

Supplementary material

Title: The curious case of the hypothalamic-pituitary-gonadal axis dysfunction in subordinate female naked mole-rats (*Heterocephalus glaber*): no apparent role of opioids and glucocorticoids

Running title: Social suppression in female naked mole-rats

D.W. Hart^{1*}, E. Roberts^{2*}, M.J. O’Riain², R.P. Millar^{3,4} & N.C. Bennett^{1,5}

¹Department of Zoology and Entomology, University of Pretoria, Pretoria 0002, South Africa

²Department of Zoology, University of Cape Town, Rondebosch 7701, Cape Town

³Centre for Neuroendocrinology, Department of Immunology, University of Pretoria, Pretoria, South Africa

⁴Department of Integrative Biomedical Sciences, Institute of Infectious Diseases and Molecular Medicine, University of Cape Town, South Africa

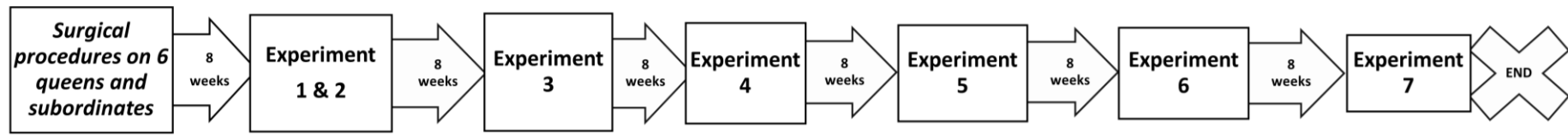
⁵Mammal Research Institute, Department of Zoology & Entomology, University of Pretoria, Pretoria 0002. South Africa

● Equal contributions

*Corresponding author:

Daniel W. Hart

Email: u10022725@tuks.co.za



Supplementary Figure 1: A flow chart showing the experimental timeline experienced by 12 female naked mole-rats (*Heterocephalus glaber*).