

Table S2. Best-fit Dornhorst model parameters from fits to population and cohort survival data for each genotype, with 95% C.I.'s from the Monte Carlo technique in brackets.

genotype	Platelet count, N ($\times 10^3 \mu\text{L}^{-1}$)	Production rate, S ($\times 10^3 \mu\text{L}^{-1}\text{hr}^{-1}$)	Natural life span, T (hr)	random consumption rate constant, r ($\mu\text{L}^{-1}\text{hr}^{-1}$)	random loss rate, R ($\mu\text{L}^{-1}\text{day}^{-1}$)	random consumption fraction, f	labelling efficiency, e_1	labelling efficiency, e_2	biotin half-life, $b_{1/2}$ (hr)
<i>Bcl-x^{+/Pfr20}</i>	847 \pm 35	16.4 [15.5,18.2]	55.0 [53.6,57.5]	0.0022 [0.0000,0.0073]	45 [0,149]	0.12 [0.00,0.34]	0.912 [0.900,0.928]	0.612 [0.576,0.644]	0.7 [0.0,2.0]
wild type	1183 \pm 70	16.2 [14.9,16.4]	111.9 [102.3,112.4]	0.0082 [0.0053,0.0085]	233 [149,242]	0.60 [0.42,0.61]	0.891 [0.880,0.896]	0.595 [0.575,0.621]	5.2 [3.7,6.1]
<i>Bak^{-/-}</i>	1798 \pm 148	12.6 [11.9,13.3]	202.3 [192.3,209.6]	0.0037 [0.0028,0.0045]	159 [118,195]	0.53 [0.42,0.61]	0.830 [0.820,0.840]	0.569 [0.543,0.603]	5.7 [3.6,8.1]