

Table S1: Test Cross Progeny from $F5^{L/+} Tfp1^{+/-}$ X $F5^{L/L}$ Mating on the 129S1 Background and $F5^{L/+}$ X $F5^{L/+}$ Mating on the B6 Background

	129S1 Background $F5^{L/+} Tfp1^{+/-}$ x $F5^{L/L}$				B6 Background $F5^{L/+}$ x $F5^{L/+}$		
<i>F5</i> Genotype	L/+	L/+	L/L	L/L	+/+	L/+	L/L
<i>Tfpi</i> Genotype	+/+	+/-	+/+	+/-	+/+	+/+	+/+
Expected # of Conceptuses	25%	25%	25%	25%	25%	50%	25%
Observed, weaning age	43% (76)	42% (74)	9.0% (27)	0.0% (0)	27.1% (136)	55.8% (280)	17.1% (86)

A ~50% reduction of live weaning age $F5^{L/L}$ mice >N12 on the 129S1 background is observed compared to $F5^{L/L}$ mice >N12 on the B6 background (shown in bold).