

## Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: **Interaction between two cells bearing TraA-mCherry.** Time interval between frames was 30 sec. The corresponding image series are shown in Fig. 2A.

File Name: Supplementary Movie 2

Description: **Transfer of SSOM-GFP between two kin cells.** The donor cell (right) and the recipient cell (left) harbor compatible TraA. Time interval between frames was 45 sec. Corresponding images are shown in Fig. 5A.

File Name: Supplementary Movie 3

Description: **A working model of how a fluid cell surface receptor recognizes and assembles kin cells into a tissue.**