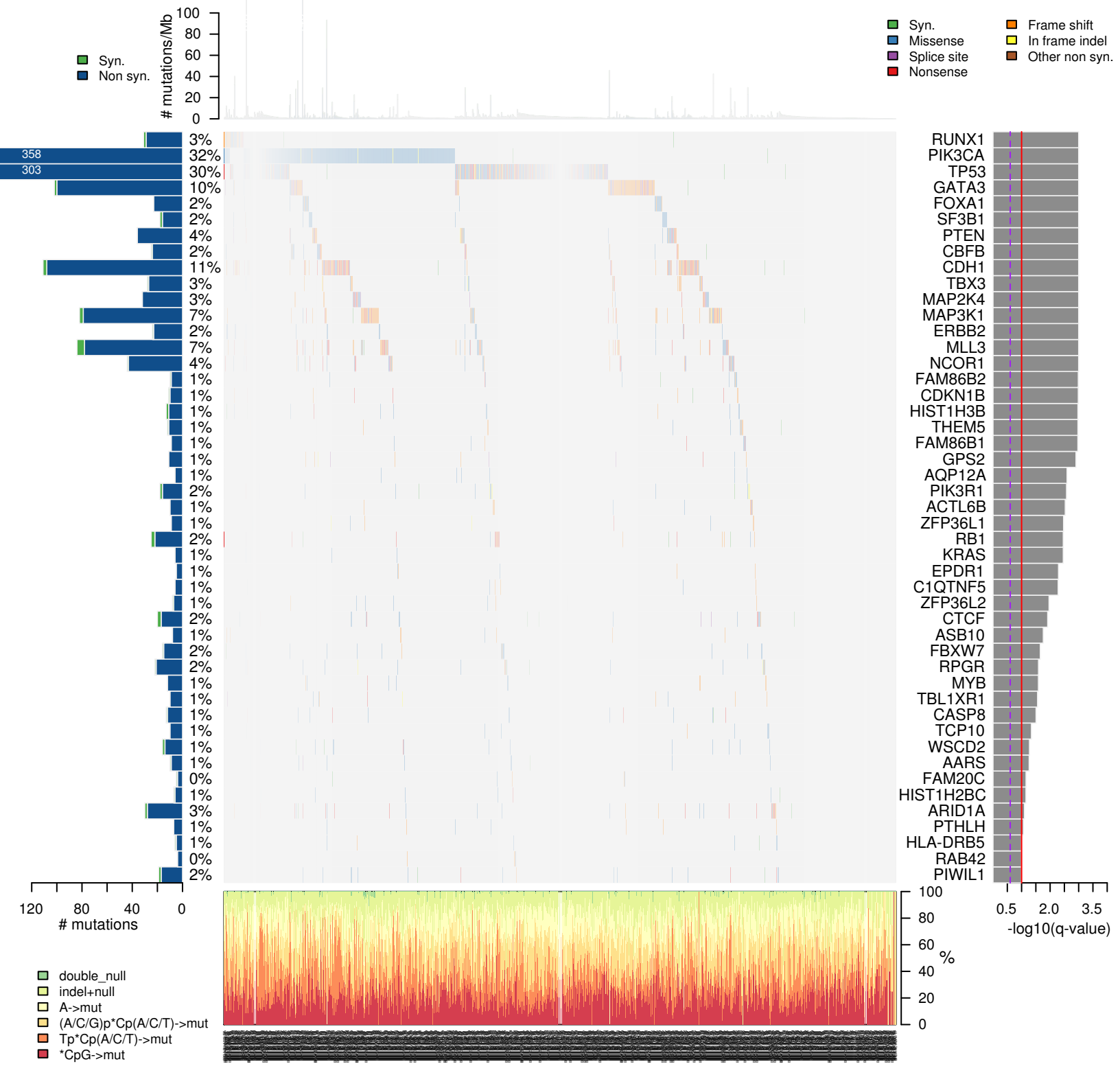
Syn.
Non syn.
mutations/Mb
100
80
60
40
20
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
358
303
3%
32%
30%
10%
2%
2%
4%
2%
11%
3%
3%
7%
2%
7%
4%
1%
1%
1%
1%
1%
1%
1%
2%
1%
1%
2%
1%
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1%
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1%
2%
2%
1%
1%
1%
1%
1%
1%
0%
1%
3%
1%
1%
0%
2%
RUNX1
PIK3CA
TP53
GATA3
FOXA1
SF3B1
PTEN
CBFB
CDH1
TBX3
MAP2K4
MAP3K1
ERBB2
MLL3
NCOR1
FAM86B2
CDKN1B
HIST1H3B
THEM5
FAM86B1
GPS2
AQP12A
PIK3R1
ACTL6B
ZFP36L1
RB1
KRAS
EPDR1
C1QTNF5
ZFP36L2
CTCF
ASB10
FBXW7
RPGR
MYB
TBL1XR1
CASP8
TCP10
WSCD2
AARS
FAM20C
HIST1H2BC
ARID1A
PTHLH
HLA-DRB5
RAB42
PIWIL1
120
80
40
0
mutations
0.5
2.0
3.5
-log10(q-value)
100
80
60
40
20
0
%
double_null
indel+null
A->mut
(A/C/G)p*Cp(A/C/T)->mut
Tp*Cp(A/C/T)->mut
*CpG->mut