

Figure S15

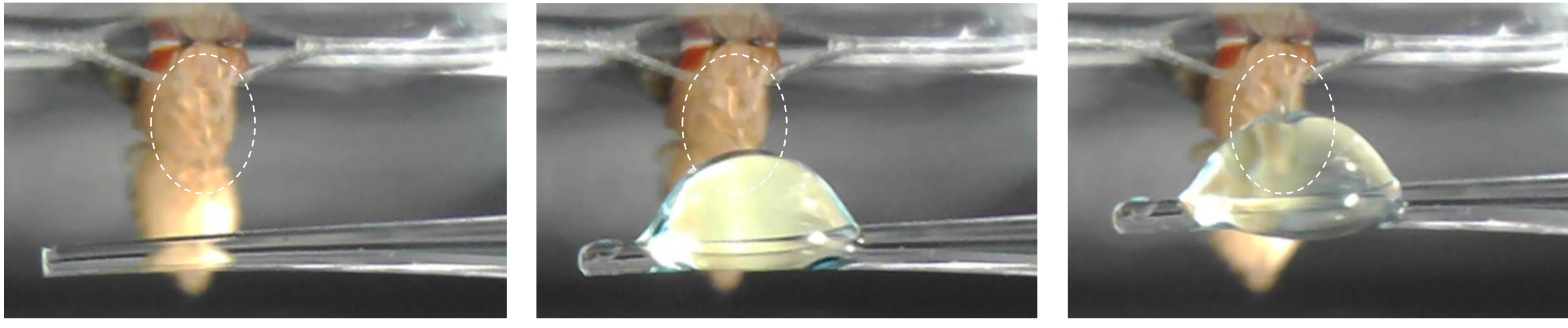


Figure S15. Visualizing food consumption bouts during the *in vivo* calcium imaging.

A digital camera was installed underneath the imaging stage to image flies' feeding bouts at 0.5 frame per second. (*left*) Before the liquid food was delivered, the fly's proboscis was retrieved. (*middle*) Liquid food was delivered by the capillary. (*right*) The fly extended its proboscis (in the dashed circle) and started food consumption. The actual flow of the food through flies' pharynx could also be visualized by the addition of a blue dye in the food. Virgin females were used for all experiments shown in this figure.