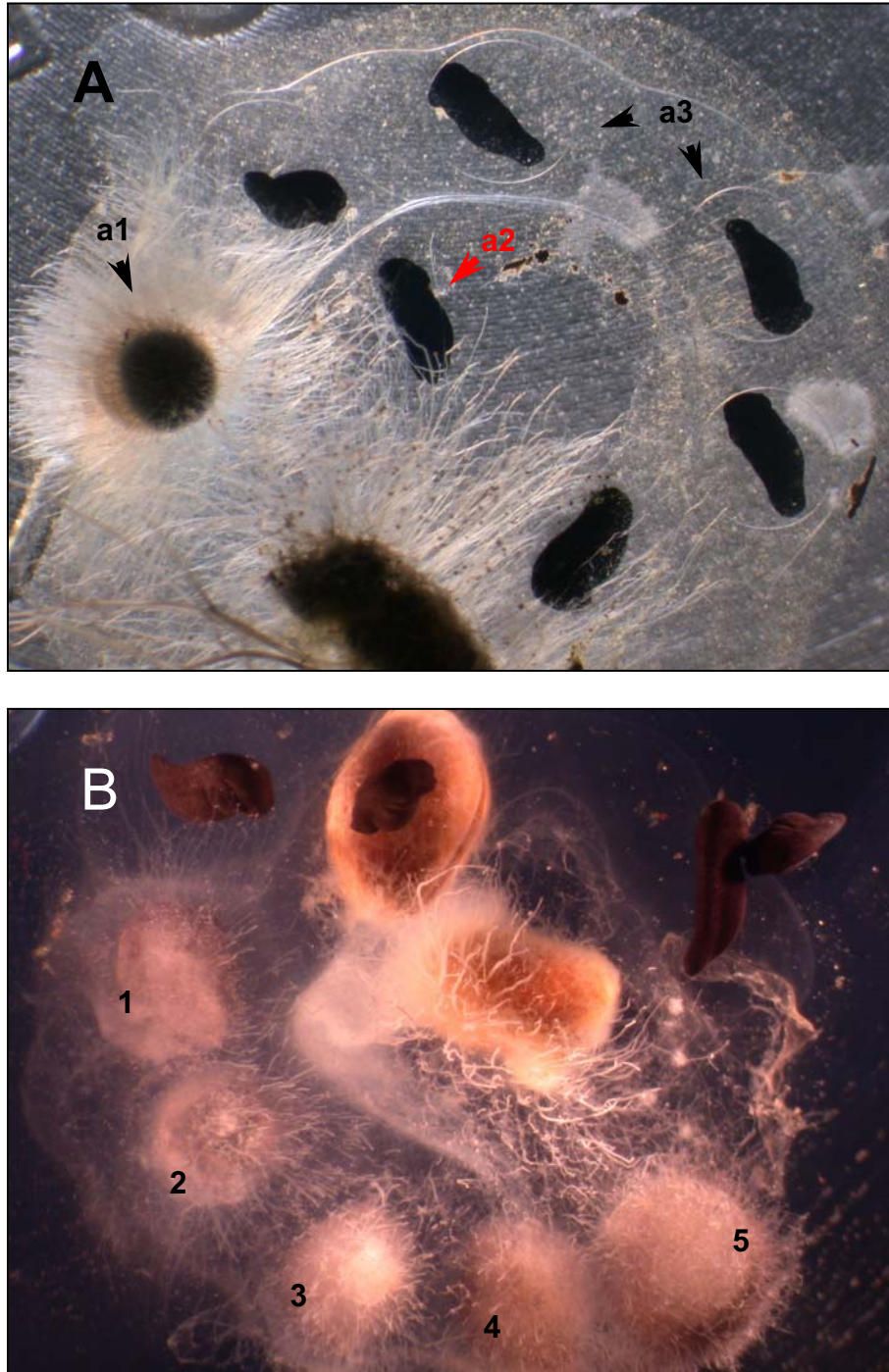
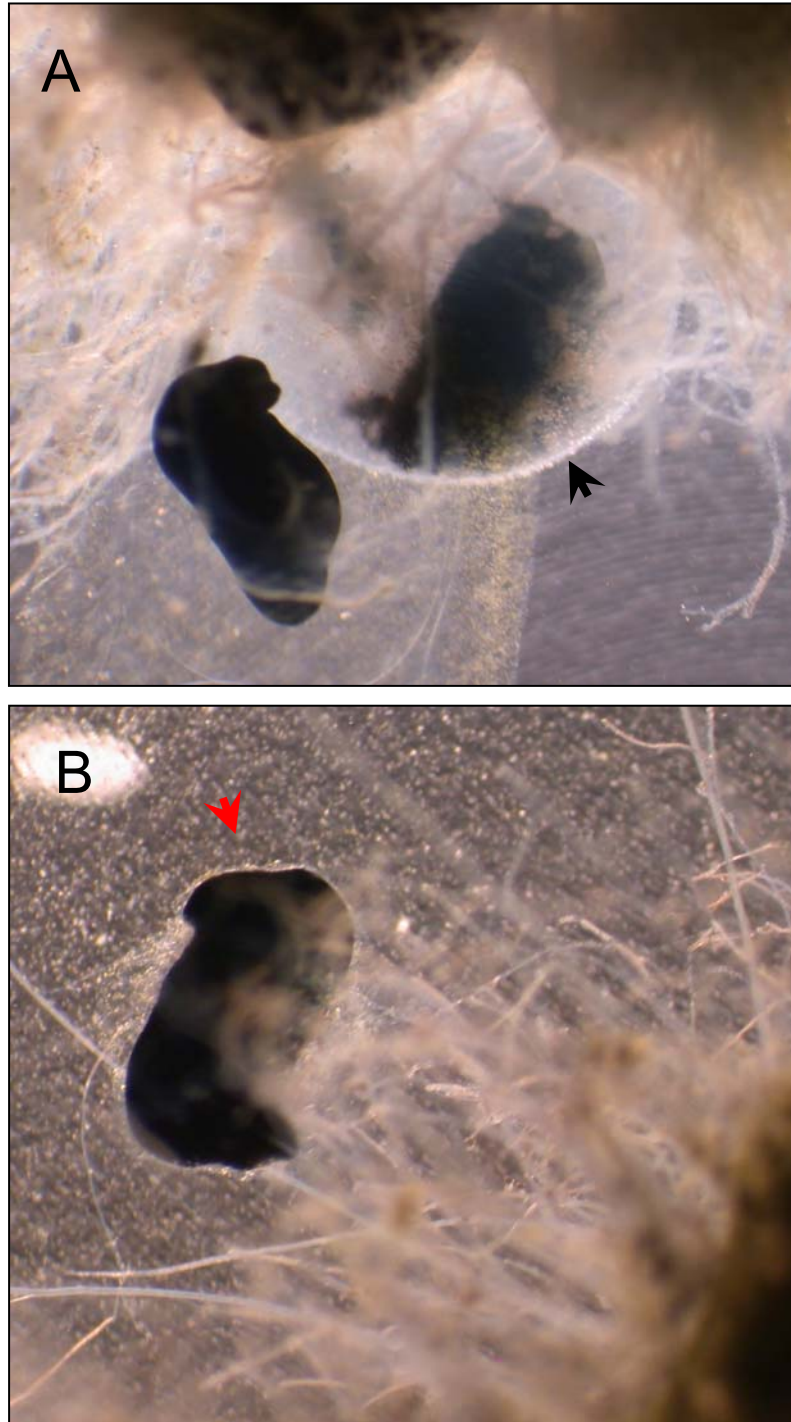


APPENDIX FIGURE 1.



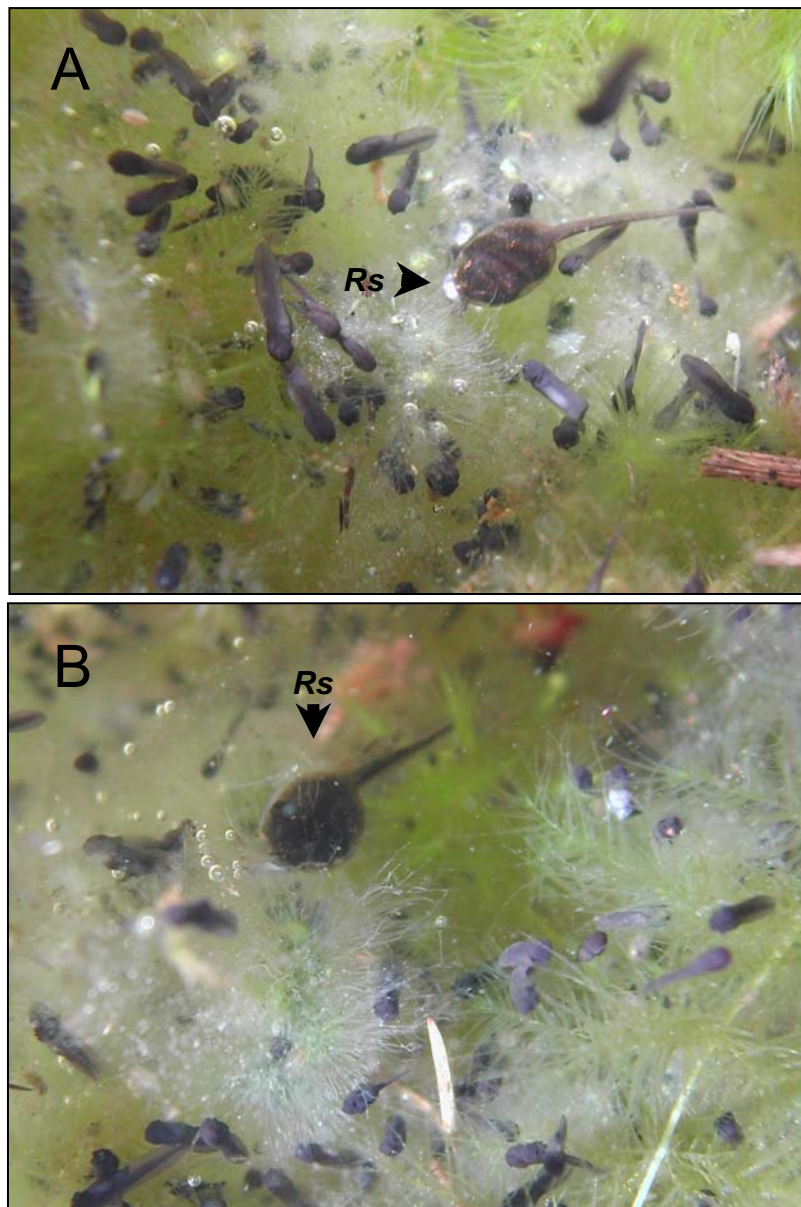
APPENDIX FIGURE 2.



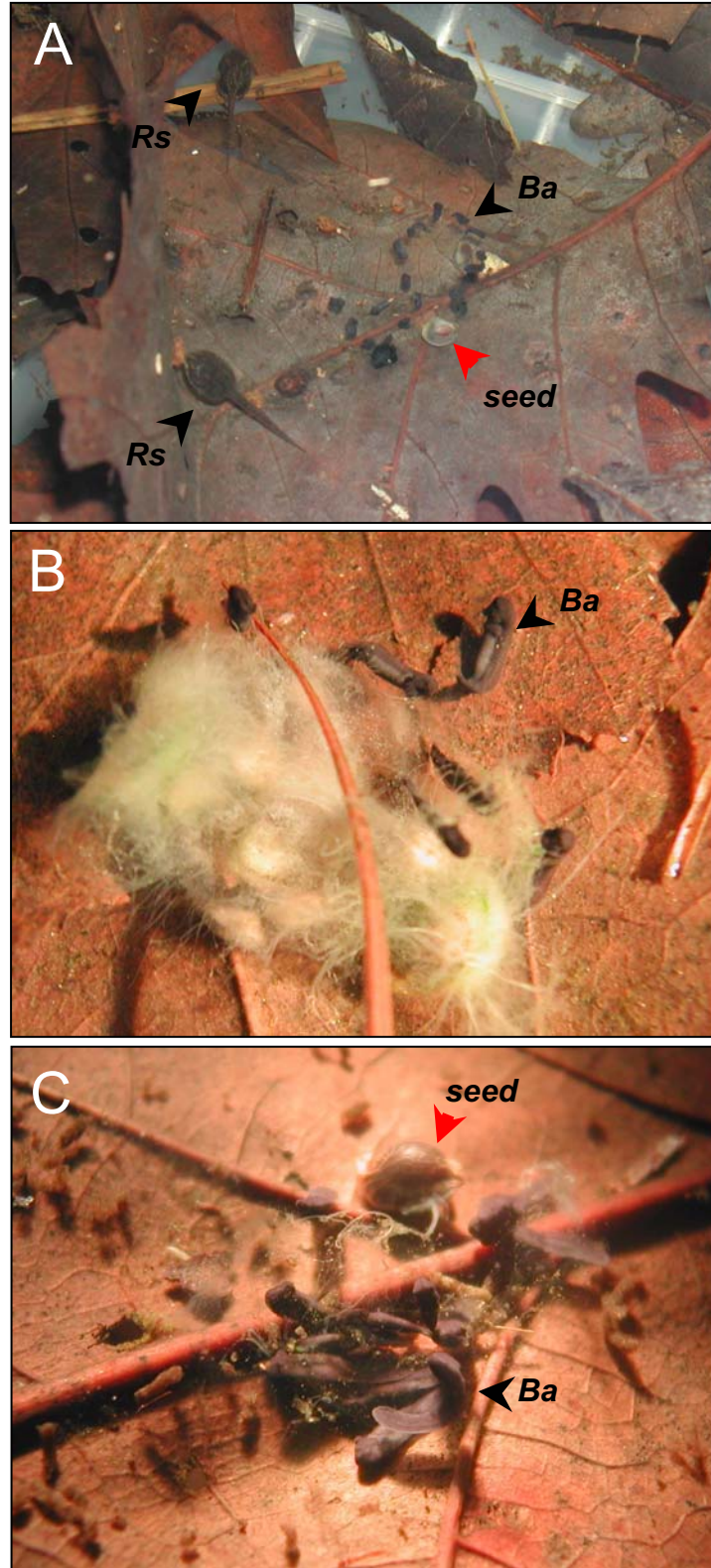
APPENDIX FIGURE 3.



APPENDIX FIGURE 4.



APPENDIX FIGURE 5.



APPENDIX FIGURE 6.

APPENDIX I FIGURE LEGENDS

Figure 1. Spotted salamander (*Ambystoma maculatum*), Wood frog (*Rana sylvatica*), and American toad (*Bufo americanus*) adults and egg clutches. Note differences in the thickness of the jelly coat surrounding the egg capsules.

Figure 2. *Bufo americanus* eggs inoculated with water mold in the laboratory. Individual eggs infected before they were hatching competent (A.a1; B 1-5) were killed inside their capsules and became new foci of infection. Embryos early in the tail bud stage hatched precociously after contact with mold hyphae (A.a2). Embryos out of hyphal reach showed no induced early hatching (a3).

Figure 3. *Bufo americanus* embryos killed by and escaping from water mold. (A) Embryo killed inside intact capsule. Hyphal penetration did not degrade the capsule or release its turgidity. (B) Embryo hatching from deflated, degrading capsule. This presumably enzymatic process was similar with and without mold infection.

Figure 4. Mold growing on the surface of an *Ambystoma maculatum* clutch. Hyphae spreading from infected seeds penetrated the jelly coat only superficially, and did not reach the eggs.

Figure 5. *Rana sylvatica* tadpoles feeding on water mold growing on *Bufo americanus* clutches in ponds in Lynn Woods, MA.

Figure 6. Laboratory experiment testing the effect of *Rana sylvatica* tadpoles on *Bufo americanus* hatching success in the presence of water mold. (A) *R. sylvatica* tadpoles (*R*s) with healthy *B. americanus* embryos (*B*a) in a mold inoculation treatment. The initially mold-bearing seed is in contact with the eggs, but embryos are uninfected. (B)

Heavy mold infection of *B. americanus* eggs in a replicate without *R. sylvatica*. (C) Close up of *B. americanus* eggs and an initially mold-bearing seed in a treatment with *R. sylvatica*. No mold hyphae are visible and the embryos are developing normally.