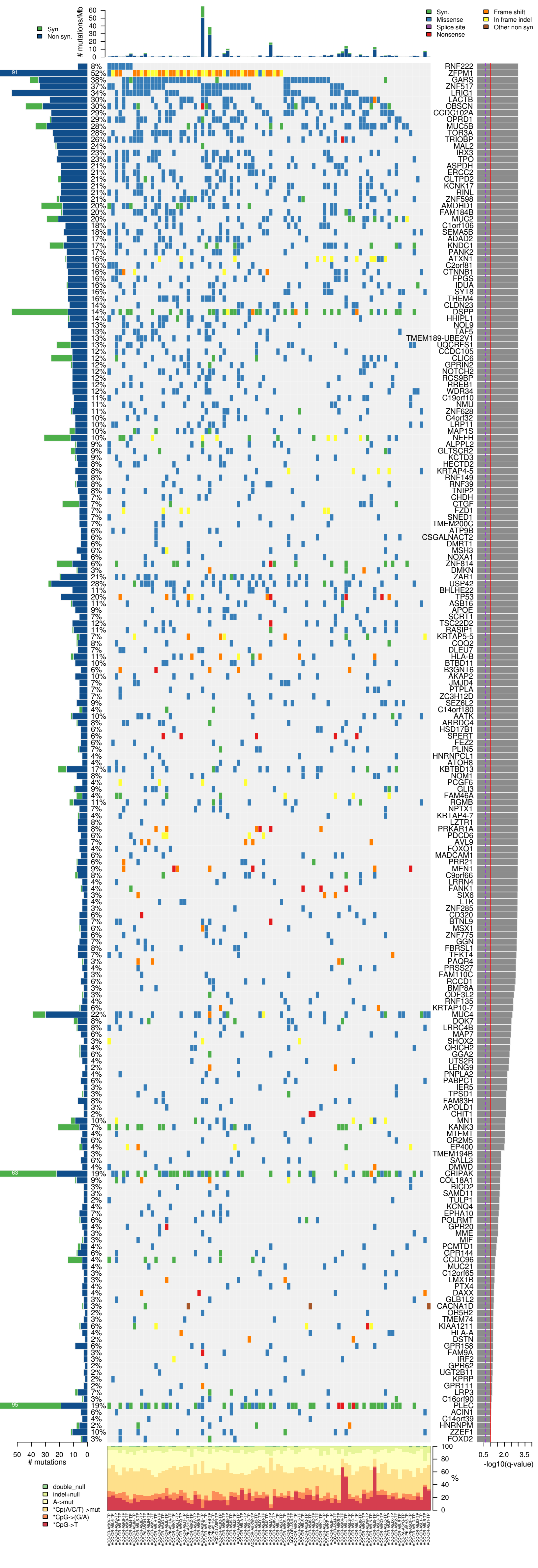
Syn.
Non syn.
mutations/Mb
60
50
40
30
20
10
0
Syn.
Missense
Splice site
Nonsense
Frame shift
In frame indel
Other non syn.
RNF222
ZFPM1
GARS
ZNF517
LRIG1
LACTB
OBSCN
CCDC102A
OPRD1
MUC5B
TOR3A
TRIOBP
MAL2
IRX3
TPO
ASPDH
ERCC2
GLTPD2
KCNK17
RINL
ZNF598
AMDHD1
FAM184B
MUC2
C1orf106
SEMA5B
ADAD2
KNDC1
PANK2
ATXN1
C2orf81
CTNNB1
FPGS
IDUA
SYT8
THEM4
CLDN23
DSPP
HHIPL1
NOL9
TAF5
TMEM189-UBE2V1
UQCRFS1
CCDC105
CLIC6
GPRIN2
NOTCH2
RGS9BP
RREB1
WDR34
C19orf10
NMU
ZNF628
C4orf32
LRP11
MAP1S
NEFH
ALPPL2
GLTSCR2
KCTD3
HECTD2
KRTAP4-5
RNF149
RNF39
TNIP2
CHDH
CTGF
FZD1
SNED1
TMEM200C
ATP9B
CSGALNACT2
DMRT1
MSH3
NOXA1
ZNF814
DMKN
ZAR1
USP42
BHLHE22
TP53
ASB16
APOE
SCRT1
TSC22D2
RASIP1
KRTAP5-5
COQ2
DLEU7
HLA-B
BTBD11
B3GNT6
AKAP2
JMJD4
PTPLA
ZC3H12D
SEZ6L2
C14orf180
AATK
ARRDC4
HSD17B1
SPERT
FEZ2
PLIN5
HNRNPCL1
ATOH8
KBTBD13
NOM1
PCGF6
GLI3
FAM46A
RGMB
NPTX1
KRTAP4-7
LZTR1
PRKAR1A
PDCD6
AVL9
FOXQ1
MADCAM1
PRR21
MEN1
C9orf66
LRRN4
FANK1
SIX6
LTK
ZNF285
CD320
BTNL9
MSX1
ZNF775
GGN
FBRSL1
TEKT4
PAQR4
PRSS27
FAM110C
RCCD1
BMP8A
ODF3L2
RNF135
KRTAP10-7
MUC4
DOK7
LRRC4B
MAP7
SHOX2
QRICH2
GGA2
UTS2R
LENG9
PNPLA2
PABPC1
IER5
TPSD1
FAM83H
APOLD1
CHIT1
MN1
KANK3
MTFMT
OR2M5
EP400
TMEM194B
SALL3
DMWD
CRIPAK
COL18A1
BICD2
SAMD11
TULP1
KCNQ4
EPHA10
POLRMT
GPR20
MME
MIF
PCMTD1
GPR144
CCDC96
MUC21
C12orf65
LMX1B
PTX4
DAXX
GLB1L2
CACNA1D
OR5H2
TMEM74
KIAA1211
HLA-A
DSTN
GPR158
FAM9A
IRF2
GPR62
UGT2B11
KPRP
GPR111
LRP3
C16orf90
PLEC
ACIN1
C14orf39
HNRNPM
ZZEF1
FOXD2
mutations
-log10(q-value)
double_null
indel+null
A->mut
*Cp(A/C/T)->mut
*CpG->(G/A)
*CpG->T
%