



Supplemental Figure 1. CALR mutant Ba/F3 cells are not cytokine independent without MPL. Ba/F3 cells were created expressing empty vector, CALR^{DEL}, or CALR^{INS}, CALR^{DEL} + MPL, CALR^{INS} + MPL, or p210. 5 x 10⁴ cells were placed in either RPMI + 10% FBS (R10) media without cytokines (A and C) or R10 + 10ng/mL TPO (B and D) and cells were counted daily.

Mouse #	Type of cells injected	Days post-transplant sacrificed or found dead	%GFP in peripheral blood	%GFP in bone marrow	%GFP in spleen
389	CALR ^{DEL}	51	50.7	ND	ND
502	CALR ^{DEL}	42	42.2	33.3	28.7
521	CALR ^{INS}	55	15.5	19.6	17.1
774	CALR ^{INS}	81	63.2	33.0	49.0

ND = Not Determined

Supplemental Table 1. Information on mice with expansion of CALR^{DEL} or CALR^{INS} Ba/F3 cells at sacrifice

	mIL-3	mIFN- γ	mGMCSF	mTPO	mIL-11	mSCR	mMCSF	mIL-7	mEPO	no cytokines
Post-mouse CALR ^{DEL} (389)	Green	Red	Red	Green	Red	Red	Red	Red	Red	Green
Post-mouse CALR ^{DEL} (502)	Green	Red	Red	Green	Red	Red	Red	Red	Red	Green
Post-mouse CALR ^{INS} (774)	Green	Red	Red	Green	Red	Red	Red	Red	Red	Red
Post-mouse CALR ^{INS} (521)	Green	Red	Red	Green	Red	Red	Red	Red	Red	Red

GROWTH
NO GROWTH

Supplemental Table 2. Growth of post-mouse cell lines with specific cytokines