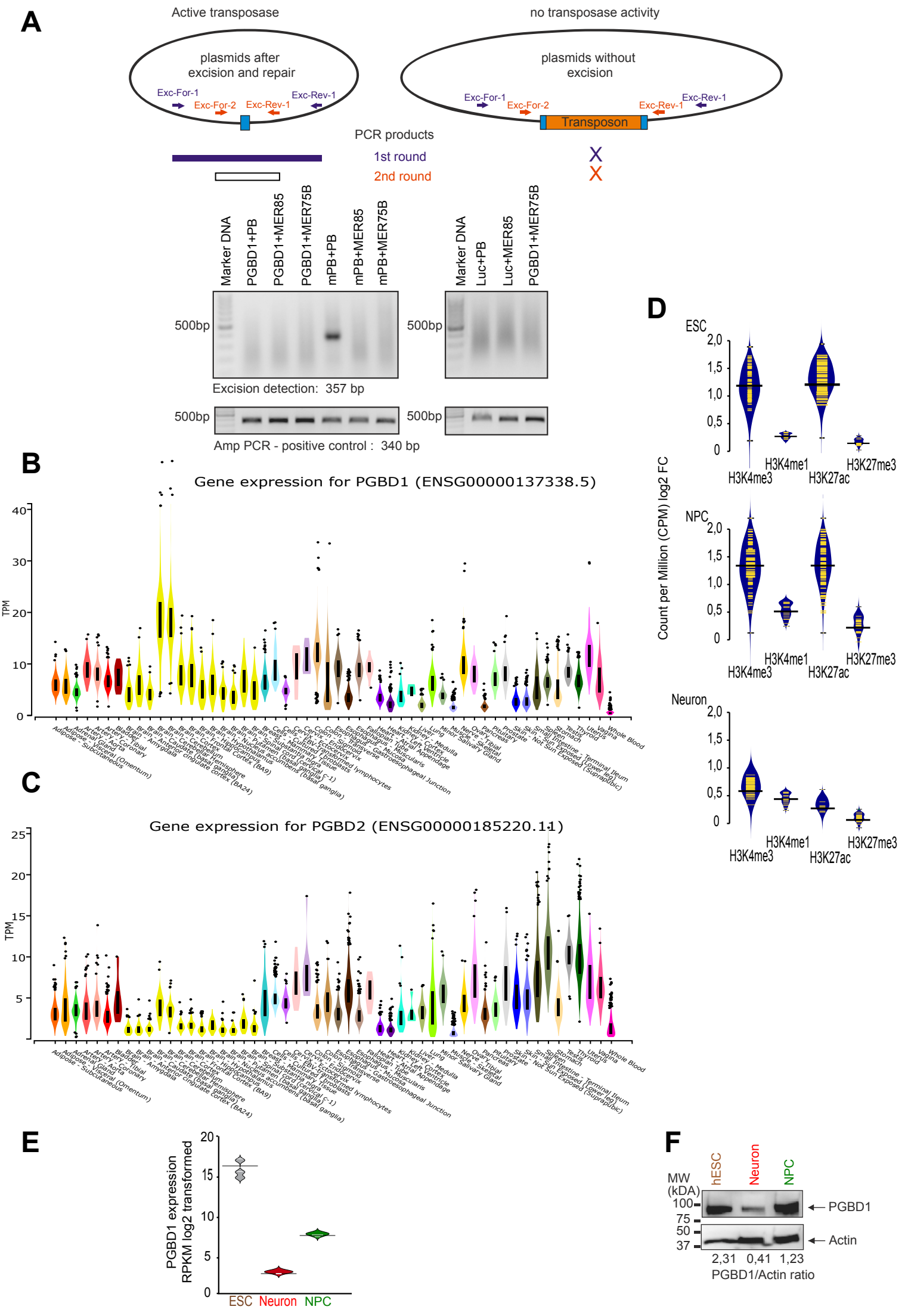
A
Active transposase
no transposase activity
plasmids after excision and repair
plasmids without excision
Exc-For-1
Exc-For-2
Exc-Rev-1
Exc-Rev-1
Transposon
PCR products
1st round
2nd round
Marker DNA
PGBD1+PB
PGBD1+MER85
PGBD1+MER75B
mPB+PB
mPB+MER85
mPB+MER75B
Marker DNA
Luc+PB
Luc+MER85
PGBD1+MER75B
500bp
Excision detection: 357 bp
Amp PCR - positive control : 340 bp
B
Gene expression for PGBD1 (ENSG00000137338.5)
TPM
C
Gene expression for PGBD2 (ENSG00000185220.11)
TPM
D
ESC
NPC
Neuron
Count per Million (CPM) log2 FC
H3K4me3
H3K4me1
H3K27ac
H3K27me3
E
PGBD1 expression RPKM log2 transformed
ESC
Neuron
NPC
F
MW (kDA)
hESC
Neuron
NPC
100
75
50
37
PGBD1
Actin
2,31
0,41
1,23
PGBD1/Actin ratio