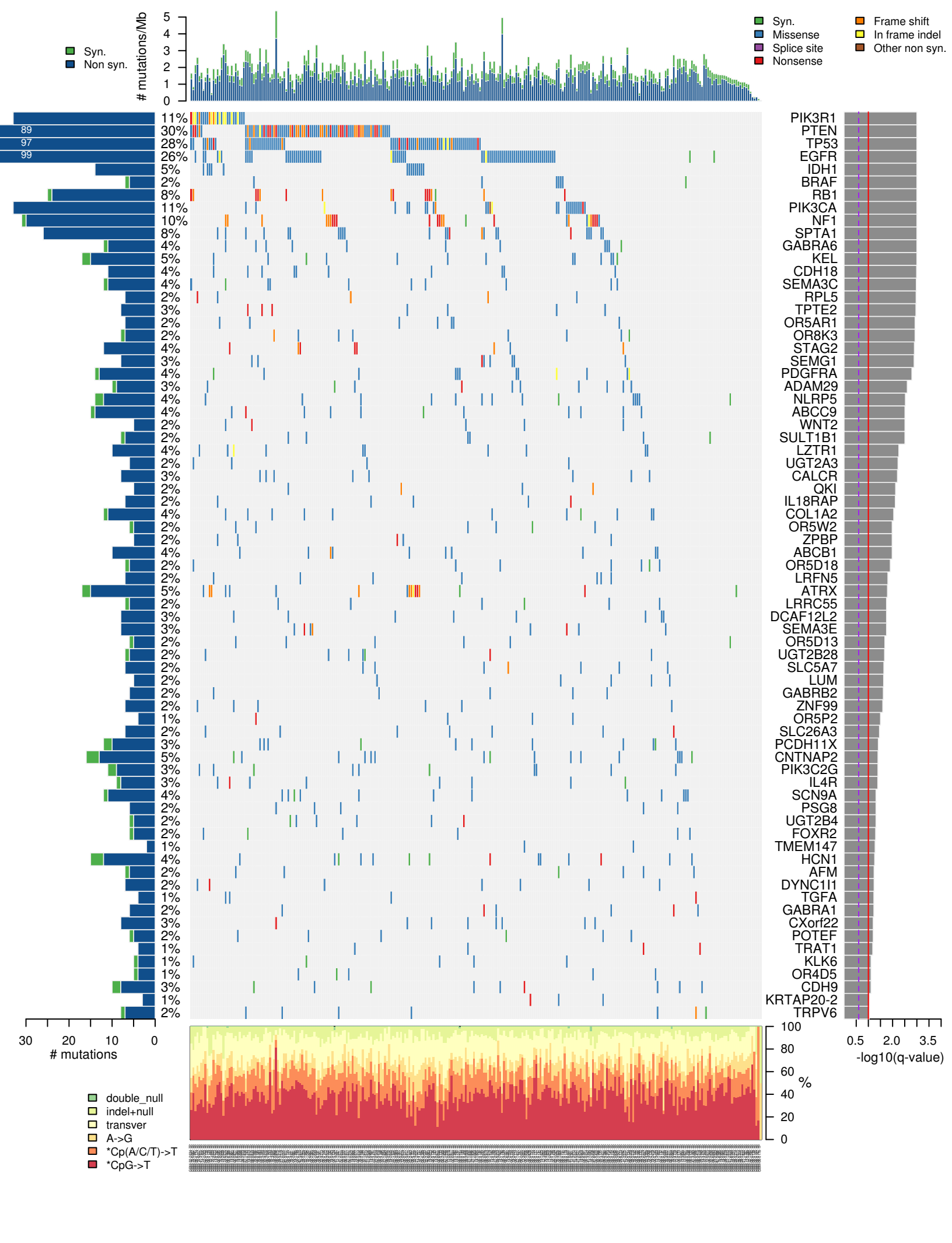
Syn.
Non syn.
mutations/Mb
0
1
2
3
4
5
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
89
97
99
11%
30%
28%
26%
5%
2%
8%
11%
10%
8%
4%
5%
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1%
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1%
2%
PIK3R1
PTEN
TP53
EGFR
IDH1
BRAF
RB1
PIK3CA
NF1
SPTA1
GABRA6
KEL
CDH18
SEMA3C
RPL5
TPTE2
OR5AR1
OR8K3
STAG2
SEMG1
PDGFRA
ADAM29
NLRP5
ABCC9
WNT2
SULT1B1
LZTR1
UGT2A3
CALCR
QKI
IL18RAP
COL1A2
OR5W2
ZPBP
ABCB1
OR5D18
LRFN5
ATRX
LRRC55
DCAF12L2
SEMA3E
OR5D13
UGT2B28
SLC5A7
LUM
GABRB2
ZNF99
OR5P2
SLC26A3
PCDH11X
CNTNAP2
PIK3C2G
IL4R
SCN9A
PSG8
UGT2B4
FOXR2
TMEM147
HCN1
AFM
DYNC1I1
TGFA
GABRA1
CXorf22
POTEF
TRAT1
KLK6
OR4D5
CDH9
KRTAP20-2
TRPV6
30
20
10
0
mutations
0.5
2.0
3.5
-log10(q-value)
100
80
60
40
20
0
%
double_null
indel+null
transver
A->G
*Cp(A/C/T)->T
*CpG->T