

Protein homeostasis/ubiquitination  
RTK signaling  
Wnt/B-catenin signaling  
Transcription factor  
Chromatin histone modifiers  
Genome integrity

TP53

TMB

Pathways

Genome integrity-  
Chromatin histone modifiers-  
Protein homeostasis/ubiquitination-  
Transcription factor-  
Other-  
PI3K signaling-  
Other signaling-  
RTK signaling-  
Wnt/B-catenin signaling-  
Chromatin other-  
Chromatin SWI/SNF complex-  
Cell cycle-  
Histone modification-  
MAPK signaling-  
RNA abundance-  
TGFB signaling-  
Immune signaling-  
Splicing-  
Metabolism-  
TOR signaling-  
NFKB signaling-  
Epigenetics DNA modifiers-  
Apoptosis-  
NOTCH signaling-

Ti/Tv

100  
50  
0

-TP53  
-SPOP  
-TTN  
-FOXA1  
-KMT2D  
-MUC16  
-SYNE1  
-KMT2C  
-LRP1B  
-SPTA1  
-ATM  
-CSMD3  
-RYSR2  
-PTEN  
-MUC17  
-CACNA1E  
-KDM6A  
-USH2A  
-HMCN1  
-RP1

11.16%  
11.16%  
9.94%  
6.09%  
5.68%  
5.27%  
4.46%  
4.26%  
4.06%  
3.85%  
3.65%  
3.45%  
3.25%  
3.25%  
2.84%  
2.84%  
2.84%  
2.64%  
2.64%  
2.64%

Mutations

Frame\_Shift\_Del  
Frame\_Shift\_Ins  
In\_Frame\_Del  
In\_Frame\_Ins  
Missense\_Mutation  
Nonsense\_Mutation  
Nonstop\_Mutation  
Splice\_Site  
Translation\_Start\_Site

Ti/Tv

C>A  
C>G  
C>T  
T>A  
T>C  
T>G