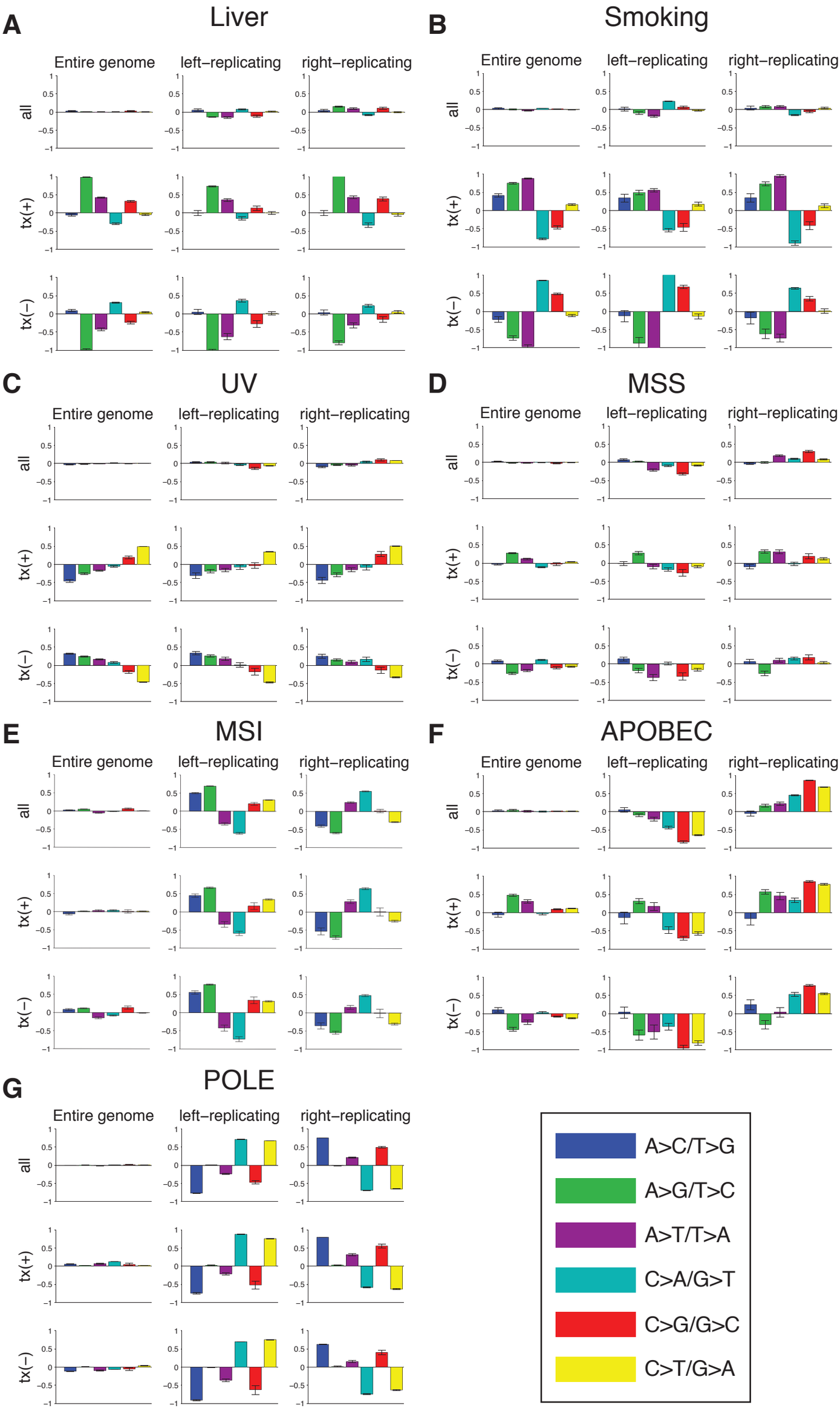
A
Liver
B
Smoking
C
UV
D
MSS
E
MSI
F
APOBEC
G
POLE
Entire genome
left−replicating
right−replicating
all
tx(+)
tx(−)
A>C/T>G
A>G/T>C
A>T/T>A
C>A/G>T
C>G/G>C
C>T/G>A