

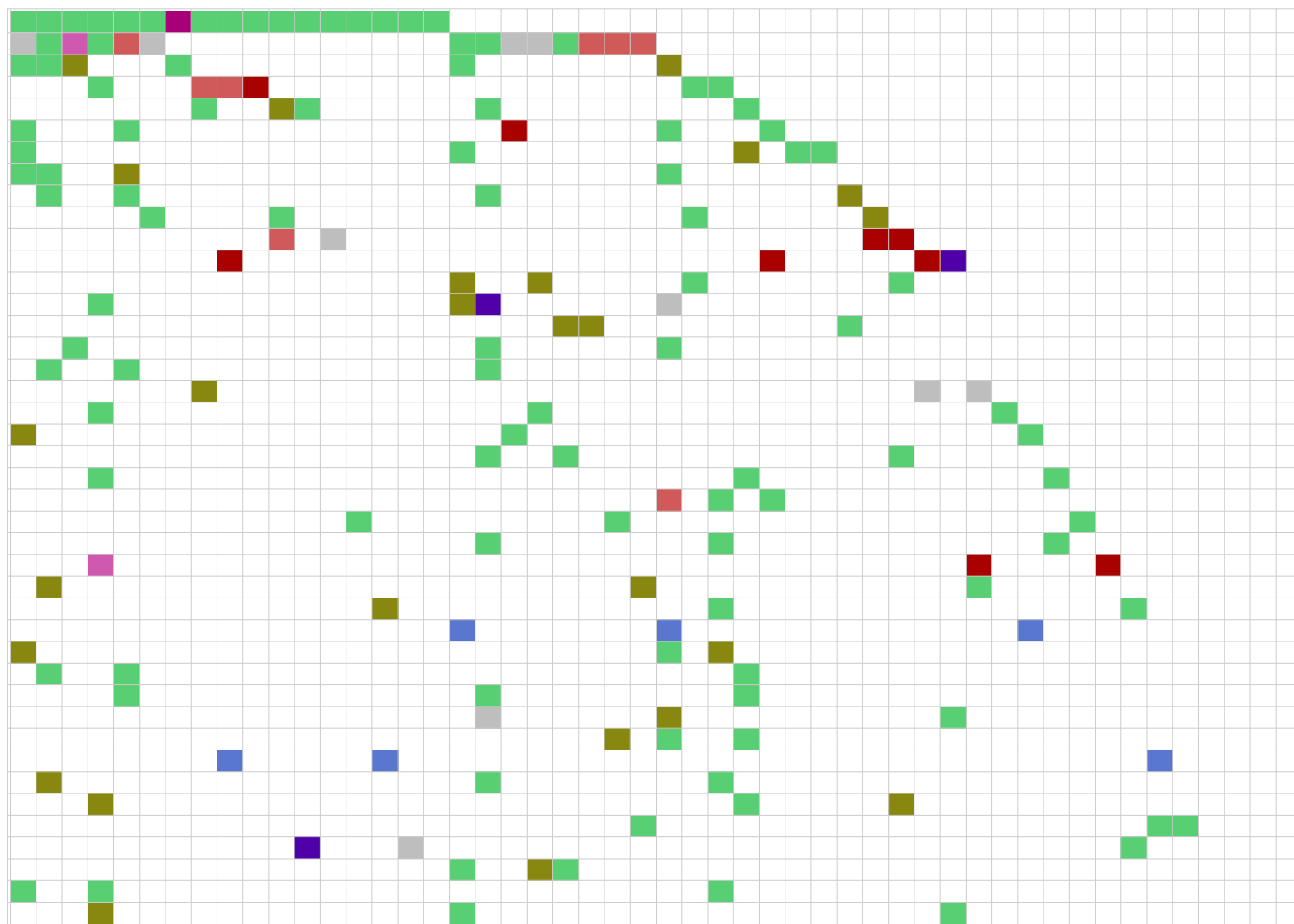
## Translational Effect

- Synonymous
- Non Synonymous

PIK3CA  
 TP53  
 USH2A  
 MLL3  
 TTN  
 MUC12  
 LRP2  
 RYR2  
 MUC17  
 MUC16  
 MAP3K1  
 GATA3  
 CECR2  
 BRCA1  
 ZCCHC5  
 WDR7  
 UNC5C  
 TMEM132B  
 TCHH  
 SVEP1  
 SCN7A  
 PTCHD1  
 PLCE1  
 ODZ4  
 NEK8  
 MYB  
 MUC4  
 MGA  
 LOC645954  
 IRS4  
 IL1RAPL1  
 GRM3  
 GOLGB1  
 EXPH5  
 ENSG00000245549  
 DNAH5  
 CSMD2  
 CILP  
 CDH1  
 CAMTA2  
 ARHGAP31  
 AHNAK

## Mutation Type

- Nonsense Mutation
- Frame Shift Ins
- Frame Shift Del
- In Frame Ins
- In Frame Del
- Nonstop Mutation
- Translation Start Site
- Splice Site
- Missense Mutation
- 5' Flank
- 3' Flank
- 5' UTR
- 3' UTR
- RNA
- Intron
- IGR
- Silent
- Targeted Region



Sample (n=50)

% Mutar