

**New records on the distribution of the Spanish sand racer species (*Squamata*,
Psammodromus) in Spain, Iberian Peninsula**

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southern Spain

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SUPPLEMENTARY MATERIAL

Table S1: Details of the cytochrome *b* sequences retrieved from GenBank and used in the phylogenetic analyses.

Species	GenBank Accession No.	Reference
<i>Psammodromus algirus</i> A	DQ298557	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298558	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298559	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298560	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298576	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298577	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298578	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298579	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298580	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298581	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298582	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298583	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	DQ298584	Carranza et al. (2006)
<i>Psammodromus algirus</i> A	FJ587953	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	FJ587954	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	FJ587955	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	FJ587956	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	FJ587957	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	FJ587958	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	FJ609794	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	FJ609795	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	FJ609796	Fitze et al. (2011)
<i>Psammodromus algirus</i> A	MF684928	Mendes et al. (2017)
<i>Psammodromus algirus</i> B	AF206535	Fu (2000)
<i>Psammodromus algirus</i> B	AY151835	Carranza et al. (2004)
<i>Psammodromus algirus</i> B	AY217816	Whiting et al. (2003)
<i>Psammodromus algirus</i> B	DQ150362	Busack & Lawson (2006)
<i>Psammodromus algirus</i> B	DQ150363	Busack & Lawson (2006)
<i>Psammodromus algirus</i> B	DQ150364	Busack & Lawson (2006)
<i>Psammodromus algirus</i> B	DQ150365	Busack & Lawson (2006)
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<i>Psammodromus algirus</i> B	DQ298540	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298541	Carranza et al. (2006)
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<i>Psammodromus algirus</i> B	DQ298544	Carranza et al. (2006)
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<i>Psammodromus algirus</i> B	DQ298553	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298554	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298555	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298556	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298564	Carranza et al. (2006)

Species	GenBank Accession No.	Reference
<i>Psammodromus algirus</i> B	DQ298565	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298566	Carranza et al. (2006)
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<i>Psammodromus algirus</i> B	DQ298568	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298569	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298570	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298571	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298572	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298573	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298574	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	DQ298575	Carranza et al. (2006)
<i>Psammodromus algirus</i> B	EU116517	Pramuk et al. Unpublished
<i>Psammodromus algirus</i> B	FJ587959	Fitze et al. (2011)
<i>Psammodromus algirus</i> B	FJ587960	Fitze et al. (2011)
<i>Psammodromus algirus</i> B	FJ587961	Fitze et al. (2011)
<i>Psammodromus algirus</i> B	FJ587962	Fitze et al. (2011)
<i>Psammodromus algirus</i> B	FJ587963	Fitze et al. (2011)
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<i>Psammodromus algirus</i> B	FJ587968	Fitze et al. (2011)
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<i>Psammodromus algirus</i> B	FJ609791	Fitze et al. (2011)
<i>Psammodromus algirus</i> B	FJ609792	Fitze et al. (2011)
<i>Psammodromus algirus</i> B	FJ609793	Fitze et al. (2011)
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<i>Psammodromus algirus</i> B	MF684929	Mendes et al. (2017)
<i>Psammodromus algirus</i> B	MF684930	Mendes et al. (2017)
<i>Psammodromus algirus</i> B	MF684931	Mendes et al. (2017)
<i>Psammodromus algirus</i> B	MF684932	Mendes et al. (2017)
<i>Psammodromus algirus</i> B	MF684933	Mendes et al. (2017)
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<i>Psammodromus blanci</i> A	MF684923	Mendes et al. (2017)
<i>Psammodromus blanci</i> B	MF684924	Mendes et al. (2017)
<i>Psammodromus blanci</i> B	MF684925	Mendes et al. (2017)
<i>Psammodromus blanci</i> B	DQ298563	Carranza et al. (2006)
<i>Psammodromus edwardsianus</i>	DQ298562	Carranza et al. (2006)
<i>Psammodromus edwardsianus</i>	FJ587514	Fitze et al. (2011)
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<i>Psammodromus edwardsianus</i>	FJ587516	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587517	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587518	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587519	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587520	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587521	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587522	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587523	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587524	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587525	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587526	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587527	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587528	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587529	Fitze et al. (2011)
<i>Psammodromus edwardsianus</i>	FJ587530	Fitze et al. (2011)

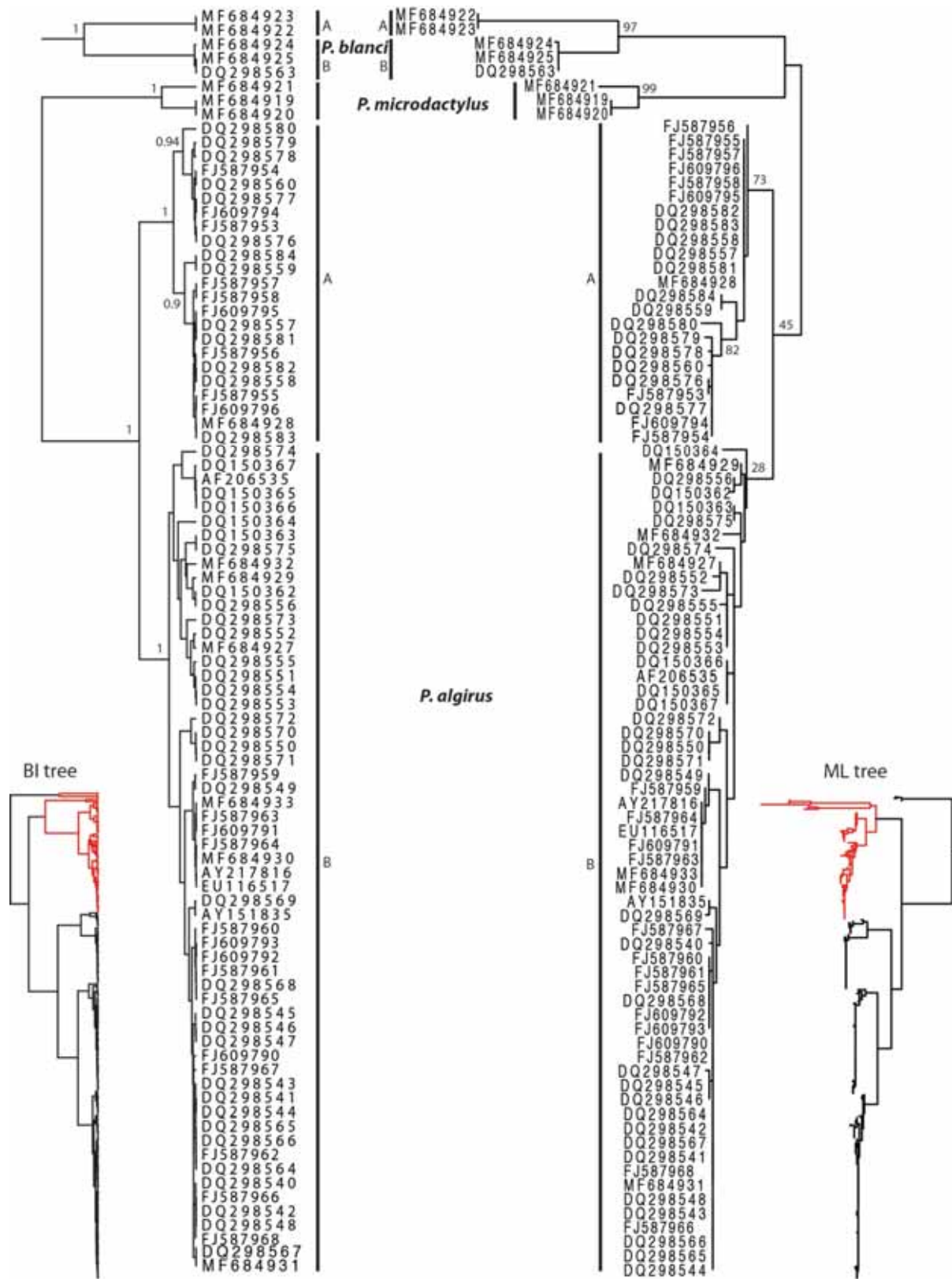
Species	GenBank Accession No.	Reference
<i>Psammodromus hispanicus</i>	FJ587723	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587724	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587725	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587726	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587727	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587728	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587729	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587730	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587731	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587732	Fitze et al. (2011)
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<i>Psammodromus hispanicus</i>	FJ587734	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587735	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587736	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587737	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587738	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587739	Fitze et al. (2011)
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<i>Psammodromus hispanicus</i>	FJ587759	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587760	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587761	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587762	Fitze et al. (2011)
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<i>Psammodromus hispanicus</i>	FJ587764	Fitze et al. (2011)
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<i>Psammodromus hispanicus</i>	FJ587766	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	FJ587767	Fitze et al. (2011)
<i>Psammodromus hispanicus</i>	KY762174	Carvalho et al. (2017)
<i>Psammodromus microdactylus</i>	MF684919	Mendes et al. (2017)
<i>Psammodromus microdactylus</i>	MF684920	Mendes et al. (2017)
<i>Psammodromus microdactylus</i>	MF684921	Mendes et al. (2017)
<i>Psammodromus occidentalis</i> A	DQ298561	Carranza et al. (2006)
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<i>Psammodromus occidentalis</i> B	FJ587665	Fitze et al. (2011)
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<i>Psammodromus occidentalis</i> B	FJ587667	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587668	Fitze et al. (2011)
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<i>Psammodromus occidentalis</i> B	FJ587675	Fitze et al. (2011)

Species	GenBank Accession No.	Reference
<i>Psammodromus occidentalis</i> B	FJ587676	Fitze et al. (2011)
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<i>Psammodromus occidentalis</i> B	FJ587679	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587703	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587704	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587705	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587706	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587707	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587708	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587709	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587710	Fitze et al. (2011)
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<i>Psammodromus occidentalis</i> B	FJ587744	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587745	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587746	Fitze et al. (2011)
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<i>Psammodromus occidentalis</i> B	FJ587752	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587753	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587754	Fitze et al. (2011)
<i>Psammodromus occidentalis</i> B	FJ587755	Fitze et al. (2011)
<i>Gallotia caesaris caesaris</i>	MF684936	Mendes et al. (2017)
<i>Gallotia caesaris caesaris</i>	MF684937	Mendes et al. (2017)
<i>Gallotia caesaris gomerae</i>	MF684934	Mendes et al. (2017)
<i>Gallotia caesaris gomerae</i>	MF684935	Mendes et al. (2017)

Table S2: Uncorrected genetic distances (*p*-distances) for the *cytb* mitochondrial marker between (lower-left) and within (bold) *Psammodromus* taxa/lineages included in the phylogenetic analyses.

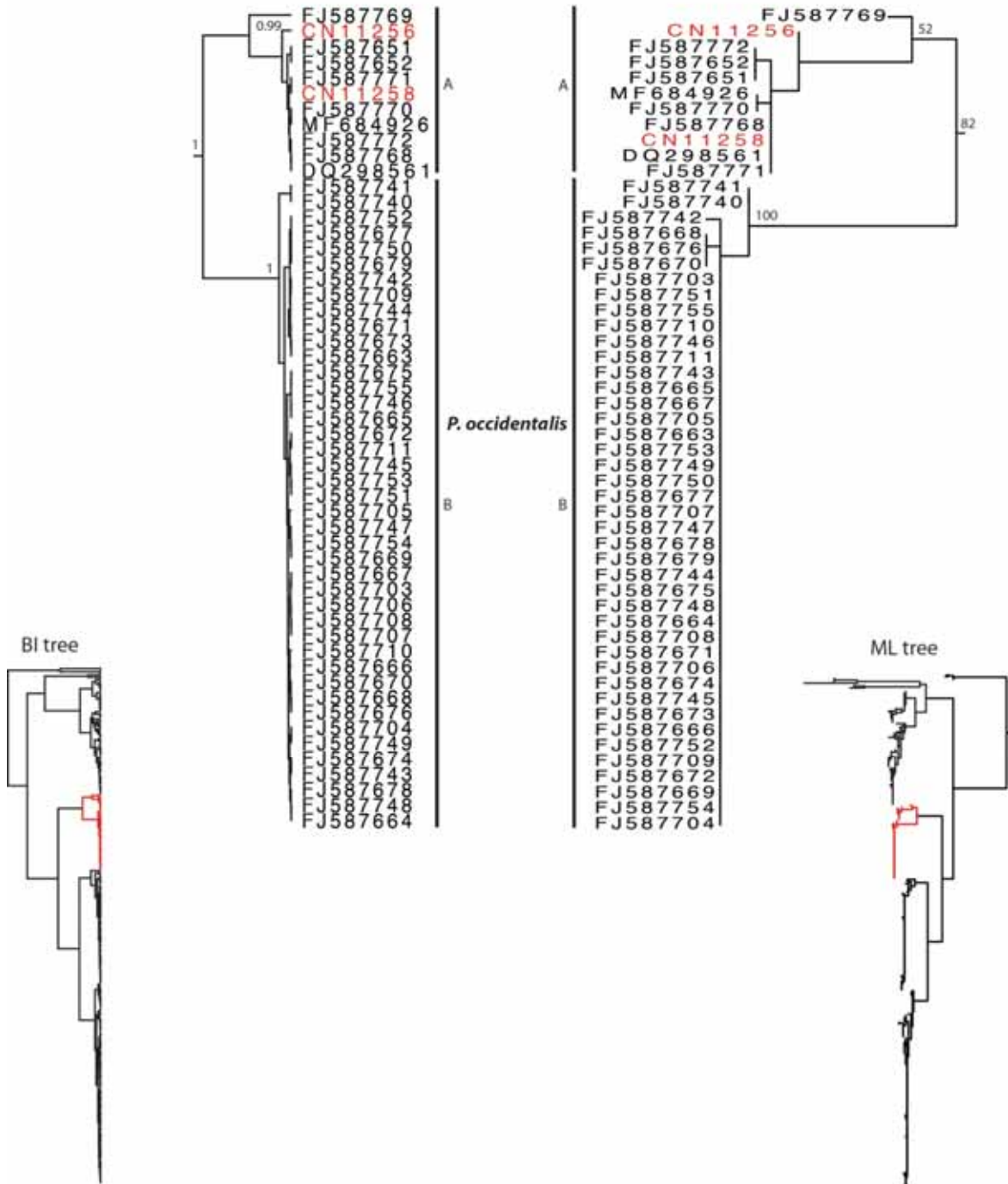
	1	2	3	4	5	6	7	8	9
1. <i>P. algirus</i> A	2.0								
2. <i>P. algirus</i> B	6.4	2.5							
3. <i>P. blanci</i> A	15.5	16.5	0.0						
4. <i>P. blanci</i> B	17.2	16.9	12.1	0.2					
5. <i>P. edwardsianus</i>	13.7	14.4	17.9	17.4	0.9				
6. <i>P. hispanicus</i>	12.7	13.3	17.1	17.0	7.1	0.6			
7. <i>P. microdactylus</i>	14.1	14.1	18.3	16.3	15.5	15.1	3.8		
8. <i>P. occidentalis</i> A	14.8	14.7	14.4	15.9	12.2	11.2	16.3	1.0	
9. <i>P. occidentalis</i> B	15.4	14.7	14.9	16.8	12.1	12.9	17.5	8.0	0.1

Figure S1: Estimated relationships among the six species of the genus *Psammodromus* derived from Bayesian inference (BI; left) and Maximum likelihood (ML; right) analyses using the models explained in the text, based on 300 bp cytochrome *b* sequences (nine from this study 354 retrieved from GenBank). The sister genus to *Psammodromus*, *Gallotia*, was used as outgroup in the ML tree. Numbers above the nodes correspond to bootstrap support and posterior provability from ML and BI analyses, respectively. In red the clades enlarged in each page and the specimen codes from this study.



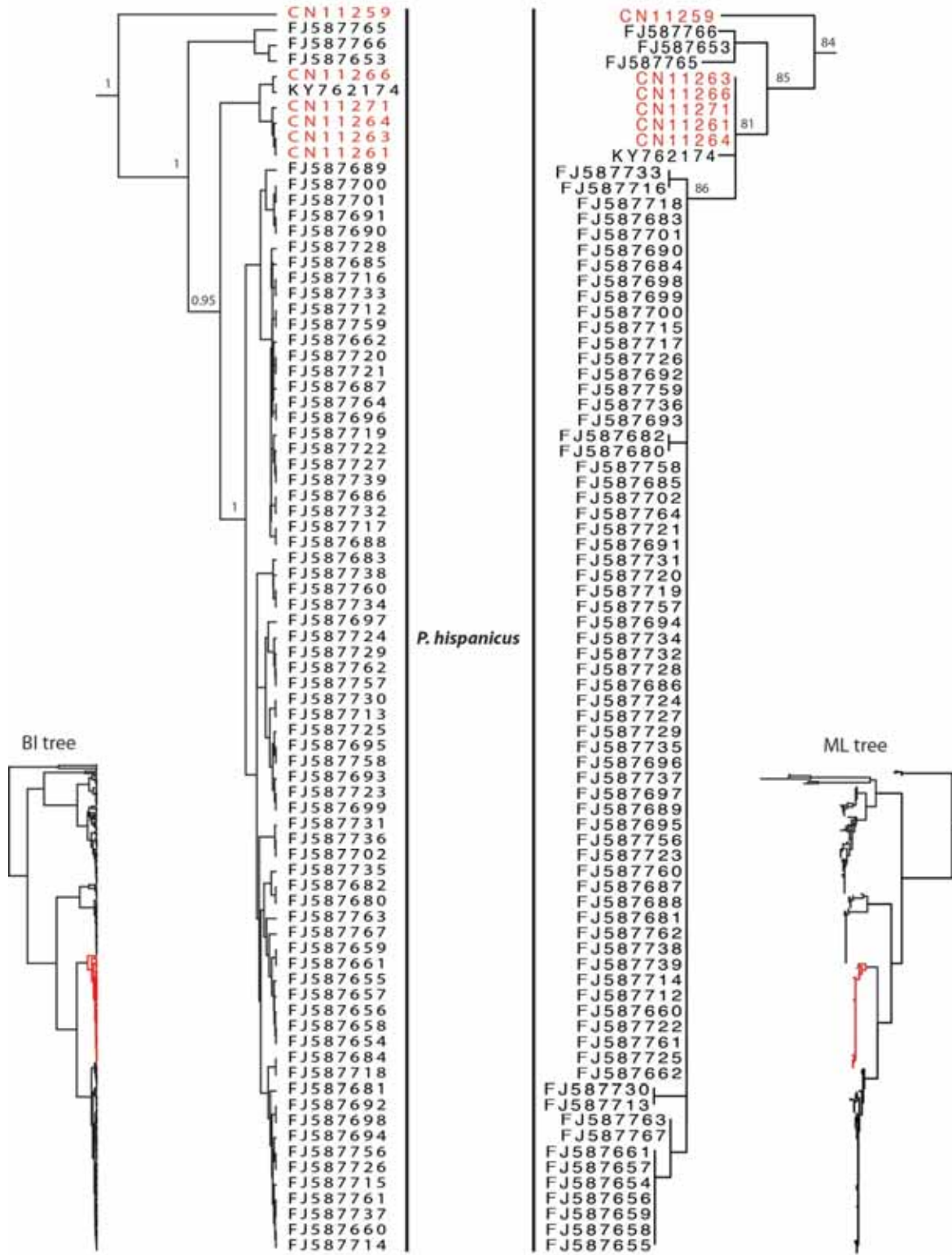
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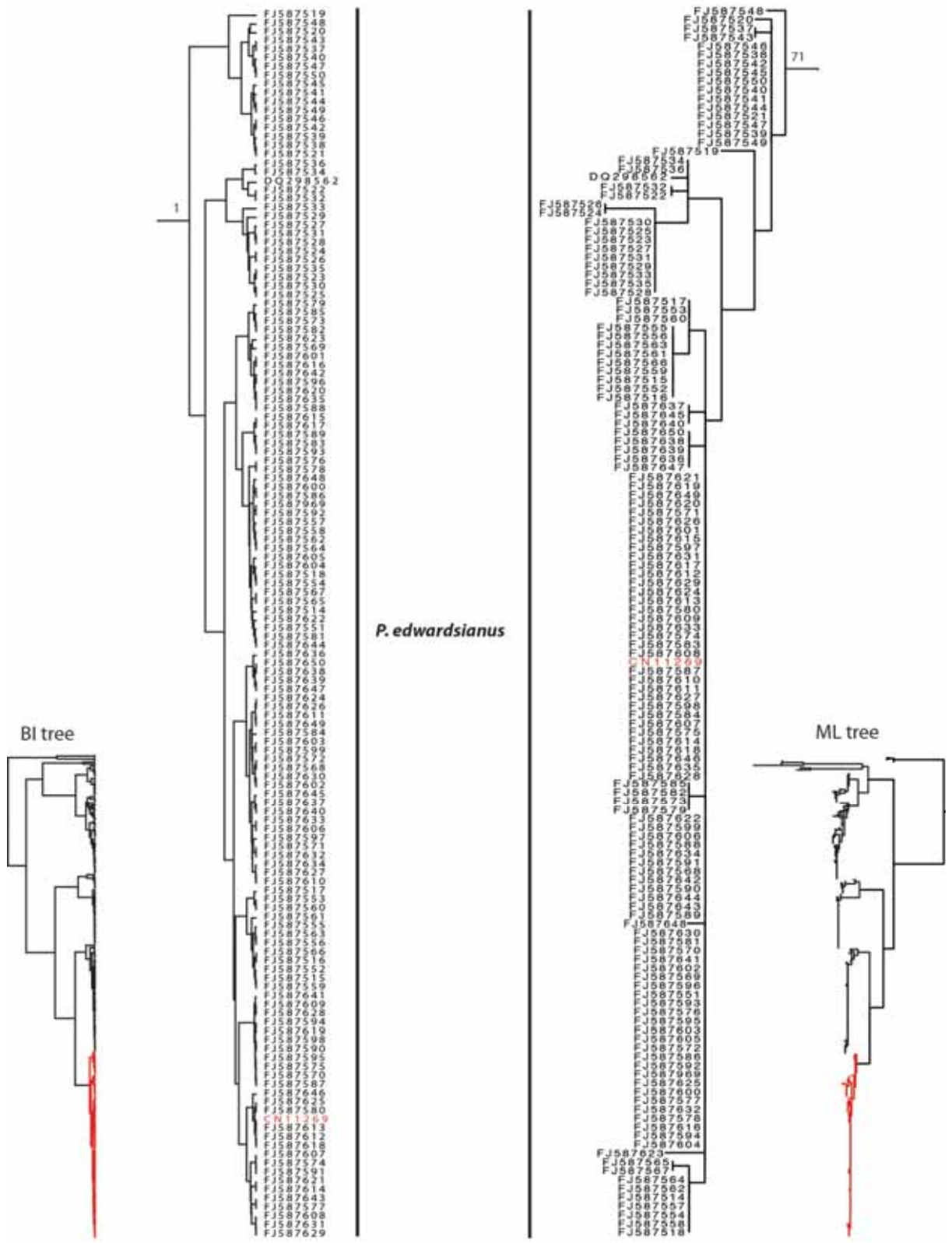


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