**Additional File 4**

**Table 2. Homozygous mice Fertility.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Mating** | | **Mean Nº litters** | **Mean Nº pups per litter** | | | |
| Male | Female |  | 1 | 2 | 3 | 4 |
| *ex2/ex2* | +/ | 3.2±0.83 | 7.8±1.6 | 6.0±1.87 | 3.5±1.29 | 2.5±0.7 |
| *ex2/ex2* | *+/ex2* | 3±1 | 5.6±1.14 | 2.5±1.29 | 2.0±1.0 | 1.5±0.7 |
| +/ | *ex2/ex2* | 2.4±1.14 | 6.8±1.9 | 4.75±0.95 | 7.5±0.7 | 1 |
| *+/ex2* | *ex2/ex2* | 2±0.7 | 3.6±0.89 | 3.0±0.81 | 1.5±0.7 | 1 |