

**Table S1:** Analysis of chemical compounds measured in spring waters from Sippenauer Moor (SM) and Mühlbacher Schwefelquelle (MSI). Data taken from Rudolph et al., 2004.

Chemical compound	SM (compound in mg/l)	MSI (compound in mg/l)
SO <sub>4</sub> <sup>2-</sup>	31	16
S <sub>2</sub> O <sub>3</sub> <sup>2-</sup>	16	14
SO <sub>3</sub> <sup>-</sup>	<1	<1
NO <sub>3</sub> <sup>-</sup>	<1	<1
NO <sub>2</sub> <sup>-</sup>	<0.02	<0.02
NH <sub>4</sub> <sup>+</sup>	0.13	0.33
Na <sup>+</sup>	14	21
Cl <sup>-</sup>	13	22
PO <sub>4</sub> <sup>3-</sup>	<0.05	<0.05
Ca <sup>2+</sup>	67	79
Mg <sup>2+</sup>	20	27
K <sup>+</sup>	3.0	6.1
Mn	0.019	0.081
Ni	<0.01	<0.01
As	<0.002	<0.002
Al	<0.05	<0.05
Sb	<0.003	<0.003
B	0.10	0.13
Cu	<0.005	<0.005
Se	<0.003	<0.003
Zn	<0.05	<0.05
Fe	0.025	0.021
CO <sub>2</sub> , dissolved	19	32