**Supplementary Table 1. Birth weight, neonatal growth and activity in twin-born lambs included in spontaneous physical activity measures.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Control | PR | Significance |
|  | Male | Female | Male | Female | Treatment | Sex | T\*S |
| N Lambs | 2 | 6 | 8 | 9 |  |  |  |
| Birth weight (kg) | 4.88 ± 0.03 | 4.57 ± 0.32 | 4.43 ± 0.29 | 3.90 ± 0.25 | 0.192 | 0.079 | 0.453 |
| Neonatal growth rate (kg/d) | 0.41 ± 0.02 | 0.34 ± 0.02 | 0.38 ± 0.03 | 0.32 ± 0.03 | 0.274 | 0.008 | 0.533 |
| Neonatal growth rate (%/d) | 8.48 ± 0.40 | 7.68 ± 0.85 | 8.63 ± 0.42 | 8.28 ± 0.42 | 0.502 | 0.318 | 0.194 |
|  *Spontaneous Ambulatory Activity in Adolescence* |
| Distance travelled throughout entire recording period (m/h) | 136 ± 18 | 159 ± 9 | 134 ± 8 | 153 ± 8 | 0.706 | 0.033 | 0.824 |
| Distance travelled during daylight (m/h) | 189 ± 35 | 265 ± 17 | 192 ± 13 | 244 ± 13 | 0.677 | 0.003 | 0.553 |
| Distance travelled during night (m/h) | 106 ± 10 | 89 ± 7 | 92 ± 7 | 95 ± 6 | 0.459 | 0.144 | 0.041 |
|  *Spontaneous Ambulatory Activity in Adulthood* |
| Distance travelled throughout entire recording period (m/h) | 162 ± 17 | 112 ± 9 | 134 ± 6 | 133 ± 6 | 0.734 | 0.021 | 0.025 |
| Distance travelled during daylight (m/h) | 247 ± 59 | 186 ± 35  | 197 ± 21 | 276 ± 21 | 0.604 | 0.800 | 0.056 |
| Distance travelled during night (m/h) | 127 ± 20 | 95 ± 12 | 97 ± 9 | 108 ± 8 | 0.463 | 0.354 | 0.067 |

Treatment\*sex interaction is indicated by T\*S. Consistent with main paper, data for birth weight and neonatal growth are actual means ± SEM, and data for spontaneous ambulatory activity are estimated means ± SEM.