











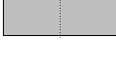
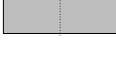


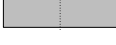

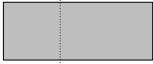















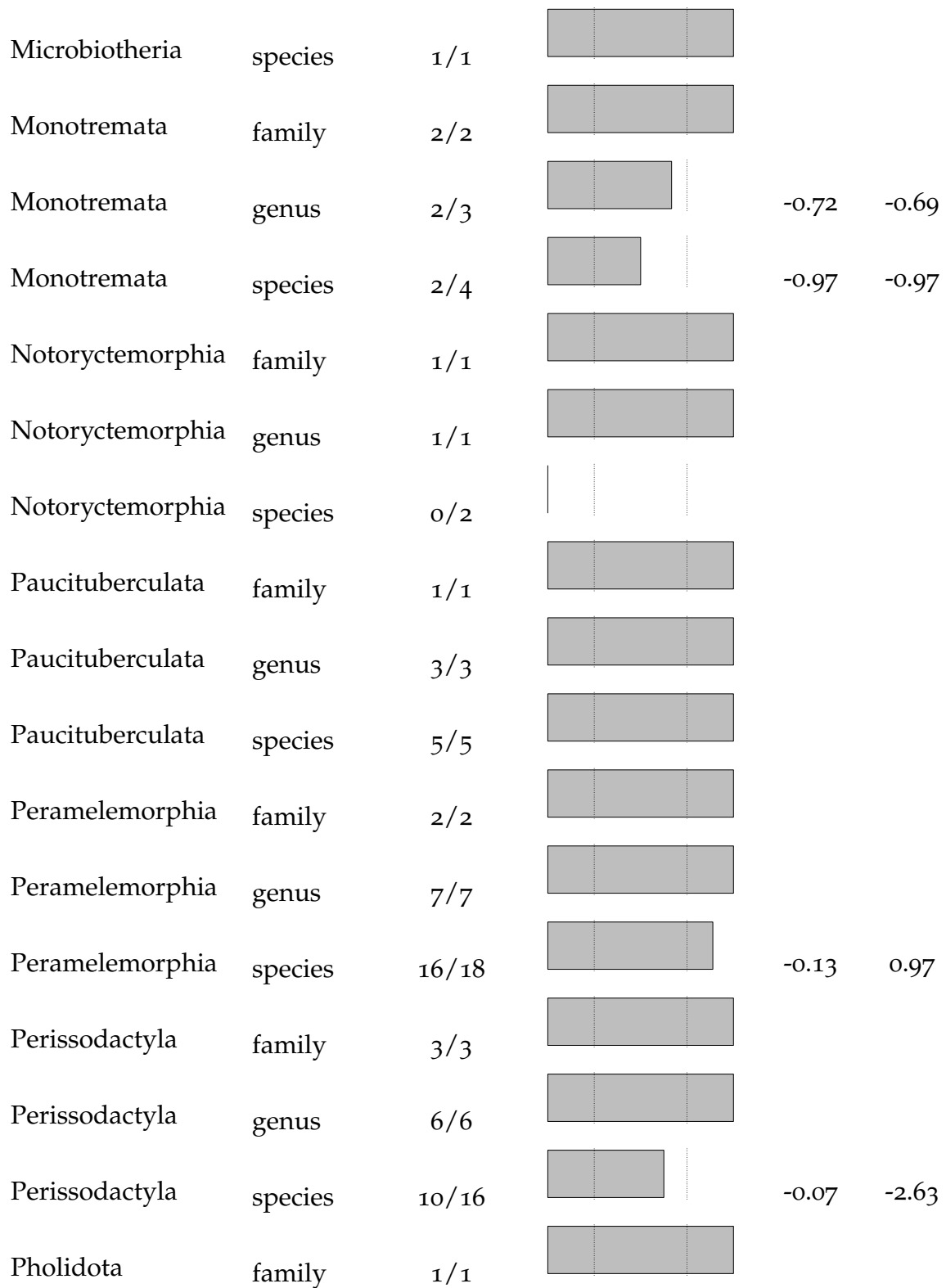












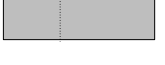
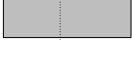



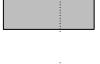

Table 1: Number of taxa with available cladistic data for mammalian orders at three taxonomic levels. The coverage represents the proportion of taxa with available morphological data. The left vertical bar represents 25% of available data (“low” coverage if <25%); The right vertical bar represents 75% of available data (“high” coverage if >75%). When the Net Relatedness Index (NRI) and the Nearest Taxon Index (NTI) are negative, taxa are more phylogenetically dispersed than expected by chance; when NRI or NTI are positive, taxa are more phylogenetically clustered by expected by chance. Significant NRI or NTI are highlighted in bold. One star (*) represents a p-value between 0.05 and 0.005; two starts between 0.005 and 0.0005 and three stars a p-value less than 0.0005.









Order	Taxo- nomic level	Propor- tion of taxa	Coverage	NRI	NTI
Afrosoricida	family	2/2	<div><div></div><div></div><div></div></div>		
Afrosoricida	genus	17/17	<div><div></div><div></div><div></div></div>		
Afrosoricida	species	23/42	<div><div></div><div></div><div></div></div>	1.75	1.08
Carnivora	family	14/15	<div><div></div><div></div><div></div></div>	0.63	0.6
Carnivora	genus	54/125	<div><div></div><div></div><div></div></div>	4.81**	1.78*
Carnivora	species	76/283	<div><div></div><div></div><div></div></div>	7.66**	0.85
Cetartiodactyla	family	21/21	<div><div></div><div></div><div></div></div>		

Cetartiodactyla	genus	100/128		0.85	0.94
Cetartiodactyla	species	171/310		1.92*	-0.46
Chiroptera	family	15/18		-0.28	0.56
Chiroptera	genus	93/202		13.47**	1.1
Chiroptera	species	215/1053		8.82**	1.22
Cingulata	family	1/1			
Cingulata	genus	8/9		1.51	-1.57
Cingulata	species	9/29		1.9*	0.11
Dasyuromorphia	family	2/2			
Dasyuromorphia	genus	8/22		-0.75	-1.07
Dasyuromorphia	species	9/64		-0.88	-0.34
Dermoptera	family	1/1			
Dermoptera	genus	1/2			
Dermoptera	species	1/2			
Didelphimorphia	family	1/1			
Didelphimorphia	genus	16/16			
Didelphimorphia	species	42/84		-1.65	0.2

Diprotodontia	family	11/11			
Diprotodontia	genus	25/38		-1.13	-1.31
Diprotodontia	species	31/126		0.48	-1.77
Erinaceomorpha	family	1/1			
Erinaceomorpha	genus	10/10			
Erinaceomorpha	species	21/22		-1.07	-0.2
Hyracoidea	family	1/1			
Hyracoidea	genus	1/3			
Hyracoidea	species	1/4			
Lagomorpha	family	2/2			
Lagomorpha	genus	5/12		-1.06	-0.95
Lagomorpha	species	12/86		-0.62	-1.88
Macroscelidea	family	1/1			
Macroscelidea	genus	4/4			
Macroscelidea	species	12/15		-1.3	-1.06
Microbiotheria	family	1/1			
Microbiotheria	genus	1/1			



Pholidota	genus	1/1			
Pholidota	species	4/8		1.18	0.94
Pilosa	family	4/5		1.87	2
Pilosa	genus	4/5		-0.96	0.36
Pilosa	species	5/29		1.28	2.38*
Primates	family	15/15			
Primates	genus	48/68		-0.35	-1.33
Primates	species	64/351		-0.67	-1.27
Proboscidea	family	1/1			
Proboscidea	genus	2/2			
Proboscidea	species	2/3		-0.69	-0.69
Rodentia	family	18/32		0.66	-0.98
Rodentia	genus	82/450		-1.66	1.55
Rodentia	species	90/2094		2.76*	2.34*
Scandentia	family	2/2			
Scandentia	genus	2/5		-0.74	-0.74
Scandentia	species	3/20		-1.88	-0.84

Sirenia	family	2/2			
Sirenia	genus	2/2			
Sirenia	species	4/4			
Soricomorpha	family	3/4		-0.98	-0.99
Soricomorpha	genus	19/43		7.11**	2.59**
Soricomorpha	species	21/392		10.65**	3.56**
Tubulidentata	family	1/1			
Tubulidentata	genus	1/1			
Tubulidentata	species	1/1	