

Additional file 1: Study system and model species



Additional Figure 1 Korannaberg mountain is a sandstone inselberg (top picture) in the Eastern Free State province in South Africa. On top of the inselberg, a number of basins have eroded that can temporarily hold water after rainfall until they dry-out due to evaporation (middle picture). Despite their temporary nature, these aquatic ecosystems are inhabited by a number of zooplankton species among which the fairy shrimp *Branchipodopsis wolfi* is most prevalent (bottom picture left, animal size: $\pm 2\text{cm}$). Like many zooplankton species *B. wolfi* females produce drought resistant dormant eggs to bridge dry phases of their habitat (bottom picture right, egg size: $\pm 200\mu\text{m}$).