## **Supplementary Information Titles**

## Journal: Nature Medicine

Article Title:	Tumor cell-specific bioluminescence platform to identify stroma-induced changes to anti-cancer drug activity
Corresponding	Constantine S. Mitsiades
Author:	

Supplementary	Title or Caption
Item & Number	
(add rows as necessary)	
Supplementary Figure 1	Features of CS-BLI for the specific measurement of tumor
	viability in the presence or absence of accessory cells.
Supplementary Figure 2	CS-BLI confirms that co-culture with BMSCs confers
	protection against specific anti-tumor agents in MM cells.
Supplementary Figure 3	BMSCs confer protection against various agents in leukemia
	cell lines.
Supplementary Figure 4	Co-culture with BMSCs can protect solid tumor cell lines
	against anti-cancer agents.
Supplementary Figure 5	Co-culture with primary BMSCs from MM patients provides
	tumor cell protection against specific anti-cancer agents.
Supplementary Figure 6	Interaction of MM cells with BMSCs leads to distinct changes
	in transcriptional signatures indicative of the activation of key
	molecular pathways in tumor cell pathophysiology.
Supplementary Figure 7	In vitro luciferase and kinase activity assays of reversine.
Supplementary Figure 8	Imaging results over time for each reversine-treated and
	control mouse in the tumor experiment of MM.1S-GFP/luc
	cells injected i.v. vs. s.c.
Supplementary Table 1	Examples of transcripts significantly modulated in tumor cells
	by their interaction with stroma.
Supplementary Table 2	Probes of a stroma - induced transcriptional signature
	associated with adverse clinical outcome in Dex-treated
	myeloma patients.