

López-Rodríguez *et al.*, 2026. eDNA metabarcoding: a non-invasive method to track temporal community dynamics in temporary rivers. *Limnetica* 45 (1), 2026

SUPPLEMENTARY INFORMATION

Table S1. Sediments eDNA method sequencing depths per sampling site and date. *Profundidad de secuenciación por sitio de muestreo y fecha para el método de eDNA de sedimentos.*

Method	Site	Date	average reads	total reads	n OTUs	n Species
Sediments	Vallcebre2	31/08/2019	2112	67590	32	9
Sediments	Vallcebre2	16/07/2019	1060	31805	30	5
Sediments	Vallcebre2	15/09/2019	55	3600	66	21
Sediments	Vallcebre2	13/08/2019	1686	67446	40	7
Sediments	Vallcebre2	04/08/2019	709	40392	57	15
Sediments	Vallcebre2	02/07/2019	922	37809	41	9
Sediments	Vallcebre2	01/10/2019	57	3120	55	15
Sediments	Vallcebre1	31/08/2019	127	10434	82	15
Sediments	Vallcebre1	16/07/2019	48	2945	61	8
Sediments	Vallcebre1	15/09/2019	355	14926	42	4
Sediments	Vallcebre1	13/08/2019	7	7	1	1
Sediments	Vallcebre1	04/08/2019	6	48	8	5
Sediments	Vallcebre1	02/07/2019	250	14761	59	16
Sediments	Vallcebre1	01/10/2019	761	30447	40	5
Sediments	Talamanca2	31/08/2019	41	744	18	0
Sediments	Talamanca2	16/07/2019	520	12993	25	6
Sediments	Talamanca2	15/10/2019	329	10842	33	4
Sediments	Talamanca2	15/09/2019	17	698	42	14
Sediments	Talamanca2	04/08/2019	260	7809	30	4
Sediments	Talamanca2	03/07/2019	1	1	1	1
Sediments	Talamanca2	01/10/2019	141	5916	42	12
Sediments	Talamanca1	31/08/2019	14	245	18	0
Sediments	Talamanca1	16/07/2019	224	6707	30	5
Sediments	Talamanca1	15/10/2019	451	23442	52	8
Sediments	Talamanca1	15/09/2019	100	1604	16	2
Sediments	Talamanca1	04/08/2019	7	134	18	1
Sediments	Talamanca1	03/07/2019	133	7863	59	12
Sediments	Talamanca1	01/10/2019	18	565	31	7
Sediments	Daró2	30/08/2019	126	7943	63	13
Sediments	Daró2	30/06/2019	166	15742	95	29

Sediments	Daró2	16/07/2019	5	210	43	16
Sediments	Daró2	15/09/2019	160	9440	59	16
Sediments	Daró2	13/08/2019	310	27895	90	18
Sediments	Daró2	05/08/2019	72	6184	86	23
Sediments	Daró1	30/08/2019	154	11822	77	21
Sediments	Daró1	30/06/2019	370	39952	108	30
Sediments	Daró1	16/07/2019	43	2526	59	19
Sediments	Daró1	15/09/2019	1240	96755	78	19
Sediments	Daró1	13/08/2019	509	51939	102	28
Sediments	Daró1	05/08/2019	248	25996	105	24
AVERAGE BS			13813	17532	50	12

Table S2. Bulk sample method sequencing depths per sampling site and date.
Profundidad de secuenciación por sitio de muestreo y fecha para el método de ADN masivo

Method	Site	Date	average reads	total reads	n OTUs	n Species
Bulk Sample	Vallcebre2	04/08/2019	2731	79204	29	17
Bulk Sample	Vallcebre2	02/07/2019	1792	141541	79	44
Bulk Sample	Vallcebre1	04/08/2019	2790	147882	53	19
Bulk Sample	Vallcebre1	02/07/2019	1770	118574	67	27
Bulk Sample	Talamanca2	04/08/2019	2423	113863	47	17
Bulk Sample	Talamanca2	03/07/2019	743	75827	102	43
Bulk Sample	Talamanca2	01/10/2019	806	45938	57	18
Bulk Sample	Talamanca1	04/08/2019	2941	111772	38	17
Bulk Sample	Talamanca1	03/07/2019	648	60305	93	38
Bulk Sample	Talamanca1	01/10/2019	1082	68144	63	14
Bulk Sample	Daró2	30/08/2019	3236	165054	51	23
Bulk Sample	Daró2	30/06/2019	1609	170539	106	52
Bulk Sample	Daró2	05/08/2019	459	27089	59	30
Bulk Sample	Daró1	30/08/2019	3960	190064	48	15
Bulk Sample	Daró1	30/06/2019	2224	182398	82	39
Bulk Sample	Daró1	05/08/2019	3941	145832	37	16
AVERAGE BS			33156	115252	63	27

Figure S1. % READs per family. *Porcentaje de READs por familia*

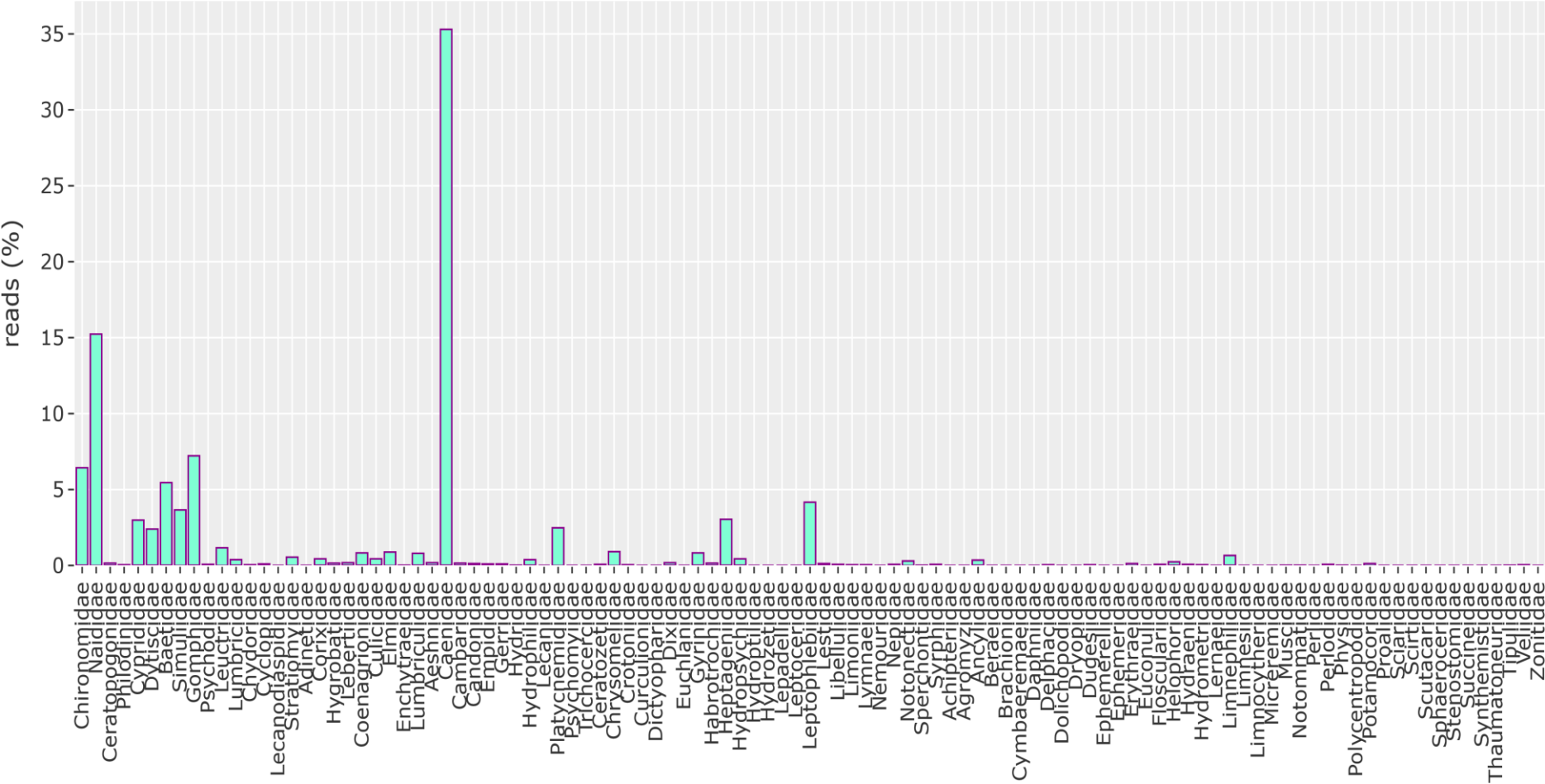


Figure S2. number of OTUs detected and number of species per family. The species are represented above each family in the graph. *Número de OTUs detectados y número de especies detectadas por familia. Las especies quedan representadas sobre la barra de cada familia en el gráfico.*

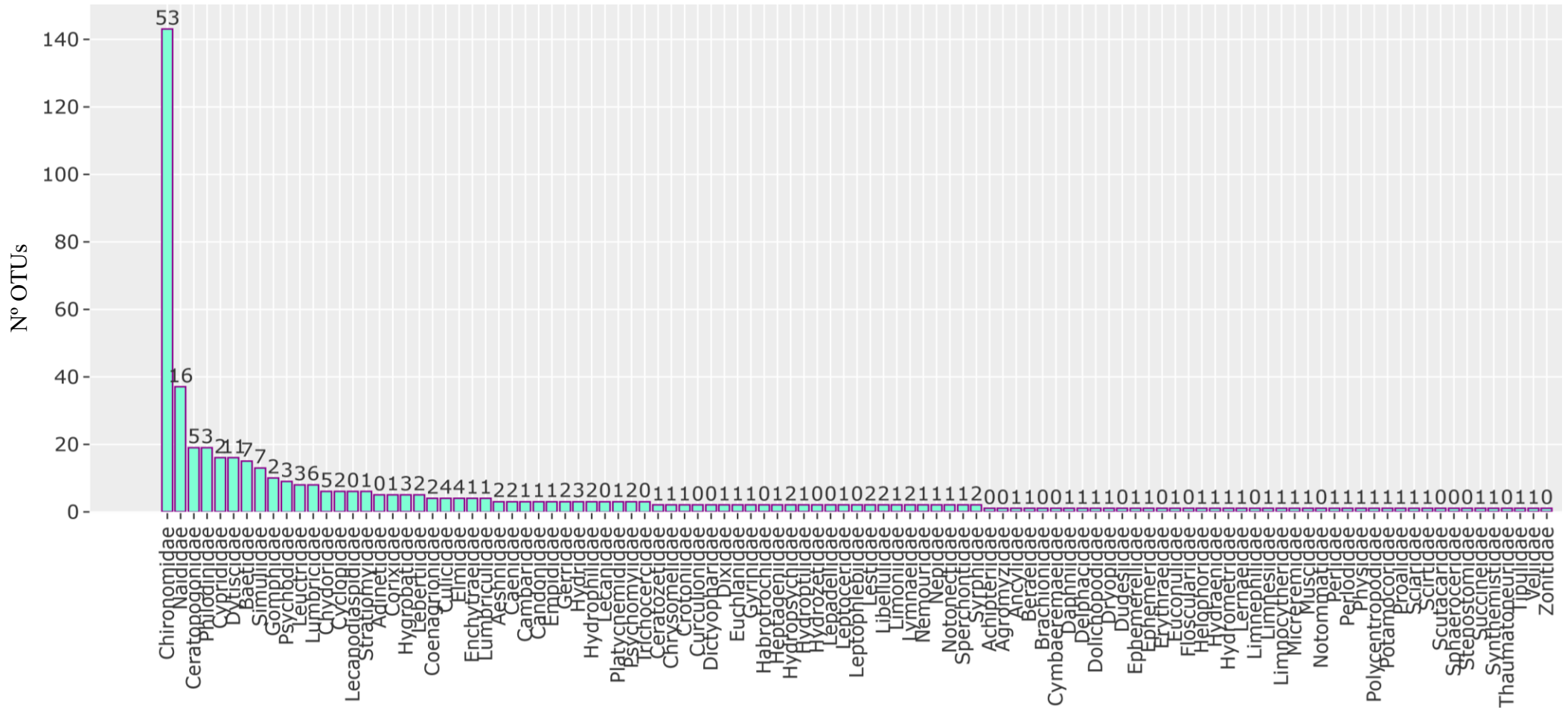


Figure S3. Community composition differences between the sediment and bulk sample methods. Samples collected on the 5th of August 2020 at three sampling points were selected (Daró 1, Talamanca 1, and Vallcebre 1). *Diferencias en la composición de la comunidad entre el eDNA de sedimentos y el ADN masivo. Representación de las muestras colectadas el 5 de agosto de 2020 en tres puntos de muestreo (Daró 1, Talamanca 1, y Vallcebre 1).*

