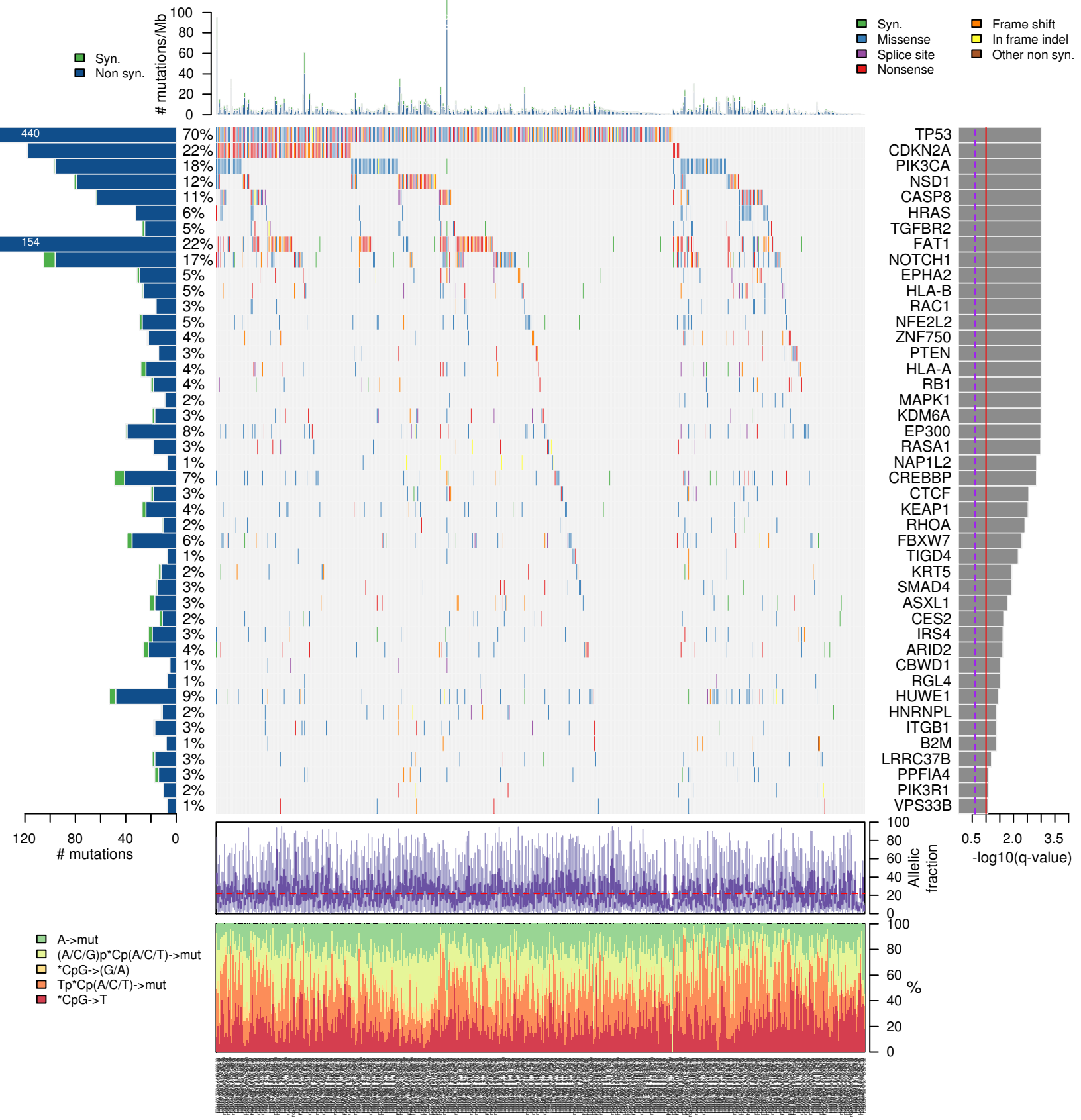
Syn.
Non syn.
mutations/Mb
100
80
60
40
20
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
440
70%
22%
18%
12%
11%
6%
5%
154
22%
17%
5%
5%
3%
5%
4%
3%
4%
4%
2%
3%
8%
3%
1%
7%
3%
4%
2%
6%
1%
2%
3%
3%
2%
3%
4%
1%
1%
9%
2%
3%
1%
3%
3%
2%
1%
TP53
CDKN2A
PIK3CA
NSD1
CASP8
HRAS
TGFBR2
FAT1
NOTCH1
EPHA2
HLA-B
RAC1
NFE2L2
ZNF750
PTEN
HLA-A
RB1
MAPK1
KDM6A
EP300
RASA1
NAP1L2
CREBBP
CTCF
KEAP1
RHOA
FBXW7
TIGD4
KRT5
SMAD4
ASXL1
CES2
IRS4
ARID2
CBWD1
RGL4
HUWE1
HNRNPL
ITGB1
B2M
LRRC37B
PPFIA4
PIK3R1
VPS33B
120
80
40
0
mutations
0.5
2.0
3.5
-log10(q-value)
Allelic fraction
A->mut
(A/C/G)p*Cp(A/C/T)->mut
*CpG->(G/A)
Tp*Cp(A/C/T)->mut
*CpG->T
%