

Supplementary material

Species richness in the genus *Microplana* (Platyhelminthes, Tricladida, Microplaninae) in Europe: as yet no asymptote in sight

Eduardo Mateos, Ronald Sluys, Marta Riutort and Marta Álvarez-Presas

^ADepartament de Biologia Evolutiva, Ecologia i Ciències Ambientals, Facultat de Biologia, Universitat de Barcelona, Av. Diagonal 643, 08028 Barcelona, Spain.

^BNaturalis Biodiversity Center, PO Box 9517, 2300 RA Leiden, The Netherlands.

^CDepartament de Genètica, Microbiologia i Estadística, Facultat de Biologia and Institut de Recerca de la Biodiversitat (IRBio), Universitat de Barcelona, Av. Diagonal 643, 08028 Barcelona, Spain.

^DCorresponding author. Email: Ronald.Sluys@naturalis.nl

Table S1. List of specimens used in the molecular and histological analyses, locality of origin and codes used in the trees, Museum code for histological sections, and accession numbers for the gene sequences

Species	Collecting locality	Molecular code	Museum code	GenBank			
				Cox1	18S	28S	EF
<i>Microplana cf. aixandrei-1</i>	Lleida, Spain	063E024		KU867073*			
		252E023		KU867074*			
	Cádiz, Spain	123D042		KU867075*			
		125D042		FJ969973			
		126D042		FJ969974			
		127D042		FJ969975			
		135D046		FJ969976 ^a	FJ970000	KU872614*	-
		142D042		FJ969977 ^a			
		143D042		FJ969978 ^a			
	Málaga, Spain	146D042		KU867076*			
		181D055		KU867077* ^a			
		288M184		KU867078* ^a	KU872571*	KU872615*	KU872658*
		289M184		KU867079*			
		290M184		KU867080*			
		291M184		KU867081*			
		292M184		KU867082*			
		293M184		KU867083*			
		294M184		KU867084*			
		296M184		KU867085*	V.Pl. 7239.3		
<i>Microplana cf. aixandrei-2</i>	Lleida, Spain	061E023		KU867086*			
		300E023		KU867087*			
	Barcelona, Spain	064B025		KU867088*			
		176B009		KU867089*			
		254B005		KU867090*			
		255B005		KU867091*			
		257B005		KU867092* ^a			
		302B168		KU867093* ^a	KU872572*	KU872616*	KU872659*
	Logroño, Spain	159R050		KU867094*			
	Girona, Spain	228G006		KU867095*			
		230G006		KU867096*			
		392G246		KU867097* ^a	KU872573*	-	KU872660*
		396G006		KU867098*			

<i>Microplana cephalofusca</i> Sluys, Álvarez-Presas & Mateos sp. nov.	Bulgaria	1229U472	V.Pl. 7229.1	KU867133* ^a	KU872581*	KU872620*	KU872667*
<i>Microplana cingulata</i> Álvarez-Presas, Sluys & Mateos sp. nov.	Bulgaria	1173U465		KU867134* ^a			
		1174U465	V.Pl. 7230.1	KU867135* ^a	KU872582*	KU872621*	KU872668*
		1175U465		KU867136* ^a	KU872583*	KU872622*	KU872669*
		1176U465		KU867137* ^a			
		1177U465		KU867138* ^a			
		1181U466		KU867139*			
<i>Microplana fuscomaculosa</i> Álvarez-Presas, Sluys & Mateos sp. nov.	Oxfordshire, United Kingdom	493Y264		KU867140*			
		495Y264	V.Pl. 7233.1	KU867141*			
	Monmouthshire, United Kingdom	507Y267		KU867142*			
	Cumbria, United Kingdom	546Y270		KU867143*			
		547Y270		KU867144* ^a	KU872584*	KU872623*	KU872670*
		551Y270		KU867145*			
	Nottinghamshire, United Kingdom	591Y274		KU867146*			
	Saint Laurent du Pont, France	692X298		KU867147* ^a			
		694X298		KU867148* ^a			
	Le Chipal, France	718X304		KU867149*			
		725X304		KU867150* ^a	KU872585*	-	KU872671*
		726X304		KU867151* ^a	KU872586*	-	KU872672*
		727X304		KU867152*			
	Huesca, Spain	778H335	V.Pl. 7231.1	KU867153* ^a	KU872587*	KU872624*	KU872673*
		780H336	V.Pl. 7231.2	KU867154* ^a	KU872588*	KU872625*	KU872674*
		784H338	V.Pl. 7232.1	KU867155* ^a			
		786H339		KU867156* ^a			
		801H346		KU867157* ^a			
		804H348		KU867158*			
		954H348		KU867159*			
	1018H332		KU867160* ^a				
	1050H336		KU867161*				
	1248H348		KU867162*				
	1259H325		KU867163*				
<i>Microplana groga</i>	Barcelona, Spain	058B014		FJ969963 ^a	FJ969991	-	-
		095B037		FJ969964 ^a	FJ969992	KJ599721	KJ599693
		097B038		FJ969965 ^a	FJ969993	-	-
	Girona, Spain	390G246		KR906546 ^a	KR906664	KU872626*	KU872675*
<i>Microplana henrici</i>	Bulgaria	1178U465	V.Pl. 7240.1	KU867164* ^a	KU872589*	KU872627*	KU872676*

<i>Microplana hyalina</i>	Barcelona, Spain	1220U471		KU867165* ^a	KU872590*	KU872628*	KU872677*	
		054B005		KU867166*				
		171B036		FJ969969 ^a	FJ969997	KU872629*	KU872678*	
		172B036		FJ969970 ^a				
	Saint Laurent du Pont, France	173B036		FJ969971 ^a				
		697X299		KU867167* ^a	KU872591*	KU872630*	KU872679*	
		698X299		KU867168* ^a	KU872592*	KU872631*	KU872680*	
	Abruzzo, Italy	Viterbo, Italy	701X299		KU867169*			
			920I446	V.PI. 7242.1	-			
			930I448		KU867170*			
			931I448		KU867171*			
			932I448	V.PI. 7241.1	-			
			933I449		KU867172* ^a			
			934I449		KU867173* ^a			
			936I449		KU867174* ^a	KU872593*	-	KU872681*
			938I449	V. PI. 7244.1	-			
			942I451		KU867175* ^a			
	944I451		KU867176* ^a					
	946I451		KU867177* ^a	-	-	KU872682*		
947I451	V.PI. 7243.1	-						
948I452		KU867178* ^a						
<i>Microplana kwiskea</i>	Porz-Ensen, Germany	1396Q000	V.PI. 7245.1	-				
<i>Microplana lutulenta</i> Álvarez-Presas, Sluys & Mateos sp. nov.	Bulgaria	1172U465		KU867179* ^a				
		1179U466	V.PI. 7235.1	KU867180* ^a	KU872594*	-	KU872683*	
		1221U471		KU867181* ^a	KU872595*	KU872632*	KU872684*	
		1222U471	V.PI. 7234.1	KU867182* ^a				
<i>Microplana monacensis</i>	Navarra, Spain	204N021		KU867183* ^a				
		208N021		KU867184*	KU872596*	KU872633*	KU872685*	
		738N021	V.PI. 7246.1	KU867185* ^a	KU872597*	KU872634*	KU872686*	
<i>Microplana nana</i>	Girona, Spain	108G017		FJ969947 ^a	FJ969981	KJ599722	-	
		377G244		KR906586 ^a	KR906659	KU872635*	KU872687*	
	Huesca, Spain	308H202	V.PI. 7213.1	KR906597 ^a	KR906657	KU872636*	KU872688*	
		802H347		KR906600 ^a	KR906662	KU872637*	KU872689*	
		1233H325		KR906604 ^a				
<i>Microplana nervosa</i> Sluys, Mateos & Álvarez-Presas sp. nov.	Asturias, Spain	324A219	V.PI. 7236.2	KU867186* ^a	KU872598*	KU872638*	KU872690*	
		325A219		KU867187* ^a	KU872599*	KU872639*	KU872691*	

		326A220	V.Pl. 7236.1	KU867188* ^a			
		328A220		KU867189* ^a			
		329A220		KU867190* ^a			
		868A371		KU867191* ^a			
	Cantabria, Spain	1132S376	V.Pl. 7237.1	KU867192* ^a	KU872600*	KU872640*	KU872692*
		1133S376		KU867193* ^a			
		1134S376		KU867194* ^a			
		1142S373		KU867195*	KU872601*	-	KU872693*
		1145S374		KU867196* ^a			
<i>Microplana scharffi</i>	North Yorkshire, United Kingdom	MS3		KR906625 ^a	KR906677	KU872641*	KU872694*
	Cumbria, United Kingdom	514Y268		KR906627 ^a			
		517Y268		KR906628			
		543Y269		KR906631 ^a	KR906678	KU872642*	KU872695*
	Abruzzo, Italy	914I443	V.Pl. 7220.1	KR906632 ^a			
	Bulgaria	1182U466		KR906633 ^a			
		1183U466		KR906634			
<i>Microplana</i> sp. 1 (UCS)	Saint Laurent du Pont, France	699X299		KU867197* ^a	KU872602*	KU872643*	KU872696*
	Asturias, Spain	826A359		KU867198* ^a	KU872603*	KU872644*	-
<i>Microplana</i> sp. 2 (UCS)	Bulgaria	1211U470		KU867199* ^a	KU872604*	KU872645*	KU872697*
		1212U470		KU867200* ^a	KU872605*	KU872646*	KU872698*
		1214U470		KU867201* ^a			
		1215U470		KU867202* ^a			
		1216U470		KU867203*			
		1217U470		KU867204*			
		1218U470		KU867205* ^a			
<i>Microplana</i> sp. 3 (UCS)	Cumbria, United Kingdom	535Y269		KU867206* ^a			
		536Y269		KU867207* ^a			
		537Y269		KU867208* ^a			
		538Y269		KU867209* ^a	-	KU872647*	KU872699*
<i>Microplana</i> sp. 4 (UCS)	Cumbria, United Kingdom	516Y268		KU867210* ^a	KU872606*	KU872648*	-
		567Y271		KU867211* ^a			
	Derbyshire, United Kingdom	587Y272		KU867212* ^a			
<i>Microplana</i> sp. 5 (UCS)	Asturias, Spain	321A218		KU867213* ^a	KU872607*	KU872649*	KU872700*
<i>Microplana sparsa</i> Sluys, Mateos & Álvarez-Presas sp. nov.	Gerês, Portugal	346Z234		KU867214* ^a	KU872608*	-	KU872701*
		349Z234		KU867215* ^a			
		351Z234	V.Pl. 7238.1	KU867216* ^a			

