

Additional File 2: List of sequences used for divergence dating and resulting fossil-calibrated time-tree.

Supplementary Table: Data set used for the divergence dating analysis in BEAST. GenBank accession codes for *IRBP* and *CYTB* sequences are shown, as well as ID of the voucher specimens (when available).

Taxon	IRBP	CYTB	Voucher (IRBP/CYTB)
<i>Aethomys</i>	AY326075	AJ604526	FMNH168101/TZ337
<i>Apodemus agrarius</i>	AB096842	AB096809	HS1733
<i>Apodemus argenteus</i>	AB032855	AB032848	HS361
<i>Apodemus draco</i>	AB109398	AB109397	KIZ211058
<i>Apodemus flavicollis</i>	AB032860	AB032853	HS591
<i>Apodemus gorkha</i>	AB032859	AB032852	HS1317
<i>Apodemus latronum</i>	AB096851	AB096834	HS2515
<i>Apodemus mystacinus</i>	AB303229	AJ748237	MAS2/JRM-544
<i>Apodemus speciosus</i>	AB032856	AB032849	HS240
<i>Apodemus witherbyi</i>	AB303231	AB303228	Her103
<i>Arvicanthis neumanni</i>	KC953358	EU349737	H 894
<i>Arvicanthis niloticus</i>	DQ022386	AF004569	MNHN 1997-1842
<i>Colomys</i>	DQ022395	AF518372	SMNS 30124
<i>Dasymys</i>	EU292143	AF141217	?
<i>Golunda</i>	AM408332	AM408338	T-843
<i>Grammomys</i>	AM408329	AM408345	T-1092
<i>Heimyscus</i>	DQ022397	AF518332	MNHN 2001-64
<i>Hylomyscus parvus</i>	DQ022399	AF518329	CM SP_10502
<i>Hylomyscus stella</i>	DQ022398	AF518331	CM SP_5032
<i>Lemniscomys rosalia</i>	DQ022390	AF141209	MNHN 1996-569/?
<i>Lemniscomys striatus</i>	AM408321	AF141210	T-789/?
<i>Malacomys edwardsi</i>	DQ022392	DQ022379	R24689
<i>Malacomys longipes</i>	DQ022393	DQ022380	MNHN_2001-070
<i>Mastomys coucha</i>	DQ022400	AF518334	MNHN 1999-104
<i>Mastomys erythroleucus</i>	AM408335	AM409395	T-295/M4912
<i>Mastomys pernanus</i>	DQ022403	AF518343	RUCA 1624
<i>Micaelamys</i>	AM408330	AF141215	T-1425/?
<i>Mus cookii</i>	AB125802	AB125767	HS2921
<i>Mus musculus</i>	AF126968	V00711	
<i>Mus pahari</i>	AJ698893	AY057814	
<i>Mus crociduroides</i>	AJ698894	AJ698878	T-1194
<i>Mus platythrix</i>	AJ698895	AJ698880	T-406
<i>Myomyscus brockmani</i>	DQ022407	AF518352	CM TK_33059
<i>Myomyscus yemeni</i>	DQ022409	AF518356	MNHN 1994-079
<i>Oenomys</i>	KC953425	EU349769	CM_102549/CM_102548
<i>Otomys angoniensis</i>	AM408325	AM408343	T-718
<i>Otomys denti</i>	KC953428	EU874449	FMNH_138124
<i>Parotomys</i>	KC953432	AF141224	H-656/?
<i>Praomys daltoni</i>	DQ022406	AF518348	MNHN 1999-392
<i>Praomys degraafi</i>	DQ022410	AF518359	FMNH 138046/FMNH 157790
<i>Praomys delectorum</i>	AY326104	KC261544	FMNH153977/RMCA 96.037-M-4755
<i>Praomys jacksoni</i>	KC953443	EU349778	CM 102583
<i>Praomys petteri</i>	JF284269	JQ735842	MNHN R13072
<i>Praomys tullbergi</i>	DQ022413	AF518365	CM SP10188
<i>Praomys verschureni</i>	DQ022394	AF518373	SMNS 131

<i>Stenocephalemys albipes</i>	DQ022404	AF518346	MNHN 1999-561
<i>Stenocephalemys albicaudata</i>	DQ022414	AF518369	T-1590
<i>Stochomys</i>	EU292147	EU292149	MNHN 1999-459
<i>Tokudaia</i>	AB033712	AB033703	HS1162
<i>Zelotomys</i>	DQ022396	AF518375	A. Hoffman 3191
MOTU 1 ("Nyika")	KJ935874	KJ935741	M8_3025_Nyika_MW
MOTU 2 (<i>imberbis</i>)	KF928334	KF928333	ETH121_Chilalo_ETH_imberbis
MOTU 3 ("Harena")	KJ935875	KJ935743	ETH211_HarenaForest_ETH
MOTU 4 (<i>triton</i>)	KJ935748	KJ935876	KE913_Nanyuki_KE
MOTU 7 (cf. <i>proconodon</i>)	KJ935883	KJ935767	ETH299_MagoNP_ETH
MOTU 8 (<i>setulosus</i>)	AJ698888	AJ698873	AJ698873_GAB_setulosus
MOTU 12 (<i>baoulei</i>)	-	EU603991	BE55_Agbassa_BE
MOTU 17 (<i>neavei</i>)	KJ935890	KJ935805	M8_3049_Nyika_MW
MOTU 18 ("Zakouma")	AJ875089	AJ875085	AJ875085_Zakouma_TCH
MOTU 19 (<i>haussa</i>)	AJ875073	AJ698891	AJ875073_Kollo_NIG_haussa
MOTU 22 (<i>indutus</i>)	AJ698892	AJ698874	AJ698874_Kgalagadi_SA_indutus
MOTU 23 (cf. <i>gratus</i>)	KJ935894	KJ935822	TA77_Minziro_TZ
MOTU 27 (<i>minutoides</i>)	KJ935903	KJ935867	TA171_Rumanyika_TZ

Supplementary Figure: Dating of divergences of murine rodents using relaxed clock model with substitution rates drawn from an uncorrelated lognormal distribution in BEAST 1.8.0 (Drummond et al., 2012) and three fossil-based calibration points (marked by stars).

