

10.1071/ZO12064_AC

©CSIRO 2012

Australian Journal of Zoology 2012, 60(4), 225-234

Supplementary Material

The genetic mating system of the long-nosed potoroo (*Potorous tridactylus*) with notes on male strategies for securing paternity

Greta J. Frankham^{A,B,C}, Robert L. Reed^A, Mark D. B. Eldridge^B, Kathrine A. Handasyde^A

^A Department of Zoology, The University of Melbourne, Melbourne, Victoria 3010.

^B Terrestrial Vertebrates, Australian Museum, Sydney, New South Wales, 2010

^C Corresponding author: Department of Zoology, University of Melbourne, Victoria 3010, Phone: (+61) 3 8344 4873, fax: (+61) 3 8344 7909

Email: g.frankham@student.unimelb.edu.au

Table S1. Summary diversity statistics for the 10 microsatellite loci used in this study. NA ; total number of alleles; H_O , Observed Heterozygosity, and H_E , Expected Heterozygosity.

Loci	NA	H_O	H_E
G26.4	3	0.65	0.46
Pl12	3	0.59	0.67
Bt76	3	0.34	0.39
Me14	3	0.35	0.49
Pl13	4	0.32	0.36
Pa593	6	0.78	0.77
Pl118	1	0.00	0.00
Y175	4	0.79	0.71
Pa297	4	0.35	0.57
Y151	4	0.91	0.67

Table S2. Duration on site and body mass for all male long-nosed potoroos captured on site and included in paternity analysis. * FI D35 was first recorded on site as a pouch young in 2008 and was not recorded again until 2010. Days on site data for this individual is given for the time present as an adult.

Individual	Mass (g) at first capture	Mass (g) at last capture	Date of first capture	Total days on site (months)	Mass (g) when first sired
<i>Sires</i>					
FI D5	1300	1330	23/06/2005	884 (29)	1275
FI D7	1150	1040	20/07/2005	280 (9)	1150
FI D21	760	1170	24/05/2006	1532 (50)	1160
FI D25	860	1130	27/07/2006	680 (22)	1080
FI D37	1140	1275	14/08/2008	281 (9)	1140
<i>Non-sires</i>					
FI D3	925	970	22/06/2005	31 (1)	-
FI D4	975		23/06/2005	1 record	-
FI D9	1150	1050	21/07/2005	27 (1)	-
FI D15	1050	1135	7/12/2005	141 (5)	-
FI D18	950	990	25/04/2006	32 (1)	-
FI D26	840	1140	27/07/2006	204 (7)	-
FI D27	990		13/12/2006	1 record	-
FI D28	800	1140	1/09/2006	270 (9)	-
FI D29	1200	1200	14/08/2007	100 (3)	-
FI D35*	140	1150	03/08/2010	1 record*	-
FI D39	820		23/11/2007	1 record	-
FI D43	840		9/02/2010	1 record	-
FI D44	1080	1070	9/02/2010	199 (6)	-
FI D47	1070	1140	3/08/2010	24 (1)	-