

JAV-00859

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Supplementary material

Appendix 1

Table A1. List of tissue samples and localities included in the molecular analyses. COI sequences were obtained for all individuals. ND2, Cytb, LDH, TGFb2, FIB5 and MYO2 sequences were obtained for a sub-sample of individuals belonging to outgroup species and the four main mitochondrial lineages of *M. striata*.

Species	Locality	Country	tissue number	Institutions, Collectors
<i>M. adusta</i>	Marsabit National Reserve	Kenya	ZMUC133308	ZMUC
<i>M. aquatica</i>	Yankari Game Reserve	Nigeria	ZMUC145195	ZMUC
<i>M. cassini</i>	Laylay	DR Congo	ZMUC143426	ZMUC
<i>M. muttui</i>	Ban Sopkhang, Phongsaly	Laos	MHNG1933.015	MHNG
<i>M.s.balearica</i>	Banyalbufar, Mallorca	Spain	MNHN674	Steve Nicoll
<i>M.s.balearica</i>	Banyalbufar, Mallorca	Spain	MNHN675	Steve Nicoll
<i>M.s.balearica</i>	Banyalbufar, Mallorca	Spain	MNHN676	Steve Nicoll
<i>M.s.balearica</i>	Banyalbufar, Mallorca	Spain	MNHN677	Steve Nicoll
<i>M.s.balearica</i>	Escorca, Mallorca	Spain	MNHN670	Josep R. Sunyer
<i>M.s.balearica</i>	Escorca, Mallorca	Spain	MNHN671	Josep R. Sunyer
<i>M.s.balearica</i>	Escorca, Mallorca	Spain	MNHN672	Josep R. Sunyer
<i>M.s.balearica</i>	Puigpunyent, Mallorca	Spain	MNHN678	Manolo Suárez, Pere Garcies, Jordi Muntaner
<i>M.s.balearica</i>	Santa Margalida, Mallorca	Spain	MNHN669	Josep R. Sunyer
<i>M.s.balearica</i>	Santa Margalida, Mallorca	Spain	MNHN679	Josep R. Sunyer
<i>M.s.striata</i>	Taps, Jylland	Denmark	ZMUC147532	ZMUC
<i>M.s.striata</i>	Bourges, Cher	France	MNHN SPOT13430	MNHN
<i>M.s.striata</i>	Jossigny, Seine et Marne	France	MNHN CG1996-24	MNHN
<i>M.s.striata</i>	Montady, Hérault	France	MNHN722	MNHN, Georges Oliosio, Jean-Marc Pons
<i>M.s.striata</i>	Morsang-sur-Orge, Essonne	France	MNHN737	MNHN, Eric Pasquet
<i>M.s.striata</i>	Mayamey, Semanan	Iran	NRM20046663	NRM
<i>M.s.striata</i>	Mayamey, Semnan	Iran	ZMUC137721	ZMUC
<i>M.s.striata</i>	Castel del piano, Toscane	Italy	MNHN745	MNHN, Jean-Claude Thibault
<i>M.s.striata</i>	Letland (HAJ)	Lithuania	ZMUC137277	ZMUC
<i>M.s.striata</i>	KrasnodarskiyKray	Russia	UWBM61090	UWBM, Sergei V. Drovetski
<i>M.s.striata</i>	KrasnodarskiyKray	Russia	UWBM64810	UWBM, Sergei V. Drovetski
<i>M.s.striata</i>	KrasnodarskiyKray	Russia	UWBM64813	UWBM, Sergei V. Drovetski
<i>M.s.striata</i>	Lleida, Catalogna	Spain	MNHN754	ICO, Jaume Duaigües
<i>M.s.striata</i>	Lleida, Catalogna	Spain	MNHN755	ICO, Jaume Duaigües
<i>M.s.striata</i>	Nynäshamn, Södermanland	Sweden	NRM986492	NRM
<i>M.s.striata</i>	Örebro, Kvismaren, Närke	Sweden	NRM20106505	NRM
<i>M.s.striata</i>	Umea, Hössjö, Västerbotten	Sweden	NRM376308	NRM
<i>M.s.striata</i>	Vellingn, Höllviken, Skane	Sweden	NRM20116458	NRM
<i>M.s.striata</i>	Lausanne	Switzerland	MHNG1916.053	MHNG

<i>M.s.striata</i>	AïnSoltane	Tunisia	MNHN323	MNHN, Georges Oliosio, Jean-Marc Pons, Moez Touihri
<i>M.s.striata</i>	AïnSoltane	Tunisia	MNHN346	MNHN, Georges Oliosio, Jean-Marc Pons, Moez Touihri
<i>M.s.striata</i>	AïnSoltane	Tunisia	MNHN378	MNHN, Georges Oliosio, Jean-Marc Pons, Moez Touihri
<i>M.s.striata</i>	Fernana	Tunisia	MNHN387	MNHN, Georges Oliosio, Jean-Marc Pons, Moez Touihri
<i>M.s.tyrrhenica</i>	Farinole, Corsica	France	MNHN193	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Fratte, Corsica	France	MNHN749	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	FT Melaja, Corsica	France	MNHN297	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	FT Melaja, Corsica	France	MNHN298	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Oletta, Corsica	France	MNHN748	Joseph Piacentini, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Ortiporio, Corsica	France	MNHN470	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Ortiporio, Corsica	France	MNHN471	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Ortiporio, Corsica	France	MNHN751	Joseph Piacentini
<i>M.s.tyrrhenica</i>	Patrimonio, Corsica	France	MNHN457	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Patrimonio, Corsica	France	MNHN458	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Patrimonio, Corsica	France	MNHN488	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Patrimonio, Corsica	France	MNHN490	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Patrimonio, Corsica	France	MNHN491	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Patrimonio, Corsica	France	MNHN492	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Patrimonio, Corsica	France	MNHN496	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Patrimonio, Corsica	France	MNHN499	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Livorno, Toscane	Italy	MNHN747	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Livorno, Toscane	Italy	MNHN752	MNHN, Jean-Claude Thibault
<i>M.s.tyrrhenica</i>	Domus de Maria	Sardinia	MNHN658	Gianpaolo Ruzzante
<i>M.s.tyrrhenica</i>	Domus de Maria	Sardinia	MNHN659	Gianpaolo Ruzzante
<i>M.s.tyrrhenica</i>	Sassari	Sardinia	MNHN660	Anna Lacci
<i>M.sethsmithi</i>	Katungulu	DR Congo	ZMUC143441	ZMUC

ICO = Institut Català d'Ornitologia, Museu de Zoologia, Barcelona

NRM = Swedish Museum of Natural History, Stockholm

MHNG = Musée Histoire Naturelle de Genève

MNHN = Muséum National d'Histoire Naturelle, Paris

UWBM = University of Washington, Burke Museum, Seattle

ZMUC = Zoological Museum, University of Copenhagen

Appendix A1: Genbank (www.ncbi.nlm.nih.gov) sequences used in the COI network.

GU571493, Norway: Oppland, Flatevatnet

GU571492, Norway: Finnmark, Porsanger

GU571987, Sweden: Stockholm, Uppland, Villebradsstigen 4 Lidingo

GU571986, Sweden: Norrbotten, Kabdalis, Luovaure

GQ482233, UWBM64853 Russia: Krasnodarskiy Kray, Mostovskoi Rayon, Psebai

GQ482232, Russia: Smolensk Region, Vyazemskiy Rayon, Vyaz`ma, Khemel`niki

GQ482231, Russia: Kursk Oblast`, Ivanovskoye, along Seym River

GQ482230, Kazakhstan: Almaty Oblysy, Alma-Ata, Ili River, near Bakbaktii

GQ482229, Russia: Moskovskaya Oblast`, Beloomut

GQ482228, Russia: Murmanskaya Oblast, Umba, shore of Kandalaksh skaya Guba

GQ482227, Russia: Sverdlovskaya Oblast, Krasnoufimsk, along Bizert River

EF422240, Slovakia: Pol`ana

Appendix A2: Specimen number and Genbank sequences used in multilocus data analyses (mitochondrial sequences).

	COI	Cyt b	ND2
MNHN193	KT861636	KT861658	KT861680
MNHN297	KT861637	KT861659	KT861681
MNHN323	KT861638	KT861660	KT861682
MNHN387	KT861639	KT861661	KT861683
UWBM61090	KT861640	KT861662	KT861684
NRM20106505	KT861641	KT861663	KT861685
MNHN658	KT861642	KT861664	KT861686
ZMUC133308	KT861643	KT861665	KT861687
ZMUC143426	KT861644	KT861666	KT861688
ZMUC143441	KT861645	KT861667	KT861689
ZMUC145195	KT861646	KT861668	KT861690
ZMUC147532	KT861647	KT861669	KT861691
MNHN670	KT861648	KT861670	KT861692
MNHN678	KT861649	KT861671	KT861693
MNHN13430	KT861650	KT861672	KT861694
MHNG1933.05	KT861651	KT861673	KT861695
MNHN722	KT861652	KT861674	KT861696
MNHN745	KT861653	KT861675	KT861697
MNHN752	KT861654	KT861676	KT861698
MNHN747	KT861655	KT861677	KT861699
MNHN754	KT861656	KT861678	KT861700
MNHN755	KT861657	KT861679	KT861701

Appendix A2: Specimen number and Genbank sequences used in multilocus data analyses (nuclear sequences).

	FGB5	MB2	TGFb2	LDH
MNHN193	KT861702	KT861722	KT861743	KT861763
MNHN297	KT861703	KT861723	KT861744	KT861764
MNHN323	KT861704	KT861724	KT861745	KT861765
MNHN387	KT861705	KT861725	KT861746	KT861766
UWBM61090	KT861706	KT861726	KT861747	KT861767
NRM20106505	KT861707	KT861727	KT861748	KT861768
MNHN658	KT861708	KT861728	KT861749	KT861769
ZMUC133308	na	KT861729	KT861750	KT861770
ZMUC143426	na	na	KT861751	na
ZMUC143441	KT861709	KT861730	na	KT861771
ZMUC145195	KT861710	KT861731	KT861752	KT861772
ZMUC147532	KT861711	KT861732	KT861753	KT861773
MNHN670	KT861712	KT861733	KT861754	KT861774
MNHN678	KT861713	KT861734	KT861755	KT861775
MNHN13430	KT861714	KT861735	KT861756	KT861776
MHNG1933.05	KT861715	KT861736	KT861757	KT861777
MNHN722	KT861716	KT861737	na	KT861778
MNHN745	KT861717	KT861738	KT861758	KT861779
MNHN752	KT861718	KT861739	KT861759	KT861780
MNHN747	KT861719	KT861740	KT861760	KT861781
MNHN754	KT861720	KT861741	KT861761	KT861782
MNHN755	KT861721	KT861742	KT861762	KT861783

na = not available

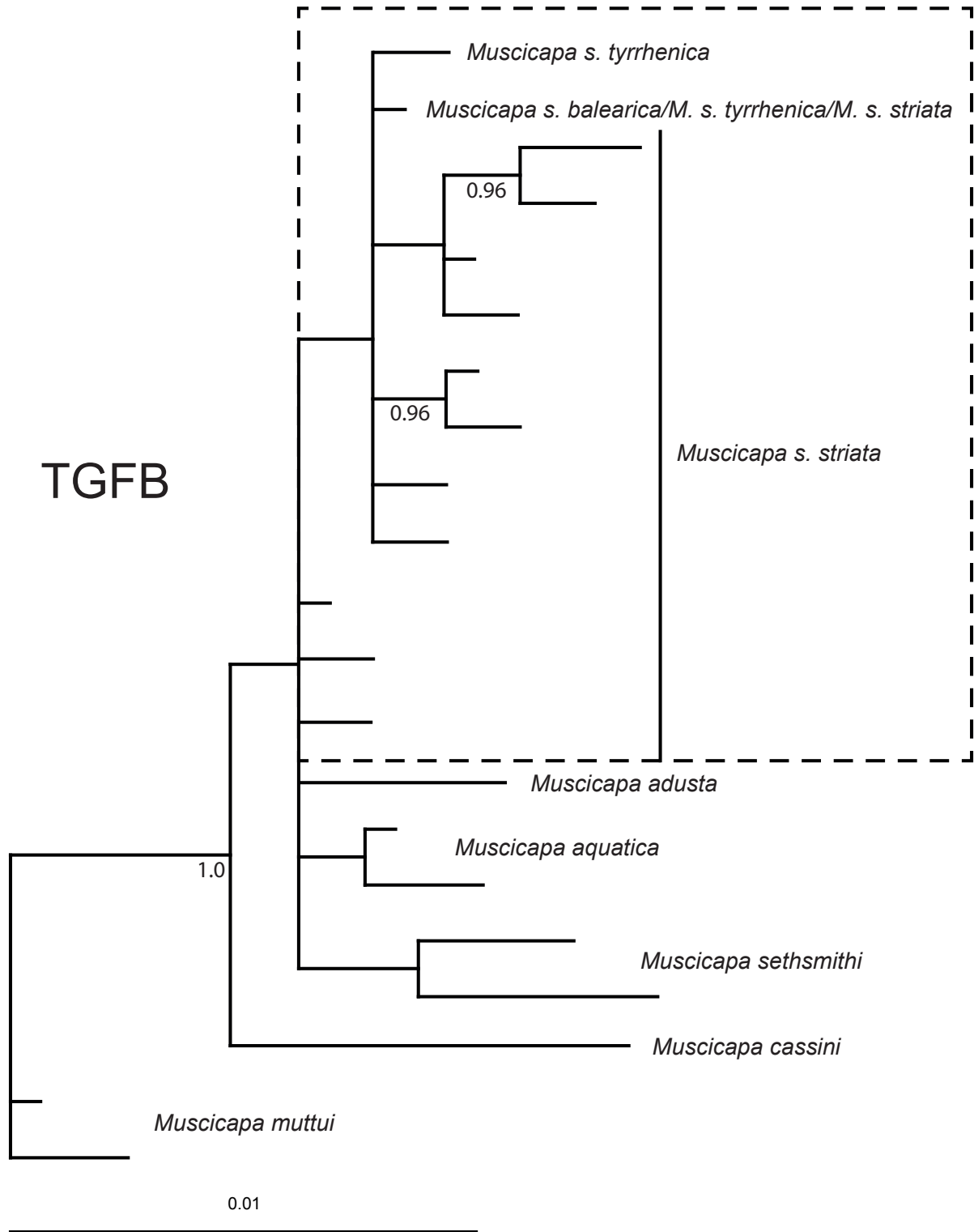


Figure A1: TGFB Bayesian phylogenetic gene tree.

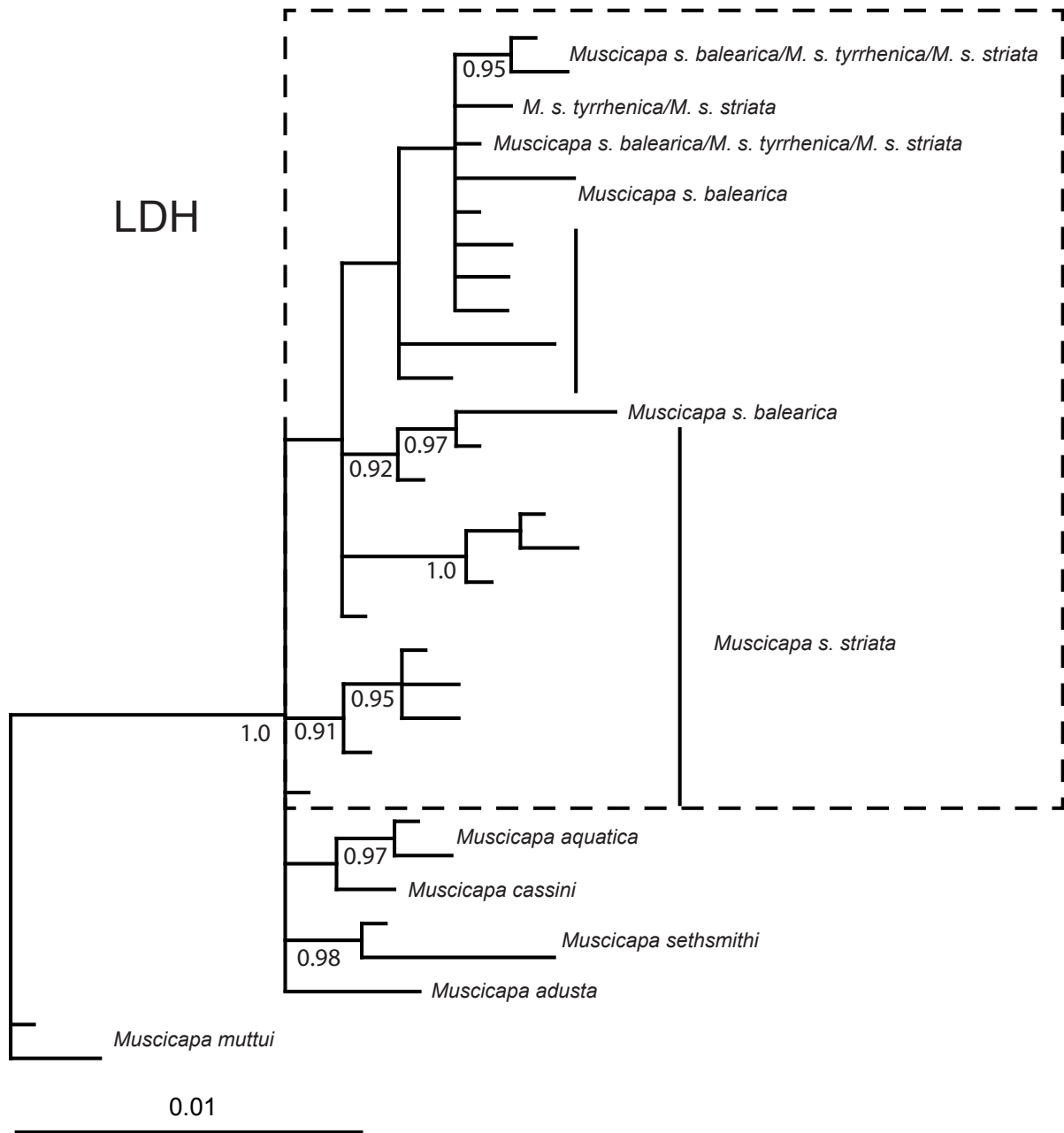


Figure A2: LDH Bayesian phylogenetic gene tree.

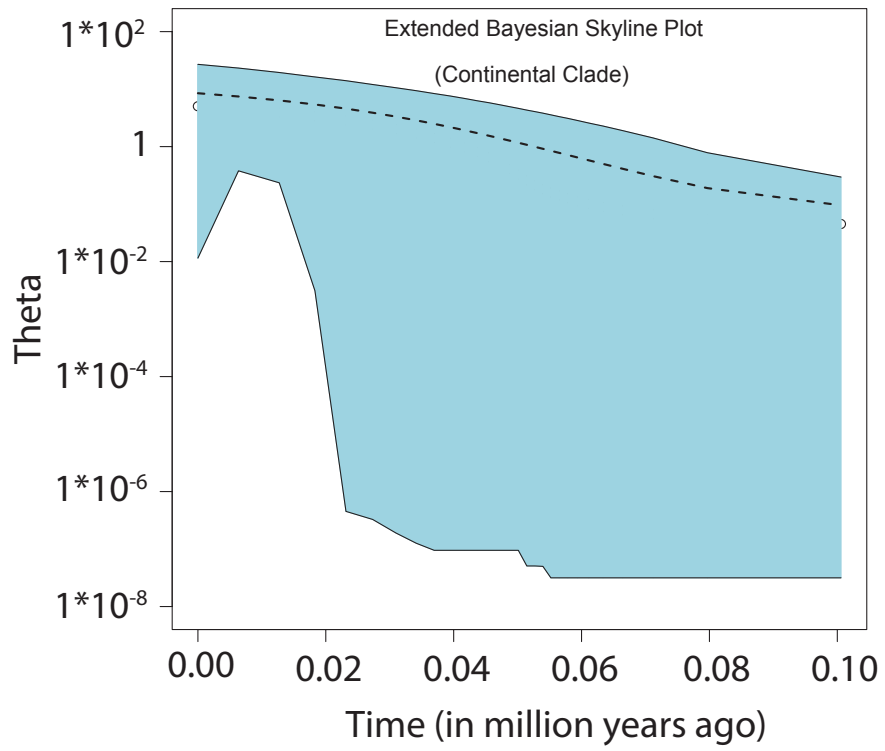


Figure A3: Bayesian skyline plot, EBSP

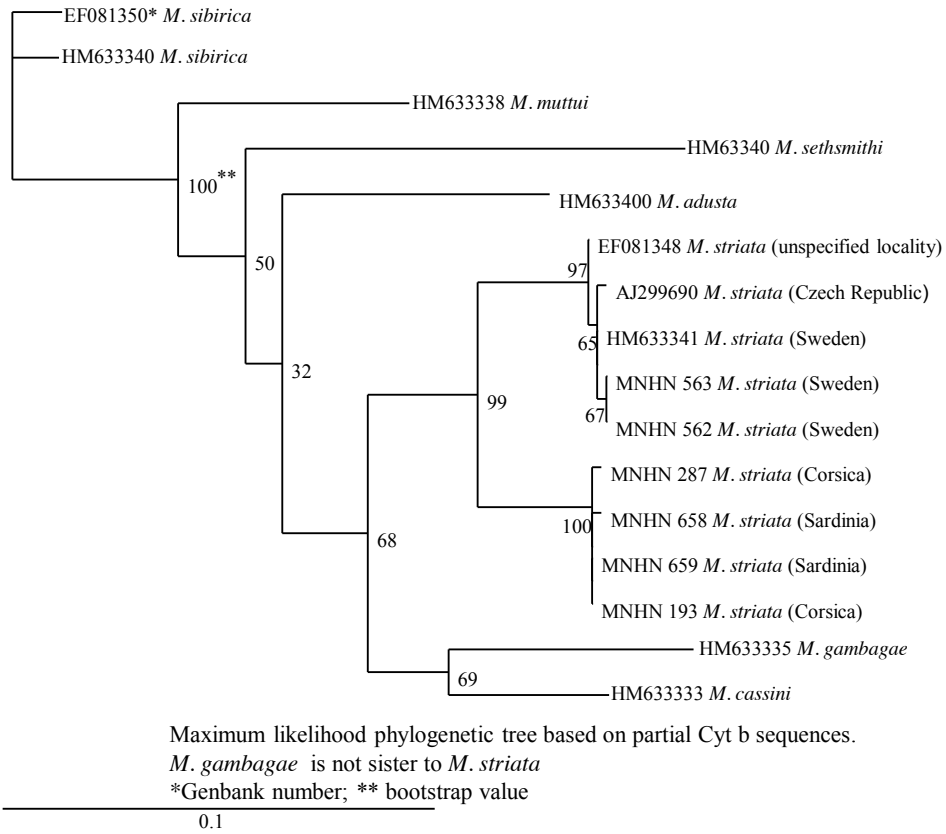


Figure A4: Cyt b maximum likelihood phylogenetic tree