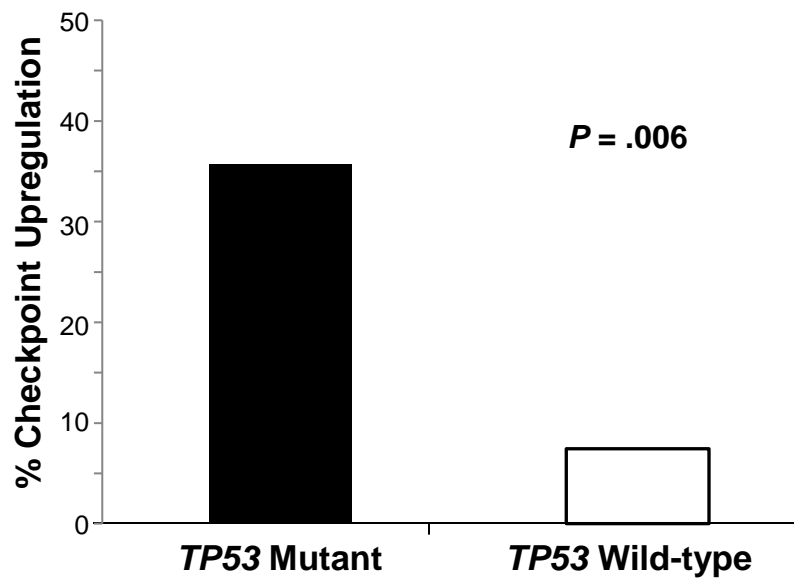
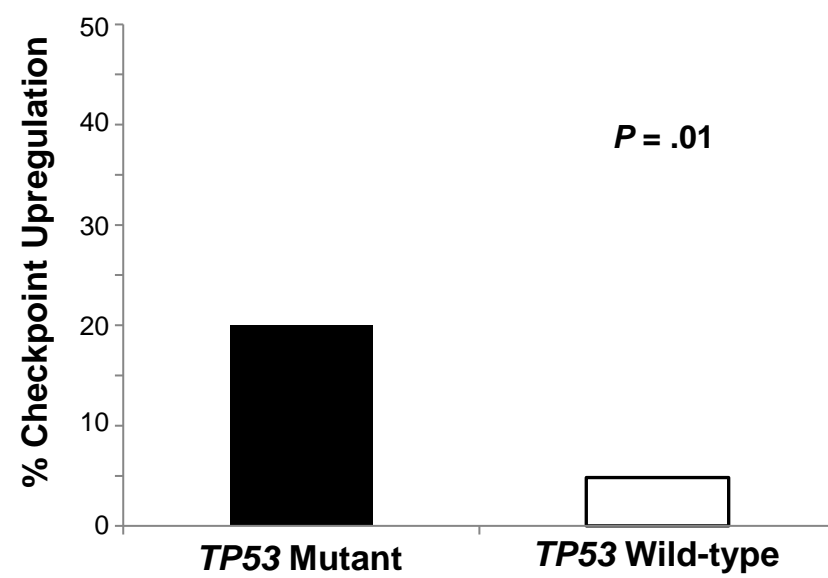


**Figure S1**

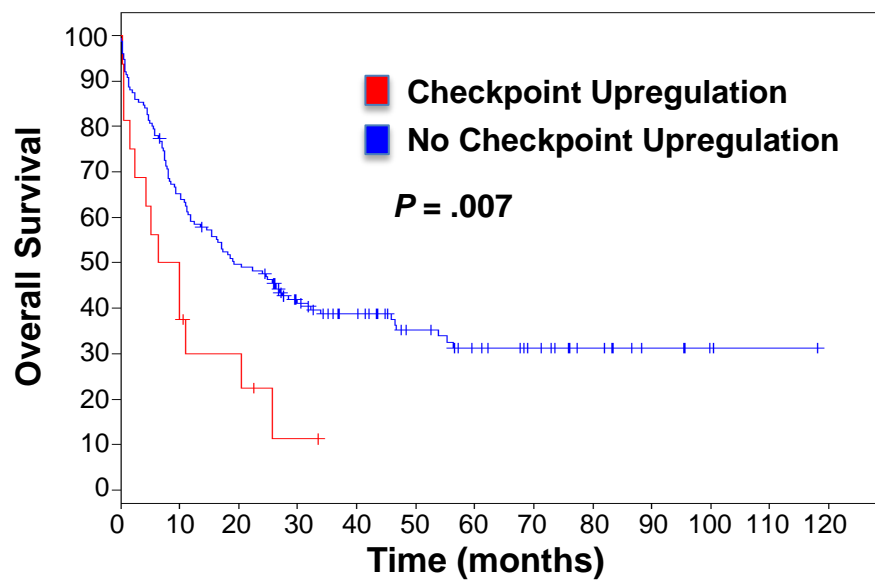
**A**



**B**



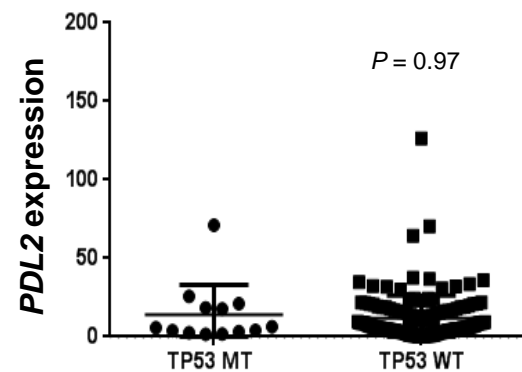
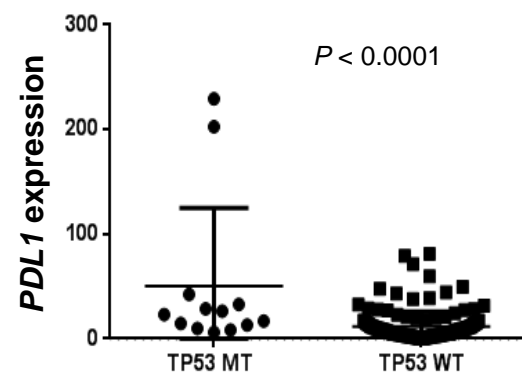
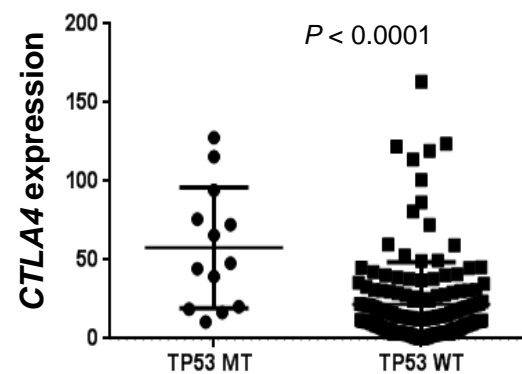
**C**



**Figure S2**

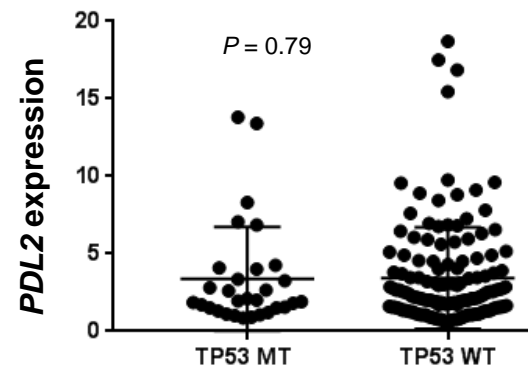
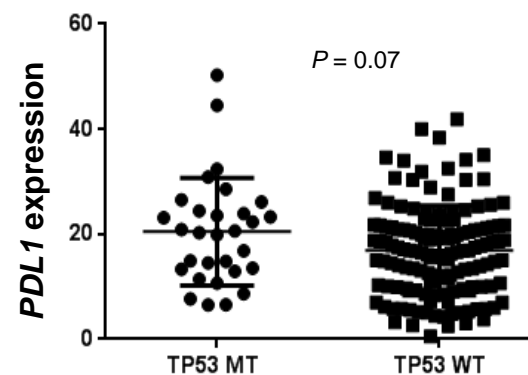
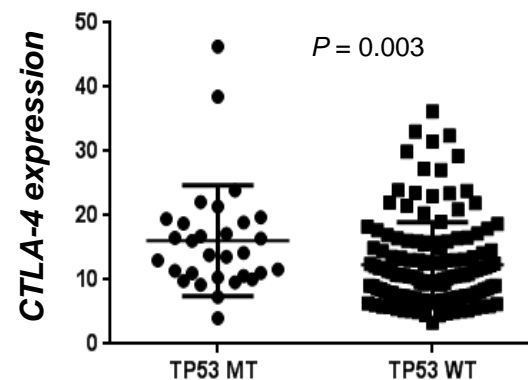
**A**

**TCGA Dataset**



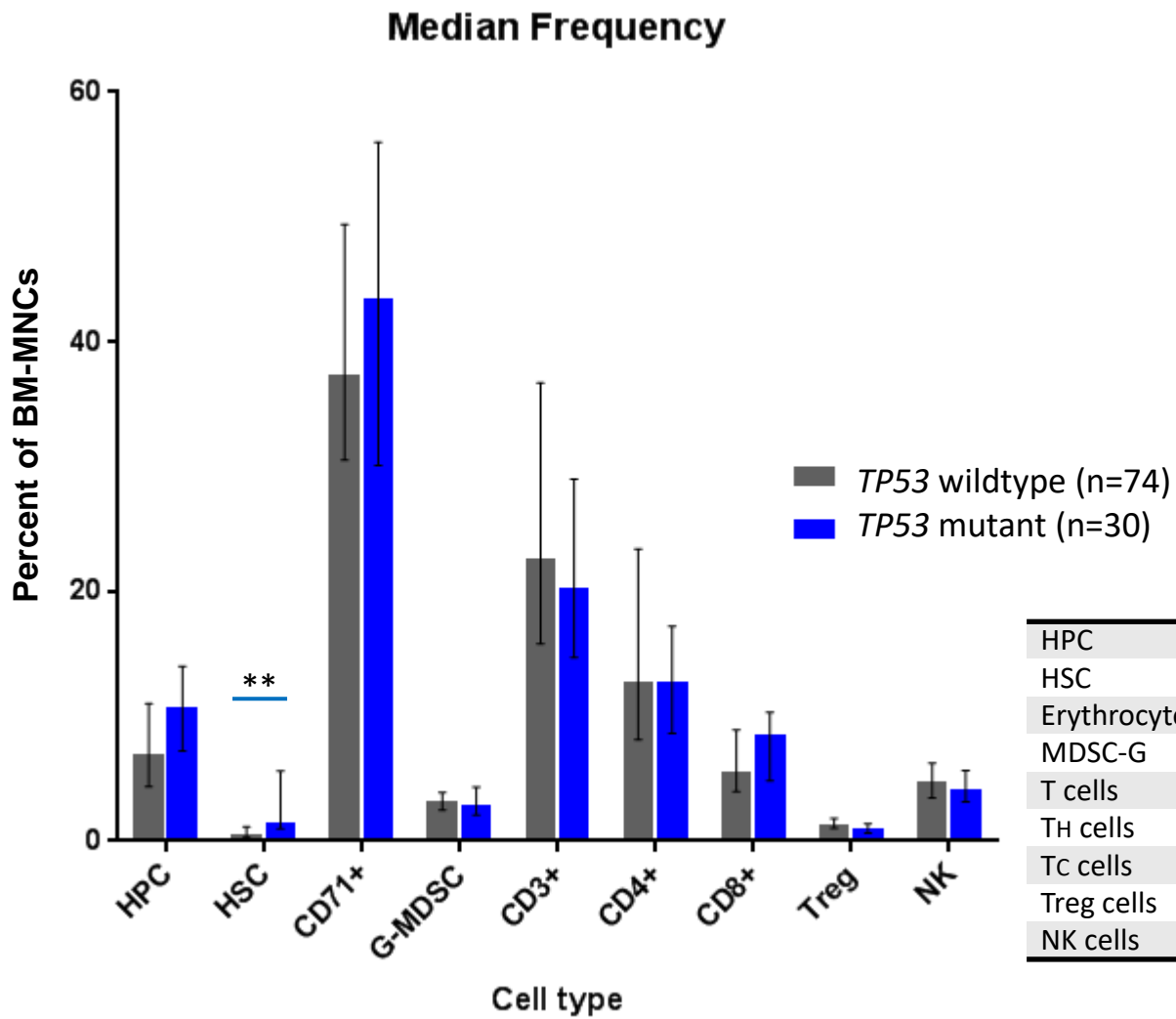
**B**

**MLL Dataset**

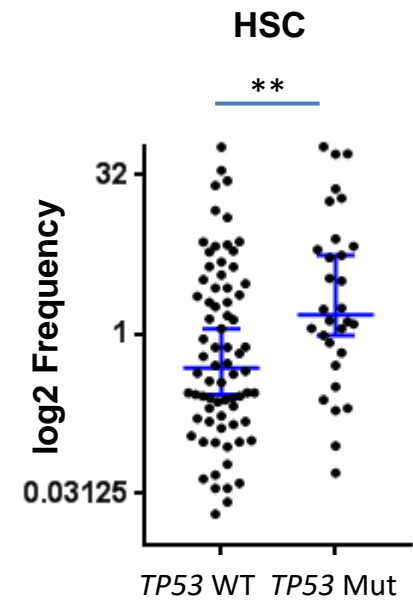


**Figure S3**

**A**

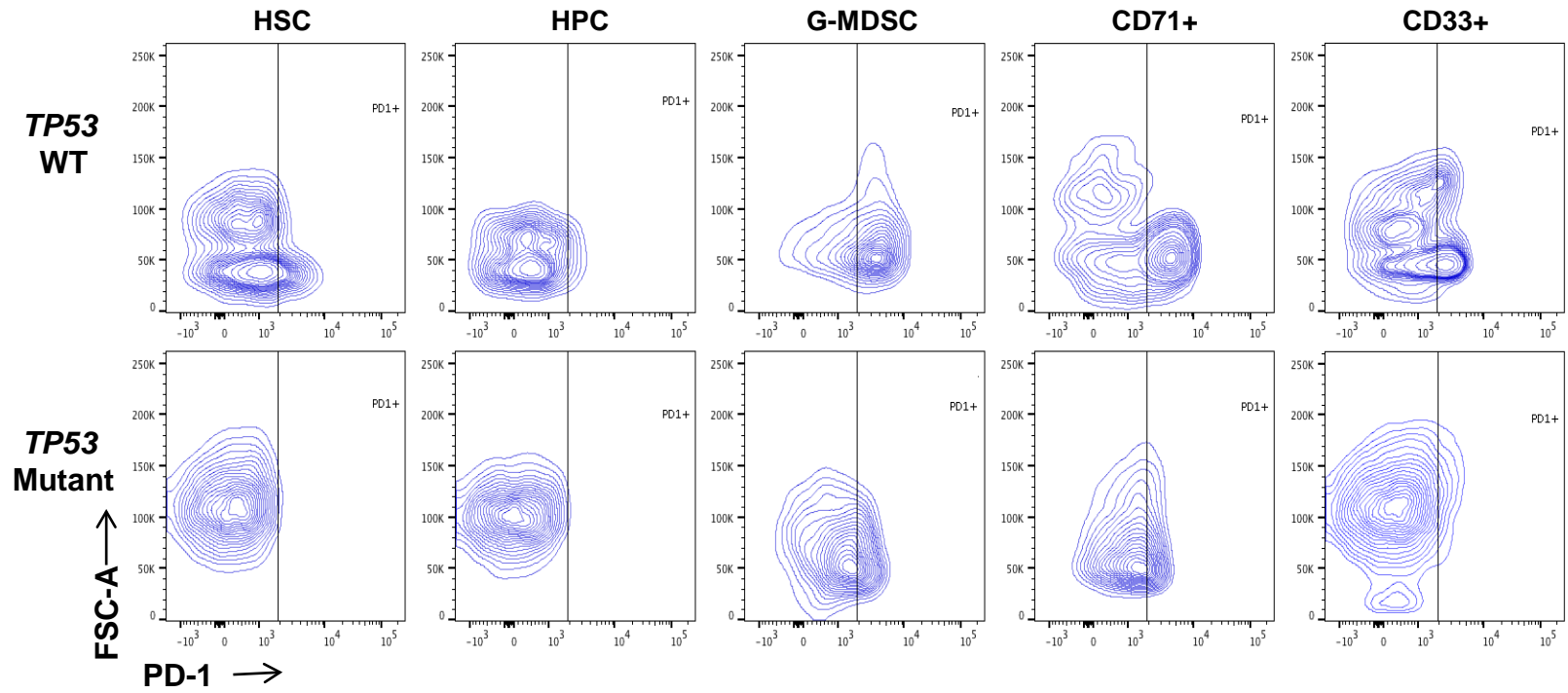


**B**

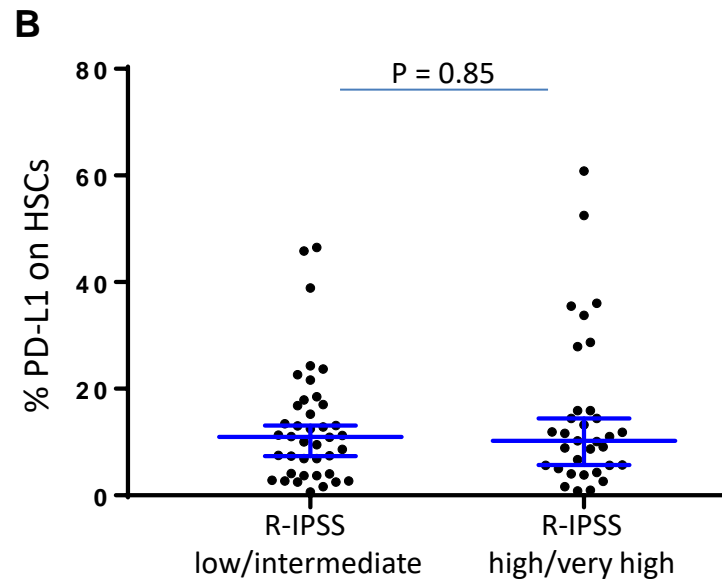
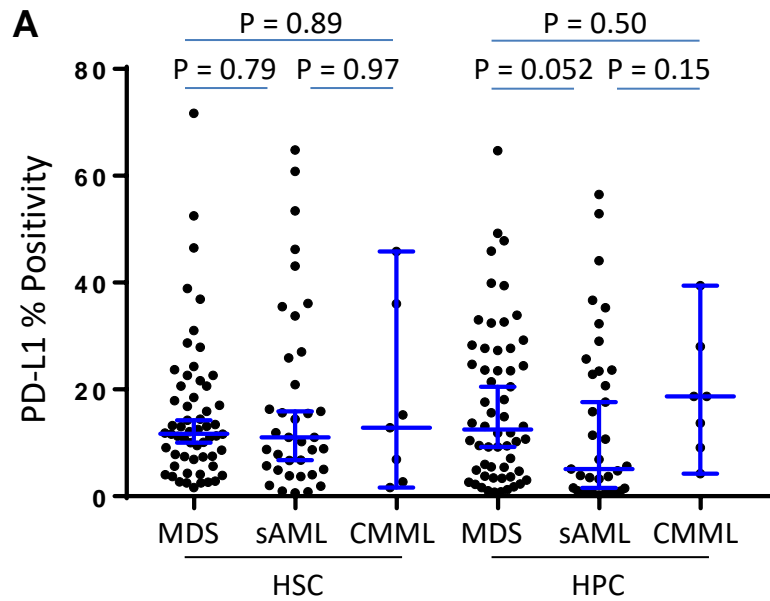


HPC	CD3- CD11b- CD14- CD34+ CD38+
HSC	CD3- CD11b- CD14- CD34+ CD38-
Erythrocytes	CD3- CD71+
MDSC-G	CD3- CD33+ CD38- CD11b+ CD14-
T cells	CD3+
TH cells	CD3+ CD4+
Tc cells	CD3+ CD8+
Treg cells	CD3+ CD4+ CD25+ CD127low/-
NK cells	CD3- CD56+

**Figure S4**

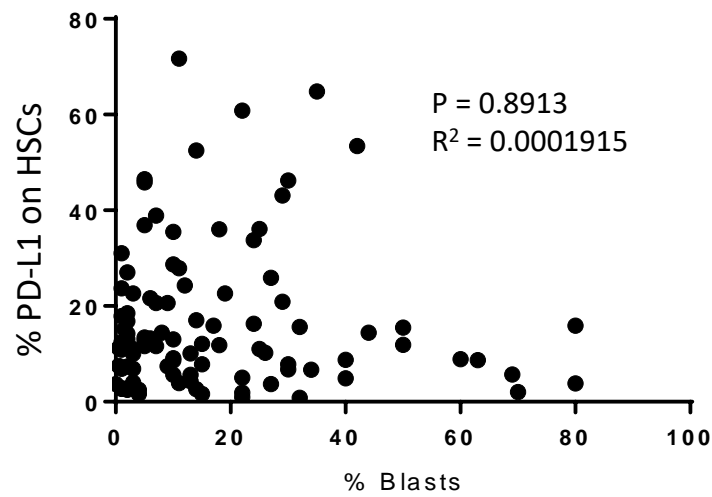


**Figure S5**



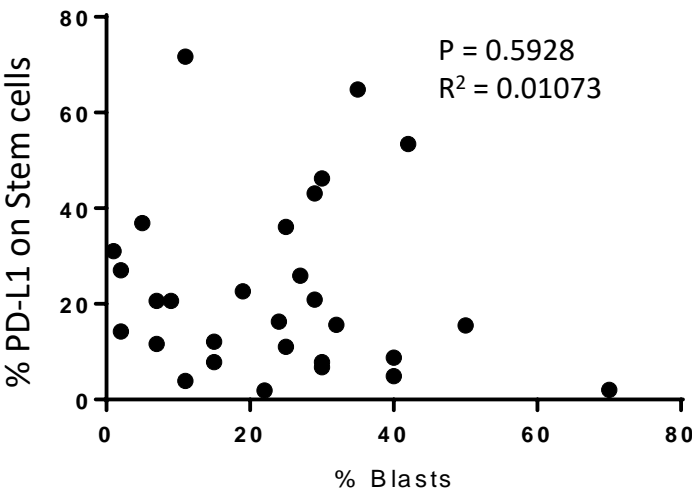
**Figure S6**

**A**



**B**

***TP53* mutant patients**



**C**

***TP53* wildtype patients**

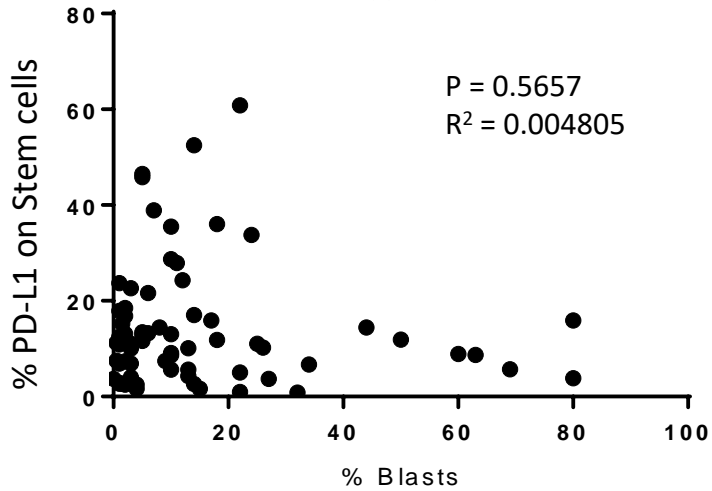
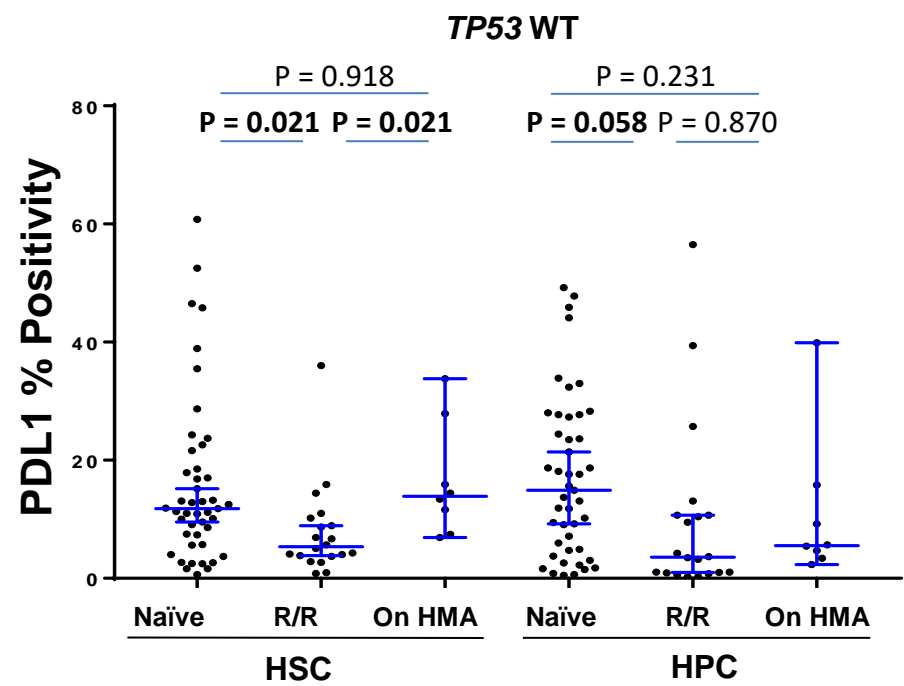
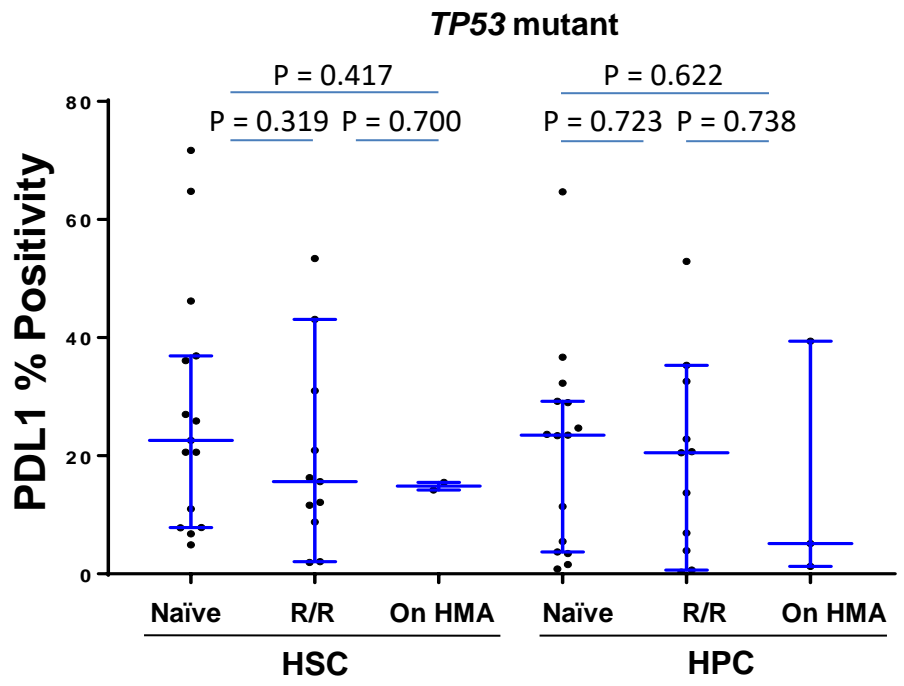
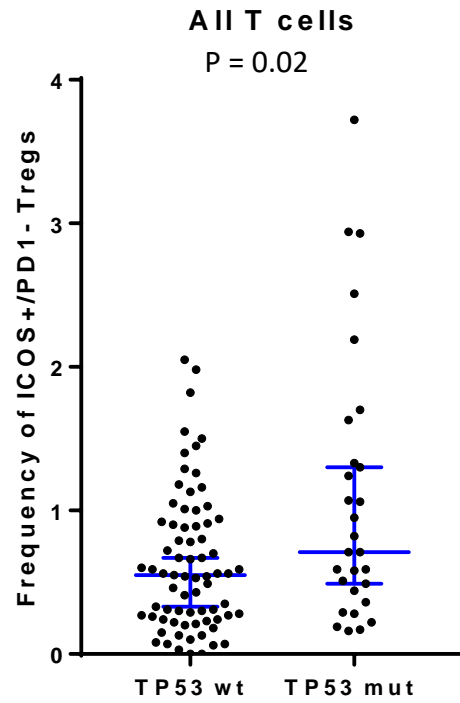


Figure S7



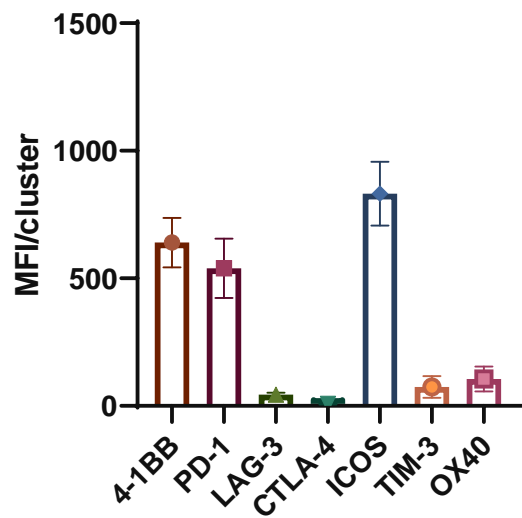
**Figure S8**



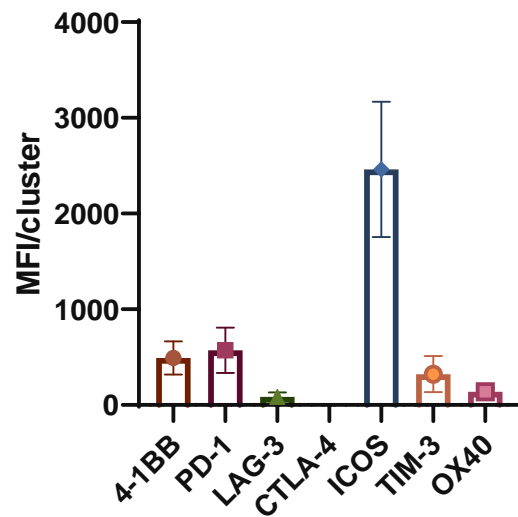


**Figure S9**

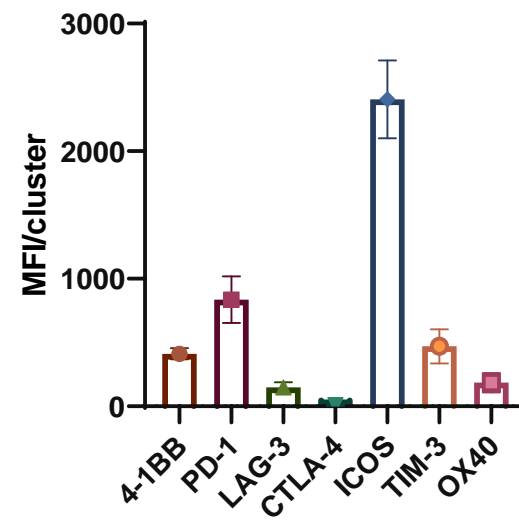
***TP53* mutant CTLs**



***TP53* mutant T<sub>H</sub> Cells**



***TP53* mutant Tregs**



**Figure S10**

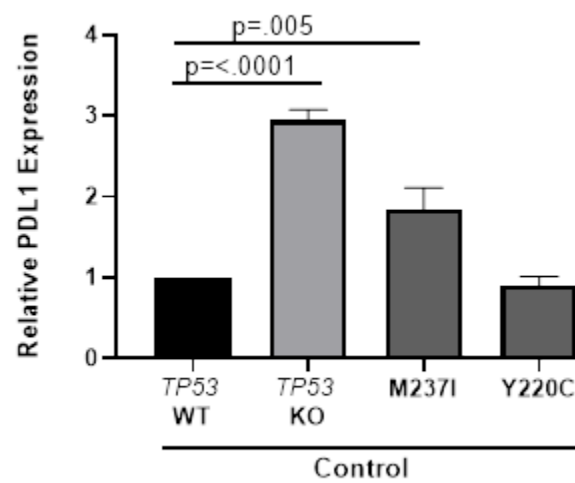


Figure S111

