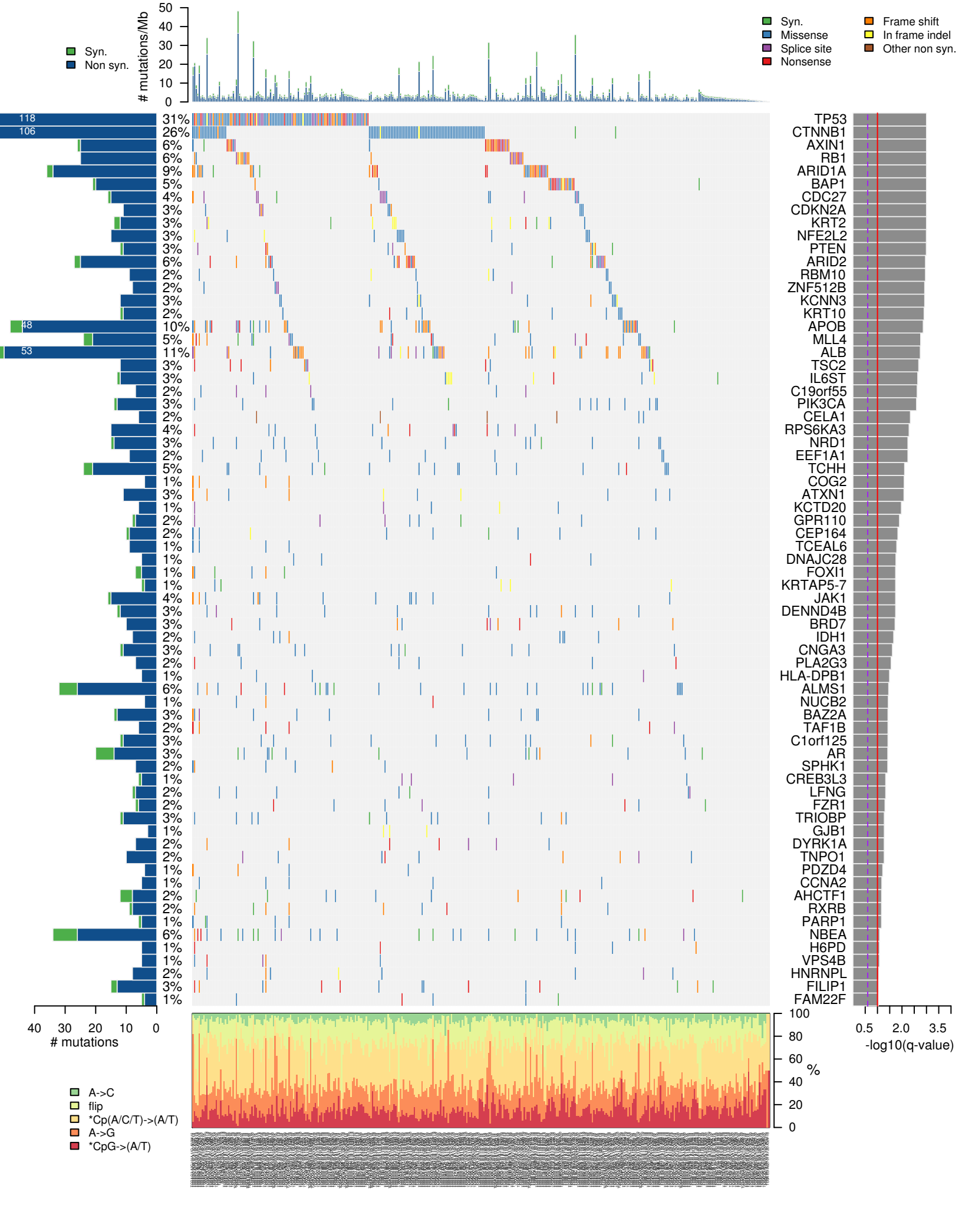
Syn.
Non syn.
mutations/Mb
50
40
30
20
10
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
118
106
48
53
31%
26%
6%
6%
9%
5%
4%
3%
3%
3%
3%
6%
2%
2%
3%
2%
10%
5%
11%
3%
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6%
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2%
3%
1%
TP53
CTNNB1
AXIN1
RB1
ARID1A
BAP1
CDC27
CDKN2A
KRT2
NFE2L2
PTEN
ARID2
RBM10
ZNF512B
KCNN3
KRT10
APOB
MLL4
ALB
TSC2
IL6ST
C19orf55
PIK3CA
CELA1
RPS6KA3
NRD1
EEF1A1
TCHH
COG2
ATXN1
KCTD20
GPR110
CEP164
TCEAL6
DNAJC28
FOXI1
KRTAP5-7
JAK1
DENND4B
BRD7
IDH1
CNGA3
PLA2G3
HLA-DPB1
ALMS1
NUCB2
BAZ2A
TAF1B
C1orf125
AR
SPHK1
CREB3L3
LFNG
FZR1
TRIOBP
GJB1
DYRK1A
TNPO1
PDZD4
CCNA2
AHCTF1
RXRB
PARP1
NBEA
H6PD
VPS4B
HNRNPL
FILIP1
FAM22F
40
30
20
10
0
mutations
0.5
2.0
3.5
-log10(q-value)
100
80
60
40
20
0
%
A->C
flip
*Cp(A/C/T)->(A/T)
A->G
*CpG->(A/T)