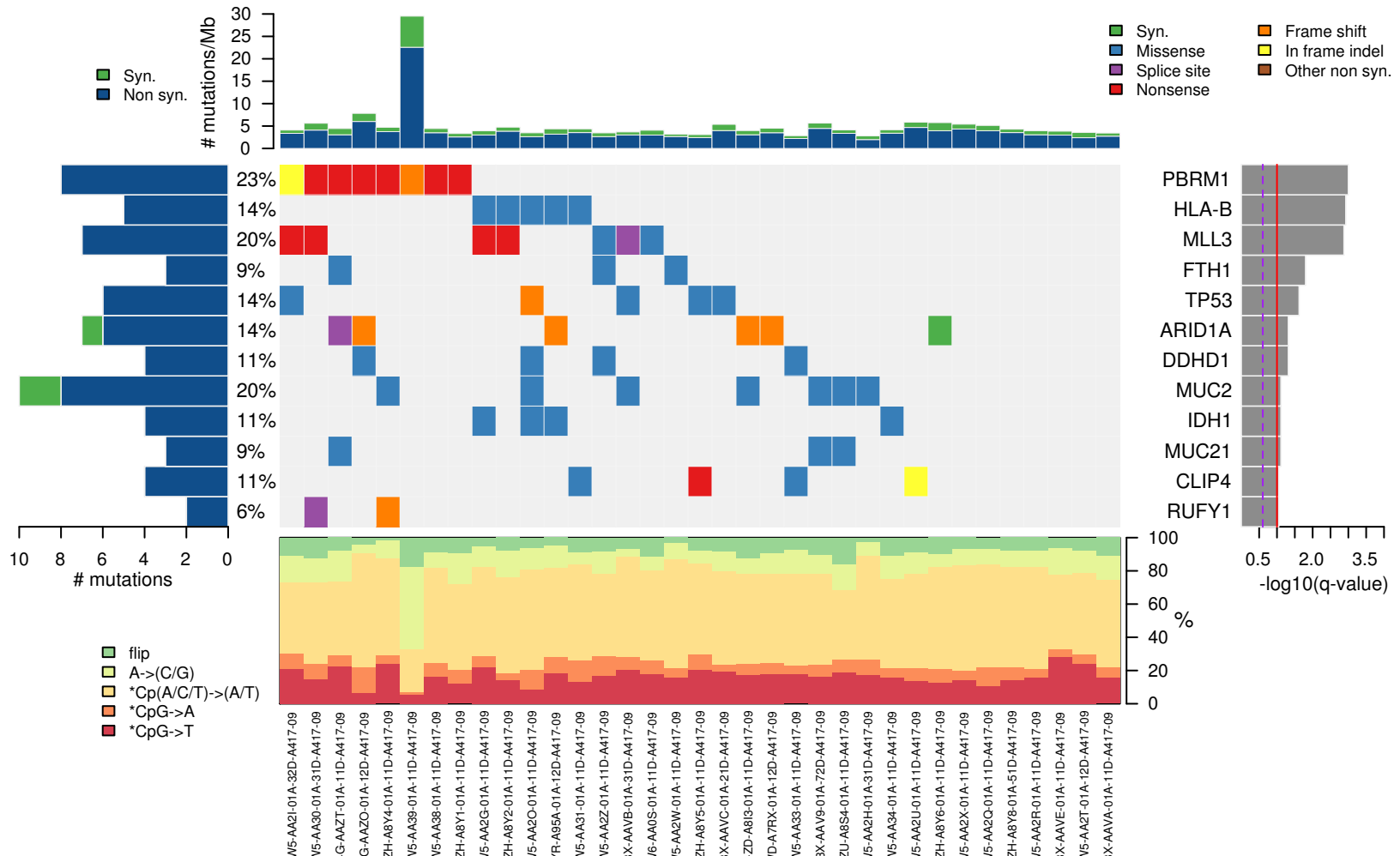
Syn.
Non syn.
mutations/Mb
30
25
20
15
10
5
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
23%
14%
20%
9%
14%
14%
11%
20%
11%
9%
11%
6%
10
8
6
4
2
0
mutations
PBRM1
HLA-B
MLL3
FTH1
TP53
ARID1A
DDHD1
MUC2
IDH1
MUC21
CLIP4
RUFY1
0.5
2.0
3.5
-log10(q-value)
100
80
60
40
20
0
%
flip
A->(C/G)
*Cp(A/C/T)->(A/T)
*CpG->A
*CpG->T