

Table S3. 16s dataset. Whole dataset including the 16s sequences taken from GenBank.

Sample code	Sampling area	Sampling site	Species	16s (GB #)	Reference
S. pavo	Tunisia	Tabarka	<i>S. pavo</i>	MH724846	Belaiba et al. [15]
S. basilisca	Tunisia	La Louza	<i>S. basilisca</i>	MH724844	Belaiba et al. [15]
SFGA1	Italy	Lake Garda	<i>S. fluviatilis</i>	MH724848	Belaiba et al. [15]
SFSI1	Italy	Frattina's torrent	<i>S. fluviatilis</i>	MH724847	Belaiba et al. [15]
SFPO1	Portugal	River Guadiana	<i>S. fluviatilis</i>	AY098843	Almada et al. [24]
SFSP1	Spain	Lake Banôles	<i>S. fluviatilis</i>	FJ465748	Almada et al. [8]
SFSP2	Spain	Lake Banôles	<i>S. fluviatilis</i>	FJ465747	Almada et al. [8]
SFCR1	Croatia	-	<i>S. fluviatilis</i>	FJ465746	Almada et al. [8]
SFSP3	Spain	River Noguera-Pallaresa	<i>S. fluviatilis</i>	FJ465745	Almada et al. [8]
SFSP4	Spain	River Matarraña	<i>S. fluviatilis</i>	FJ465744	Almada et al. [8]
SFSP5	Spain	River Verde	<i>S. fluviatilis</i>	FJ465743	Almada et al. [8]
SFTK1	Turkey	River Dalaman	<i>S. fluviatilis</i>	FJ465742	Almada et al. [8]
SFSP6	Spain	River Noguera-Pallaresa	<i>S. fluviatilis</i>	FJ465741	Almada et al. [8]
SFSP7	Spain	River Matarraña	<i>S. fluviatilis</i>	FJ465740	Almada et al. [8]
SFGR1	Greece	Lake Dojranis	<i>S. fluviatilis</i>	FJ465739	Almada et al. [8]
SFGR2	Greece	Lake Dojranis	<i>S. fluviatilis</i>	FJ465738	Almada et al. [8]
SAMA1	Morocco	River Overrrha	<i>S. atlantica</i>	FJ465737	Almada et al. [8]
SAMA2	Morocco	River Overrrha	<i>S. atlantica</i>	FJ465736	Almada et al. [8]
SFSP8	Spain	River Zujar	<i>S. fluviatilis</i>	FJ465734	Almada et al. [8]
SFSP9	Spain	River Zujar	<i>S. fluviatilis</i>	FJ465732	Almada et al. [8]
SFTK2	Turkey	Lake Iznik	<i>S. fluviatilis</i>	FJ465731	Almada et al. [8]
SFSP10	Spain	Lake Calahorra	<i>S. fluviatilis</i>	FJ465730	Almada et al. [8]
SFGR3	Greece	River Miras	<i>S. fluviatilis</i>	FJ465729	Almada et al. [8]
SFSP11	Spain	River Esteras	<i>S. fluviatilis</i>	FJ465728	Almada et al. [8]
SFTK3	Turkey	River Ilıca	<i>S. fluviatilis</i>	FJ465727	Almada et al. [8]
SFSP12	Spain	Lake Calahorra	<i>S. fluviatilis</i>	FJ465726	Almada et al. [8]
SFGR4	Greece	River Miras	<i>S. fluviatilis</i>	FJ465725	Almada et al. [8]
SFSP13	Spain	River Verde	<i>S. fluviatilis</i>	FJ465724	Almada et al. [8]
SFTK4	Turkey	River Çatk t	<i>S. fluviatilis</i>	FJ465723	Almada et al. [8]
SFIS1	Israel	-	<i>S. fluviatilis</i>	FJ465722	Almada et al. [8]
SFIS2	Israel	-	<i>S. fluviatilis</i>	FJ465718	Almada et al. [8]
SEGR1	Greece	Lake Trichonis	<i>S. economidis</i>	FJ465735	Almada et al. [8]
SEGR2	Greece	Lake Trichonis	<i>S. economidis</i>	FJ465733	Almada et al. [8]