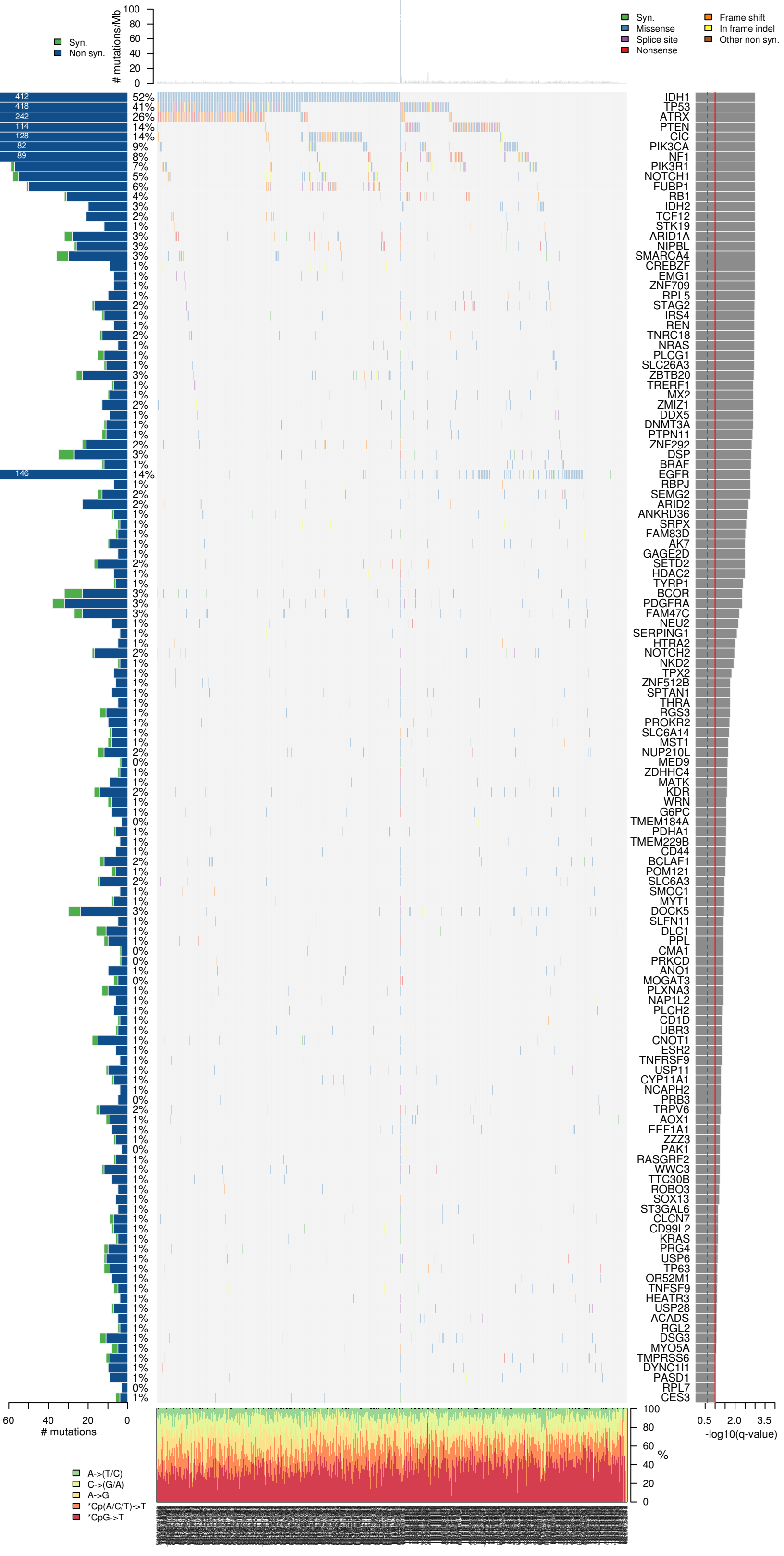
Syn.
Non syn.
mutations/Mb
100
80
60
40
20
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
412 52% IDH1
418 41% TP53
242 26% ATRX
114 14% PTEN
128 14% CIC
82 9% PIK3CA
89 8% NF1
7% PIK3R1
5% NOTCH1
6% FUBP1
4% RB1
3% IDH2
2% TCF12
1% STK19
3% ARID1A
3% NIPBL
3% SMARCA4
1% CREBZF
1% EMG1
1% ZNF709
1% RPL5
2% STAG2
1% IRS4
1% REN
2% TNRC18
1% NRAS
1% PLCG1
1% SLC26A3
3% ZBTB20
1% TRERF1
1% MX2
2% ZMIZ1
1% DDX5
1% DNMT3A
1% PTPN11
2% ZNF292
3% DSP
1% BRAF
146 14% EGFR
1% RBPJ
2% SEMG2
2% ARID2
1% ANKRD36
1% SRPX
1% FAM83D
1% AK7
1% GAGE2D
2% SETD2
1% HDAC2
1% TYRP1
3% BCOR
3% PDGFRA
3% FAM47C
1% NEU2
1% SERPING1
1% HTRA2
2% NOTCH2
1% NKD2
1% TPX2
1% ZNF512B
1% SPTAN1
1% THRA
1% RGS3
1% PROKR2
1% SLC6A14
1% MST1
2% NUP210L
0% MED9
1% ZDHHC4
1% MATK
2% KDR
1% WRN
1% G6PC
0% TMEM184A
1% PDHA1
1% TMEM229B
1% CD44
2% BCLAF1
1% POM121
2% SLC6A3
1% SMOC1
1% MYT1
3% DOCK5
1% SLFN11
1% DLC1
1% PPL
0% CMA1
0% PRKCD
1% ANO1
0% MOGAT3
1% PLXNA3
1% NAP1L2
1% PLCH2
1% CD1D
1% UBR3
1% CNOT1
1% ESR2
1% TNFRSF9
1% USP11
1% CYP11A1
1% NCAPH2
0% PRB3
2% TRPV6
1% AOX1
1% EEF1A1
1% ZZZ3
0% PAK1
1% RASGRF2
1% WWC3
1% TTC30B
1% ROBO3
1% SOX13
1% ST3GAL6
1% CLCN7
1% CD99L2
1% KRAS
1% PRG4
1% USP6
1% TP63
1% OR52M1
1% TNFSF9
1% HEATR3
1% USP28
1% ACADS
1% RGL2
1% DSG3
1% MYO5A
1% TMPRSS6
1% DYNC1I1
1% PASD1
0% RPL7
1% CES3
60
40
20
0
mutations
0.5
2.0
3.5
-log10(q-value)
A->(T/C)
C->(G/A)
A->G
*Cp(A/C/T)->T
*CpG->T
100
80
60
40
20
0
%