

Supplemental figure legend

Figure S1. Higher expression of CSE1L correlates with poorer outcomes in NSCLC patients.

Overall survival (OS) in 2166 cases of NSCLC patients was analyzed using the KM-plotter database (<https://kmplot.com>). Two different probes of CSE1L (210766_s_at and 201112_s_at) showed higher levels of CSE1L significantly correlated with decreased OS in the patients.

Figure S2. Original blots for figure 2C.

Figure S3. Original blots for figure 4A.

Figure S4. Original histograms of FACS analysis of cell cycle for figure 3B and 3D.

Figure S5. Original histograms of FACS analysis of cell cycle for figure 4C.

Figure S6. Synergistic effect of mocetinostat and paclitaxel in A549 p53+/+ cells. The drug combination effect in figure 5D is analyzed with CompuSyn software and the results for A549 p53+/+ cells (A) and A549 p53-/- cells (B) were presented. Note that the combination index (CI) values <1 indicates synergy.

Figure S1

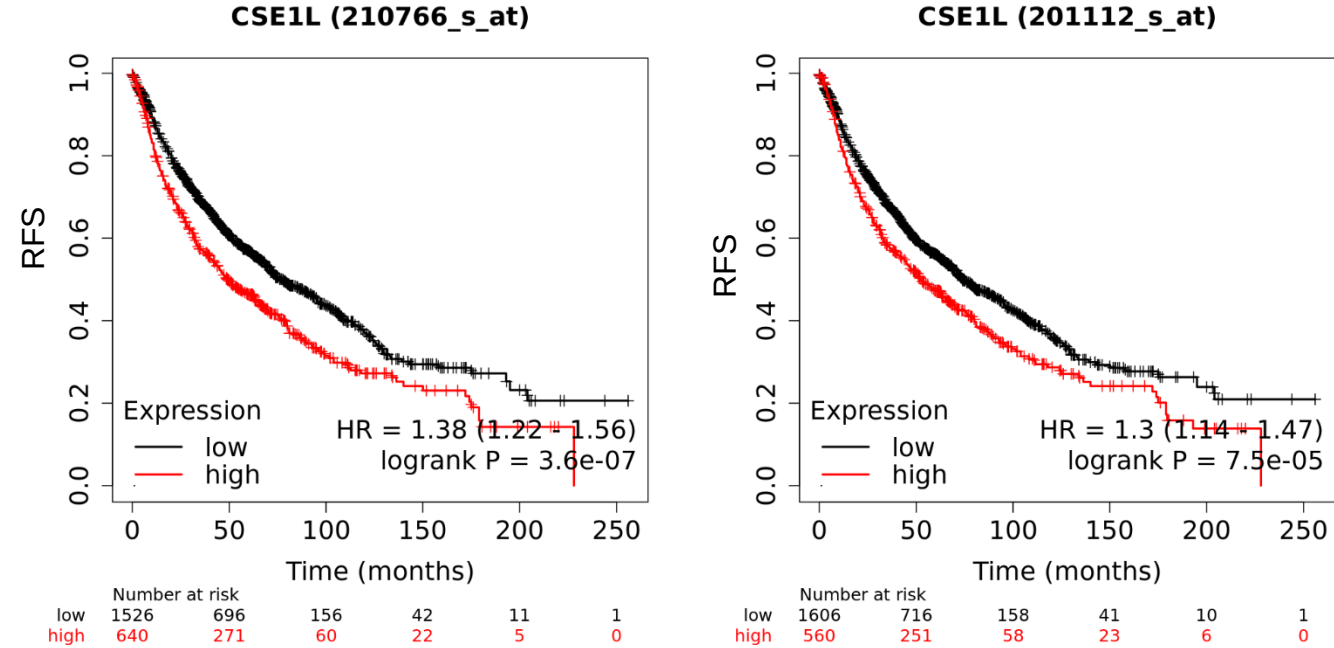


Figure S2: Original blots for figure 2C

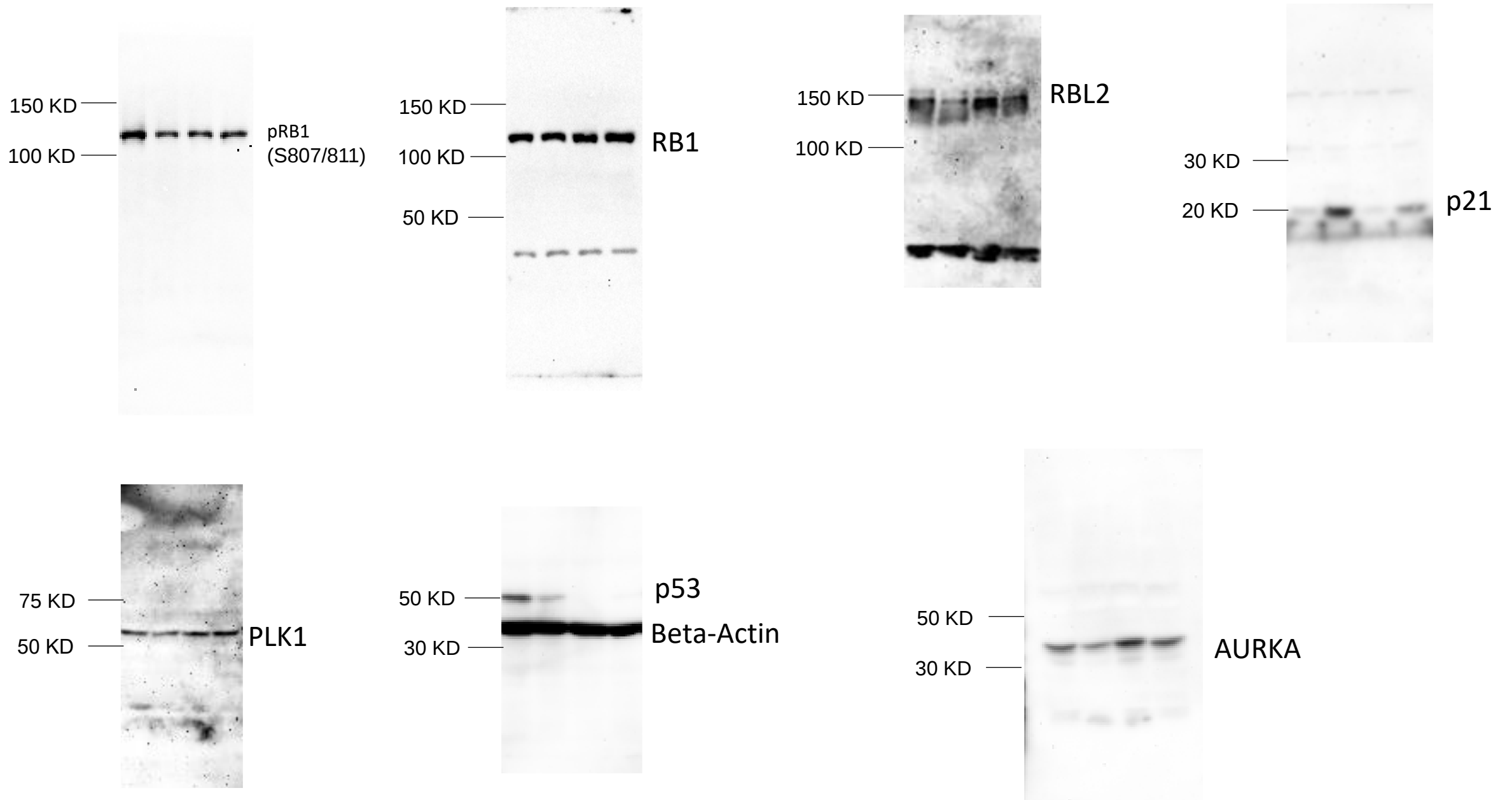
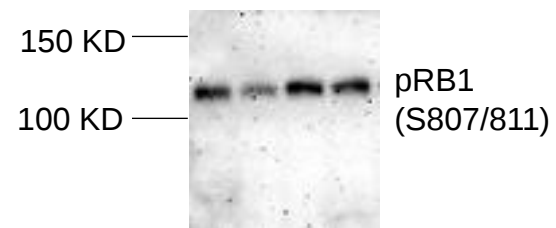


Figure S3: Original blots for figure 4A



(note: the membrane was cut into two parts with the upper part blotted for pRB1)

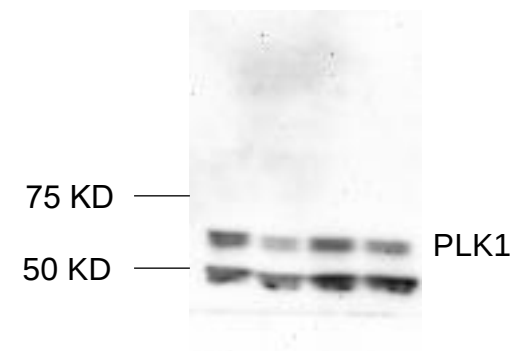
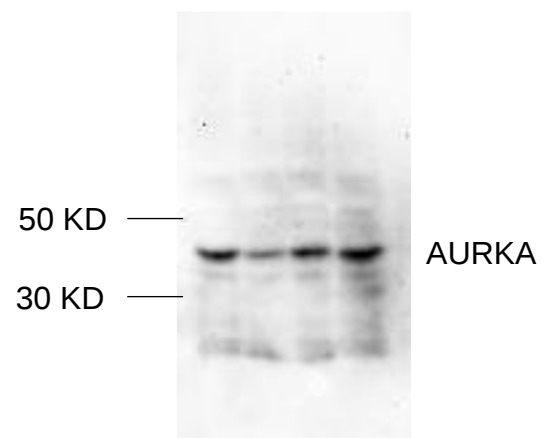
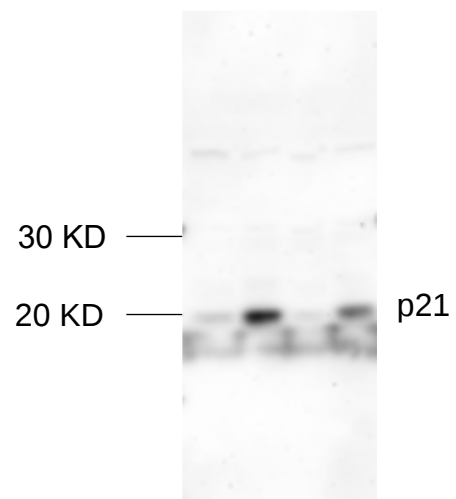
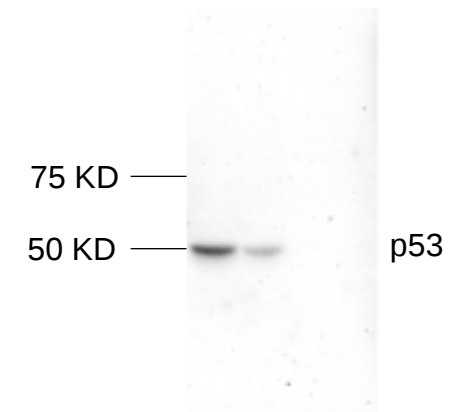
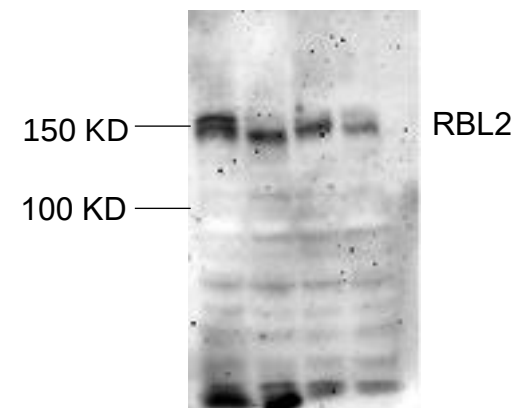
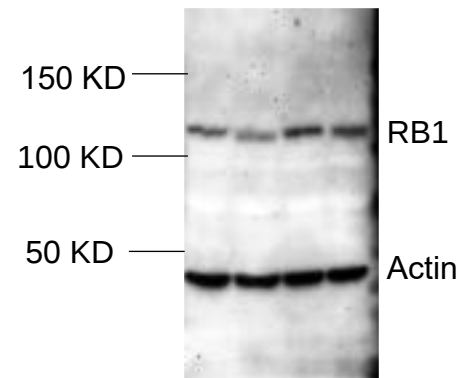


Figure S4: Original histograms of FACS analysis of cell cycle for figure 3B and 3D

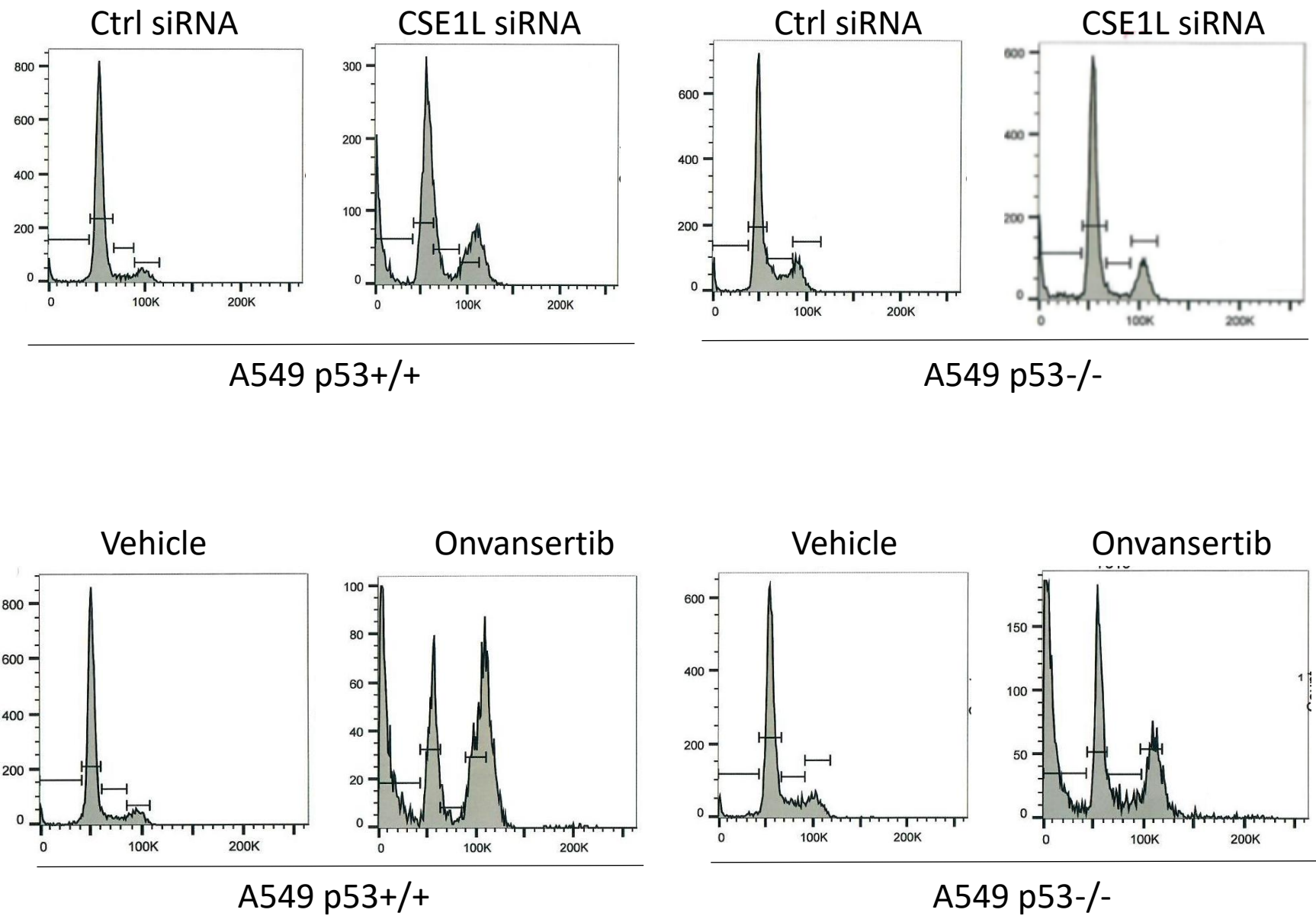


Figure S5: Original histograms of FACS analysis of cell cycle for figure 4C

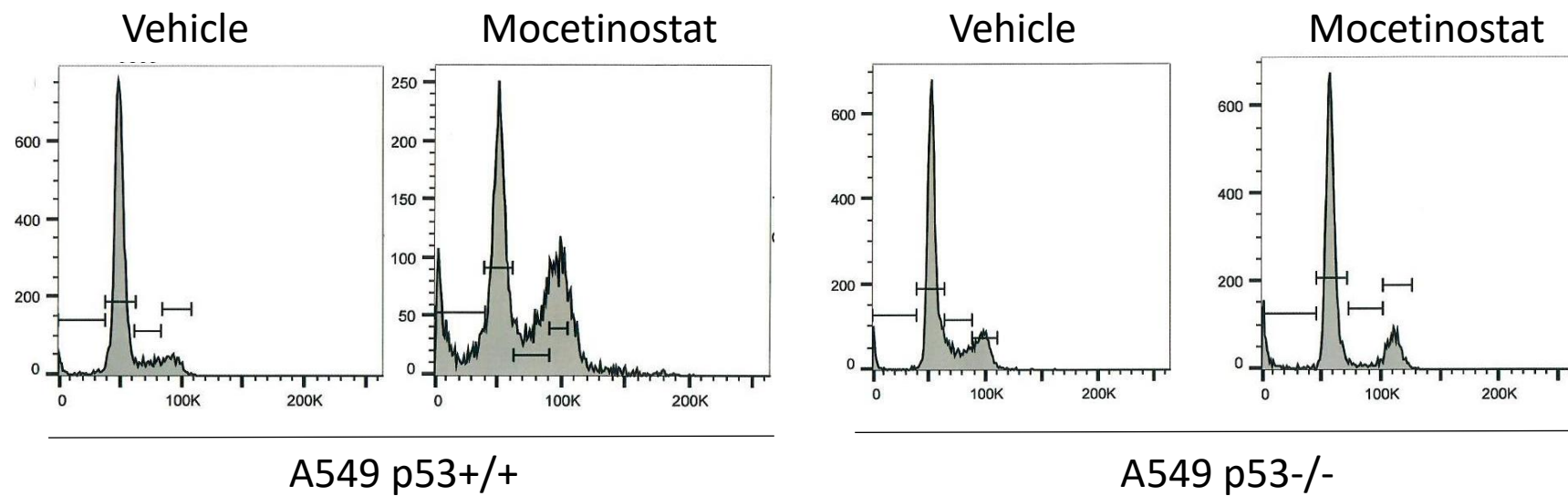
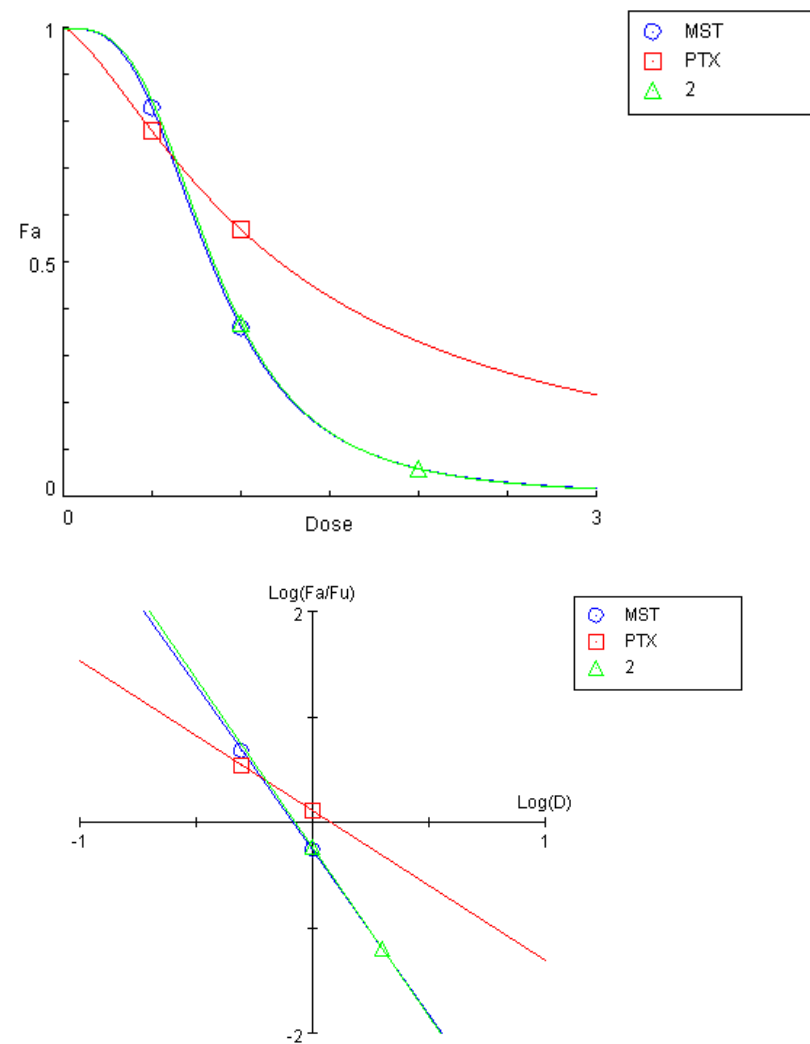


Figure S6

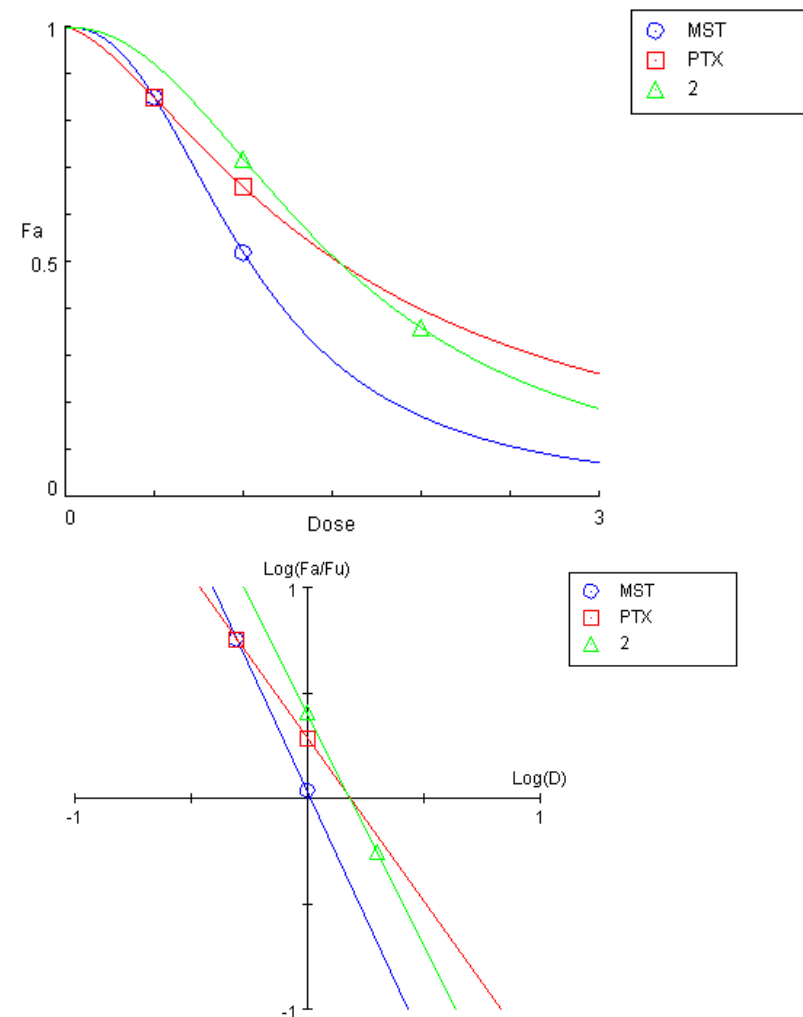
A.



CI values for MST+PTX in A549 p53+/+ cells:

Total Dose	Fa	CI Value
MST 0.5+PTX 0.5	0.37	0.78873
MST 1+PTX1	0.06	0.61556

B.



CI values for MST+PTX in A549 p53-/- cells:

Total Dose	Fa	CI Value
MST 0.5+PTX 0.5	0.72	1.31795
MST 1+PTX1	0.36	1.20859