

Table S1. Developmental Onset of Phenotypic Abnormalities in *Senp1* Mutant Embryos, Related to Figure 1

Strain	Stage	Normal	Abnormal/dead	Resorbed
<i>Senp1^{MI}</i> inbred	e9.5	5	0	0
	e10.5	15	0	0
	e11.5	13	5	12
	e12.5	12	13	22
	e13.5	10	11	33
	e14.5 – e15.5	4	20	40
<i>Senp1^{Gt}</i> inbred	e10.5	7	2	0
	e11.5	0	4	5
	e12.5	1	3	6
<i>Senp1^{Gt}</i> mixed	e8.5 – e9.5	13	4	4
	e10.5	10	3	9
	e11.5	4	2	0
	e12.5	5	3	4
	e13.5 – e14.5	3	9	13

The number of *Senp1^{Gt}* or *Senp1^{MI}* homozygous embryos that were either phenotypically normal, or showed developmental abnormalities or were dead, listed by embryonic stage. Also listed is the number of partial or complete resorptions found at each developmental stage. Although impossible to genotype accurately, the majority of resorbed embryos likely represent mutants that died prior to dissection.