**Using animal‐mounted sensor technology and machine learning to predict time-to-calving in beef and dairy cows**

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Supplementary Table S1: Number of beef and dairy cows at each 24 hour period with robust data successfully captured for eating, rumination and relative activity using neck mounted accelerometers (Silent Herdsman collars), and tail raising behaviour using tail mounted accelerometers.

|  |  |  |  |
| --- | --- | --- | --- |
| Hours prior to calf expulsion | Eating / Rumination | Activity | Tail Raise |
| Beef |  |  |  |
| 168 | 80 | 71 | 53 |
| 144 | 88 | 76 | 55 |
| 120 | 97 | 86 | 56 |
| 96 | 105 | 94 | 63 |
| 72 | 115 | 103 | 72 |
| 48 | 124 | 111 | 75 |
| Dairy |  |  |  |
| 168 | 68 | 86 | 44 |
| 144 | 69 | 89 | 46 |
| 120 | 78 | 96 | 49 |
| 96 | 78 | 98 | 51 |
| 72 | 80 | 100 | 52 |
| 48 | 81 | 101 | 53 |