

SUPPLEMENTARY MATERIAL

TABLE S1. Occurrence records for *Inermicapsifer madagascariensis*, *Hymenolepis diminuta*, *Hymenolepis nana* used in the species distribution models of rodent-borne cestode species in South Africa

Reference	Cestode species	Host	Geographic locality			GPS coordinates		Source*
Collins 1972	<i>I. madagascariensis</i>	<i>R rattus</i>	South Africa	Gauteng	Pretoria Kruger National Park	-25.74	28.17	inferred
Collins 1972	<i>I. madagascariensis</i>	<i>M natalensis</i>	South Africa	Mpumalanga	Retba	-24.97	31.82	inferred
Sall-Drame et al. 2010	<i>I. madagascariensis</i>	<i>Arvicanthis niloticus</i>	Senegal	Retba		14.83	17.23	published
Brouat et al. 2007	<i>I. madagascariensis</i>	<i>M natalensis</i>	Senegal	Kedougou		12.56	12.17	published
Brouat et al. 2007	<i>H. nana</i>	<i>Mastomys erythroleucus</i>	Senegal	Kedougou		12.56	12.17	published
Goldsmid 1972	<i>I. madagascariensis</i>	<i>M natalensis</i>	Zimbabwe		Harare	-17.88	31.02	inferred
Archer et al. 2017	<i>H. diminuta</i>	<i>R norvegicus</i>	South Africa	KwaZulu Natal	Durban	-29.86	31.03	inferred
Archer et al. 2017	<i>H. nana</i>	<i>R norvegicus</i>	South Africa	KwaZulu Natal	Durban	-29.86	31.03	inferred
Archer et al. 2017	<i>H. diminuta</i>	<i>R rattus</i>	South Africa	KwaZulu Natal	Dassenhoek	-29.85	30.78	inferred
Mafiana et al. 1997	<i>H. diminuta</i>	<i>R rattus</i>	Nigeria		Abeokuta	12.56	-12.17	inferred
Diagne et al. 2016	<i>H. diminuta</i>	<i>R rattus</i>	Senegal	Kedougou		13.81	-12.72	inferred
Diagne et al. 2016	<i>H. diminuta</i>	<i>R rattus</i>	Senegal	Soutouta		-26.11	28.10	inferred
this study	<i>H. diminuta</i>	<i>R. norvegicus</i>	South Africa	Gauteng	Alexandra	-26.11	28.10	
this study	<i>H. nana</i>	<i>R. norvegicus</i>	South Africa	Gauteng	Alexandra Hammans kraal	-25.48	28.19	
this study	cestode	<i>R tanezumi</i>	South Africa	Gauteng	Hammans kraal	-25.50	28.27	
this study	cestode	<i>R tanezumi</i>	South Africa	Gauteng	Hammans kraal	-25.40	28.26	
this study	<i>I. madagascariensis</i>	<i>M coucha</i>	South Africa	Gauteng	Hammans kraal	-25.40	28.26	
this study	cestode	<i>R tanezumi</i>	South Africa	Gauteng	Hammans kraal	-25.91	28.14	
this study	cestode	<i>R tanezumi</i>	South Africa	Gauteng	Pretoria	-25.94	28.01	
this study	cestode	<i>R norvegicus</i>	South Africa	Gauteng	Diepsloot	-25.80	28.30	
this study	cestode	<i>R tanezumi</i>	South Africa	Gauteng	Pretoria	-25.75	28.25	
this study	cestode	<i>R tanezumi</i>	South Africa	Gauteng	Pretoria	-25.75	28.25	
this study	<i>H. diminuta</i>	<i>R rattus</i>	South Africa	Gauteng	Pretoria	-25.70	28.16	
this study	<i>I. madagascariensis</i>	<i>M coucha</i>	South Africa	Gauteng	Pretoria	-25.70	28.16	
this study	cestode	<i>R tanezumi</i>	South Africa	Gauteng	Pretoria	-26.00	28.21	
this study	<i>H. diminuta</i>	<i>R norvegicus</i>	South Africa	Gauteng	Tembisa	-25.75	28.30	
this study	cestode	<i>R tanezumi</i>	South Africa	Gauteng	Pretoria	-25.71	28.23	

this study	cestode <i>I. madagascariensis</i>	<i>R tanezumi</i>	South Africa	Gauteng	Pretoria	25.37	28.28	
this study	<i>H. nana</i>	<i>M coucha</i>	South Africa	Gauteng	Hammanskraal Mthatha	-17.88	31.02	
Adeleke et al. 2015	<i>H. nana</i>	human prevalence	South Africa	Eastern Cape	General Hospital			inferred
Gumbo et al. 2010	<i>H. nana</i>	human prevalence	South Africa	Limpopo	Malamulele	-23.01	30.72	published
Collins 1972	<i>I. madagascariensis</i>	human prevalence	South Africa	Gauteng	Pretoria	-25.74	28.17	inferred
van Niekerk et al. 1979	<i>H. nana</i>	human prevalence	South Africa	Western Cape	Gugulethu	-33.99	18.56	inferred
van Niekerk et al. 1979	<i>H. nana</i>	human prevalence	South Africa	Eastern Cape	Tsolo	-31.32	28.75	inferred
Kark & Le Riche 1944	<i>H. nana</i>	human prevalence	South Africa	Free State	Bloemfontein	-29.08	26.25	inferred
Kark & Le Riche 1944	<i>H. nana</i>	human prevalence	South Africa	Gauteng	Pretoria	-25.74	28.17	inferred
Kark & Le Riche 1944	<i>H. nana</i>	human prevalence	South Africa	KwaZulu Natal	Nqutu	-28.19	30.66	inferred
Kark & Le Riche 1944	<i>H. nana</i>	human prevalence	South Africa	KwaZulu Natal	Pietermaritzburg	-29.56	30.39	inferred
Frean & Dini 2004	<i>I. madagascariensis</i>	human prevalence	South Africa	Gauteng	Roodepoort	-26.16	27.89	inferred
Frean & Dini 2004	<i>I. madagascariensis</i>	human prevalence	South Africa	North West Province	Klerksdorp	-26.86	26.65	inferred
Frean & Dini 2004	<i>I. madagascariensis</i>	human prevalence	South Africa	Gauteng	Benoni	-26.17	28.36	inferred
Frean & Dini 2004	<i>I. madagascariensis</i>	human prevalence	South Africa	West Province	Lichtenburg	-26.16	26.18	inferred
Frean & Dini 2004	<i>I. madagascariensis</i>	human prevalence	South Africa	KwaZulu Natal	Ukomaas	-30.21	30.79	inferred
Frean & Dini 2004	<i>I. madagascariensis</i>	human prevalence	South Africa	Eastern Cape	Grahamstown	-33.32	26.51	inferred
Frean & Dini 2004	<i>I. madagascariensis</i>	human prevalence	South Africa	Gauteng	Johannesburg	-26.19	28.02	inferred
Goldsmid 1972	<i>I. madagascariensis</i>	human prevalence	South Africa	Gauteng	Harare	-17.84	31.02	inferred
Adams et al. 2005	<i>H. nana</i>	human prevalence	South Africa	Western Cape	Parow	-33.93	18.60	inferred
Walker 2000	<i>H. nana</i>	human prevalence	South Africa	Gauteng	Kagiso	-26.13	27.78	published
Walker 2000	<i>H. nana</i>	human prevalence	South Africa	Gauteng	Hekpoort	-25.88	27.62	published
Fincham et al. 1996	<i>H. nana</i>	human prevalence	South Africa	Western Cape	De Doorns	-33.48	19.66	inferred
Mosala 1995	<i>H. nana</i>	human prevalence	South Africa	Free State	Qwa-Qwa	28-30S	28-30E	published
Mosala 1995	<i>H. diminuta</i>	human prevalence	South Africa	Free State	Qwa-Qwa	28-30S	28-30E	published

*Inferred georeferenced coordinates from study area using Google Maps