***Supplemental Materials***

**File S1.** Supporting Information and Figures S1–S3

**File S2.** Supplemental Tables S1–S7

**File S3.** Compressed folder containing the variant calls that survived filtration from each of the three variant callers (GATK, Freebayes and Delly), in VCF format.

**File S4.** *Dictyostelium discoideum*gene annotations downloaded from NCBI on 10-25-19