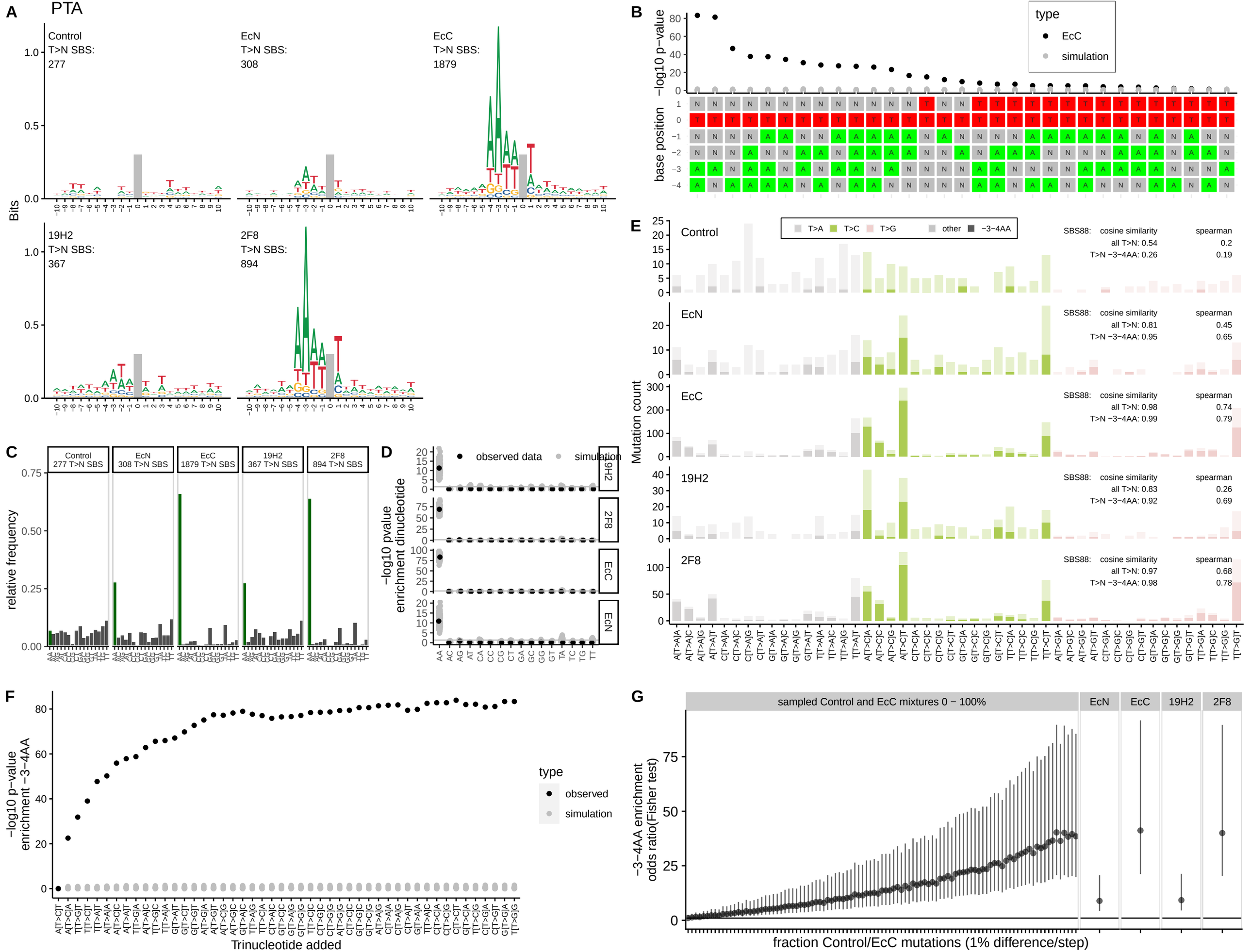
A
PTA
Control
T>N SBS:
277
EcN
T>N SBS:
308
EcC
T>N SBS:
1879
19H2
T>N SBS:
367
2F8
T>N SBS:
894
Bits
B
type
EcC
simulation
−log10 p−value
base position
C
Control
277 T>N SBS
EcN
308 T>N SBS
EcC
1879 T>N SBS
19H2
367 T>N SBS
2F8
894 T>N SBS
relative frequency
D
observed data
simulation
−log10 pvalue
enrichment dinucleotide
19H2
2F8
EcC
EcN
E
Control
T>A
T>C
T>G
other
−3−4AA
SBS88: cosine similarity spearman
all T>N: 0.54 0.2
T>N −3−4AA: 0.26 0.19
EcN
all T>N: 0.81 0.45
T>N −3−4AA: 0.95 0.65
EcC
all T>N: 0.98 0.74
T>N −3−4AA: 0.99 0.79
19H2
all T>N: 0.83 0.26
T>N −3−4AA: 0.92 0.69
2F8
all T>N: 0.97 0.68
T>N −3−4AA: 0.98 0.78
Mutation count
F
−log10 p−value
enrichment −3−4AA
Trinucleotide added
type
observed
simulation
G
sampled Control and EcC mixtures 0 − 100%
EcN
EcC
19H2
2F8
−3−4AA enrichment
odds ratio(Fisher test)
fraction Control/EcC mutations (1% difference/step)