**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) | 951149859140 | 0.900.710.930.040.0070.007 |

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