

**Supporting Information 1 Appendix**

**Mucosome and secretions *Bd* and *Bsal* zoospore assay results**

**Table A. *Bsal* zoospore survival (%) versus mucosomes of salamanders and newts.**

Captive fire salamanders	Alpine newt	Fire belly newt	Palmate newt	Wild fire salamanders
88.07	42.88	73.23	34.10	81.23
90.74	24.96	63.39	24.26	87.68
97.73	28.64	58.58	14.65	91.43
95.68	14.29	38.90	14.65	87.13
64.81	14.29	58.58	19.52	100
63.58	10.72	38.90	19.52	70.95
73.66	35.68			49.88
60.08	7.99			74.85
				62.46
				37.43
				86.19
				68.33
				62.46
				62.46
				45.71

**Table B. *Bsal* zoospore survival (%) in the presence of treated and untreated fire salamander skin secretions and alpine newt mucosomes.** Treatments include; denaturation of proteins with GluC Endoproteinase and removal of small molecules (<50kD) through dialysis.

Fire salamander	Untreated Secretions	Endoproteinase	Dialysis 50kD
	12.03	57.52	12.03
	21.65	81.58	19.17
	2.41	79.32	31.28
Alpine newt	Untreated Mucosome	Endoprotienase	Dialysis 50kD
	31.37	93.24	20.71
	37.65	100	51.78
	37.65	72.16	31.07

**Table C. Fire salamander secretions and mucosome killing activity versus *Bd* and *Bsal* zoospores.**

Secretions		Mucosome	
<i>Bsal</i>	<i>Bd</i>	<i>Bsal</i>	<i>Bd</i>
0	12.50	67.92	29.88
10	20.70	92.12	42.32
0	33.20	92.12	53.94
10	8.32	56.10	44.81
10	0	84.98	60.17
20	0	60.09	44.81
10	0	80.05	43.98
0	0	54.93	43.98

