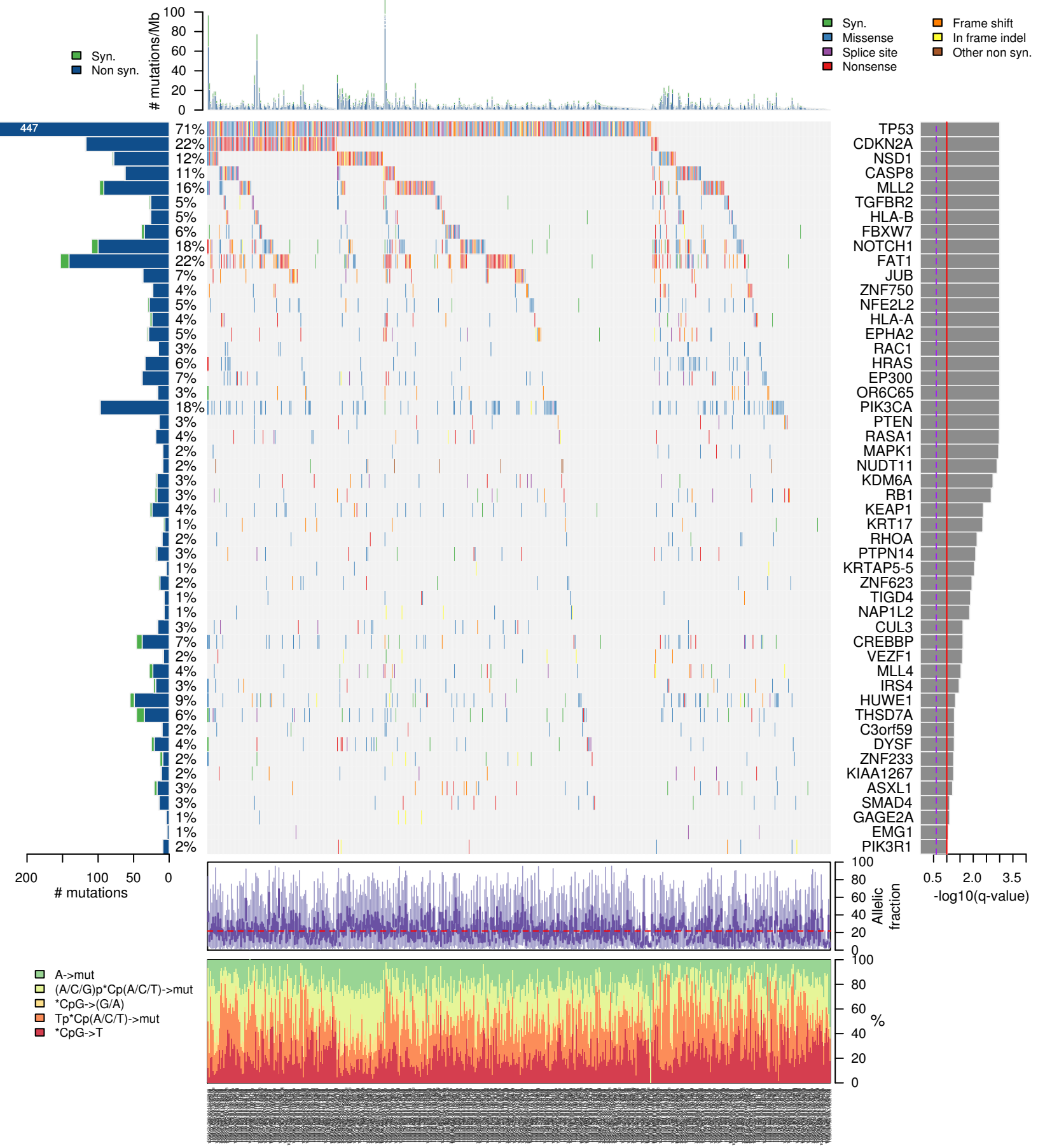
Syn.
Non syn.
mutations/Mb
100
80
60
40
20
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
447
71%
22%
12%
11%
16%
5%
5%
6%
18%
22%
7%
4%
5%
4%
5%
3%
6%
7%
3%
18%
3%
4%
2%
2%
3%
3%
4%
1%
2%
3%
1%
2%
1%
1%
3%
7%
2%
4%
3%
9%
6%
2%
4%
2%
2%
3%
3%
1%
1%
2%
TP53
CDKN2A
NSD1
CASP8
MLL2
TGFBR2
HLA-B
FBXW7
NOTCH1
FAT1
JUB
ZNF750
NFE2L2
HLA-A
EPHA2
RAC1
HRAS
EP300
OR6C65
PIK3CA
PTEN
RASA1
MAPK1
NUDT11
KDM6A
RB1
KEAP1
KRT17
RHOA
PTPN14
KRTAP5-5
ZNF623
TIGD4
NAP1L2
CUL3
CREBBP
VEZF1
MLL4
IRS4
HUWE1
THSD7A
C3orf59
DYSF
ZNF233
KIAA1267
ASXL1
SMAD4
GAGE2A
EMG1
PIK3R1
200
100
50
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
%