



## Supporting information

**S1 Fig. Schematic setup for Single Cell Force Spectroscopy (SCFS).** SCFS involves repeated cycles of approach and retraction of a cantilever-attached *Dictyostelium* cell (inset, bottom, and scheme top left), resulting in force-distance (FD) curves (top right). These FD curves can be used to determine  $F_{max}$  and  $W_{adh}$ . For further details, see Methods.