

**Table S5. Genotype distribution and incidence of head malformations in *Cttnb1-Bfc* mutant embryos<sup>†</sup>**

Genotype	Distribution of genotypes: number (%) <sup>*</sup>					Number of mice with head defects/number analyzed (%)			
	E7.0-8.0	E8.0-9.0	E9.0-10.0	E10.0-11.0	Overall	E7.0-8.0	E8.0-9.0	E9.0-10.0	E10.0-11.0
Wild type	3 (21)	1 (11)	8 (26.5)	3 (37.5)	15 (24.5)	0/3 (0)	0/1 (0)	0/8 (0)	0/3 (0)
<i>Cttnb1</i> <sup>Bfc/+</sup>	7 (50)	8 (89)	15 (50)	4 (50)	34 (56)	0/7 (0)	3/8 (37.5) <sup>‡</sup>	14/15 (93.5) <sup>**</sup>	3/4 (75)
<i>Cttnb1</i> <sup>Bfc/Bfc</sup>	4 (28.5)	0 (0)	7 (23.5)	1 (12.5)	12 (19.5)	0/4 (0)	0/0	7/7 (100) <sup>**</sup>	1/1 (100) <sup>‡</sup>

<sup>†</sup>From *Cttnb1*<sup>Bfc/+</sup> × *Cttnb1*<sup>Bfc/+</sup> intercrosses, C57BL/6 background.

<sup>\*</sup>Not different from the expected Mendelian distribution.

<sup>\*\*</sup>Significantly different from wild type at  $P < 0.001$  by  $\chi^2$ -test.

<sup>‡</sup>Sample size too small for testing.