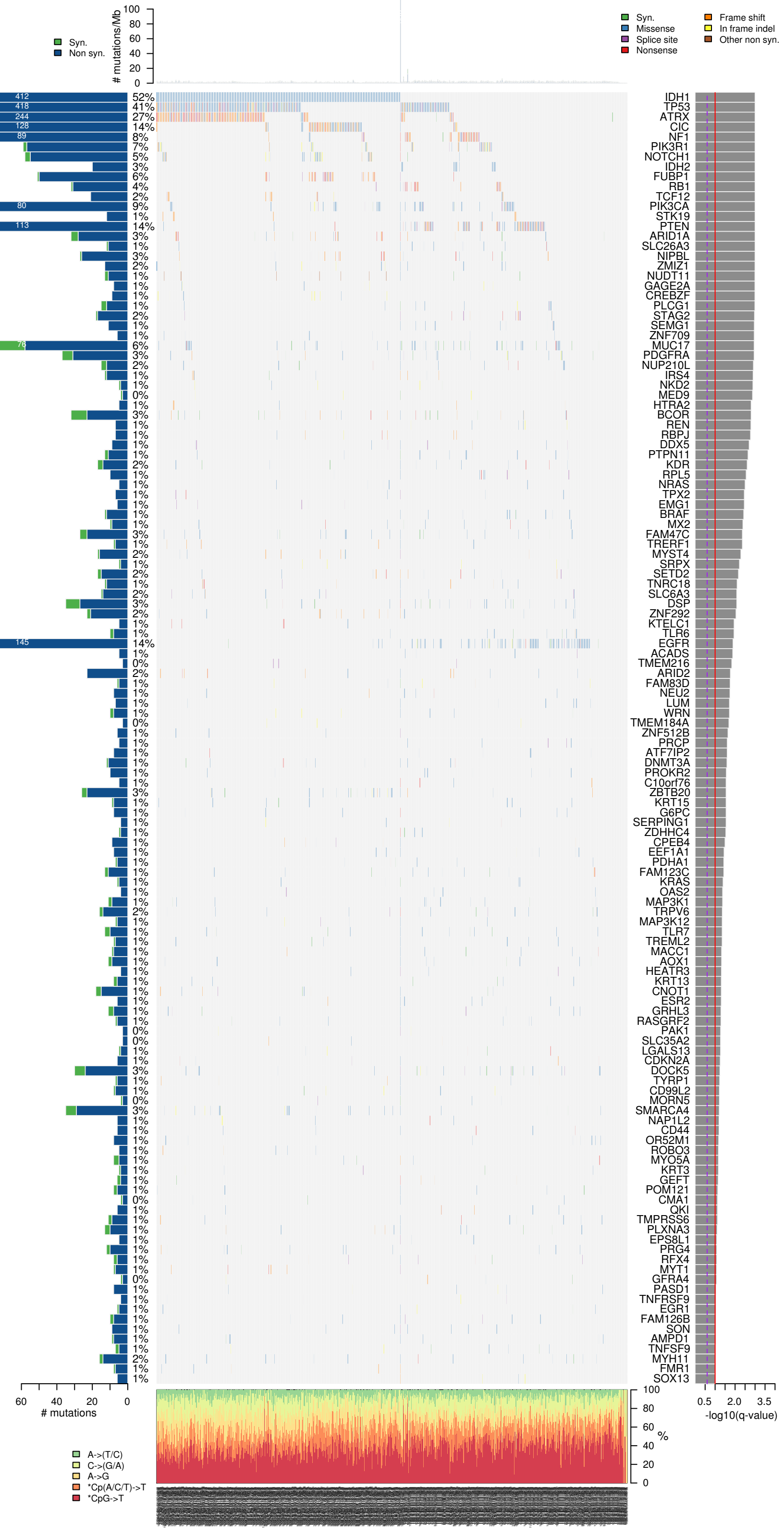
Syn.
Non syn.
mutations/Mb
100
80
60
40
20
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
IDH1 52% 412
TP53 41% 418
ATRX 27% 244
CIC 14% 128
NF1 8% 89
PIK3R1 7%
NOTCH1 5%
IDH2 3%
FUBP1 6%
RB1 4%
TCF12 2%
PIK3CA 9% 80
STK19 1%
PTEN 14% 113
ARID1A 3%
SLC26A3 1%
NIPBL 3%
ZMIZ1 2%
NUDT11 1%
GAGE2A 1%
CREBZF 1%
PLCG1 1%
STAG2 2%
SEMG1 1%
ZNF709 1%
MUC17 6% 76
PDGFRA 3%
NUP210L 2%
IRS4 1%
NKD2 1%
MED9 0%
HTRA2 1%
BCOR 3%
REN 1%
RBPJ 1%
DDX5 1%
PTPN11 1%
KDR 2%
RPL5 1%
NRAS 1%
TPX2 1%
EMG1 1%
BRAF 1%
MX2 1%
FAM47C 3%
TRERF1 1%
MYST4 2%
SRPX 1%
SETD2 2%
TNRC18 1%
SLC6A3 2%
DSP 3%
ZNF292 2%
KTELC1 1%
TLR6 1%
EGFR 14% 145
ACADS 1%
TMEM216 0%
ARID2 2%
FAM83D 1%
NEU2 1%
LUM 1%
WRN 1%
TMEM184A 0%
ZNF512B 1%
PRCP 1%
ATF7IP2 1%
DNMT3A 1%
PROKR2 1%
C10orf76 1%
ZBTB20 3%
KRT15 1%
G6PC 1%
SERPING1 1%
ZDHHC4 1%
CPEB4 1%
EEF1A1 1%
PDHA1 1%
FAM123C 1%
KRAS 1%
OAS2 1%
MAP3K1 1%
TRPV6 2%
MAP3K12 1%
TLR7 1%
TREML2 1%
MACC1 1%
AOX1 1%
HEATR3 1%
KRT13 1%
CNOT1 1%
ESR2 1%
GRHL3 1%
RASGRF2 1%
PAK1 0%
SLC35A2 0%
LGALS13 1%
CDKN2A 1%
DOCK5 3%
TYRP1 1%
CD99L2 1%
MORN5 0%
SMARCA4 3%
NAP1L2 1%
CD44 1%
OR52M1 1%
ROBO3 1%
MYO5A 1%
KRT3 1%
GEFT 1%
POM121 1%
CMA1 0%
QKI 1%
TMPRSS6 1%
PLXNA3 1%
EPS8L1 1%
PRG4 1%
RFX4 1%
MYT1 1%
GFRA4 0%
PASD1 1%
TNFRSF9 1%
EGR1 1%
FAM126B 1%
SON 1%
AMPD1 1%
TNFSF9 1%
MYH11 2%
FMR1 1%
SOX13 1%
60
40
20
0
mutations
0.5
2.0
3.5
-log10(q-value)
100
80
60
40
20
0
%
A->(T/C)
C->(G/A)
A->G
*Cp(A/C/T)->T
*CpG->T