**Supplemental Table S2:** Rescue of *Nkx2.5Cre; Bmp2flox/flox* lethality by *Bmp2tg.* Genotypes obtained after breeding *Nkx2.5Cre/Cre;Bmp2flox/+* males with *Bmp2tg/+;Bmp2flox/flox* females.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Number of embryos \*necrotic#resorptions | *Nkx2.5Cre/+;**Bmp2+/+;**Bmp2flox/+* | *Nkx2.5Cre/+;**Bmp2tg/+;**Bmp2flox/flox* | *Nkx2.5Cre/+;**Bmp2+/+;**Bmp2flox/flox* | *Nkx2.5Cre/+;**Bmp2tg/+;**Bmp2+/+* |
| E9.5 | 58\* 2 (3.63%); #3 (5,17%) | 9 (15.51%) | 14 (24.13%) | 14 (24.13%) | 16 (27.58%) |
| E11.5 | 41\*12 (29.26%); #8 (19,51%) | 12 (29.26%) | 1(2.43%) | 0 (0%) | 8 (19.51%) |
| E12.5 | 16\*4 (25%); #4 (25%) | 3 (18.75%) | 3 (18.75%) | 0 (0%) | 2 (12.5%) |
| E14.5 | 38\*6 (15.78%); #8 (21,05%) | 8 (21.91%) | 5 (13.15%) | 0 (0%) | 11 (28.94%) |
| total | 153\*24 (15.68%); #23 (25,03%) | 32 (20.91%) | 23 (15.03%) | 14 (9.15%) | 37 (24.18%) |