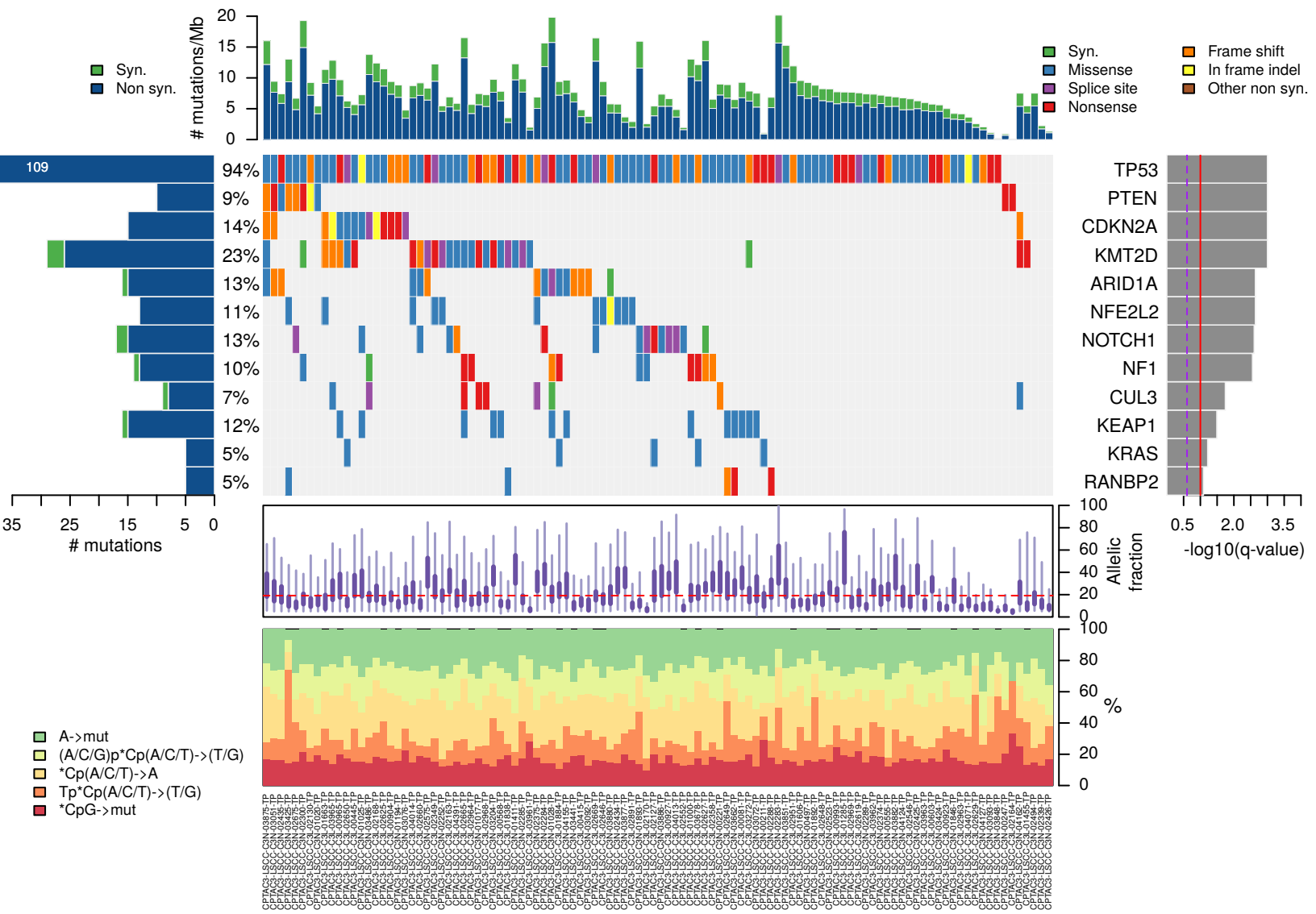
Syn.
Non syn.
mutations/Mb
20
15
10
5
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
109
94%
9%
14%
23%
13%
11%
13%
10%
7%
12%
5%
5%
35
25
15
5
0
mutations
TP53
PTEN
CDKN2A
KMT2D
ARID1A
NFE2L2
NOTCH1
NF1
CUL3
KEAP1
KRAS
RANBP2
0.5
2.0
3.5
-log10(q-value)
100
80
60
40
20
0
Allelic fraction
100
80
60
40
20
0
%
A->mut
(A/C/G)p*Cp(A/C/T)->(T/G)
*Cp(A/C/T)->A
Tp*Cp(A/C/T)->(T/G)
*CpG->mut