

**Supplementary table 5.**

Results of a two-way ANOVAs testing the effect of dispersal treatment, source pool and their interaction at the early and late rewetted sampling

	Dispersal rate		Source		Dispersal rate * source	
	F	p-value	F	p-value	F	p-value
<i>Early rewetted sampling</i>						
<b>Rewetting tolerant OTUs</b>	0.3443	ns	5.762	**	0.1039	ns
<b>Rewetting sensitive OTUs</b>	22.4	***	1.224	ns	0.9276	ns
<b>Rewetting opportunistic OTUs</b>	10.86	**	3.451	.	0.2042	ns
<b>Specific respiration</b>	4.422	*	0.5181	ns	0.3225	ns
<i>Late rewetted sampling</i>						
<b>Rewetting tolerant OTUs</b>	0.0771	ns	15.88	***	0.1675	ns
<b>Rewetting sensitive OTUs</b>	13.30	***	2.536	.	1.151	ns
<b>Rewetting opportunistic OTUs</b>	12.56	***	64.86	***	0.5462	ns
<b>Specific respiration</b>	1.162	ns	4.974	*	0.4660	ns