Supplemental Tables

Genotype	Cell Type	Sample	Mean Contrubution	Standard Deviation	n
Wild-type	Erythrocytes	Untreated (Day 0)	35.2	9.42	11
		Day 2	8.92	2.36	8
		Day 5	13	4.58	8
		Day 12	29.6	8.08	8
		Day 20	30.7	6.5	4
	Precursors	Untreated (Day 0)	6.21	2.22	11
		Day 2	30	4.84	8
		Day 5	12.3	3.05	8
		Day 12	10	2.29	8
		Day 20	5.5	3.56	4

Supplemental Table 1. Recovery from stress anemia. Data is from Fig. 2B, representing percent of whole kidney marrow.

Genotype	Cell Type	Sample	Mean Contribution	Standard Deviation	n
Wild-type	Myelomonocytes[1]	untreated	22.7	5.77	11
	Lymphocytes[1]		14	3.1	11
	Precursors[1]		6.21	2.22	11
	Erythrocytes[1]		35.2	9.42	11
	Proerythroblasts[2]		25.5	9.01	25
	Polychromatophilic Erythroblasts[3]		11.4	6.2	25
piggytail/+	Myelomonocytes[1]		26.5	8.06	5
	Lymphocytes[1]		12.2	4.16	5
	Precursors[1]		6.42	2.42	5
	Erythrocytes[1]		28.8	12.6	18
	Proerythroblasts[2]		19.3	11.6	12
	Polychromatophilic Erythroblasts[3]		6.53	4.06	12
somitabun/+	Myelomonocytes[1]		38.2	7.79	7
	Lymphocytes[1]		19.4	2.96	7
	Precursors[1]		10	3.95	7
	Erythrocytes[1]		16.4	1.67	5
	Proerythroblasts[2]		7.01	2.2	3
	Polychromatophilic Erythroblasts[3]		1.72	0.165	3
m169/m169	Myelomonocytes[1]		33.6	12	2
	Lymphocytes1		20.2	1.48	2
	Precursors[1]		10.9	3.58	2
	Erythrocytes[1]		20.2	1.48	2
tc227/tc227	Myelomonocytes[1]		19.6	7.21	5
	Lymphocytes[1]		30.2	3.01	5
	Precursors[1]		14.3	5.31	5
	Erythrocytes[1]		24.8	5.65	5

Supplemental Table 2. Steady-state hematopoiesis. Data is from Fig. 3 and Fig. 4.
1- percent whole kidney marrow
2- percent of GFP+(low) "precursors"
3- precent of GFP+(low) "lymphocytes"

Genotype	Cell Type	Sample	Mean Contribution	Standard Deviation	n
Wild-type	Proerythrocytes[1]	Untreated (Day 0)			
		Day 2	49.9	10.2	8
		Day 5	45.7	10.6	9
		Day 12	22.9	7.24	9
	Polychromatophilic Erythroblasts[2]	Untreated (Day 0)	11	5.76	8
		Day 2	13.9	7.38	8
		Day 5	28	11.1	9
		Day12	11.1	6.33	9
	Erythrocytes[3]	Untreated (Day 0)	35.2	9.25	8
		Day 2	8.93	2.36	8
		Day 5	12.7	4.58	9
		Day 12	21.6	7.21	9
piggytail/+	Proerythrocytes[1]	Untreated (Day 0)	19.3	11.6	12
		Day 2	47.3	8.06	6
		Day 5	37.9	13.4	6
		Day 12	23	6.68	6
	Polychromatophilic Erythroblasts[2]	Untreated (Day 0)	6.53	4.06	12
		Day 2	30	7.04	6
		Day 5	35.9	11.1	6
		Day 12	11.1	3.51	6
	Erythrocytes[3]	Untreated (Day 0)	33.7	8.67	6
		Day 2	8.99	4.93	6
		Day 5	11	3.01	6
		Day 12	20.2	8.75	6
somitabun/+	Proerythrocytes[1]	Untreated (Day 0)	7.01	2.2	3
		Day 2	45.8	6.26	3
		Day 5	51.3	13.1	3
		Day 12	21.8	1.45	3
	Polychromatophilic Erythroblasts[2]	Untreated (Day 0)	1.72	0.165	3
		Day 2	28	6.85	3
		Day 5	33.3	7.59	3
		Day 12	2.7	0.618	3
	Erythrocytes[3]	Untreated (Day 0)	16.4	1.67	5
		Day 2	9.92	3.13	3
		Day 5	11.6	0.839	3
		Day12	22.6	8.47	3

Supplemental Table 3. Recovery from stress anemia. Data is from Fig. 5.
1- percent of GFP+(low) "precursors"
2- precent of GFP+(low) "lymphocytes"
3- percent whole kidney marrow

Genotype	Cell Type	Sample	Mean Contribution	Standard Deviation	n
ΔBR	Proerythrocytes[1]	Untreated (Day 0)	24.2	7.28	8
		Day 2	57.4	7.15	3
		Day 4	51	5.65	5
		Day 12	32.2	1.78	5
		Day 19	17	1.68	3
	Polychromatophilic Erythroblasts[2]	Untreated (Day 0)	19.7	7.06	8
		Day 2	37.6	0.755	3
		Day 4	52.5	4.98	5
		Day 12	29.8	9.14	5
		Day 19	13.4	4.33	3
	Erythrocytes[3]	Untreated (Day 0)	43.4	9.52	8
		Day 2	11.6	2.28	3
		Day 4	15.5	3.16	5
		Day 12	35.1	2.48	5
		Day 19	34.9	2.85	3

Supplemental Table 4. Recovery from stress anemia. Data is from Fig. 7.
1- percent of GFP+(low) "precursors"
2- precent of GFP+(low) "lymphocytes"
3- percent whole kidney marrow