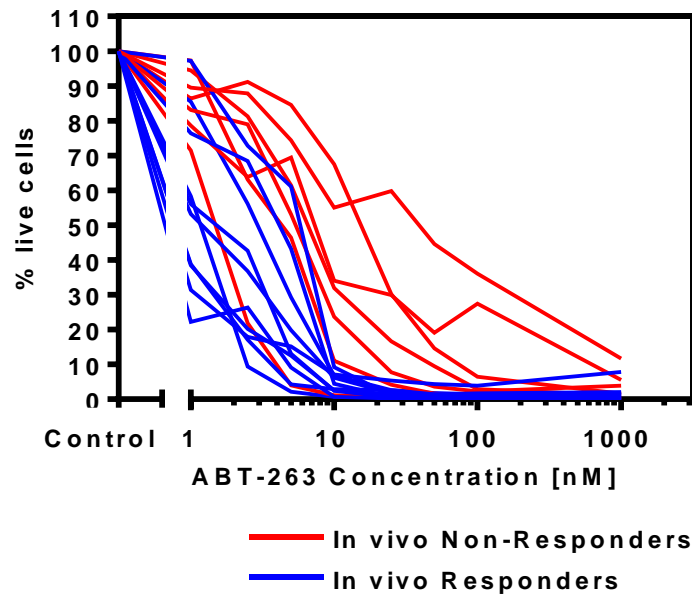


Supplementary Figure S10. *In vitro* xenograft responses to ABT-263 by co-culture assay. The percentages of live leukemia cells after exposure to various concentration of ABT263 (72 h) were measured by 7-AAD analysis using flow cytometry. Each line point represents an individual xenograft.



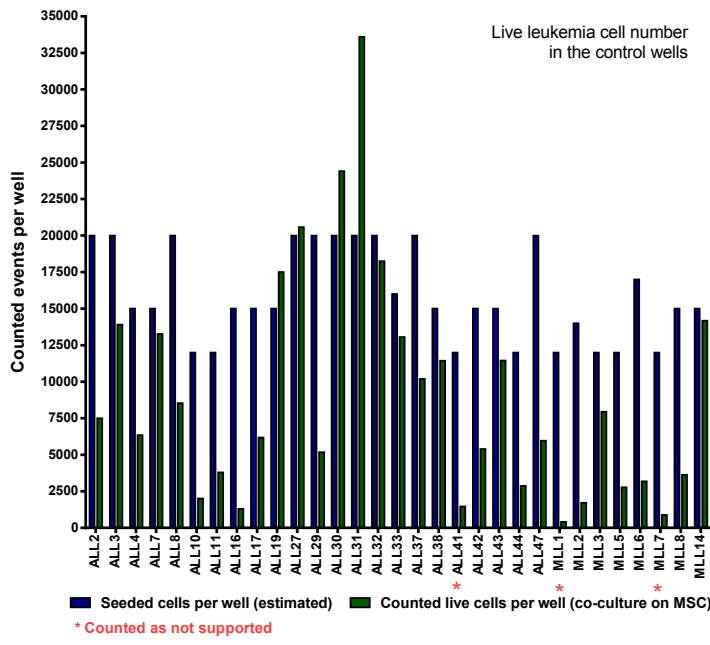
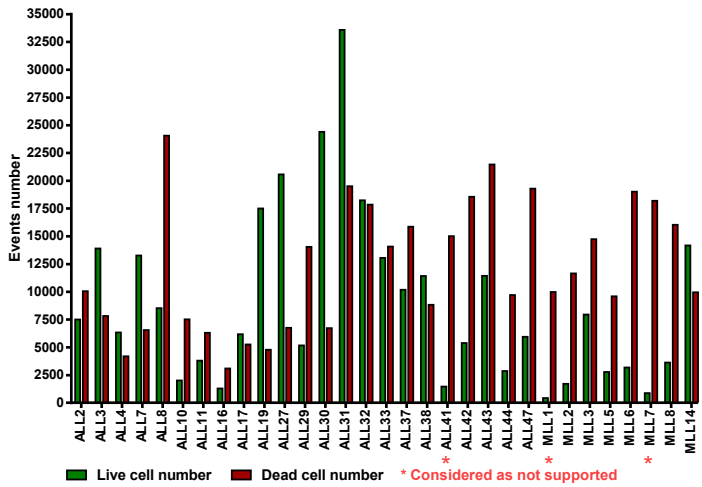
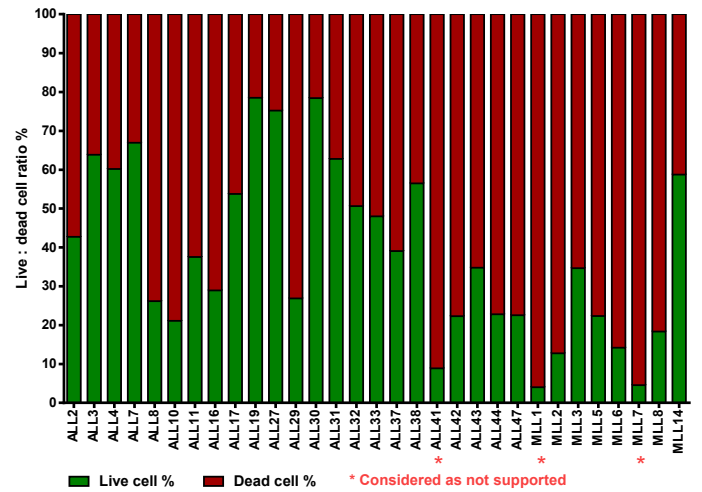
Supplementary Figure S11. Formulae to determine assay sensitivity and specificity

	Positive	Negative
Patient (n=Y)	True +	False -
Normal (n=X)	False +	True -

$$\text{Sensitivity} = \frac{\text{(true+)}}{\text{(true+) + (false-)}} \quad \text{X 100\%}$$

$$\text{Specificity} = \frac{\text{(true-)}}{\text{(true-) + (false+)}} \quad \text{X 100\%}$$

Supplementary Figure S12. Live and dead cell analysis of each xenograft sample using 7-AAD staining and flow cytometry. Live or dead cells were determined using flow cytometry and analyzed as shown in Supplementary Figure S1.



Supplementary Figure S13. Comparison of ABT-263 responses for 5 xenograft samples in co-culture system versus single-cell suspension.

