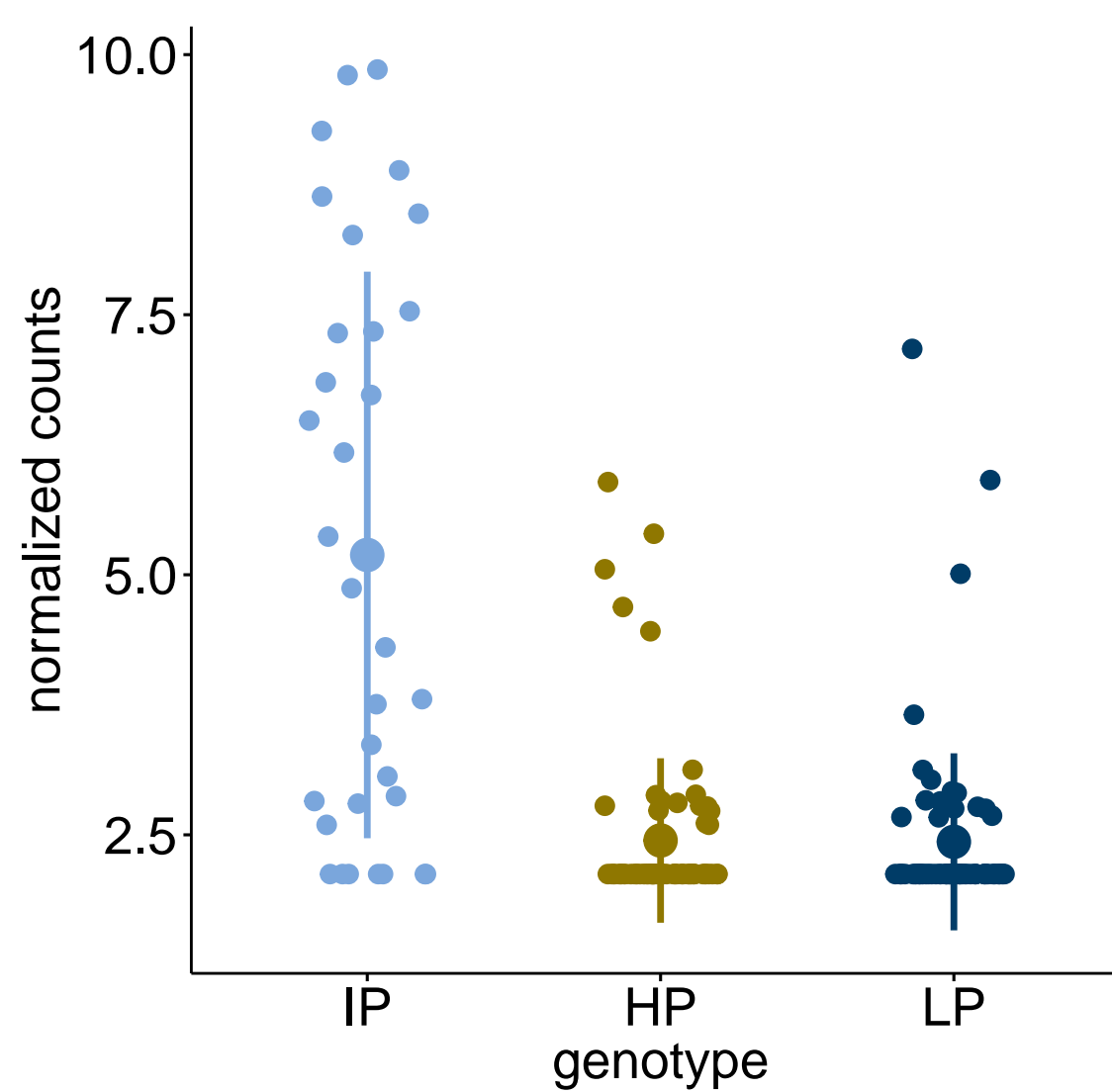
2

FBXO46  
AIM2  
ELFN2  
LAMC3RSPH14  
PSD2  
TAS1R3  
STARD4-AS1  
NREP  
PODXL2  
KLDC8A  
SNASE1  
MECOM  
TAS1R1  
ZBTB48IGKV1OR-2  
MRGPRX4  
SOX11  
LINC01250PITPNC1  
BARX2  
CLDN1  
NACAD  
WHRNCBB2  
GPR111  
GLIA2  
MIR4538  
CLCN4  
SGMS2F12  
PSTPIP2  
EEN2  
FST  
PHLPP1  
PTH2RIGHV4-34  
IGKV1-39  
IGHV3-21**B****LAMC3**

genotype ● IP ● HP ● LP

**C****SOX11**

genotype ● IP ● HP ● LP

**D****NREP**

genotype ● IP ● HP ● LP

