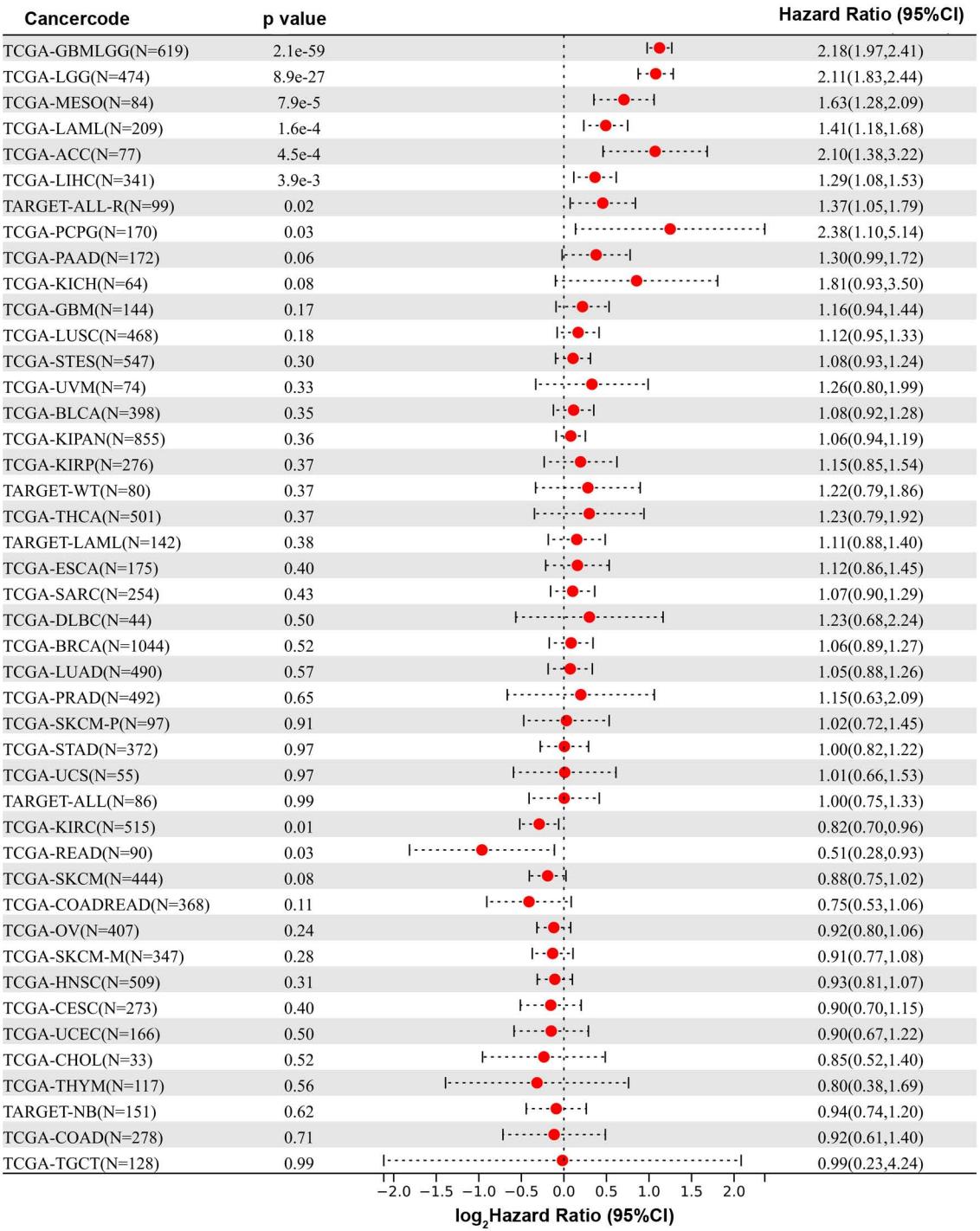
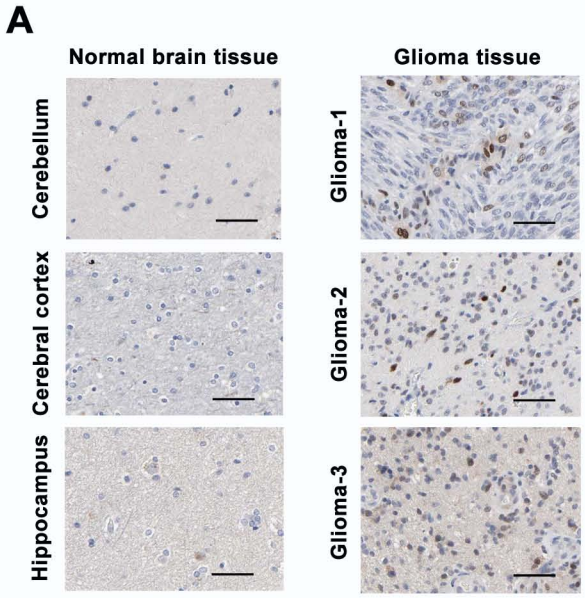
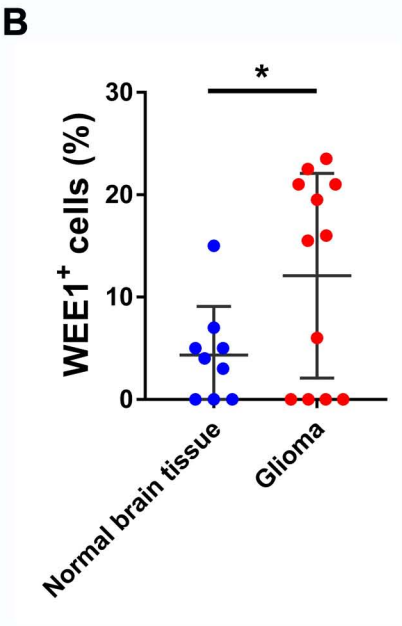
Supplymentary Figure 1

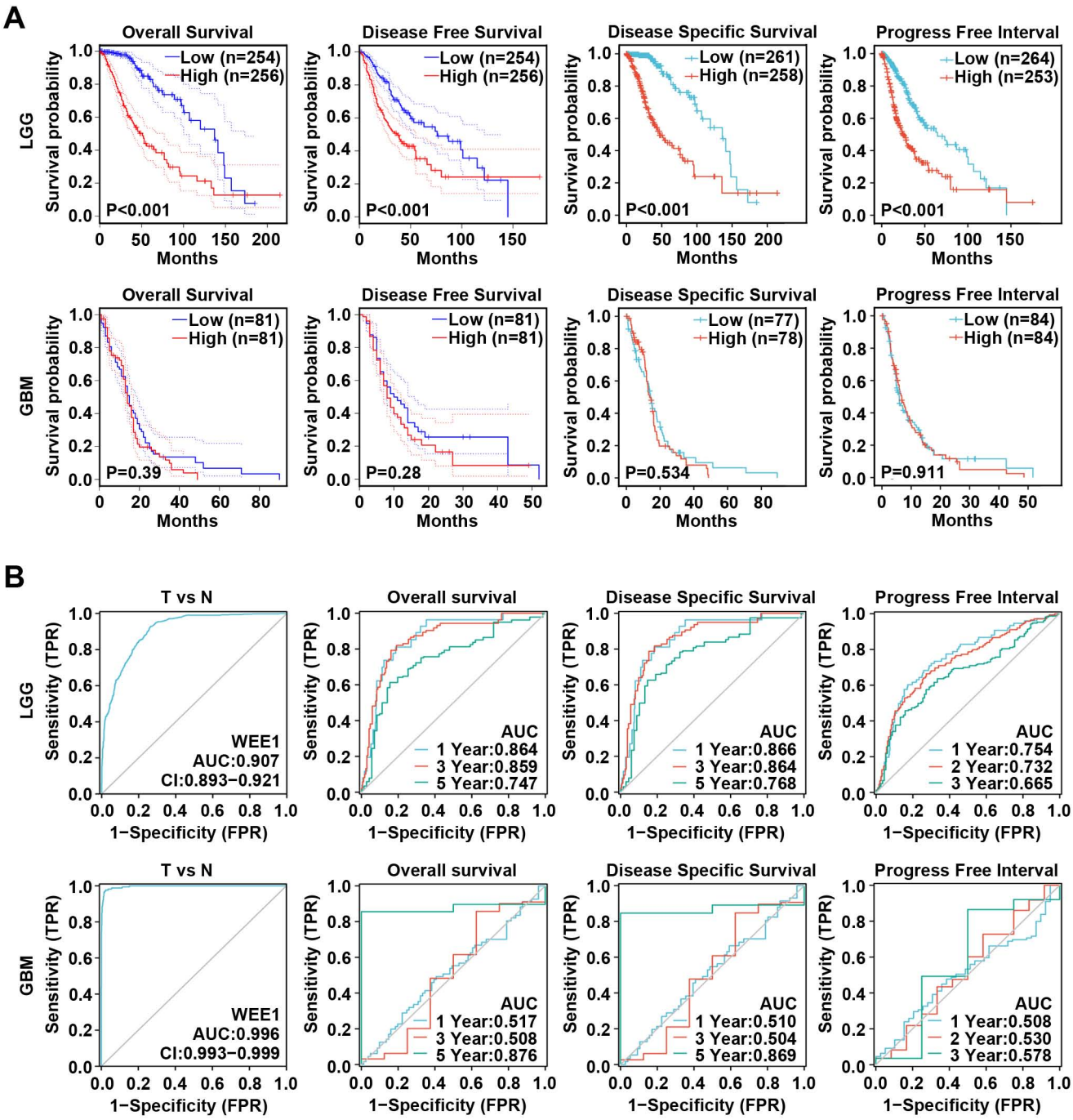


Supplymentary Figure 2

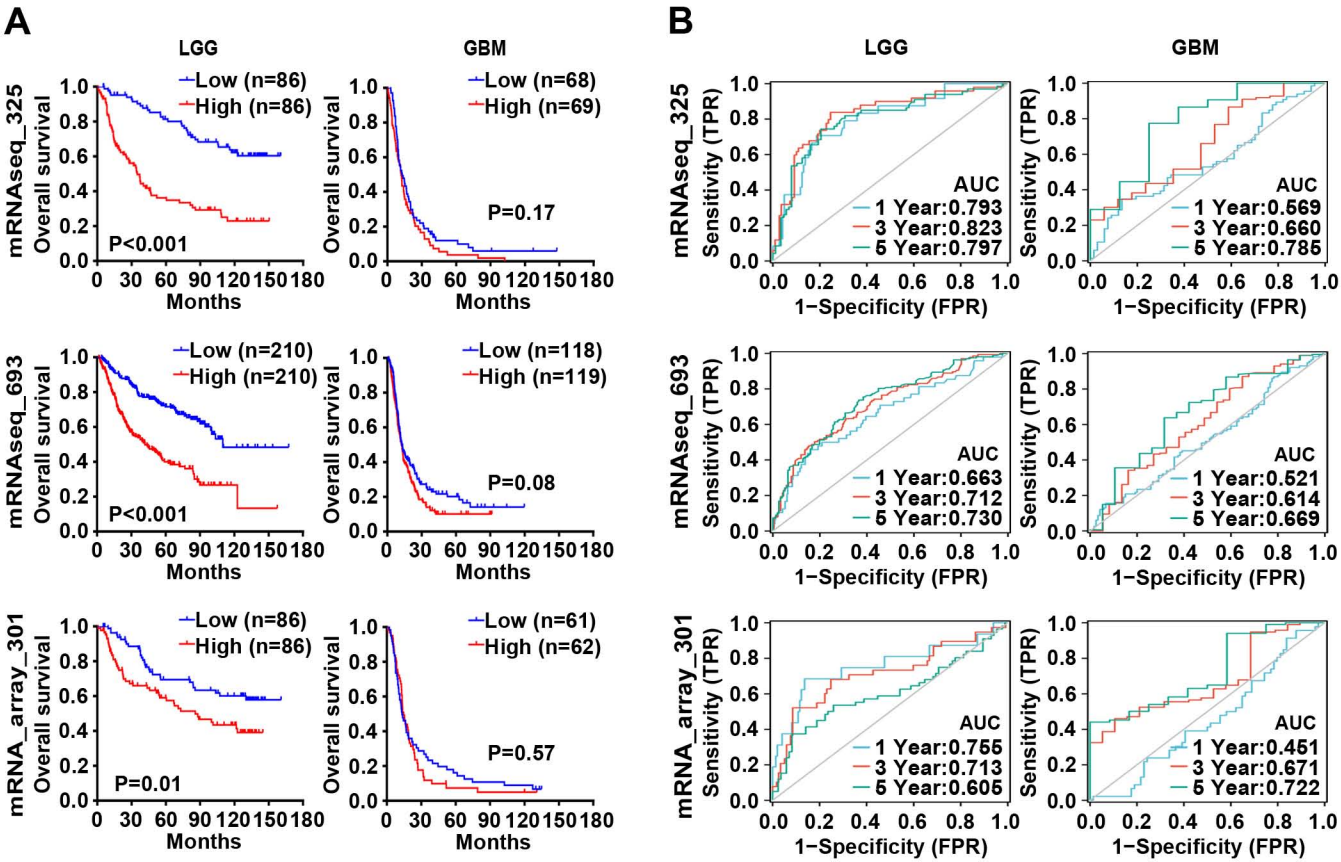




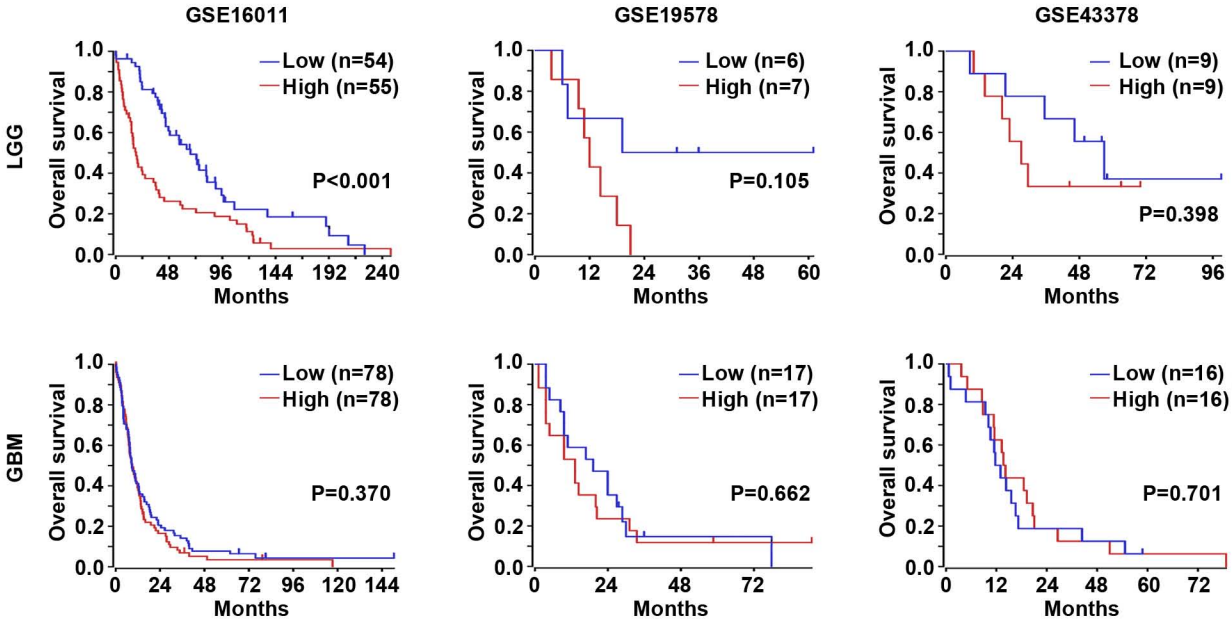
Supplymentary Figure 3



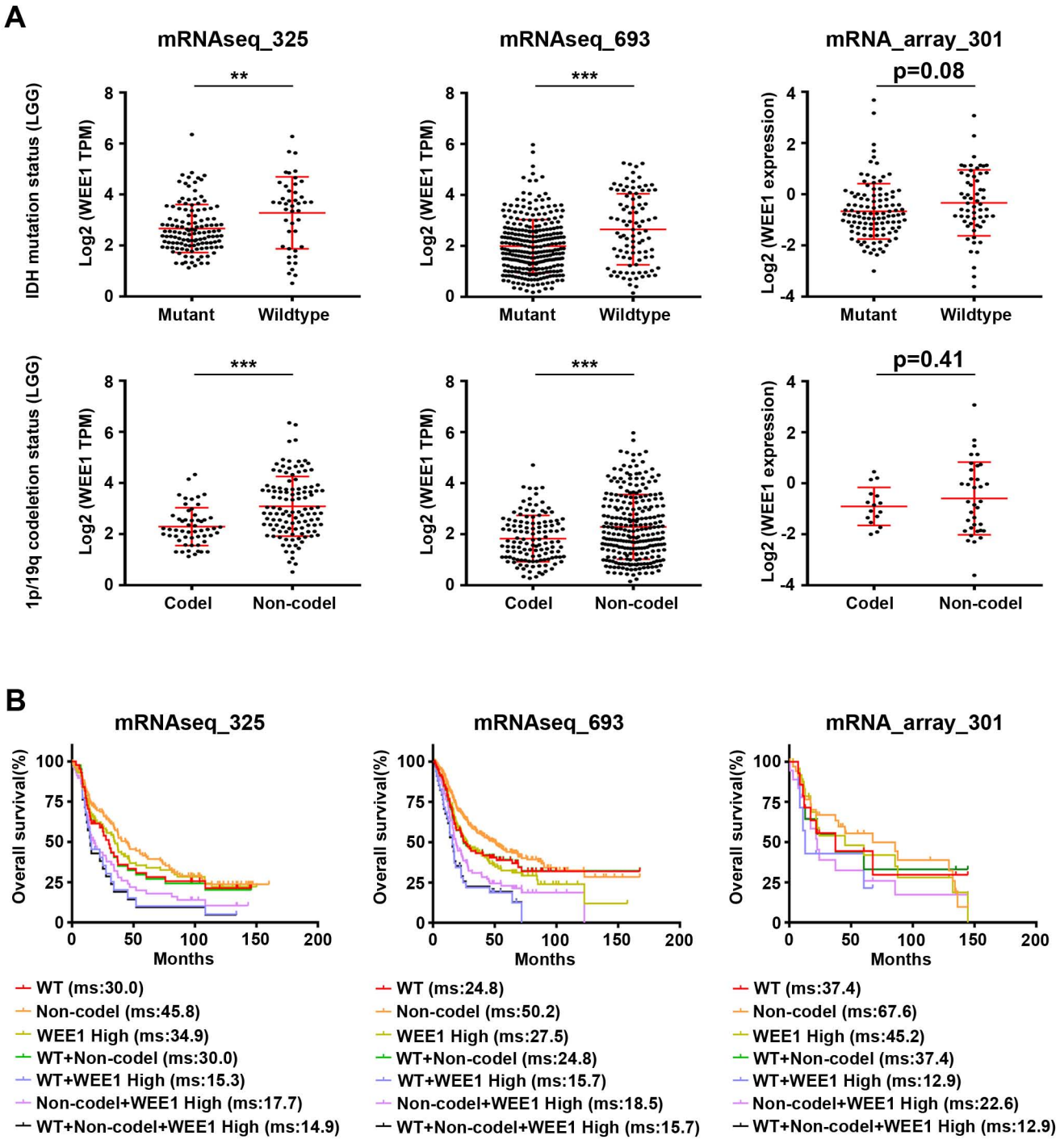
Supplymentary Figure 4



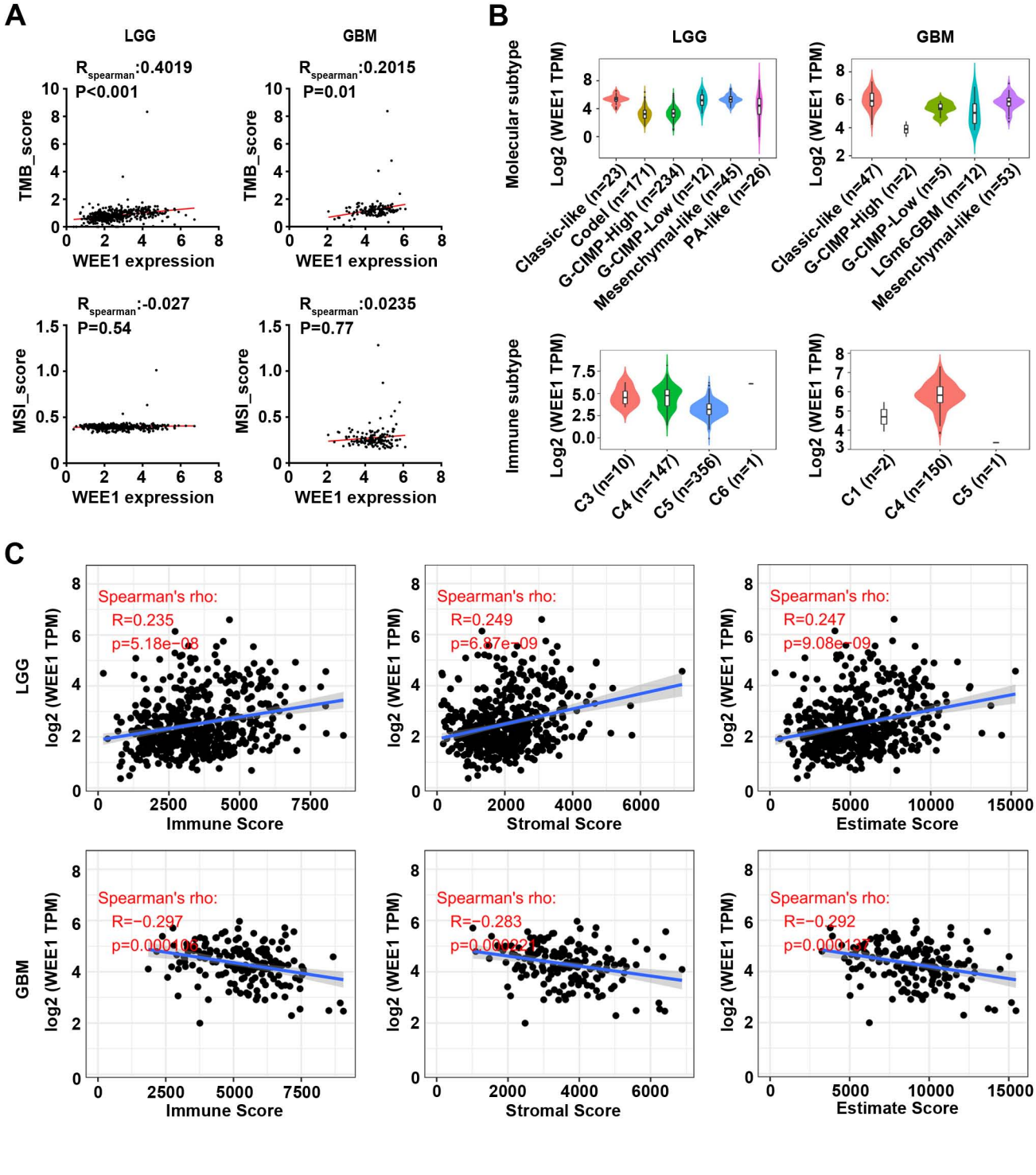
Supplymentary Figure 5



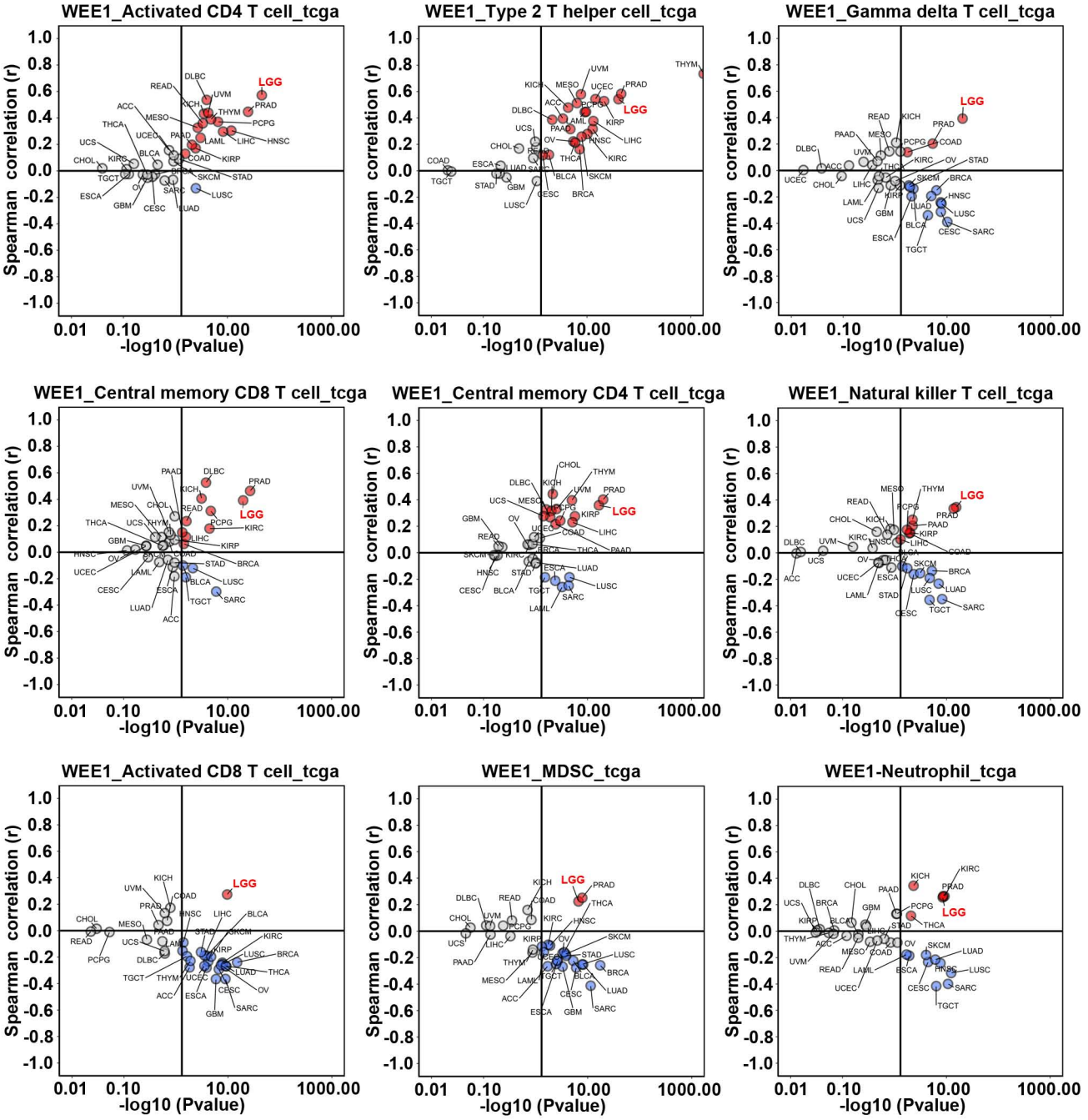
Supplymentary Figure 6



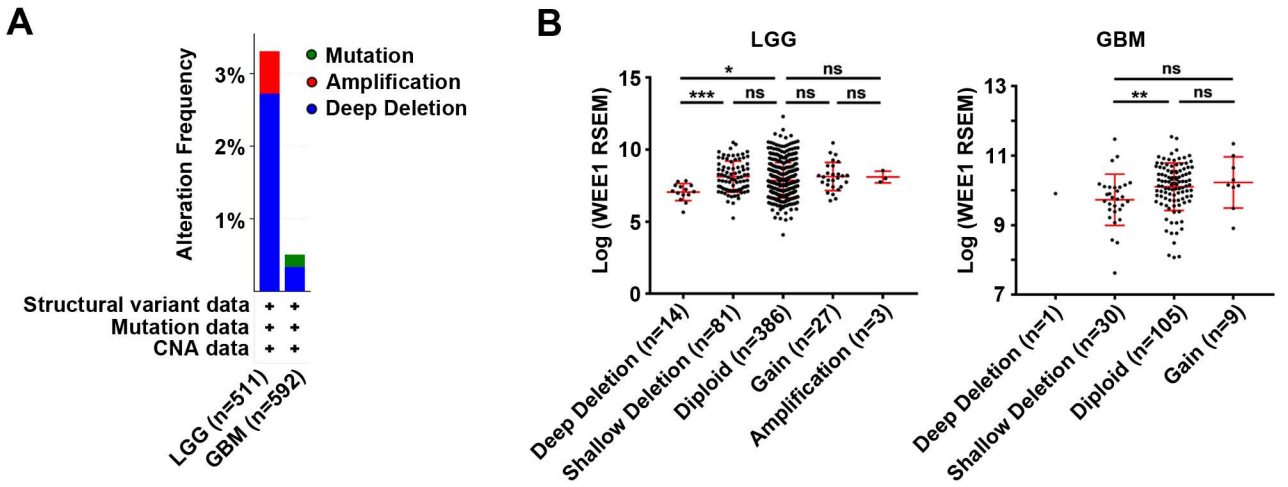
Supplymentary Figure 7

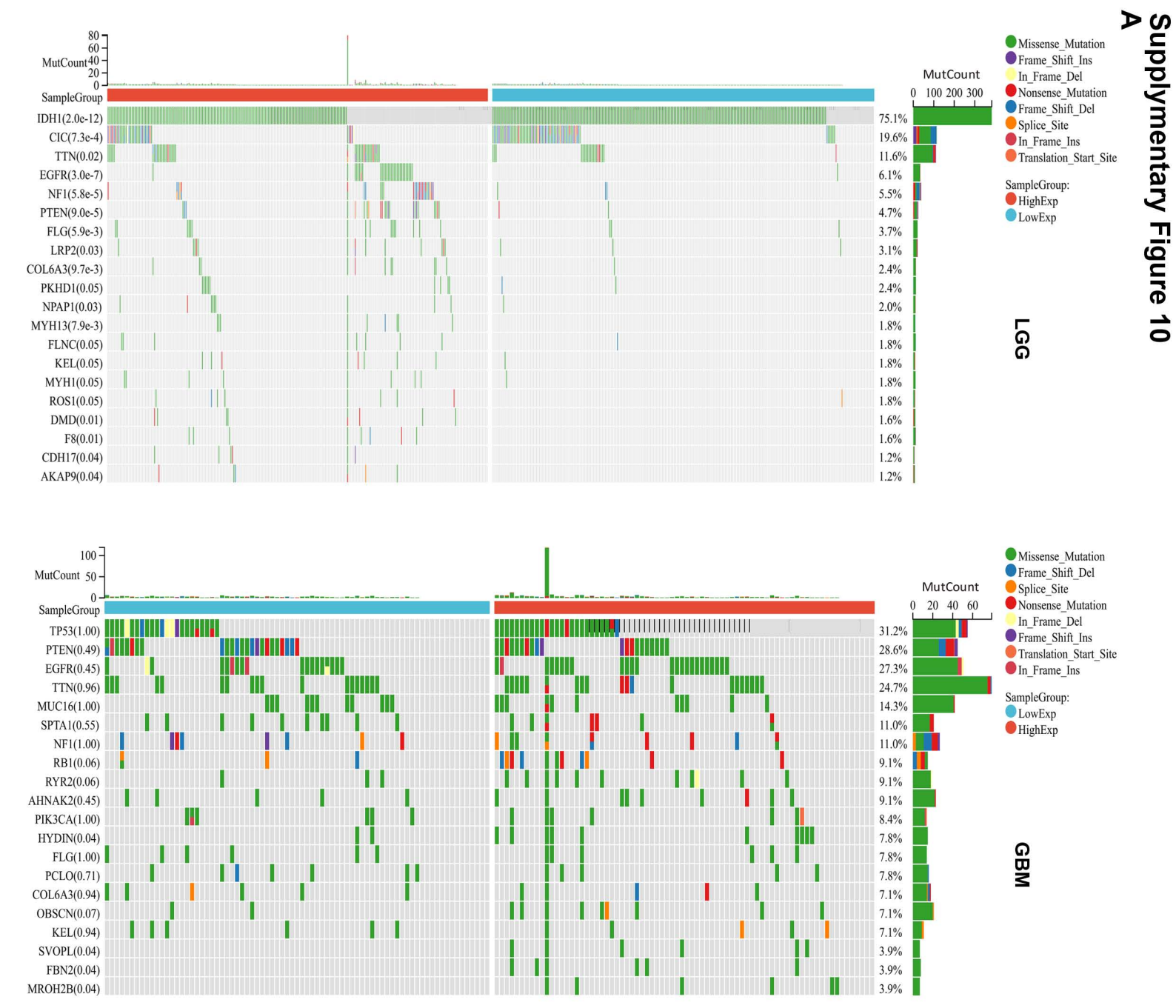


Supplymentary Figure 8

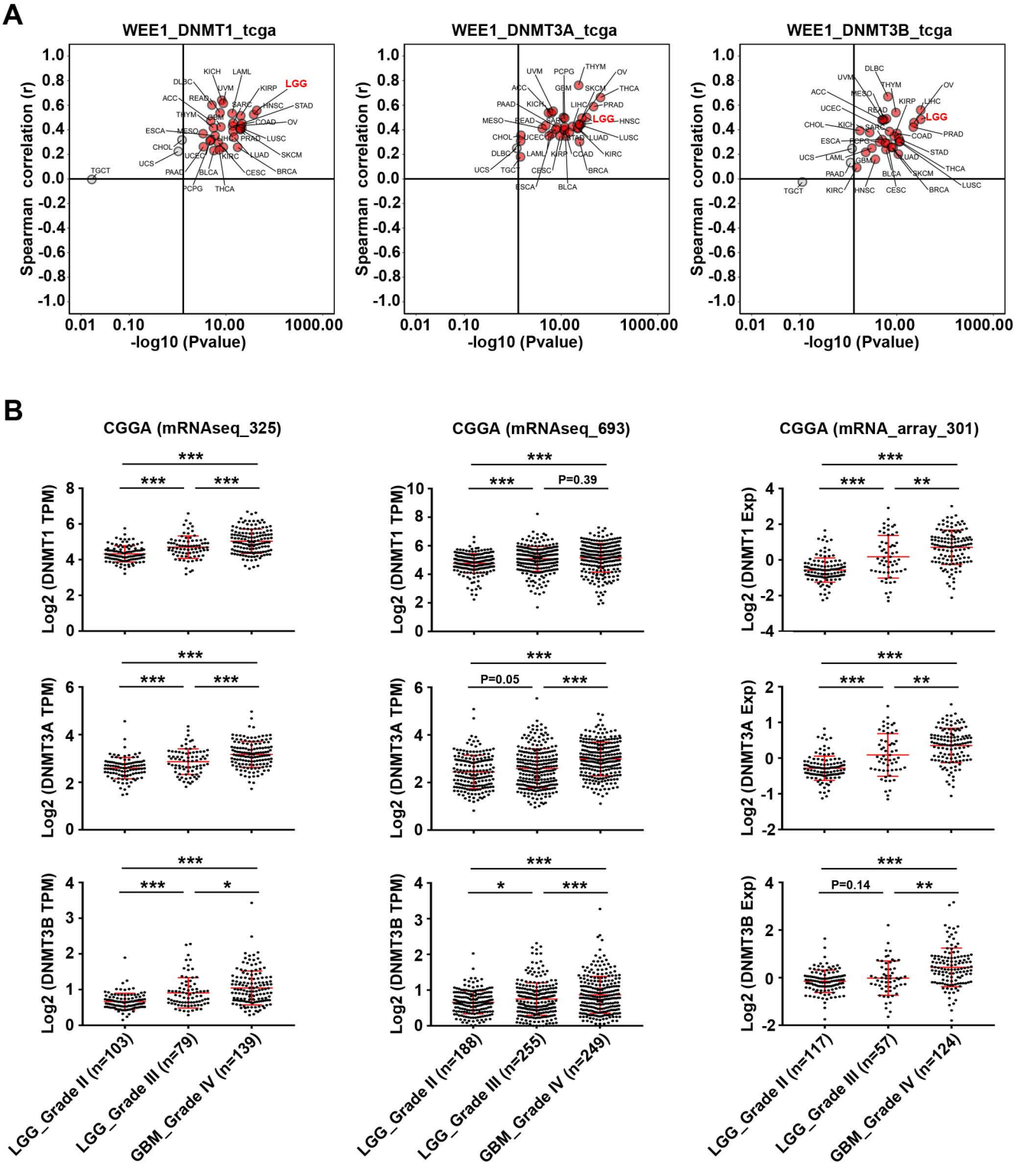


Supplymentary Figure 9

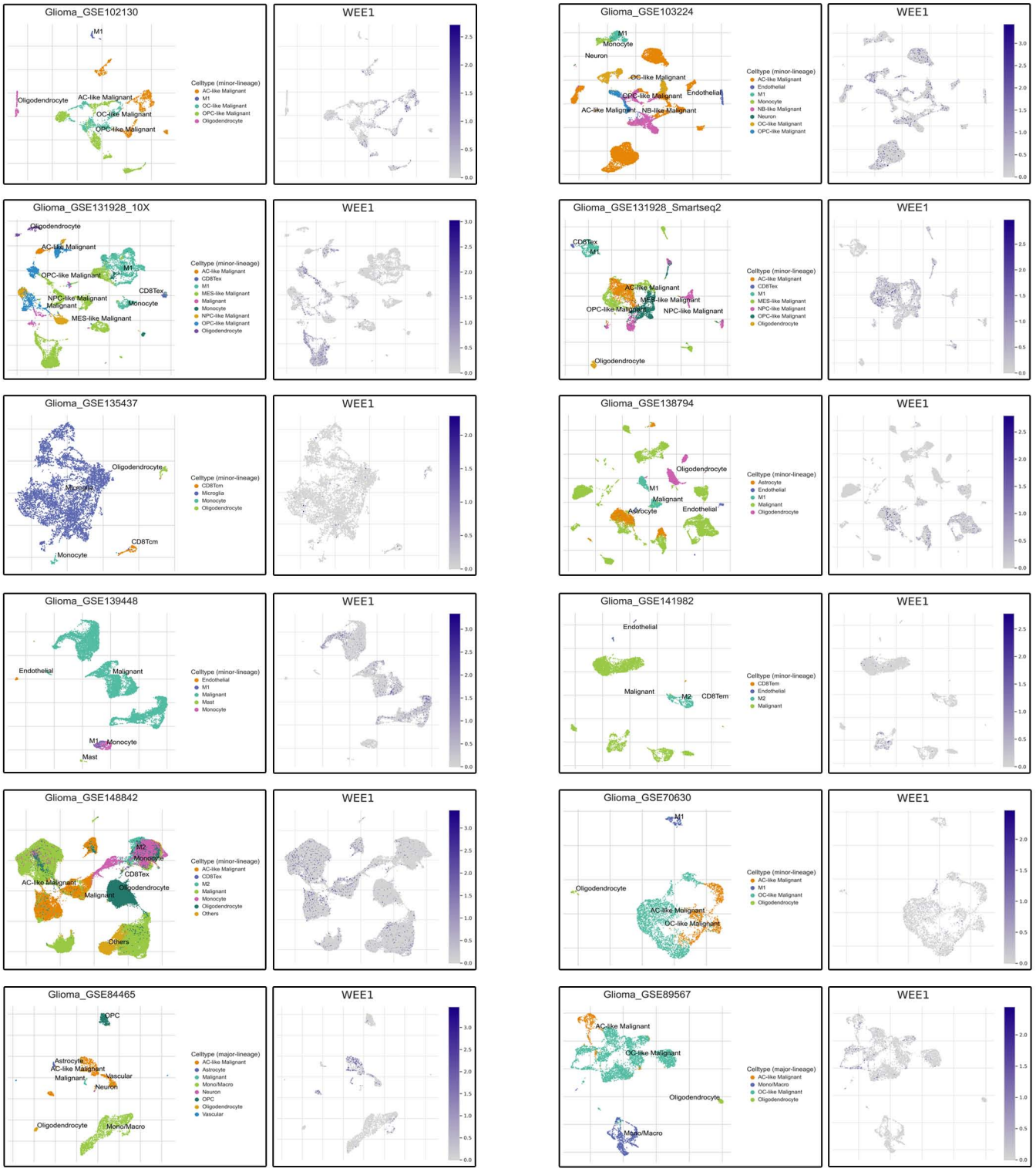



A
Supplymentary Figure 10
MutCount
SampleGroup
IDH1(2.0e-12) 75.1%
CIC(7.3e-4) 19.6%
TTN(0.02) 11.6%
EGFR(3.0e-7) 6.1%
NF1(5.8e-5) 5.5%
PTEN(9.0e-5) 4.7%
FLG(5.9e-3) 3.7%
LRP2(0.03) 3.1%
COL6A3(9.7e-3) 2.4%
PKHD1(0.05) 2.4%
NPAP1(0.03) 2.0%
MYH13(7.9e-3) 1.8%
FLNC(0.05) 1.8%
KEL(0.05) 1.8%
MYH1(0.05) 1.8%
ROS1(0.05) 1.8%
DMD(0.01) 1.6%
F8(0.01) 1.6%
CDH17(0.04) 1.2%
AKAP9(0.04) 1.2%
Missense_Mutation
Frame_Shift_Ins
In_Frame_Del
Nonsense_Mutation
Frame_Shift_Del
Splice_Site
In_Frame_Ins
Translation_Start_Site
SampleGroup:
HighExp
LowExp
LGG
MutCount
SampleGroup
TP53(1.00) 31.2%
PTEN(0.49) 28.6%
EGFR(0.45) 27.3%
TTN(0.96) 24.7%
MUC16(1.00) 14.3%
SPTA1(0.55) 11.0%
NF1(1.00) 11.0%
RB1(0.06) 9.1%
RYR2(0.06) 9.1%
AHNAK2(0.45) 9.1%
PIK3CA(1.00) 8.4%
HYDIN(0.04) 7.8%
FLG(1.00) 7.8%
PCLO(0.71) 7.8%
COL6A3(0.94) 7.1%
OBSCN(0.07) 7.1%
KEL(0.94) 7.1%
SVOPL(0.04) 3.9%
FBN2(0.04) 3.9%
MROH2B(0.04) 3.9%
Missense_Mutation
Frame_Shift_Del
Splice_Site
Nonsense_Mutation
In_Frame_Del
Frame_Shift_Ins
Translation_Start_Site
In_Frame_Ins
SampleGroup:
LowExp
HighExp
GBM

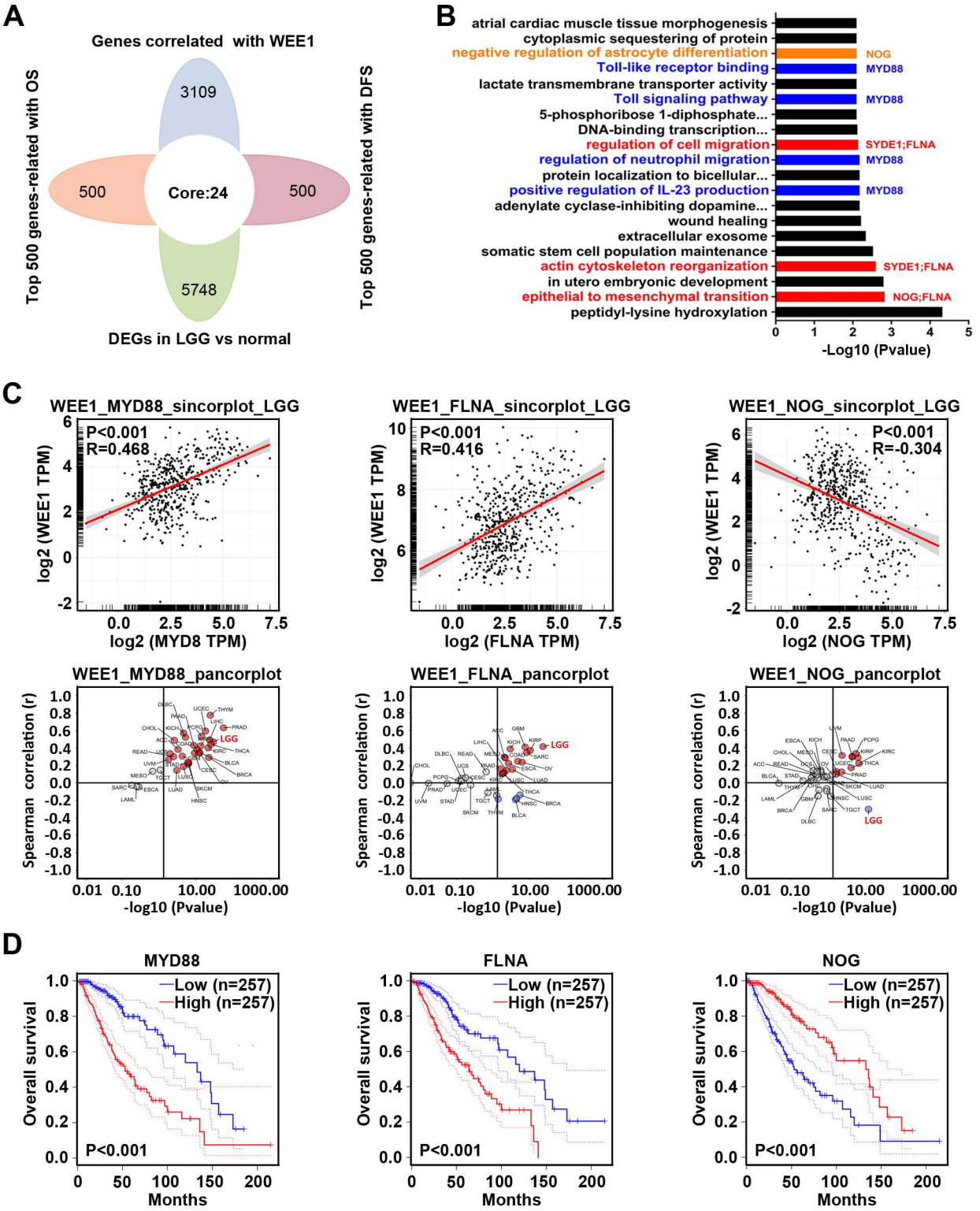
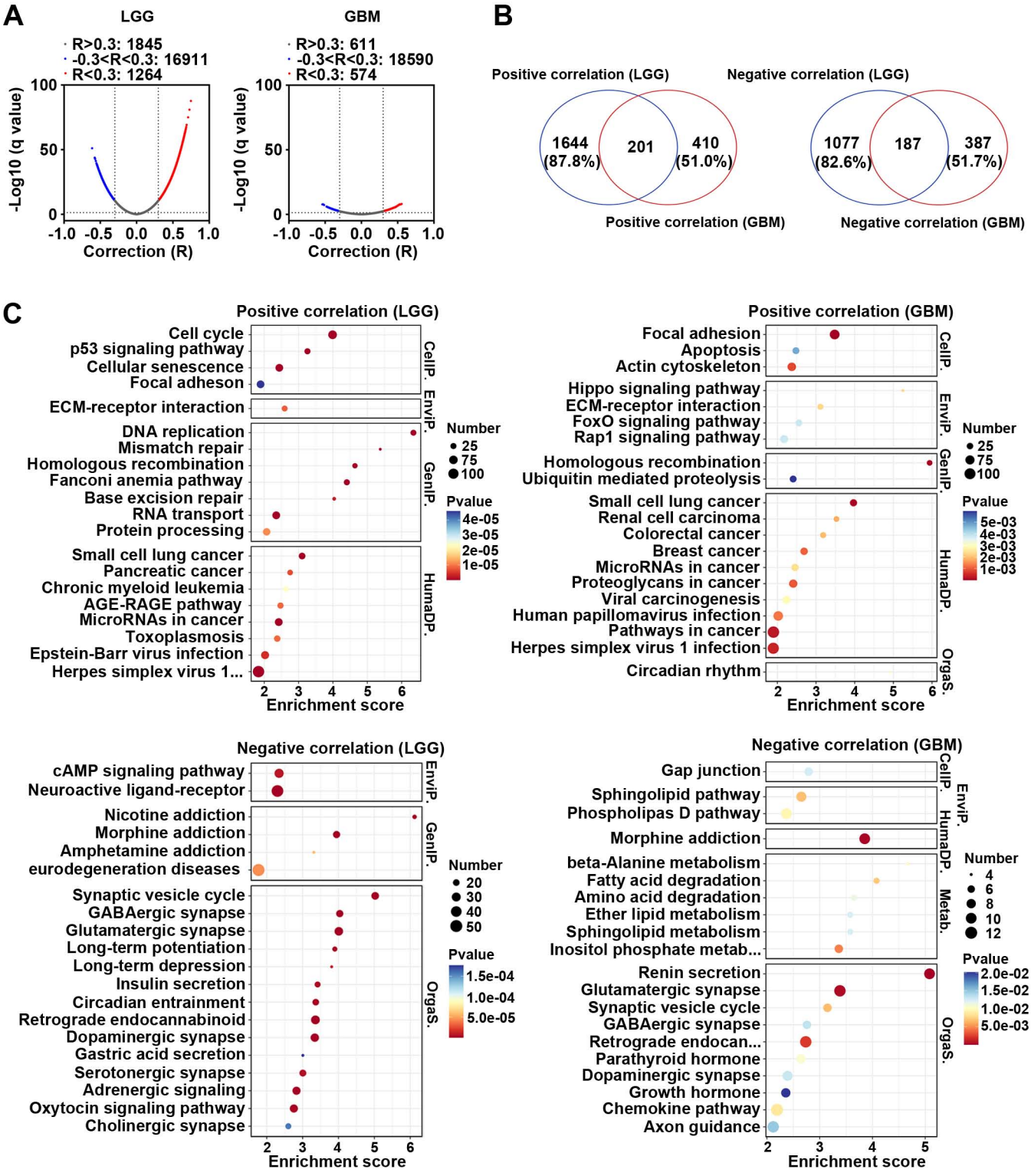
Supplymentary Figure 11



Supplymentary Figure 12



Supplymentary Figure 13



Supplymentary Figure 14