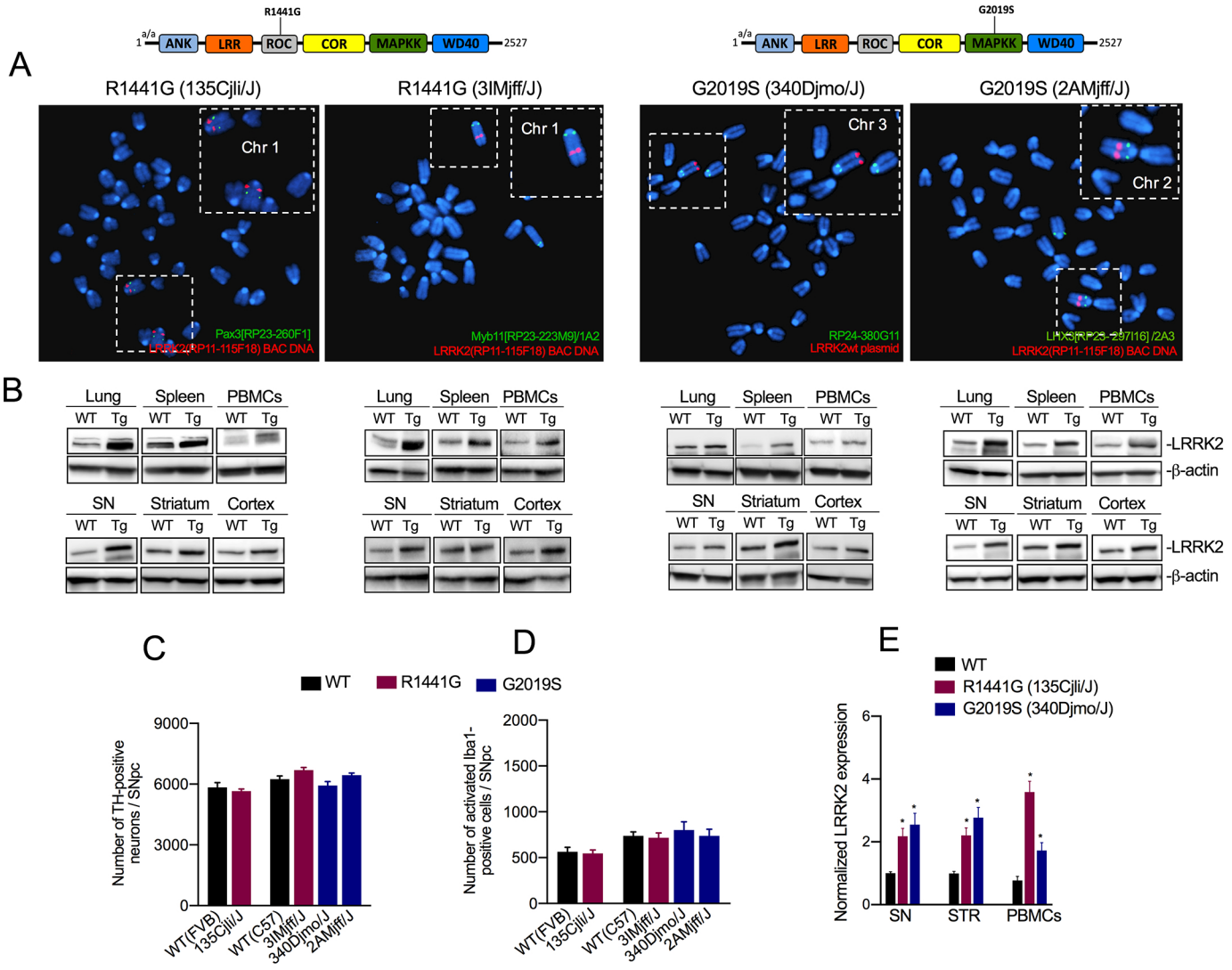
A
R1441G
a/a
1
ANK
LRR
ROC
COR
MAPKK
WD40
2527
G2019S
R1441G (135Cjli/J)
R1441G (3IMjff/J)
G2019S (340Djmo/J)
G2019S (2AMjff/J)
Chr 1
Chr 1
Chr 3
Chr 2
Pax3[RP23-260F1]
LRRK2(RP11-115F18) BAC DNA
Myb11[RP23-223M9]/1A2
LRRK2(RP11-115F18) BAC DNA
RP24-380G11
LRRK2wt plasmid
LRRK2(RP11-115F18) BAC DNA
B
Lung
Spleen
PBMCs
SN
Striatum
Cortex
WT
Tg
-LRRK2
-β-actin
C
WT
R1441G
G2019S
Number of TH-positive neurons / SNpc
9000
6000
3000
0
WT(FVB)
135Cjli/J
WT(C57)
3IMjff/J
340Djmo/J
2AMjff/J
D
Number of activated Iba1-positive cells / SNpc
2000
1500
1000
500
0
E
WT
R1441G (135Cjli/J)
G2019S (340Djmo/J)
Normalized LRRK2 expression
6
4
2
0
SN
STR
PBMCs