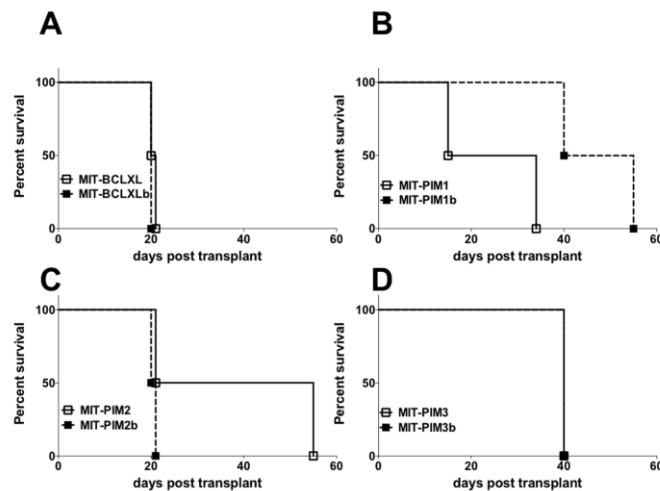


The PIM family of oncoproteins: small kinases with huge implications in myeloid leukemogenesis and as therapeutic targets

Supplementary Material



Supplemental figure 1: Myeloid malignancies expressing MYC and PIM1, PIM2 or PIM3 are transplantable leukemias. (A) BCL-XL (B) PIM1 (C) PIM2 (D) PIM3

Single cells suspensions from spleens of primary leukemic mice were frozen in complete media containing 10% DMSO at the time of analysis. Two vials representing two independent primary leukemias were thawed from each genotype and 2×10^6 viable cells were transplanted into the tail veins of sub-lethally irradiated FVB mice. Each leukemia was transplanted into two individual mice. Mice were monitored for disease following transplantation

	<i>Survival (Days)</i>	<i>Splenocytes (% Total)</i>					<i>Survival (Days)</i>	<i>Splenocytes (% Total)</i>			
		<i>GR1/ Mac1</i>	<i>CD4</i>	<i>CD8</i>	<i>CD4/CD8</i>			<i>GR1/ Mac1</i>	<i>CD4</i>	<i>CD8</i>	<i>CD4/CD8</i>
BCLx1 + MYC						PIM3 + MYC					
TOM530	20	42				TOM540	27	47			
TOM532	22	35				TOM541	27	53			
TOM533	22	65				TOM547	30	54			
TOM536	23	57	11			TOM548	30	33			
TOM566	21	39				TOM549	30	64			
TOM568	22	32				TOM573	25	45			
TOM569	25	60				TOM574	31	46			
TOM570	25	68				TOM575	31	30	11		26
						TOM579	38	45			
						TOM580	38	20			
GFP + MYC						PIM1 + MYC					
TOM556	64	20	28			TOM428	23	31			
TOM558	67	10	16			TOM431	26	65			
TOM559	67	25				TOM437	31	80			
TOM584	91					TOM438	31	64			
TOM509	103					TOM534	22	42			
TOM555	175					TOM535	22	45			
						TOM537	23	28			
PIM2 + MYC						TOM538	23	25			
TOM543	35	76				TOM539	23	33			
TOM544	35	26		16		TOM567	21	24			
TOM545	40	31				TOM571	25	30			
TOM550	44	47	15			TOM572	25	48			
TOM581	38	41	15								
TOM582	38	26	32								
TOM585	42	16	20								
TOM586	42	50	11								
TOM587	42	16	37								
TOM588	42	32									

Supplemental Figure 2: Table showing percentages of hematopoietic lineages from the spleens of leukemic mice.