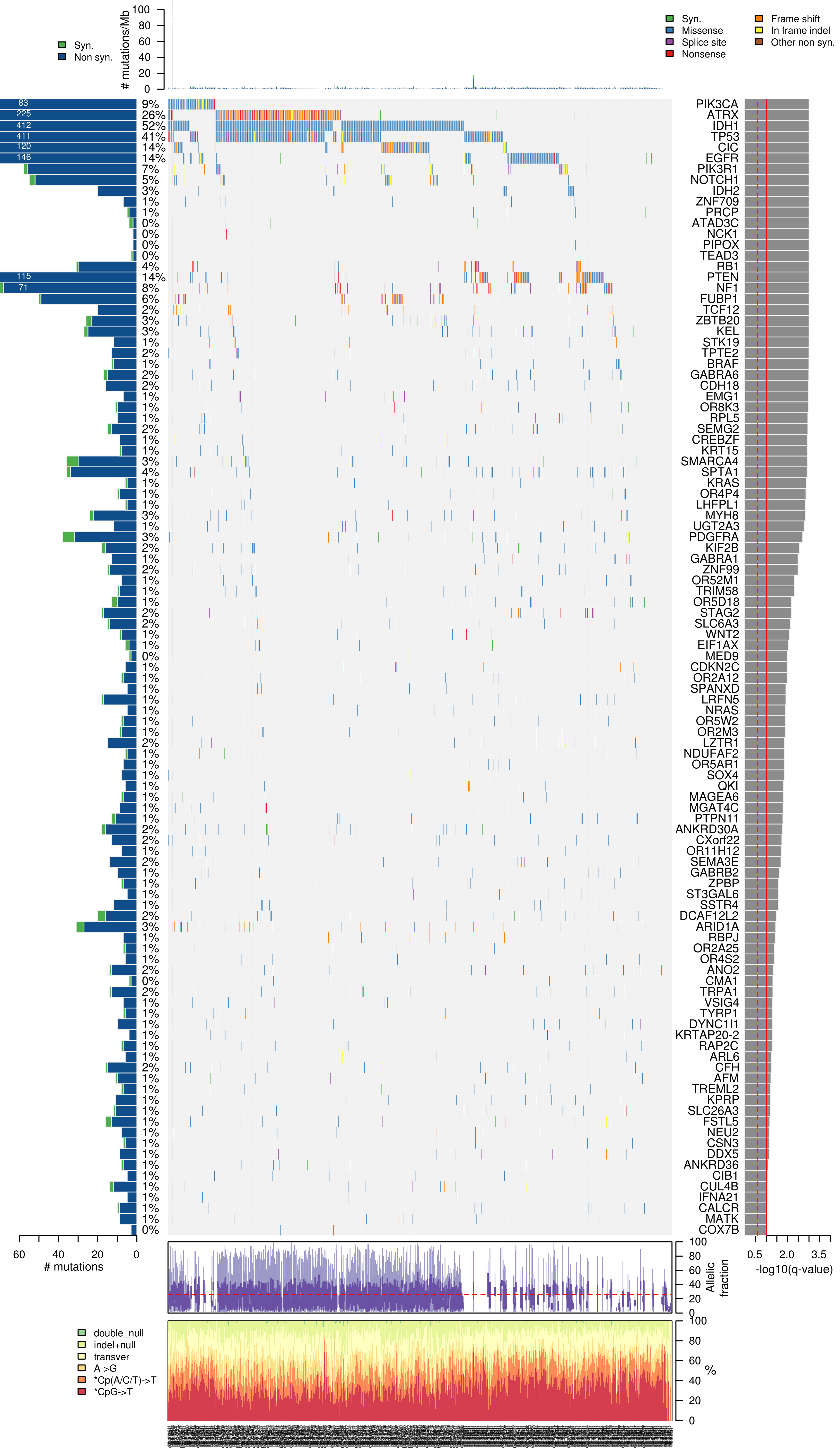

Syn.
Non syn.
mutations/Mb
100
80
60
40
20
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
83
225
412
411
120
146
115
71
9%
26%
52%
41%
14%
14%
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PIK3CA
ATRX
IDH1
TP53
CIC
EGFR
PIK3R1
NOTCH1
IDH2
ZNF709
PRCP
ATAD3C
NCK1
PIPOX
TEAD3
RB1
PTEN
NF1
FUBP1
TCF12
ZBTB20
KEL
STK19
TPTE2
BRAF
GABRA6
CDH18
EMG1
OR8K3
RPL5
SEMG2
CREBZF
KRT15
SMARCA4
SPTA1
KRAS
OR4P4
LHFPL1
MYH8
UGT2A3
PDGFRA
KIF2B
GABRA1
ZNF99
OR52M1
TRIM58
OR5D18
STAG2
SLC6A3
WNT2
EIF1AX
MED9
CDKN2C
OR2A12
SPANXD
LRFN5
NRAS
OR5W2
OR2M3
LZTR1
NDUFAF2
OR5AR1
SOX4
QKI
MAGEA6
MGAT4C
PTPN11
ANKRD30A
CXorf22
OR11H12
SEMA3E
GABRB2
ZPBP
ST3GAL6
SSTR4
DCAF12L2
ARID1A
RBPJ
OR2A25
OR4S2
ANO2
CMA1
TRPA1
VSIG4
TYRP1
DYNC1I1
KRTAP20-2
RAP2C
ARL6
CFH
AFM
TREML2
KPRP
SLC26A3
FSTL5
NEU2
CSN3
DDX5
ANKRD36
CIB1
CUL4B
IFNA21
CALCR
MATK
COX7B
60
40
20
0
mutations
100
80
60
40
20
0
Allelic fraction
0.5
2.0
3.5
-log10(q-value)
double_null
indel+null
transver
A->G
*Cp(A/C/T)->T
*CpG->T
100
80
60
40
20
0
%