

Supplementary Table S1.

For WBC, MCHC and donor chimerism, normality tests failed. ANOVA is on ranks.															
	WBC ($\times 10^{-3}/\mu\text{L}$)			MCHC (g/dL)			Donor chimerism (%)			Vector copy number per donor leukocyte					
	Mean	SD	ANOVA on ranks p=0,412	Mean	SD	ANOVA on ranks p=0,032	Mean	SD	ANOVA on ranks p=0,401		Mean	SD	ANOVA on ranks p=0,298		
C57BL/6	11.3	7.9		35.1	1.7										
β -thal	9.9	2.0		33.6	0.3										
β -thal Fresh BM	11.2	0.9		33.5	0.4		63.8	25.2		PB	1.28	0.85			
β -thal Mock Tx BM	7.6	2.5		34.6	0.7		76.0	28.8		total BM	0.88	0.40			
β -thal LG Tx BM	9.5	1.1		35.1	0.3		72.7	33.4		CFC BM	0.92	0.30			
For all the other parameters, the Holm-Sidak method was used for multiple comparisons															
	Hb (g/dL)					Retic (%)					Hc (%)				
	Mean	SD	ANOVA p<0,001	Significance Vs. C57 BL/6 Tx BM		Mean	SD	ANOVA p<0,001	Significance Vs. C57 BL/6 Tx BM		Mean	SD	ANOVA p<0,001	Significance Vs. C57 BL/6 Tx BM	
C57BL/6	15.4	1.1			N	3.0	0.9			N	43.8	2.1			N
β -thal	10.1	0.2		Y	Y	25.3	2.7		Y	Y	30.1	0.8		Y	Y
β -thal Fresh BM	10.8	0.5		Y	Y	20.7	5.5		Y	Y	32.2	1.9		Y	Y
β -thal Mock Tx BM	10.9	0.6		Y	Y	20.0	1.4		Y	Y	31.4	1.5		Y	Y
β -thal LG Tx BM	14.3	1.1		N		5.8	1.7		N		40.9	3.4		N	
	RBC ($\times 10^6/\mu\text{L}$)					MCH (pg)									
	Mean	SD	ANOVA p<0,001	Significance Vs. C57 BL/6 Tx BM		Mean	SD	ANOVA p<0,001	Significance Vs. C57 BL/6 Tx BM						
C57BL/6	10.6	0.7			N	14.5	0.3			Y					
β -thal	8.5	0.2		Y	Y	11.9	0.4		Y	Y					
β -thal Fresh BM	9.2	0.4		Y	Y	11.8	0.5		Y	Y					
β -thal Mock Tx BM	8.8	0.6		Y	Y	12.3	0.5		Y	Y					
β -thal LG Tx BM	10.7	0.7		N		13.4	0.3		Y						