

Table S1. Hematologic parameters of B6.Cg *an*/+ × 129/Sv *Cdk5rap2*^{RRO242} animals

Genotype	WBC ($\times 10^3/\text{ml}$)	RBC ($\times 10^6/\text{ml}$)	HGB (g/dl)	HCT (%)	MCV (fl)	PLT ($\times 10^6/\text{ml}$)	RETIC (%)	CHr (pg)
<i>+/+</i>	5.47±1.38*	9.05±0.15*	14.9±0.4*	46.7±1.8*	51.6±2.6*	1158±158	2.65±0.42*	16.7±0.3*
<i>an</i> /+	4.47±1.42*	8.80±6.65*	14.5±0.9*	45.6±1.9*	52.0±2.6*	1127±105*	3.39±0.41*	16.6±0.4*
<i>RRO242</i> /+	2.62±0.89	9.11±0.32*	15.4±0.2*	50.7±0.7*	55.7±2.4*	1176±111	2.47±0.13*	17.2±0.1*
<i>RRO242/an</i>	1.67±0.54	6.59±0.45	12.9±0.8	42.1±1.7	64.0±3.4	1300±191	4.30±0.80	19.7±0.6

Complete blood counts obtained at 6 weeks of age from F1 animals in a cross segregating the *an* and *an* insertional gene-trap allele (designated *RRO242*, http://www.genetrap.org/cgi-bin/annotation.py?gene_key=4934). Homozygous wild-type (+/+, $n=6$), heterozygous Hertwig's anemia (an/+, $n=9$), heterozygous gene-trap *Cdk5rap2*^{RRO242} (RRO242/+, $n=3$), and compound heterozygous mutant (RRO242/an, $n=11$) animals were examined. Values are presented as the mean ± 1 s.d.

WBC, white blood cells; RBC, red blood cells; HGB, hemoglobin; HCT, hematocrit; MCV, mean cell volume; PLT, platelets; RETIC, reticulocytes; CHr, mean cellular hemoglobin of the reticulocytes.

*Denotes two-tailed Student's *t*-test statistical significance values ($P<0.05$) in comparison to the *Cdk5rap2*^{RRO242/an} genotype.