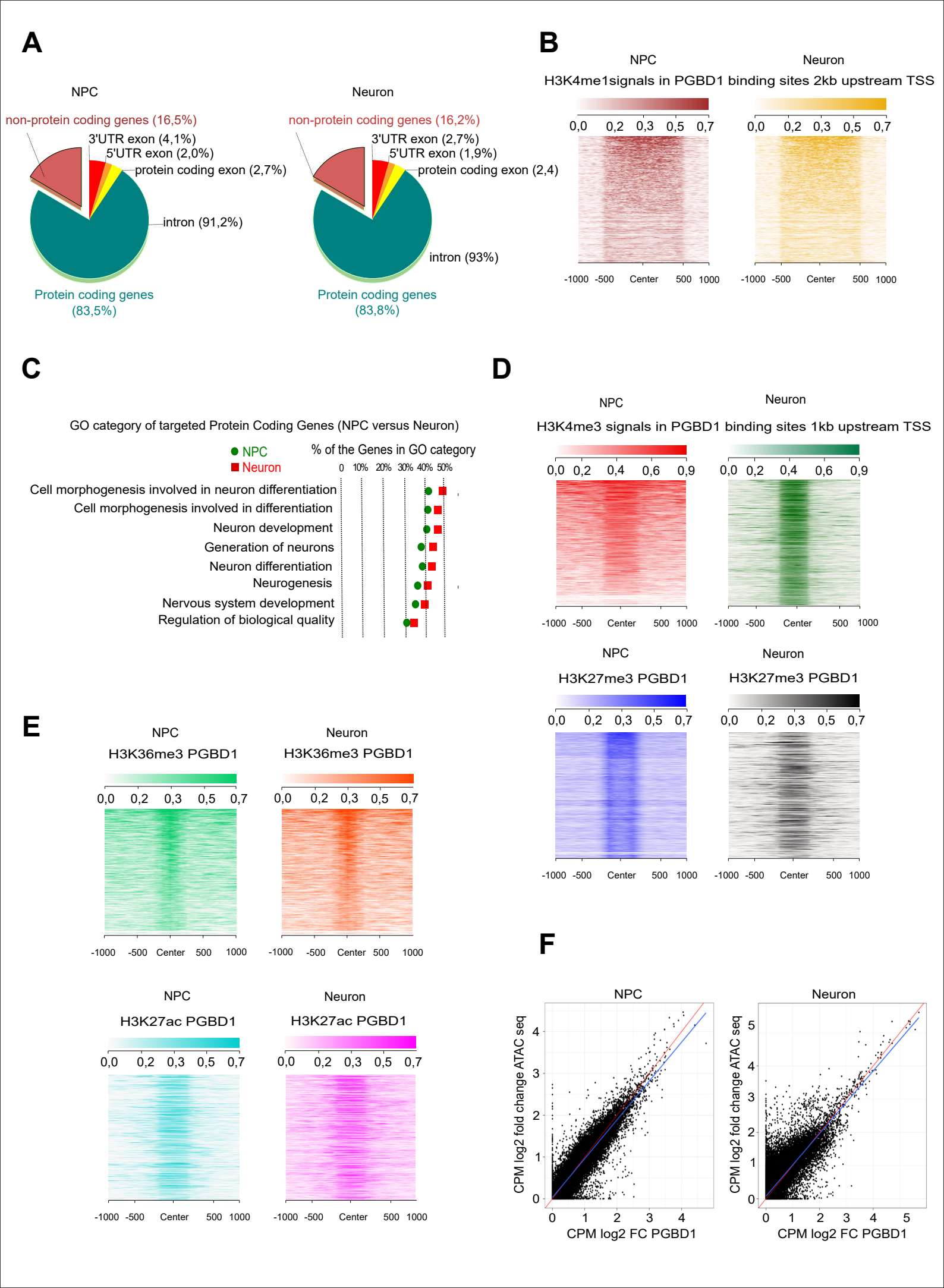
A
NPC
non-protein coding genes (16,5%)
3'UTR exon (4,1%)
5'UTR exon (2,0%)
protein coding exon (2,7%)
intron (91,2%)
Protein coding genes (83,5%)
Neuron
non-protein coding genes (16,2%)
3'UTR exon (2,7%)
5'UTR exon (1,9%)
protein coding exon (2,4)
intron (93%)
Protein coding genes (83,8%)
B
NPC
Neuron
H3K4me1signals in PGBD1 binding sites 2kb upstream TSS
0,0 0,2 0,3 0,5 0,7
-1000 -500 Center 500 1000
C
GO category of targeted Protein Coding Genes (NPC versus Neuron)
NPC
Neuron
% of the Genes in GO category
0 10% 20% 30% 40% 50%
Cell morphogenesis involved in neuron differentiation
Cell morphogenesis involved in differentiation
Neuron development
Generation of neurons
Neuron differentiation
Neurogenesis
Nervous system development
Regulation of biological quality
D
NPC
Neuron
H3K4me3 signals in PGBD1 binding sites 1kb upstream TSS
0,0 0,2 0,4 0,6 0,9
-1000 -500 Center 500 1000
NPC
Neuron
H3K27me3 PGBD1
H3K27me3 PGBD1
0,0 0,2 0,3 0,5 0,7
-1000 -500 Center 500 1000
E
NPC
Neuron
H3K36me3 PGBD1
H3K36me3 PGBD1
0,0 0,2 0,3 0,5 0,7
-1000 -500 Center 500 1000
NPC
Neuron
H3K27ac PGBD1
H3K27ac PGBD1
0,0 0,2 0,3 0,5 0,7
-1000 -500 Center 500 1000
F
NPC
Neuron
CPM log2 fold change ATAC seq
CPM log2 FC PGBD1
0 1 2 3 4 5