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Appendix 1. The database
This database was developed by A. Baynes (Western Australian Museum), R. N. Brereton (Parks and Wildlife Service, Tasmania), A. A. Burbidge (Department of Environment and Conservation, Western Australia), C. R. Dickman (University of Sydney), G. Gordon (Queensland Parks and Wildlife Service), N. L. McKenzie (Department of Environment and Conservation, Western Australia), P. W. Menkhorst (Department of Sustainability and Environment, Victoria), A. C. Robinson (Department of Environment and the Arts, Northern Territory)

Terrestrial mammal species	IBRA region	don that
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Dasyurus hallucatus Gould, 1842 Northern quoll	PP P D PEX DP DP PEX EX	
Parantechinus apicalis (Gray, 1842) Dibbler		D EX
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Fseudantechinus mimulus (Thomas, 1906) Carpentarian antechinus		
Pseudantechnus ningang Kitchener, 1988 Ningang antechnus		
Pseudantechinus wootieyae Kitchener & Caputi, 1988 — Woolley's antechinus		
Pseudantechinus roryi Cooper, Aplin & Adams, 2000 Tan antechinus	٠.	
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Antechinus subtropicus Van Dyck & Crowther 2000 Subtropical antechinus		
Antechinus swainsonii (Waterhouse, 1840) Dusky antechinus	d d	
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Sminthopsis douglasi Archer, 1979 Julia Creek dunnart	Q	Ь
Sminthopsis gilberti Kitchener, Stoddart & Henry, 1984 Gilbert's dunnart	P P	
Sminthopsis granulipes Troughton, 1932 White-tailed dunnart		Ь
Sminthopsis griseoventer Kitchener, Stoddart & Henry, 1984 Grey-bellied dunnart		P SD
Sminthopsis hirtipes Thomas, 1898 Hairy-footed dunnart	ત ત ત	EX
Sminthopsis leucopus (Gray, 1842) White-footed dunnart	۵.	

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Thylacinus cynocephalus Harris, 1808 Thylacine				EX															
Echymipera rufescens (Peters & Doria, 1875) Rufous spiny bandicoot											Ь								
Isoodon auratus (Ramsay, 1887) Wintaroo, Golden bandicoot	SD EX			EX	EX EX	SD	EX			EX				EX	EX	EX			EX
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Isoodon obesulus (Shaw, 1797) Southern brown bandicoot		SD		Ь							Ь						Ь	SD	
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Perameles eremiana Spencer, 1897 Walilya, Desert bandicoot					EX					EX									
Perameles gunnii Gray, 1838 Eastern barred bandicoot																			
Perameles nasuta Geoffroyi, 1804 Long-nosed bandicoot	D	SD	SD					Ь			Ь								
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Potorous gilbertii Gould, 1841 Gilbert's potoroo																			
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Macropus bernardus Rothschild, 1904 Black wallaroo	Ь			Ь													
Macropus dorsalis (Gray, 1837) Black-striped wallaby		ЬР					Ь				Ь		D	Ь			
Macropus eugenii (Desmarest, 1817) Tammar wallaby	D														D EX	×	
Macropus fuliginosus (Desmarest, 1817) Western grey kangaroo	Ь		Ь				Ь	Ь					Ь			•	
Macropus giganteus Shaw, 1790 Eastern grey kangaroo	Ь	P P	D P		P		Ь	Ь	Ь		Ь		Ь	Ь			
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Macropus irma (Jourdan, 1937) Western brush wallaby	Ь														Ь		
Macropus parma Waterhouse, 1845 Parma wallaby																	
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Fetrogate assimitis Kamsay, 1877 Allied Fock-wallaby	5	7		£		4			,			,		4			
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Petrogale burbidgei Kitchener & Sanson, 19/8 Monjon												EX					
Petrogale coenensis Eldridge & Close, 1992 Cape York rock-wallaby				,					Ь	,							
Petrogale concinna Gould, 1842 Nabarlek	Ч			Ъ						Ъ							
Petrogale godmani Thomas, 1923 Godman's rock-wallaby									Ь					Ь			
Petrogale herberti Thomas, 1923 Herbert's rock-wallaby		ЬР															
Petrogale inornata Gould, 1842 Unadorned rock-wallaby							Ь										
Petrogale lateralis Gould, 1842 Warru, Black-footed rock-wallaby	SD	_		SD	Ь		EX	О				P D	_		SD F	P D	_
Petrogale mareeba Eldridge & Close 1992 Mareeba rock-wallaby														Ь			
Petrogale penicillata (Gray, 1842) Brush-tailed rock-wallaby		О						EX					EX				
Petrogale persephone Maynes, 1982 Prosperpine rock-wallaby							Ь										
Petrogale purpureicollis Le Souef, 1924 Purple-necked rock-wallaby																	
Petrogale rothschildi Thomas, 1904 Rothschild's rock-wallaby																	
Petrogale sharmani Eldridge & Close, 1992 Mount Claro rock-wallaby														Ь			
Petrogale xanthopus Grav, 1855 Yellow-footed rock-wallaby			SD		D	_									EX	×	
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Thylogale billardieri (Desmarest, 1822) Tasmanian pademelon			Ь														
Thylogale stigmatica (Gould, 1860) Red-legged pademelon							Ь		Ь								
Thylogale thetis (Lesson, 1827) Red-necked nademelon																	
Wallabia bicolor (Desmarest, 1804) Swamp wallaby	Д	Ь					Ь	Д	Ь		Д		Д	Д			
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Pteronus scanulatus Peters, 1862 – Little red flying-fox				ЬР	Р	Д	_				Д	ЬР		Д			
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Pteropus banakrisi Richards & Hall. 2001 Torresian flying-fox									, 								
Pteropus brunneus Dobson, 1878 Percy Island flying-fox						ш	EX										
Pteropus conspicillatus Gould, 1850 Spectacled flying-fox									Ь					Ь			
Pteropus macrotis Peters, 1867 Large-eared flying-fox									Ь								
Dobsonia moluccensis (Quoy & Gaimard, 1830) Bare-backed fruit bat									Ь								
Nyctimene robinsoni Thomas, 1904 Eastern tube-nosed bat		Ь					Ь		Ь								
Nyctimene cephalotes Pallas, 1767 Torresian tube-nosed bat									Ь								
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Conilurus penicillatus (Gould, 1842) Pakooma, Brush-tailed rabbit-rat	D SD					EX	SD	EX				
Leggadina forresti (Thomas, 1906) Anoola, Forrest's mouse	d d	SD P	ЕХ Р	٥	Ы	Q	ь	о о		Ω a		Ь
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Leporitius conditor (Sturt, 1848) Wopilkara, Greater stick-nest rat	X T	EX	EX EX	EX	EX				ΕΥ		SS	
Mastacomys fuscus Thomas, 1882 Tooarrana, Broad-toothed rat	Ь											
Mesembrionnys gouldii (Gray, 1843) Djintamoonga, Black-footed tree-rat	Р Р	P			D	Ь	Ь			D		
Mesembriomys macrurus (Peters, 1876) Koorrawal, Golden-backed tree-rat			EX					EX				
Notomys alexis Thomas, 1922 Tarrkawarra, Spinifex hopping-mouse	Ы	Ь	ЬР	Ь	Ь			ЬР			,	д ;
Notomys amplus Brazenor, 1936 Yoontoo, Short-tailed hopping-mouse								EX			_	EX
Notomys aquilo Thomas, 1921 Woorrentinta, Northern hopping-mouse	ЬР	Ь			SD							
Notomys cervinus (Gould, 1853) Ooarri, Fawn hopping-mouse		EX	Ь									
Notomys fuscus (Jones, 1925) Wilkinti, Dusky hopping-mouse											_	EX
Notomys longicaudatus (Gould, 1844) Koolawa, Long-tailed hopping-mouse	EX	EX EX	EX		EX						-	EX
Notomys macrotis I homas, 1921 Noompa, Large-eared hopping-mouse	EX			-					Ì	£	۵	
Notomys muchellii (Ogilby, 1858) Fankot, Mitchell s nopping-mouse				4					EA	7	П	
Notomis robustus Mahoney Smith & Medlin 2008 Broad-cheeked honning-mouse	Y-J											
Pseudomys albocinereus (Gould, 1845) Noodii, Ash-grey mouse	ď		SD	Ь						Д		
Pseudomys apodemoides Finlayson, 1932 Nalpo, Silky mouse	•			•								
Pseudomys auritus Thomas. 1910 Long-eared mouse												
Pseudomys australis Gray, 1832 Palyoora, Plains rat	EX		SD	E					EX	EX	EX	D
Pseudomys bolami Troughton, 1932 Poonta, Troughton's mouse		EX		Ь							О	
Pseudomys calabyi Kitchener & Humphreys, 1987 Pinti, Kakadu pebble-mound mouse	Ь					Ь	Ь					
Pseudomys chapmani Kitchener, 1980 Ngadji, Western pebble-mound mouse			EX	EX								
Pseudomys delicatulus (Gould, 1842) Molinipi, Delicate mouse	P P P			Ь	Ь	Ь	Р Р	Ь		Ь		
Pseudomys desertor Troughton, 1932 Wildjin, Desert mouse		Ь	EX D		Ь		Ь	EX P			EX	Ь
Pseudomys fieldi (Waite, 1896) Djoongari, Shark Bay mouse	EX			EX						EX		EX
Pseudomys fumeus Brazenor, 1934 Koonoom, Smokey mouse	Ь											
Pseudomys glaucus Thomas, 1910 Blue-grey mouse	EX								EX			
Pseudomys gouldii (Waterhouse, 1839) Koontin, Gould's mouse		EX							EX		EX	
Pseudomys gracilicaudatus (Gould, 1845) Karrooka, Eastern chestnut mouse	D D			Ь						Ь		
Pseudomys hermannsburgensis (Waite, 1896) Mingkiri, Sandy inland mouse	Р		Ь Р	Ь	EX P		Ь	Ь	Ь	D		Ь
Pseudomys higginsi (Trouessart, 1897) Looringa, Long-tailed mouse		Ь										
Pseudomys johnsoni Kitchener, 1985 Ilyema, Central pebble-mound mouse								Ь				
Pseudomys laborifex Kitchener & Humphreys, 1986 Tataroo, Kimberley mouse												
Pseudomys nanus (Gould, 1858) Moolpoo, Western chestnut mouse	P P EX		SD			Ь	Ь	Ь				
Pseudomys novaehollandiae (Waterhouse, 1845) Pookila, New Holland mouse	a a			10						-	À	
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Pseudomys patrius (Thomas and Dollman 1909) Eastern nebble-mound mouse	d d						Д			Д		
Pseudomys pilligaensis Fox & Briscoe, 1980 Poolkoo, Pilliga mouse	Q											
Pseudomys shortridgei (Thomas, 1907) Dayang, Heath rat	EX									Ь	EX	
Pseudomys sp. (undescribed pebble-mound mouse, Qld)												
Zyzomys argurus (Thomas, 1889) Djoorri, Common rock-rat	P P P	Ь	P P			Ь	Р Р	Ь		Ь		
Zyzomys maini Kitchener, 1989 Kodjperr, Arnhem Land rock-rat							Ь					
Zyzomys palatalis Kitchener, 1989 Aywalirroomoo, Carpentarian rock-rat												
Zyzomys pedunculatus (Waite, 1896) Antina, Central rock-rat		EX	EX					EX			_	EX
Zyzomys woodwardi (Thomas, 1909) Djookooropa, Kimberley rock-rat	4	4	E	-	5	F		£	ŕ		Ę	
Hydromys chrysogaster Geofffoy, 1804 Kakall, Water rat	P P EX P P	ч ч	SD F	٦, ۵	4	٦,	7 c	٦,	٦,	P SD	SD	
Aetomys myotaes 110titas, 1869—11ft00, Faise water fat Melomys burtoni (Ramsav 1887)—1 oolong Grassland melomys	р р	d		ч д	Д	Д	ч д					
Melomys capensis Tate, 1951 Kala, Cape York melomys	•	•			Д	•						
Melomys cervinipes (Gould, 1852) Korril, Fawn-footed melomys	D D			Ь	Ь							
Uromys caudimaculatus (Krefft, 1867) Mati, Giant white-tailed rat					Ь							
												1

Appendix 1. (continued)

Terrestrial mammal species	AA ARC	ARP A	AW BBN	N BBS	BEL	BHC	BRT CA	A CAR	CHC	S	IBRA r	region COO (	CP CR	CYP	DAB	DAC	DEU	DL I	DMR I	DRP I	EIU E	ESP E	EYB FIN	-
Uromys hadrourns (Winter, 1984) Kookoo, Masked white-tailed rat Pognomys molipilosus Peters & Doria, 1881 Djidiparra, Prehensile-tailed rat Ratus colletti (Thomas, 1904) Marawata, Dusky rat Ratus leucopus (Gray, 1867) Rarrayn, Cape York rat Ratus leucopus (Gray, 1867) Rarrayn, Cape York rat Ratus unreolus (Gray, 1841) Koota, Swampr rat Ratus sordidus (Gray, 1884) Koota, Swampr rat Ratus sordidus (Gray, 1884) Minkala, Canefield rat Ratus surmeyi (Thomas, 1904) Djini, Pale field-rat Ratus systiamus (Waite, 1898) Mayaroo, Long-haired rat Ratus sp. (central Qid)	g 0	g g	X	0 4 4 0	۵.	EX	D EX	P SD	<u>a</u>	4 4	4 444	EX	EX	4 4	<u>a</u> <u>a</u>	a a	a 0	EX	EX P	EX	444	EX E	D D EX EX D	l × •
No. of indigenous species No. of 'p' No. of 'B' No. of 'SD' No. of 'SD' No. of 'EX' No. of 'EX'	39 55 35 51 3 3 3 0 1 1 0 4 4 4	55 1 2 1 4	53 80 26 65 2 8 2 5 5 5 20 2 27 15	0 89 5 58 3 16 5 4 111 5 31	31 29 1 0 0 2	39 15 5 3 16 24	28 46 5 2 2 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	50 61 46 33 2 0 2 1 1 11 1 17 4 28	51 31 6 4 4 10 20	39 34 4 0 1 5	70 67 0 1 1	49 28 1 20 21	38 41 17 21 10 3 2 1 9 16 21 20	79 71 7 1 0	51 49 1 0 1 2	58 56 1 0 0	45 39 4 0 2 6	63 45 2 1 1 15 18	36 24 3 0 9	60 23 16 3 18 37	73 66 0 7	5 20 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	58 51 13 27 10 4 8 0 27 20 45 24	4 0 - 4
* Mus domesticus Hinton, 1916 House mouse * Ratus exulans (Peale, 1848) Polynesian rat * Ratus norvegicus (Berkenhout, 1769) Brown rat * Ratus ratus (Limeus, 1758) Babet rat, Shint and * Ratus ratus (Limeus, 1758) Babet rat, Shint and * Enumentative Newton 1005 Fixe erical value contined	d d			а а	ы ы	۵	d	Д Д	Д		д д	٩	д Д	4 4	<u>a</u> <u>a</u>	<u>a</u> <u>a</u>	<u>a</u> <u>a</u>	<u>a</u> <u>a</u>	۵	<u>a</u> <u>a</u>	д д	d d	а а а	
* Cantalonaria periodican recognists, 755 Tre-surparpairies  * Cantalonaria periodical misses, 1758 Red fox  * Pelice canta Linnaeus, 1758 Cat  * Redicator Linnaeus, 1758 Cat  * Redicator Linnaeus, 1758 Cat	4 d	<u>a</u> <u>a</u>	SD I	4 4	Д	ОЧ	4 4 4	P SD P P P P	о Б В	ь Р	д д д	4 4	D P P P P P	д д	а а	д д	4 4	д д	д д д	D ч	4 4 4	SD P	р н Р н	444
* Musterla putonius Juro Linnaeus, 1788 Ferrer, Fotecat,  * Oryctolagus cancentulus (Linnaeus, 1788) European rabbit  * Lepus capeusis Linnaeus, 1788 Brown hare  * Equus cabellus Linnaeus, 1788 Brown hore  * Equus asinus Linnaeus, 1788 Donkey  * Sus seroja Linnaeus, 1788 Pig  * Camelus dromedarius Linnaeus, 1788 Pig  * Gamelus dromedarius Linnaeus, 1788 Marer buffalo  * Bos invavieus (1788 Pig  * Bos invavieus pig Ala Marer buffalo  * Ros invavieus (1788 Pig  * Ros invavieus		444	a a		d d	<u>a</u> <u>a</u>	4 4 4	4 4 4	4 444	Б Ф	д д	а а	4 4 4	д д	444	д д д	4 4 4	а а	а а а	4 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	۵.		4 44 4
* Box faurus Lineaus, 1758 European cartle * Capra hircus Linnaeus, 1758 Goat * On's ariez Linnaeus, 1758 Sheep * Dama dama (Linnaeus, 1758 Red der * Cervus elaphus Linnaeus, 1758 Red deer * Cervus innovensis de Blainville, 1822 Rusa deer * Cervus unicolor Kert, 1792 Sambar * Axis axis (Encloben, 1777) Chital * Axis axis (Encloben, 1777) Chital		а <u>а</u>	444		d d d	a a a	<u>a</u>		4 4	۵.	<u>а</u> <u>а</u>	Q Q Q	d d d	۵, ۵,	<u>a</u>	۵.	<u>a</u> <u>a</u>	۵.	۵	4 4	d d d	<u>a</u> a	4 4	۵.
No. of exotic species	13 11	∞	9 1	12 14	6	8	6	8 10	12	5	10	6	11 7	6	6	6	12	7	∞	11	12	7	6 6	. 1

(continued next page)

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refrestrat mannia species	ETR ETT GAS GAW GD GEIT GS GSD GITC GID GVD HAM TE KAN KNI SD MAC MAI MDDMGDMII MI MIR NANNOP NET	ET NK NNC
Tachyglossus aculeatus (Shaw, 1792) Echidna		d
Ornithorhynchus anatinus (Shaw, 1799) Platypus	OS d	
Dasycercus cristicauda (Krefft, 1867) Mulgara	D P EX	
Dasycercus blythi (Waite, 1904) Ampurta	EX	
Dasykanna rosamonaae (Kiae, 1964) – Little rea Kaima, Little rea antecninus		
Dasyaromes of free Species 1990 Action Dasyaring geofficial Gould. 1841 Chuditch	<u> </u>	
Dasyurus maculatus (Kerr, 1792) Spotted-tailed quoll	Р	D P
Dasyurus viverrinus (Shaw, 1800) Eastern quoll	EX P EX	
Dasyurus hallucatus Gould, 1842 Northern quoll	D D EX	Ь
Parantechinus apicalis (Gray, 1842) Dibbler	EX EX	
Pseudantechinus bilarni (Johnson, 1954) Sandstone antechinus	a.	
Pseudantechinus macdonnellensis (Spencer, 1895) Fat-tailed antechinus	d d	
Pseudantechinus mimulus (Thomas, 1906) Carpentarian antechinus	P EX P	
		Ь
Pseudantechinus roryi Cooper, Aplin & Adams, 2000 Tan antechinus	р Р	
	d	
Antechinus adustus (Thomas 1923) Rusty antechinus		
Antechinus agilis Dickman, Pamaby, Crowther & King, 1998 Agile antechinus	D	
Antechinus bellus (Thomas, 1904) Fawn antechinus		
Antechinus flavipes (Waterhouse, 1838) Mardo, Yellow-footed antechinus		D
Antecninus goamani (Thomas, 1923) Ametron antecninus		
Antecninus 1eo van Dyck, 1980 Cinnamon antecninus	ſ	
Antechnus minimus (Geottroy, 1803) Swamp antechnus	a	
Antechnus stuartu Macleay, 1841 Brown antechinus		4 4
Antecninus subtropicus van Dyck & Crowtner 2000 Subtropical antecninus		
Antecnnus swamsonn (waternouse, 1840) Dusky antecnnus		
Phascogale caulta Gould, 1844 - Red-talled phascogale	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
Hustogate sp. (southwest w.A.) wantonger Dhannond standards (Manar 1902) Druck tailed abandonals	PV	9
r nuscogate iupoutiju (meyet, 1923) – Brusii-tarieu priascogare Dhasoagala nivata (Thomas 1904) – Northern nhasoagala	עני עני	Q
Financogare prima (Tromas, 1704) - 1404 membraseogare  Diamicala cilari Aithan 1073 - Danoidant moninala Gilari moninala	ב ב	-
Hangate gitest Attiven, 1972 - Fauction plantigate, Office plantgate  Plantagle ingramm (Thomas 1906) - Long-failed plantagle		
I tangate tigram (Thomas, 1900) Long-taned plantgate Dianianlo of inavami (Chonnal Country SA Old 9 NGW)	4	
Dimiguic v.: ngrumi (Challic) County 3A, Qlu, : 143 W)		2
Figure macutan (Court, 1021) Common plantigate  Dianicale transfer Transfer 1020 Norman mand alaminals	4	
Findigate tentifositis Troughton, 1728 - Ivanow-nosed plantgate  Dianicals (massis, 12 Orthogo MA)		
riunguie species I (riioaia WA) Dianiaala 'Mt Tom Drica' (Dilhora WA)	24	
Ningani vidai Archar 1075 - Wongai ningani		
Ningati timoalori Archor 1075 Dilhora ningati		
Ningaan unicareyt Archener Stoddart & Henry 1983 - Southern ningani		
	p FY p FY	
Sminthoneis airlean Kitchener Stoddarf & Henry 1984 Sooty dunnart	S S S S S S S S S S S S S S S S S S S	
	3	
Sminthonsis bindi Van Dyck Woinarski & Press 1994 Kakadıı dunnart	Α	
Smithing pair of the state of t		Q
Sminthoneis oracsional and 1844) Fat-tailed dumart		4
Smithingsis crassicanada (Ocala, 1944) Tar-anoa aminan Kasingkancic dollohung Vitobanar Stoddorf & Hanry 1984 — Little lang failed dunnart		
Smindbassic douglast Arabar 1070 Inlia Creek dument		
Smininopsis anglast Archet, 1979 Julia Creek dunnan	4	
Sminthoneic enganifines Translaton 1022 White toiled dument	1	
Sminthonsis granunges ittorganon, 1732 - Williem and Sminthonsis oriseoventer Kitchener Stoddart & Henry 1984 - Grey-bellied dunnart		
Sminthonesis hirtings Thomas 1808 Hairy-footed dunnart	d	
Sminhopsis lengents (Geav. 1820) White-footed dunnart		
Sminhopsis reaceptus (Gray, 1972) with Smine Source duminar		
Sminthopsis macroura (Gould, 1845) Stripe-faced dunnart	dd OS dd ddd dd dd Od	Ь
Sminthopsis murina (Waterhouse, 1838) Common dunnart	a O OS	
Sminthopsis ooldea Troughton, 1965 Ooldea dunnart	P P P	
Sminthopsis psammophila Spencer, 1895 Sandhill dunnart	SD EX P EX	

Appendix 1. (continued)

Appendix 1. (continued)

Terrestrial mammal species							IBRA	IBRA region								
	FLB FLI GA	GAS GAW GD GFU		GS GSD	<b>3UC GUP</b>	GSD GUC GUP GVD HAM	H	KIN LSI	KAN KIN LSD MAC MAL MDD MGD MII	LMDDM		ML MU	ML MUR NAN NCP NET NK	P NET	- 1	NNC
Lagor chestes conspicillatus Gould, 1842 Spectacled hare-wallaby		Ш	Ы		D D			EX	EX							
Lagorchestes hirsutus Gould, 1844 Rufous hare-wallaby		Щ	EX	EX		EX		EX	EX EX							
Lagorchestes leporides (Gould, 1841) Eastern hare-wallaby	EX						EX						EX EX	~		
Macropus agilis (Gould, 1842) Agile wallaby			Ь		Р Р						P P				Ь	
Macropus antilopinus (Gould, 1842) Antilopine wallaroo			Ь												Ь	
Macropus bernardus Rothschild, 1904 Black wallaroo													į			
Macropus dorsalis (Gray, 1857) Black-striped wallaby	2			E					Ĺ			a	SD	a		ם
Macrophys eugenn (Desinates), 1617) Taininat waitaby	ל נ	-		ה			ם נ ם נ		אַן ר				-			
Macropus fullginosus (Desmarest, 1817) — western grey Kangaroo Macropus airamiane Shaw 1700 — Eastern grey Fangaroo	۳ د	ъ.		<u>.</u>	Д		<u> </u>		-	٦ ۵	Q Q	7 D	ם	۵		Д
Macronic grant Metarbones 1945 Toolooks wallake	۵				4							4				4
Macrophassical mouse, 100 to 1				-			ŕ		ŕ				i i	,		
Macrophis Irma (Journan, 1957) western brush warraby				П			۲,		-					٥		_
Macropus parma waternouse, 1043 Farma wanaby													۵	ם		ם מ
Macropus parryl Bemett, 1855 Whiptan Wanaby													ם ו	ם ו		ъ.
Macropus robustus Gould, 1841 Euro	Р	Ь	Ь	ЬР	ЬР	Ь	ЬР	Ь	Р Р	Ь	ЬР	ЬР	Ь		Ь	Ь
Macropus rufogriseus (Desmarest, 1817) Red-necked wallaby, Bennett's wallaby	Ь							Ь				О	P D			Ь
Macropus rufus (Desmarest, 1822) Red kangaroo, Marloo	P P	Ь	ЬР	ЬР	Ь	P P	SD	Ь	Ь		Ь Р	P P				
Omchogalea fraenata (Gould, 1841) Bridled nailtail wallaby										EX		EX	EX EX	~		
Omerbocalea hunda (Gorld 1841) Diawaha Grecent naitail wallahu	FX	ш	FX	ΕX		FX FX		FX	FX			FX				
Omedocada unanifara (Gould 1841) Wootoo-wootoo Northern nailali wallake		4	0	í a	О			ŝ			Д	ŝ			О	
Onferiogated angained (Court, 1971) — WOOLOG-WOOLOG, 1901 mantan wangoy Dataonala assimilis Damsov, 1877 — Alliad rock wallaku			1	-											-	
retrogute assimitis naturally Alticulock-waitably			ŕ		ŕ										ŕ	
Perogate brachous (Gouid, 1841) Bagi, Short-eared fock-wallaby			4		٦,										<b>ب</b> د	
Petrogale burbidgei Kitchener & Sanson, 19/8 Monjon															Ъ	
Petrogale coenensis Eldridge & Close, 1992 Cape York rock-wallaby																
Petrogale concinna Gould, 1842 Nabarlek															Ь	
Petrosale godmani Thomas 1923 Godman's rock-wallaby																
Datasada bartum manana 1002 Barbarda manaya																
r en ogate net pertit tilolitas, 1722 - Helbelt s look-wallady																
Petrogale inornata Gould, 1842 Unadorned rock-wallaby																
Petrogale lateralis Gould, 1842 Warru, Black-footed rock-wallaby	EX		EX	EX SD		EX EX	~	SD	- P EX							
Petrogale mareeba Eldridge & Close 1992 Mareeba rock-wallaby																
Petrosale nenicillata (Grav. 1842). Brush-tailed rock-wallahy													CIS	Д		Д
Patronala narcanhona Maynes 1982 Promemine rock-wallahy													1	•		
Detection of the state of the s					0						2					
renogate purpurencours de souet, 1924 - ruipie-neckeu rock-wanauy	-				4						4					
Fervogate rothscrittat I nomas, 1904 - Komschild S rock-wallaby	4															
Petrogale sharmani Eldridge & Close, 1992 Mount Claro rock-wallaby																
Petrogale xanthopus Gray, 1855 Yellow-footed rock-wallaby	SD	SD										Ω				
Setonix brachyurus (Quoy & Gaimard, 1830) Quokka							Ь									
Thylogale billardieri (Desmarest, 1822) Tasmanian pademelon	Ы							Ь					EX	~		
Thylogale stiematica (Gould, 1860). Red-legged nademelon																Ь
Thylocole theris (Lescon 1827) Red-necked nademelon														Д		Д
HIGH CONTROL OF CONTRO	6									-		-				
Validold olcolor (Desinates), 1804) Swamp wanaby	<u> </u>					î	,		į	۰,		۲,	r D			ı,
Lagostrophus Jasciatus (Peron & Lesueur, 1807) Banded hare-wallaby						EX	_		EX				ъ	_		
Notoryctes caurinus Thomas, 1920 Kakarratul, Northern marsupial mole			Ь	Ь				Ь								
Notoryctes typhlops (Stirling, 1889) Idjaridjari, Southern marsupial mole		EX	Ь	О		Ь		Ь								
Pieropus poliocephalus Temminck. 1885. Grev-headed flying-fox													Q	Ь		Ь
Pteronus scannlans Deters 1862 Little red flying-fox	d		Д	Д					Д		р	Д	Д	Д		Д
Trooping Supplemental Feet 5 1007	- 6		٠, ٢	1					1			1	1	1		
Freeopus atecto 1 emminck, 1857 Black flying-10x	4		4													٦,
Pteropus banakrisi Kıchards & Hall, 2001 Torresian flying-tox																
Pteropus brunneus Dobson, 1878 Percy Island flying-fox																
Pteropus conspicillatus Gould, 1850 Spectacled flying-fox																
Pteropus macrotis Peters, 1867 Large-eared flying-fox																
Dobsonia moluccensis (Onov & Gaimard 1830) Bare-backed fruit hat																
Wyctimene robinson; Thomas 1904 Eastern tube-nosed hat																Д
Nicotions confederate Dallac 1767 Terrarian tuba money but																
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Syconyciens and trans (Feters, 1007) Eastern blosson bar																4
Macroglossus minimus (Geottroy, 1810) Northern blossom-bat															4	
Macroderma gigas (Dobson, 1880) Ghost bat	EX SD		EX P	EX	Ь	EX		EX	EX		Ь	EX				
Rhinolophus megaphyllus Gray, 1834 Eastern horseshoe-bat													Ь	Ь		Ь
Rhinolophus affin. philippinensis Waterhouse, 1843 (small form) Lesser large-eared horseshoe bat	at															
Rhinolophus affin philippinensis Waterhouse 1843 (Jaroe form). Greater Jaroe-eared horseshoe-bat	hat															
Milliotophias arm. principalism i avenues, co. (w.g. co)	oat															

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Terrectrial mammal energies							IRP A ro	noin									
	EI B EI I	ELB ELL GAS GAW GD GELL		S CSD SS	GSD GITC GITB GVD HAM	WD HAM	IE KAN VINISD MAC MAI MDD MGD MII	IN I SD	MACM	ddw Iv	MGDM		MI MIIP NAN NCP NET	NINCE	NET	NK NI	NINC
Conitums penicillatus (Gould 1842) Pakooma Brush-tailed rabbit-rat	ITD IT	200		9 9 9	S	INDIT O A		TOT NI	M OCIM	DOIN TO	MI CO INI		AL VIOLA	TO NE THE	INE		إدِ
Leasadina forvesti (Thomas 1906) Anoola Forrest's mouse	0	EX D	ΕX						Д			О.					
Legeading lakedownensis Watts. 1976 Kerakenga. Lakeland Downs mouse	1	1	Ь	. Д	ЬР											Д	
Leporiflus apicalis (Gould, 1853) Dioovalpi, Lesser stick-nest rat	EX		EX					EX	EX				EX				
Lepovillus conditor (Sturt, 1848) Wopilkara, Greater stick-nest rat	EX	EX		EX		EX EX				EX EX			EX	EX			
Mastacomys fuscus Thomas, 1882 Tooarrana, Broad-toothed rat	Ь							Ь						EX		S	SD
Mesembriomys gouldii (Gray, 1843) Djintamoonga, Black-footed tree-rat			SD	П	EX												
Mesembrionnys macrurus (Peters, 1876) Koorrawal, Golden-backed tree-rat			EX													Ь	
Notomys alexis Thomas, 1922 Tarrkawarra, Spinifex hopping-mouse		ЬР	Ь	ЬР		Ь		Ь	Ь		Ь	Ь	Ь				
Notomys amplus Brazenor, 1936 Yoontoo, Short-tailed hopping-mouse	EX		X	EX		EX		EX					EX				
Notomys aquilo Thomas, 1921 Woorrentinta, Northern hopping-mouse																	
Notomys cervinus (Gould, 1853) Ooarri, Fawn hopping-mouse	ΕX	į				i											
Notomys fuscus (Jones, 1925) Wilkint, Dusky hopping-mouse	EX	EX	;			EX		i					i	i			
Notomys longicaudatus (Gould, 1844) Koolawa, Long-tailed hopping-mouse	EX		EX	EX EX		EX		EX					EX	EX			
Notomys macrotis I homas, 1921 Noompa, Large-eared hopping-mouse	ì	í												8			
Notomys mitchellii (Ogilby, 1838) Pankot, Mitchell's hopping-mouse	EX	D				Ь				P SD				SD			
Notomys mordax Thomas, 1922 Payı, Darling Downs hopping-mouse	i																
Notomys robustus Mahoney, Smith & Medlin, 2008 Broad-cheeked hopping-mouse	EX																
Pseudomys albocinereus (Gould, 1845) Noodji, Ash-grey mouse				Ь			Ь			Ь							
Pseudomys apodemoides Finlayson, 1932 Nalpo, Silky mouse										Ь				D			
Pseudomys auritus Thomas, 1910 Long-eared mouse																	
Pseudomys australis Gray, 1832 Palyoora, Plains rat	EX	EX				EX	EX		ш	EX			EX	X EX			
Pseudomys bolami Troughton, 1932 Poonta, Troughton's mouse	SD	О				P EX				SD			Ь				
Pseudomys calabyi Kitchener & Humphreys, 1987 Pinti, Kakadu pebble-mound mouse																	
Pseudomys chapmani Kitchener, 1980 Ngadji, Western pebble-mound mouse		D						Ь					EX				
Pseudomys delicatulus (Gould, 1842) Molinipi, Delicate mouse		Ь	Ь	Ь	Ь Р							ЬР				Ь	
Pseudomys desertor Troughton, 1932 Wildim, Desert mouse	SD		Ь	EX P		Ь		Ь	Ь	EX	Ь	Ь	О				
Pseudomys fieldi (Waite, 1896) Dioongari, Shark Bay mouse	EX	EX EX	EX	EX EX		EX EX			EX				EX				
Pseudomys fumeus Brazenor. 1934 Koonoom. Smokey mouse														EX			
Pseudomys glaucus Thomas 1910 Blue-grey mouse																	
Pseudomys gouldii (Waterhouse 1839) Koontin Gould's mouse	FX	FX								EX			FX	>			
1 seutomys gottutu (Waternouse, 1927) NOOHilli, Gottus Sillouse  Decideman entrailisent datus (Could 1948) Vermonte Entram abortant mesus	EA	ry T								C.	4		4	٠	2	-	-
r seudomys gracuicaudanus (Gould, 1042) Nali Gora, Eastein Chestinu mouse						-		-	Ė		ם ב		-		٦	-	
Fseudomys nermannspurgensis (watte, 1890) Mingkin, Sandy Imand mouse		ч	<u>ب</u>	7 7		<u>.</u>		٠,	۲,			r D	۲,				
Pseudomys nigginsi (Trouessart, 1897) Looringa, Long-tailed mouse			,					7									
Pseudomys johnsoni Kitchener, 1985 Ilyema, Central pebble-mound mouse			Ь														
Pseudomys laborifex Kitchener & Humphreys, 1986 Tataroo, Kimberley mouse																Ь	
Pseudomys nanus (Gould, 1858) Moolpoo, Western chestnut mouse		EX	Ь	EX P	D			EX			Ь	Ь	EX			Ь	
Pseudomys novaehollandiae (Waterhouse, 1843) Pookila, New Holland mouse	SD													EX	Ь	_	Ь
Pseudomys occidentalis Tate, 1951 Walyadji, Western mouse				EX		EX	EX			Ь							
Pseudomys oralis Thomas 1921 Koontoo Hastings River mouse																_	
Pseudomys patrius (Thomas and Dollman 1909) Eastern nebble-mound mouse															1	'	
Pseudomys pairins (111011103 and 2011111011), 1707) Lusten poorte incurs.  Pseudomys nilliaansis Fox & Briscoe 1980 Poolkon Pillia mouse																	
Pseudomys shortridgei (Thomas 1907). Davang Heath rat				FX			S										
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Assume aroung (Thomas 1889) Dioori Common note-rat		О	Q		О			О			۵	. 0				О	
Zyzonnys argini Vitchman 1000 V odinom Amban I and material		4	4					4				<u>.</u>				4	
Zyzomys maint Kuchenet, 1969 Kodjpert, Armiem Land fock-rat					-												
Zyzomys paiataits Kitchenet, 1989 Aywaiitroomoo, Carpentarian rock-rat		į	4	į	<u>_</u>			ì	ı				ì				
Zyzomys pedunculatus (waite, 1896) Antina, Central rock-rat		EX		EA				EX	П				ΕY			,	
Zyzomys woodwardt (1 homas, 1909) Djookooropa, Kimberley rock-rat							Ę	,		,	ı	,	,		ı	ч,	,
Hydromys chrysogaster Geoffroy, 1804 Kakalı, Water rat	D P				Ь		P SD	Ч		Ъ	4	Ъ	Ч	<u> </u>	Ч		ı.
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Meloning capening race, 1751 Rotal Fawn-footed meloning															Д	_	Д
Uromys caudimaculatus (Krefft, 1867) Mati, Giant white-tailed rat																	
Uromys hadrourus (Winter, 1984) Kookoo, Masked white-tailed rat																	
Pogonomys mollipilosus Peters & Doria, 1881 Djidjiparra, Prehensile-tailed rat																	
Rattus colletti (Thomas, 1904) Marrawata, Dusky rat					Ь												
Rattus fuscipes (Waterhouse, 1839) Mootit, Southern bush rat	D P			Ь		EX	P D			Ь			D	O O	Ь	_	Ь
Rattus leucopus (Gray, 1867) Rarrayn, Cape York rat																	

Appendix 1. (continued)

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Terrestrial mammal species												_	BRA region	n												
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Rattus lutreolus (Gray, 1841) Koota, Swamp rat	SD	P										SD	d o										D	Ь		Ь
Rattus sordidus (Gould, 1858) Minkala, Canefield rat								Ь																		
Rattus tunneni (Thomas 1904) Diini Pale field-rat		ΗX		ΕX		CS								ΕX	НX						ΕX		НX		Д	
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Katitis Villosissimus (walle, 1076) Mayaloo, Long-halfed fal	SD		EA		4		٦		<u>ب</u>								SD	۲,	۲,							
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* Mus domesticus Hinton. 1916 House mouse	d	ЬР	Ь	Ь	Ь	Ь	Ь		Ь	ЬР	Ь	Ь	Ь	Ь	Д	Д	Ь	Д	Ь	Ь	Ь	Д	Д	Д		Ь
* Rattue evulane (Peale 1848) Polynesian rat																									Д	
Antimo Contrato (1 Caro) 1 Office and 1 Caro													6		,											,
* Kattus norvegicus (Berkenhout, 1769) Brown rat	<u>-</u>	Ъ											Ъ		Ъ											Ъ
* Rattus rattus (Linnaeus, 1758) Black rat, Ship rat		Ь	Ь		Ь	Ь			Ь		Ь	Ь	Ь		Ь	Ь	Ь	Ь	Ь	Ь		Ь	Ь	Ь		Ь
* Funambulus pennantii Wroughton, 1905 Five-striped palm squirrel																										
* Canis huns dinon (Mever 1793) Dinon				Д	Д	CS	Ь	Ь	Ь			_		Д	Д			Д	Д	Д		Д	CIS	Ь	Ь	Ь
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* Felis catus Linnaeus, 1758 Cat			Ь	Ь	Ь	Ь	Ь	Ь	Ь				Ь	Ь	Д	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Д	Ь
* Mustela putorius furo Linnaeus, 1758 Ferret, Polecat,											Ь															
* Oryctolagus cuniculus (Linnaeus, 1758) European rabbit	Р	P P	Ь	Ь		Ь	Ь		_	P P		Ь	Ь	Ь	Ь	Ь	Ь	Ь		Ь	Ь	Ь	Ь	Ь		Ь
* Lepus capensis Linnaeus, 1758 Brown hare	Ь											Ь						Ь				Ь	Ь	Ь		Ь
* Earus caballus Linnaeus. 1758 Brumby. Horse		Ь	Ь		Ь	Ь	Ь	Ь	Ь		Ь			Ь	Ь			Ь	Ь	Ь	Ь	Д		Д	Д	Ь
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Sus scroyd Linnaeus, 1738 Fig					4	7			٠ پ			4		٦,			7	٦,	٦, ۱	7		7		<u>_</u>	<u>_</u>	7
* Camelus dromedarius Linnaeus, 1758 Dromedary, Camel		Ъ		Ь			Ь		_	Ь				Ь	Ь				Ь		Ь					
* Bubalis bubalis (Linnaeus, 1758) Water buffalo					Ь			Ь																		
* Bos javanicus D' Alton, 1823 Bali banteng																										
* Bos taurus Linnaeus, 1758 European cattle	I	Р Р			Ь	Ь	Ь	Ъ	Ь	Ь			Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь		Ь	Ь	Ь
* Capra hircus Linnaeus, 1758 Goat	Ь	Ь	Ь			Ь		Ь			Ь	Ь	Ь		Ь		Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь		Ь
* Ovis arries Linnaeus, 1758 Sheep	Ь	P P	Ь			Ь			_	Р Р			Ь			Ь	Ь	Ь		Ь	Ь	Ь		Ь		Ь
* Dama dama (Linnaeus, 1758) Fallow deer	Ь											Ь										Ь	Ь	Ь		Ь
* Cervus elaphus Linnaeus, 1758 Red deer																						Ь	Ь			Ь
* Cervus timovensis de Blainville 1822 Rusa deer																						Д				. д
* Corus unicolor Kerr 1792 Sambar																						-				•
* 4 vis avis (Erxlehen 1777) Chital																										
11. (10) (11. (10. (11. (11. (11. (11. (11. (11.		-																								
* Axis porcinus (Limmermann, 1780) Hog deer		<u>.</u>																								
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Tuchyglossus acareans (Shaw, 1792) Edmana Ornithorhynchus anatinus (Shaw, 1799) Platypus		ч Д
Dasveercus cristicanda (Krefft, 1867) Mulgara	EX D	
Dasycercus blythi (Waite, 1904) Ampurta	<u> </u>	
Dasykaluta rosamondae (Ride, 1964) Little red kaluta, Little red antechinus	4	
Dasyuroides byrnei Spencer, 1896 Kowari	SD S	
	EX EX EX EX EX B EX P	
	SD SD	О
Dasyurus viverrinus (Shaw, 1800) Eastern quoll	EXEXEXEX	£
Dasyurus hallucatus Gould, 1842 Northern quoli	D P P SD EX	Д.
Paramechinus apicalis (Gray, 1842) Dibbler	SD	
Pseudantechinus bilarni (Johnson, 1934) Sandstone antechinus	ſ	
Fseudantechnus macdonnellensis (Spencer, 1895) Fat-tailed antechnus	4 0 4	
Pseudantechinus mimulus (Thomas, 1996) Carpentarian antechinus		
	224	,
Pseudantechinus woolleyae Kitchener & Caputi, 1988 Woolley's antechinus	2.	Ь
Pseudantechinus roryi Cooper, Aplin & Adams, 2000 I an antechinus		
Sarcophilus harrisii (Bottard, 1841) Tasmanian devil	a a a a a	
Antechinus adustus (Thomas 1923) Rusty antechinus		Ь
Antechinus agilis Dickman, Parnaby, Crowther & King, 1998 Agile antechinus	РРР	
Antechnus bellus (Thomas, 1904) Fawn antechnus		
Antechinus flavipes (Waterhouse, 1838) Mardo, Yellow-Tooted antechinus		
Antechnus godmani (Thomas, 1923) Atherton antechnus	2.	Ч
Antechinus leo Van Dyck, 1980 Cinnamon antechinus		
Antechinus minimus (Geoffroy, 1803) Swamp antechinus	D	
	م م	
Antechinus subtropicus Van Dyck & Crowther, 2000 Subtropical antechinus	Q.	
Antechinus swainsonii (Waterhouse, 1840) Dusky antechinus		
Phascogale calura Gould, 1844 Red-tailed phascogale	EX	
Phascogale sp. (southwest WA) Wambenger	EX	Д
Phascogale tapoatafa (Meyer, 1893) Brush-tailed phascogale	SD SD D SD D P	
Phascogale pirata (Thomas, 1904) Northern phascogale	D EX P	Ь
Planigale gilesi Aitken, 1972 Paucident planigale, Giles' planigale	D D P D	
Planigale ingrami (Thomas, 1906) Long-tailed planigale	д д	
Planigale cf. ingrami (Channel Country SA, Old, ? NSW)		
Planigale maculata (Gould. 1851) Common planigale	a d dS a d	Ь
Planigale tenuirostris Tronohton 1928 Narrow-nosed planigale		
Planianle 'smeries 1' (Pilhara WA)	1 0	
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Misseria de Arches 1075 Moneral anno	4 4 4	
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Smith nopsis butter Archer, 1979 — Carpentarian dunnari		£
Sminthopsis crassicaudata (Gould, 1844) Fat-tailed dunnart		Ь
Sminthopsis dolichura Kitchener, Stoddart & Henry, 1984 Little long-tailed dunnart		Ь
Sminthopsis douglasi Archer, 1979 Julia Creek dunnart		
Sminthopsis granulipes Troughton, 1932 White-tailed dunnart	d	
Sminthopsis griseoventer Kitchener, Stoddart & Henry, 1984 Grey-bellied dunnart		Ь
Sminthopsis hirtipes Thomas, 1898 Hairy-footed dunnart	d	,
Sminthopsis leucopus (Gray, 1842) White-footed dunnart	d QS d d d Q d Q Q T	Ь
Sminthopsis macroura (Gould, 1845) Stripe-faced dumart	4 4 4 6 GS 4 6 GS 4 4 6 GS 4 4 6 GS 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Ė
Smithopsis murini (Watelinouse, 1656) Common Communication Common Transfer Transfer 1965 Orldes dument		<b>L</b>
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Appendix 1. (continued)

Terrestrial mammal species	IBRA region NSS NITL OVER DAY BIT RELY OF SEPTING SEPTING SEPTING SEPTING THE TAN THE THE THE THE TWE VENT VAN WAR	AP WT VAI
Lagorohestes conspicillatus Gould 1842 Speciacled hare-wallaby	TO DESCRIPTION OF A CONTROLL O	:
Lagorehortes hirenta Gould 1844 Rufous hare-wallaky	Y H	
Lagorchartae Jananidae (Ganld 1841) Eastern hara wallaku	LA LA	
Lagorenestes reportaes (Oould, 1841) — Lastein nate-wanaey Macronis acilis (Gould 1842) — A cile wallahy		Д
Macropus antilopinus (Gould. 1842) Antilopine wallaroo		•
Macropus bernardus Rothschild, 1904 Black wallaroo		
Macropus dorsalis (Gray, 1837) Black-striped wallaby	d.	
Macropus eugenii (Desmarest, 1817) Tammar wallaby	SD	EX
Macropus fuliginosus (Desmarest, 1817) Western grey kangaroo	d d d	
Macropus giganteus Shaw, 1790 Eastern grey kangaroo Macropus eneni Watarbouse 1845 Toolache wallabu	P D D P P P EX SD EX D	۵
Macronic inno (Tourdon 1927) Western brush wellahy		Q
Macropus Irma (Jou dan, 1937) western blush wahaby Macropus parma Waterhouse 1845 Parma wallahy		4
Macronus parryi Bennett 1835 Whintail wallaby		Д
Macropus robustus Gould. 1841 Euro	d dddd	Ь
Macropus rufogriseus (Desmarest, 1817) Red-necked wallaby, Bennett's wallaby	dddddd d dddd Sd	
Macropus rufus (Desmarest, 1822) Red kangaroo, marloo		Д
Onychogalea fraenata (Gould, 1841) Bridled nailtail wallaby	П	
Onychogalea lunata (Gould, 1841) Djawalpa, Crescent nailtail wallaby	EX EX EX	EX
Onychogalea unguifera (Gould, 1841) Wootoo-wootoo, Northern nailtail wallaby	р Р Р	
Petrogale assimilis Ramsay, 1877 Allied rock-wallaby		
Petrogale brachyotis (Gould, 1841) Bagi, Short-eared rock-wallaby	P P P	
Petrogale burbidgei Kitchener & Sanson, 1978 Monjon		
Petrogale coenensis Eldridge & Close, 1992 Cape York rock-wallaby		
Petrogale concinna Gould, 1842 Nabarlek	D	
Petrogale godmani Thomas, 1923 Godman's rock-wallaby		
Petrogale herberti Thomas, 1923 Herbert's rock-wallaby	d.	
Petrogale inornata Gould, 1842 Unadorned rock-wallaby		
Petrogale lateralis Gould, 1842 Warru, Black-footed rock-wallaby	EX SD EX D	EX
Petrogale mareeba Eldridge & Close 1992 Mareeba rock-wallaby		
Petrogale penicillata (Gray, 1842) Brush-tailed rock-wallaby	SD D SD P EX	
Petrogale persephone Maynes, 1982 Prosperpine rock-wallaby		
Petrogale purpureicollis Le Souef, 1924 Purple-necked rock-wallaby		
Petrogale rothschildi Thomas, 1904 Rothschild's rock-wallaby	4	
Petrogale sharmani Eldridge & Close, 1992 Mount Claro rock-wallaby		
Petrogale xanthonus Gray 1855 - Yellow-footed rock-wallaby		
Setonix brachvurus (Onov & Gaimard 1830) Onokka	GS	d
Thylogale hillardieri (Desmarest 1822) Tasmanian nademelon	p p p p p	
Thylogale stigmatica (Gonld 1860) Red-legoed rademelon	۵.	Д
Thylogale thetis (I essen 1827) Red-necked nademelon		•
Wallahia hicolar (Desmarest 1804) Swamp wallahy		Ф
Lagostrophus fasciatus (Peron & Lesueur 1807) Banded hare-wallahy	XH	•
Notorycles cauring Thomas 1920 Kakarratul Northern marsunial mole		
Notorvetes typhlops (Stirling 1889) Idiaridiari Southern marsunial mole	d ds xH	
Plerony poliocephalys Temminck 1885 Gree-headed flying-fox	4 (1 4 4	
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neropus scupmans reters, 1002 Enture red ilynig-10A		L 6
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Pieropus banakrisi Richards & Hall, 2001 Torresian flying-fox		
Pteropus brunneus Dobson, 18/8 Percy Island Hymg-tox		£
Prevopus conspicularis Gould, 1850 Speciaclea Hyllig-10x		7
Fleropus macrons Felers, 186/ Large-eared Hymg-10x		
Debsonia monecensis (Quo) & Gainiaia, 1650) Bare-backeu ii uit bat Morimana vohinsoni Thomas 1004 Bastarn tuba-nocad hat	a	а
Abortinene controller 11011as, 1704 - Eastell tube-nosed bat		-
Sycomotoric augmentes Fanas, 1707 - Fortern Moceon hat	Q	а
Accompeters minimus (Texas), 1901) Leastern blossom bat	4	, Д
Macroderma gioss (Dokson 1880) Ghost hat		, д
Rhinolophus megaphyllus Grav. 1834 Eastern horseshoe-bat	d d d d	. d
Rhinolophus affin. philippinensis Waterhouse, 1843 (small form) Lesser large-eared horseshoe-bat		
Rhinolophus affin. philippinensis Waterhouse, 1843 (large form) Greater large-eared horseshoe-bat	rseshoe-bat	Ь

	hppositeros ater Tempteon, 1849 Dussy lear-nosed bat hppositeros cervinus (Gould, 1854) Fawn leaf-nosed bat			,							4	٤					13E 13N	I WE	9			٩
	pposition of prints (Count, 1927) 1 awnited 1930		7	٦,							4								4			7
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	ipposideros stenotis Thomas, 1913 Northern leaf-nosed bat			Ь															Ь			
	hinonicteris aurantius Gray, 1845 Orange leaf-nosed bat		Ь	Ь	Ь									Ь					Ь			
Separate of the control of the contr	phozous australis Gould, 1854 Coastal sheathtail bat																					Ь
	aphozous georgianus Thomas, 1915 Common sheathtail bat		Ь	Ь	Ь									Ь					Ь			
The substitution of the content of t	aphozous hilli Kitchener, 1980 Hill's sheathtail bat				Ь					ЬР			Ь									
For each of the content of the conte	phozous kapalgensis McKean & Friend, 1979 Arnhem sheathtail bat																					
	aphazous troughtoni Tate, 1952 Troughton's sheathtail bat	6	,	£	۵	4	-	4	£				£	-					£			Д
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The conceptual concept	Iccolaimus mixius 1 rougnion, 1925 - Fapuan sheatnitail bat																					۵
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re principal conceptat  Part of the property o	nicipierus senteloersti (num, 1817) — Common Cent-wing bat urina florium Thomas 1908 — Tuha-nosad insactivorous bat	4	4	4		4	L	4	4		4			4					4			4 0
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se pipistrelle  D  D  D  D  D  D  D  D  D  D  D  D  D	alinolobus gouldii (Grav. 1841) Gould's wattled bat	Д	ЬР	Ь	Ь	Д	Ь	Ь	Ь	Ь	Д	Ь	Ь	Ь	Д	Ь	Ь	Ь	Ь	ЬР	Ь	Д
e pipistrelle	alinolobus morio (Grav. 1841) Chocolate wattled bat	а.	' д		ь д	Д	Ь	_	Ь			Ь		. д	ь	Ь	ь	Ь		Ь	Д.	
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relle D	Isistrellus mackenziei Kitchener. Caputi & Jones. 1986 Western false pipistrelle											Ь									Ь	
relic	Isistrellus tasmaniensis Gould 1858 Eastern false ninistrelle	0				Ь	Ь	Ь	Ь					Ь	Ь	Ь	ш					
rettle	outs macronus Gould. 1855 Southern myotis	n C	Ь	Ь		ь	ь	. д	ь						•	,	•	•	Ь			Δ.
bat bat by part by par	nistrellus adamsi Kitchener Canuti & Iones 1986 Cane York ninistrelle	1	•	, Δ	1	•		•						, Δ					•			, д
bat  Date P P P P P P P P P P P P P P P P P P P	pistrellus meetrelis Koonman 1084 Northern ninistrella			-										- Δ					О			4
bat  Day  Day  Day  Day  Day  Day  Day  D	Astrenus westrans roopman, 1964—1961—1915 physicale					4	Ė		-					4					4			-
batt batt batt batt batt batt batt batt	oteanax rueppenn (reters, 1800) - Greater Droad-nosed Dat	£			-	٦, ۵	۲,	ŕ	٦,	,												7
bat bat by p p p p p p p p p p p p p p p p p p	ptorepens batsion (Thomas, 1906) Inland broad-nosed bat	Ь				Ч		Ь		Н												
bat bat P P P P P P P P P P P P P P P P P P P	otorepens greyii (Gray, 1843) Little broad-nosed bat		Ь	Ь	Ь				Ь	Ь			Ь	Ь					Ь			
bat Pat Pat Pat Pat Pat Pat Pat Pat Pat P	otorepens orion (Troughton, 1937) South-eastern broad-nosed bat					Ь	ЬР	Ь	Ь													
bat bat Path Path Path Path Path Path Path Pa	ntorepens sanborni (Troughton, 1937) Northern broad-nosed bat																		Ь			Ь
bat	otorepens sp. Central-eastern broad-nosed bat								Ь													
Cave-bat  D P P P Cave-bat  D P P P P P P P P P P P P P P P P P P	1987				_					Ь												
D P P P P P P P P P P P P P P P P P P P			Ь	Ь									Ь	Ь					Ь			
Cave-bat P P P P P P P P P P P P P P P P P P P	spadelus darlingtoni (Allen, 1933) Large forest bat	D				Ь	ЬР	Ь	Ь					Ь	Ь	Ь	P F	Ь				
cave-bat         P<	spadalus douglasorum (Kitchener, 1976) Yellow-lipped hat		Ь																			
Dat P P P P P P P P P P P P P P P P P P P	spadalus finlavsoni (Kitchener, Jones & Caputi, 1987) Finlavson's cave-bat				Д					Ь												
bat P P P P P P P P P P P P P P P P P P P	spadelus pumilus (Thomas, 1906) Eastern forest bat					Ь			Ь													Ь
bat P P P P P P P P P P P P P P P P P P P	spadalus regulus (Thomas, 1906) Southern forest bat	Д	Д			Ь	Ь	Д				Ь		Ь	Ь	Ь	Ь				Ь	
d ddddd d dddddddddddddddddddddddddddd	spadelus troughtoni Kitchener, Jones & Caputi, 1987 Eastern cave-bat							Ь	Ь													Ь
		Д			ш			ь	Д					Д	Д	Д						
FX FX FX	Conilurus albines (Liechtenstein 1829) Parron White-footed tree-rat	ТXН			•	_	_	•							•	•						

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Terrestrial mammal species	do the me and eath only	Ma Ha AS		10 010 000	010	IBRA region	IBR	IBRA region	TOT I	TANY THE MALE WAS THE THE TANK THE WAS THE WAS THE WAY	514	10 H	1		472	1	
Conjurus penicillatus (Gould 1842) Pakooma. Brush-tailed rabbit-rat	NSS NUL OVE F	SD SD		SEC SI	OH SEC	SSD SIF	210 24	A IAN	ICH	P INM	CNI	SE ISK	IWE	VB VM FX	V.F. W.A	X ×	IAL
Leggadina forresti (Thomas, 1906) Anoola, Forrest's mouse		l i				ЬР		Ь									
	Ь	ЬР					Ь	Ь						Ь		Ь	
	EX					EX EX											EX
Leporillus conditor (Sturt, 1848) Wopilkara, Greater stick-nest rat	EX	EX				EX											EX
Mastacomys fuscus Thomas, 1882—1 ooarrana, Broad-toothed rat  Mecambrismus conthii (Gray, 1843)—Diintamoong, Black-Borted trae-rat		٥	Ь	SD	Ь				Ь	٥		Д	Ъ				
Mesembrionnys macrurus (Peters, 1876) – Koorrawal, Golden-backed tree-rat		SD EX								4				2		٦	
Notomys alexis Thomas, 1922 Tarrkawarra, Spinifex hopping-mouse	М	Ь				РР		P									Ь
Notomys amplus Brazenor, 1936 Yoontoo, Short-tailed hopping-mouse						EX		EX									EX
Notomys aquilo Thomas, 1921 Woorrentinta, Northern hopping-mouse																	
Notomys cervinus (Gould, 1853) Ooarri, Fawn hopping-mouse	EX					D SD											
Notomys fuscus (Jones, 1925) Wilkinti, Dusky hopping-mouse		i				SD SD									į		į
Notomys longicaudatus (Gould, 1844) Koolawa, Long-tailed hopping-mouse		EX				EX									EX		EX
Notomys macroits Thomas, 1921 Noompa, Large-eared hopping-mouse	۵						-	<b>;</b>									
Notomys michelli (Ogilby, 1838) Fankot, Mitchell s Hopping-mouse	П						-	EX									
Notomys moraax 1100mas, 1922 - Fayl, Datting Downs nopping-filouse Notomse voluetie Mahonev, Smith & Medlin, 2008 - Broad-cheeked honning-mouse						FX											
Positions alboringment (Gauld 1845). Noodii Asharey manse						Š		Д									
Pseudomys arocentereta (Court, 1942) Pseudomys anodemoides Finlayson 1932 Naho, Silky mouse														Д	CS		
Pseudomys auritus Thomas, 1910 Long-eared mouse															EX		
Pseudomys australis Gray, 1832 Palyoora, Plains rat	EX					SD SD								EX	EX		
Pseudomys bolami Troughton, 1932 Poonta, Troughton's mouse	D					D											Ь
Pseudomys calabyi Kitchener & Humphreys, 1987 Pinti, Kakadu pebble-mound mouse		Ь															
Pseudomys chapmani Kitchener, 1980 Ngadji, Western pebble-mound mouse		Ь															
	Ь	ЬР			Ь		Ь	Ь		Ь				Ь		Ь	
Pseudomys desertor Troughton, 1932 Wildjin, Desert mouse	EX P	Ь				Ь Р											
Pseudomys fieldi (Waite, 1896) Djoongari, Shark Bay mouse	EX					EX	П	EX							Ш	EX	EX
Pseudomys fumeus Brazenor, 1934 Koonoom, Smokey mouse			SD	Ь	Ь									Ω			
Pseudomys glaucus Thomas, 1910 Blue-grey mouse						Î											
Pseudomys gouldn (Waternouse, 1839) Noonun, Gould S mouse			۵		6	EA											
Pseudomys gracificandatus (Gould, 1845) Karrooka, Eastern chestnut mouse		-	a		٦,	מ	6	0									6
Esetatomys nermanns burgensis (watte, 1890) - Mingkin, Sandy Intand mouse  Deandomys himpinet (Tronscent 1807) - Locaines Long-failed mouse	7	<u> </u>					۲,	<u>~</u>	Д			О	Д				۲,
r seadomys megansi (110dessait, 1627) — Econ mega, Eong-taneo mouse Peondomys inhusoni Kitchener 1985 — Ilyema Central nebble-mound mouse	Д						Д		4		٦	1	4				
Pendomys Johnson Kitchener & Humnhreys 1986 Tatatoo Kimberley mouse	-						-	Д						Д			
Pseudomys nanus (Gould, 1858) Moolboo, Western chestnut mouse	d	P SD					Д	ь		Ь				. д			EX
Pseudomys novaehollandiae (Waterhouse, 1843) Pookila. New Holland mouse	•		DS		Ω			•				Q					
Pseudomys occidentalis Tate, 1951 Walyadji, Western mouse					1		П	EX				ı					
Pseudomys oralis Thomas, 1921 Koontoo, Hastings River mouse					SD												
Pseudomys patrius (Thomas and Dollman, 1909) Eastern pebble-mound mouse					Ь												
Pseudomys pilligaensis Fox & Briscoe, 1980 Poolkoo, Pilliga mouse																	
Pseudomys shortridgei (Thomas, 1907) Dayang, Heath rat							П	EX						Ь	Ш	EX	
Pseudomys sp. (undescribed pebble-mound mouse, Qid)	£						,									,	
Zyzomys argurus (Thomas, 1889) Djoorri, Common rock-rat	24	ч ч					Ч							4		Ъ	
Zyzomys maint Nitcheffer, 1969 - Nodypert, Affilieffi Land Tock-fat Zyzomys nadatolis Vitchonom 1080 - Armedian comparison male		ч															
2y20ntys patatans ratenenet, 1362 - Aywannoonoo, Carpenanan 100x-1at Zyzomys podunoulatus (Woite 1896) - Antina Central rock-rat		ΕX						FX									ΕX
Zyzomys peannennas (marc, 1979) - muna, centan nora-tai Zyzomys woodwardi (Thomas, 1909) - Diookoorona, Kimberley rook-rat		V.						ì	_					Д			r.
Hydromys chrysogaster Geofffov 1804 Rakali Water rat	d	P SD P	Ь	Д	Ь			Д	Д	Ь	Д	Ь	Д	ЬР		Ь	
Xeromys myoides Thomas, 1889 Yirrkoo, False water rat		1			. д												
Melomys burtoni (Ramsay, 1887) Loolong, Grassland melomys	Ы	Ь			Ь					Ь				Ь		Ь	
Melomys capensis Tate, 1951 Kala, Cape York melomys																	
Melomys cervinipes (Gould, 1852) Korril, Fawn-footed melomys			Ь		Ь											Ь	
Uromys caudimaculatus (Krefft, 1867) Mati, Giant White-tailed rat																Ь	
Uromys hadrourus (Winter, 1984) - Kookoo, Masked White-tailed rat Docommis mollinifocus Datase & Doria 1881 - Diidiinara Deabancile tailed rat																J D	
Rattus colletti (Thomas, 1904) Marrawata, Dusky rat		Ь								Ь				Ь		-	
Ratus fuscipes (Waterhouse, 1839) Mootit, Southern bush rat	D		ЬР	Д	ЬР			Д						Д.	О	ЬР	
Rattus leucopus (Gray, 1867) Rarrayn, Cape York rat																Ь	

Appendix 1. (continued)

Terrestrial mammal species			1								B	BRA region														
	NSS NOT (	OVP PCK	F	RIV	SB SCP	S	S	SEO	SSD	STP S	SLO S	SWA TAN		_1	TIW TNM		TNS T	s I	- 41	TWE VB	>	5۱	WAR	_M_	YAL	
Rattus lutreolus (Gray, 1841) Koota, Swamp rat					P P	Ь	Ь	Ь						Ь		Ь	Ь	Ь	Ь	Ь	Ь	Ь		Ь		
Rattus sordidus (Gould, 1858) Minkala, Canefield rat								Ω																Ь		
Rattus tunnevi (Thomas, 1904). Diini, Pale field-rat		р	S					Д				НX			Д						۵		НX	Д	НX	
Data illusionimus (Waite 1909) Manner Lang haired not	A.D.							•	(	Q	Q		٥								, 0		i			
Ratus Vinosissimus (Watte, 1696) — Mayatoo, Long-naned tat Ratus sp. (central Qld)	EA	ц							٦	4	ч		ц								L					
No. of indigenous species				49	67 4		09	81	25	49	40	40										55	30	87	35	
No. of 'P'			•	19	40 23		43	73	26	21	37	22										23	24	83	16	
No. of 'D'				16			=	5	∞	7	_	4										10	0	4	0	
No. of 'SD'				3			3	7	4	5	_	4								0		Ξ	0	0	0	
No. of 'EX'	4 25	3 0	13	Ξ	3 2	3	3	-	14	16	_	10	13	2	0	_	2	_	_		3 7	Ξ	9	0	19	
No. of 'EX', 'SD' and 'D'				30			17	∞	26	28	3	18							_	_		32	9	4	19	
* Mus domesticus Hinton, 1916 House mouse	Ь		Д	Ы	ЬР	Д.	Д	Д	Д	Д	Ь	Д	Д	Д		Д	Д	Д	Д	Д	Д	Д	Ь	Ь	Д	
* Rattus exulans (Peale, 1848) Polynesian rat																										
* Rattus norvegicus (Berkenhout 1769) Brown rat				Ь	Ь		Ь	Д				Ь		Д		Д	Д			Д	Ь	Д		Д		
* Rattus vattus (Linnaeus, 1758) Black Rat, Shin rat	۵	Ь	Ь	. д	ЬР	. д	. д	ь			Д	. д		. д		. д	. д	. д	. д		ЬР	Д	Ь	ь		
* Funambulus pennantii Wroughton. 1905 Five-striped palm squirrel												. д														
* Canis lunus dingo (Meyer, 1793) Dingo	d d	ЬР	Ь		Ь		Ь	Ь	Ь	Ь	Д	S	Д		Д						ЬР		S	Ь		
* Vilnes vilnes I innaens 1758 Red fox	. d		. Δ	۵ م	р	. 0	Δ.	. Δ	. Δ	, д	,	1	م م			Д						Δ.	Δ.	, α	Ω	
# Filt con 1 1 in a 170 C		0	٦, ٦	٠, ٢			٠, ٢	٦,	٠, ٦	٠, ٢	6	٠, ٦	, ,	6	-		-	_				٦ ,	٠, ٦	٠, ٢	٠, ٢	
* Felis catus Linnaeus, 1/38 Cat		Ь	4	4			4	٦,	٦,	٦,	7	<u>ب</u>	7	٠,	7	<u>.</u> ,	<u>_</u>	<u>.</u>	٦,	<u></u>	Ь	٦,	4	7	4	
* Mustela putorius furo Linnaeus, 1758 Ferret, Polecat,												Ь				Д		Д								
* Oryctolagus cuniculus (Linnaeus, 1758) European rabbit	ЬР		Ь	Ь		Ь	Ь	Ь	Ω	Ь		Ь	Ь	Ь		Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	
* Lepus capensis Linnaeus, 1758 Brown hare	Ь			Ь	Р Р		Ь	Ь						Ь		Ь	Ь	Ь			Ь	Ь				
* Equus caballus Linnaeus, 1758 Brumby, Horse	Ь Р	Р Р	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь		Ь						Ь			Ь	Ь	
* Equus asinus Linnaeus, 1758 Donkey		Р Р	Ь							Ь	Ь		Ь								Ь					
* Sus scrofa Linnaeus, 1758 Pig	Ь	Р Р	Ь	Ь	РР	Ь	Ь	Ь	Ь		Ь	Ь			Ь						РР		Ь	Ь		
* Camelus dromedarius Linnaeus, 1758 Dromedary, Camel	Ь	Ь	Ь						Ь	Ь	Ь		Ь													
* Bubalis bubalis (Linnaeus, 1758) Water buffalo		Р Р									Ь		Ь		Ь						Ь					
* Bos javanicus D'Alton, 1823 Bali banteng															Ь											
* Bos taurus Linnaeus, 1758 European cattle	P P	Р Р	Ь	Ь	Ь		Ь	Ь			Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ъ	Ь		Ь	Ь	Ь	
* Capra hircus Linnaeus, 1758 Goat	Ь			Ь	Ь	Ь	Ь	Ь		Ь		Ь						Ь			Ь			Ь	Ь	
* Ovis aries Linnaeus, 1758 Sheep	P P		Ь	Ь	Ь	Ь	Ь			Ь		Ь		Ь		Ь	Ь	Ь			Ь		Ь		Ь	
* Dama dama (Linnaeus, 1758) Fallow deer	Ь				Ь		Ь							Ь		Ь		Ь								
* Cervus elaphus Linnaeus, 1758 Red deer					ш			Ь													Ь					
* Cervus timorensis de Blainville, 1822 Rusa Deer					Ь										Ь											
* Cervus unicolor Kerr, 1792 Sambar					Ь	Ь	Ь								Ь						Ь					
* Axis axis (Erxleben, 1777) Chital																										
* Axis porcinus (Zimmermann, 1780) Hog deer					Ь	Ь																				
No of evotio energies	10 01	8	1	1	17 17	15	15	1.3	1	1	10	13	10	0			0		2	2	0 12	ľ	0	Ξ	0	

No. of exotic species

Appendix 2. Adjusted  $R^2$  values from partitioning of the variation in mammal faunas across IBRA regions using four subsets of explanatory variables

The environmental variables related to temperature and precipitation (Env.), trend surface analysis using a third-order polynomial of the spatial position of each bioregion with respect to latitude and longitude (Spatial), the area of each bioregion (Area); and the richness of species in each bioregion (No.Spp). Also shown are F ratios and P values after 999 permutations for testable model fractions (i.e. unique contributions). Letters denoting partitions in the first column correspond to those identified in Fig. 3. The symbol ']' denotes 'after removing the effect of'. Individual partitions identified on Fig. 3 as contributing >1% of the variation are shown in bold font. +, P < 0.10; \*\*, P < 0.01; NS, not significant

Regions on Fig. 3	Partitions	d.f.	Adjusted R <sup>2</sup>	Testable (True/False)	F
[aeghklno]	Env.	8, 76	0.489	T	11.027**
[befiklmo]	Spatial	9, 75	0.575	T	13.633**
[cfgjlmno]	Area	1, 83	0.099	T	10.194**
[dhijkmno]	No.Spp.	1, 83	0.050	T	5.384**
[abefghiklmno]	Env. + Spatial	17, 67	0.620	T	9.069**
[acefghjklmno]	Env. + Area	9, 75	0.492	T	10.041**
[adeghijklmno]	Env. + No.Spp.	9, 75	0.506	T	10.543**
[bcefgijklmno]	Spatial + Area	10, 74	0.578	T	12.516**
[bdefhijklmno]	Spatial + No.Spp.	10, 74	0.583	T	12.735**
[cdfghijklmno]	Area + No.Spp.	2, 82	0.160	T	8.996**
[abcefghijklmno]	Env. + Spatial + Area	18, 66	0.622	T	8.670**
[abdefghijklmno]	Env. + Spatial + No.Spp.	18, 66	0.629	T	8.895**
[acdefghijklmno]	Env. + Area + No.Spp.	10, 74	0.508	T	9.688**
[bcdefghijklmno]	Spatial + Area + No.Spp.	11, 73	0.590	T	11.975**
[abcdefghijklmno]	All	19, 65	0.631	T <b>T</b>	8.5557**
[a]	Env.   Spatial + Area + No.Spp.	8, 65 9, 65	0.041	T	2.0177** 3.728**
[b]	Spatial   Env. + Area + No.Spp. Area   Env. + Spatial + No.Spp.	1, 65	<b>0.123</b> 0.002	T	1.4217 NS
[c] [d]	No.Spp.   Env. + Spatial + Area	1, 65	0.002	T	2.6345**
	No.spp.   Eliv. + Spatial + Alea	0	0.307	F	-
[e] [f]		0	0.001	F	_
[g]		0	0.005	F	_
[h]		0	0.003	F	_
[i]		0	0.002	F	_
[j]		0	-0.001	F	_
[k]		0	0.043	F	_
[l]		0	0.103	F	_
[m]		0	0.002	F	_
[n]		0	-0.003	F	_
[0]		0	-0.010	F	_
Residuals		0	0.369	F	_
[ae]	Env.   Area+No.Spp.	8, 74	0.349	T	8.266**
[ag]	Env.   Spatial+No.Spp.	8, 66	0.046	T	2.138**
[ah]	Env.   Spatial+Area	8, 66	0.044	T	2.064**
[be]	Spatial   Area+No.Spp.	9, 73	0.430	T	10.543**
[bf]	Spatial   Env.+No.Spp.	9, 66	0.123	T	3.758**
[bi]	Spatial   Env.+Area	9, 66	0.130	T	3.857**
[cf]	Area   Env.+No.Spp.	1, 74	0.003	T	1.437 NS
[cg]	Area   Spatial+No.Spp.	1, 73	0.007	T	2.241**
[cj]	Area   Env.+Spatial	1, 66	0.002	T	1.268 NS
[dh]	No.Spp.   Spatial+Area	1, 73	0.012	T	3.067**
[di]	No.Spp.   Env.+Area	1, 74	0.016	T	3.497**
[dj]	No.Spp.   Env.+Spatial	1, 66	0.008	T	2.496**
[aghn]	Env.   Spatial	8, 67	0.045	T	2.113**
[aehk]	Env.   Area	8, 75	0.393	T	9.035**
[aegl]	Env.   No.Spp.	8, 75	0.456	T	10.567**
[bfim]	Spatial   Env.	9, 67	0.132	T	3.929**
[beik]	Spatial   Area	9, 74	0.480	T	11.486**
[befl]	Spatial   No.Spp.	9, 74	0.533	T	12.787**
[cfjm]	Area   Env.	1, 75	0.004	T	1.534+
[cgjn]	Area   Spatial	1, 74	0.003	T	1.554+
[cfgl]	Area   No.Spp.	1, 82	0.110	T	11.901**
[dijm]	No.Spp.   Env.	1, 75	0.017	T	3.624**
[dhjn]	No.Spp.   Spatial	1, 74	0.008	T	2.385**
[dhik]	No.Spp.   Area	1, 82	0.061	T	7.055**