**Table S5.** Embryonic survival of *F2rl1-/-; St14-/-* mice.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Age** | **Survival of *F2rl1-/-*embryos**  **Observed (Expected1)** | | | **Relative survival of *F2rl1-/-*; *St14-/-* embryos** | **P value**  **(chi-square)2** |
| ***St14+/+*** | ***St14+/-*** | ***St14-/-*** | **(% of expected)** |  |
| **E10.5**  **E11.5**  **E12.5**  **E13.5**  **E14.5**  **E15.5** | 4 (5.25)  5 (5.25)  10 (11.25)  23 (18.5)  7 (7.25)  9 (5.5) | 12 (10.5)  10 (10.5)  24 (22.5)  40 (37)  21 (14.5)  13 (11) | 5 (5.25)  6 (5.25)  11 (11.25)  11 (18.5)  1 (7.25)  0 (5.5) | 95  114  98  59  14  0 | 0.90  0.71  0.93  0.04  0.007  0.007 |

1 Mendelian distribution based on parental genotypes (*F2rl1+/-;St14+/-*x *F2rl1+/-;St14+/-* and *F2rl1-/-;St14+/-*x *F2rl1+/-;St14+/-* breeding pairs)

2 Observed vs. expected distribution of matriptase-deficient (*St14-/-*) and matriptase-expressing (*St14+/+* and *St14+/-*) mice among *F2rl1*-deficient embryos