**Table S7.** Summary of Pearson’s correlation coefficients comparing social network metrics derived from collars deployed on captive elk (this study) and wild elk [1]. Note, no significant relationship between network metrics calculated in different systems.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Graph strength** | **Eigenvector centrality** | **Degree** |
| High density | r = –0.14  t24 = –0.71  p = 0.48 | r = –0.31  t24 = –1.6  p = 0.11 | r = –0.19  t24 = –0.99  p = 0.32 |
| Medium density | r = 0.02  t24 = 0.10  p = 0.92 | r = 0.11  t24 = 0.56  p = 0.57 | r = –0.33  t24 = –1.7  p = 0.09 |
| Low density | r = –0.02  t24 = –0.09  p = 0.93 | r = –0.06  t24 = –0.31  p = 0.75 | r = –0.12  t24 = –0.59  p = 0.56 |

**References**

1. Vander Wal E, Paquet PC, Messier F, Mcloughlin PD. Effects of phenology and sex on social proximity in a gregarious ungulate. Can J Zool. 2013;91:601–9.