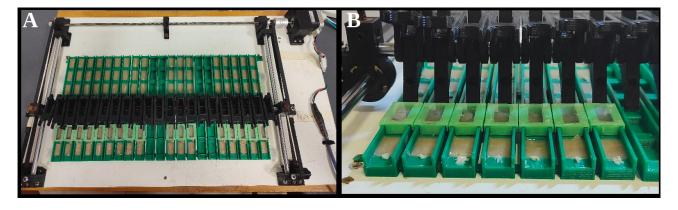
SUPPLEMENTARY INFORMATION

A DN3 DN2
LPN Sth LNV
I-LNV
S-LNV
OVIIN

C
OVIIN_R
OVIIN_L

PN4.

Supplementary Figure S1. Direct synaptic connections between LPN and oviposition-related neurons in the hemibrain dataset. A: Scheme showing the neurons analyzed (in color). B: Connection between LPN and oviIN neurons. C: Network representation of the connectivity between these neurons. Numbers give the number of synaptic contacts, which represent the strength of the connections. Only intermediate (between 3 and 9 synaptic contacts) and strong (>9 synaptic contacts) connections are considered.



Supplementary Figure S2. Oviposition device. A: View from above. The white square is the wooden base to which there are two bars attached that hold the mechanical arm (in black), moved by a stepper motor (black box in the upper left corner). The arm shifts forward (downward in the picture) each fly chamber (light green box) from one well to the next. B: Detail of the tracks (dark green) holding the fly chambers, and the food wells filled with banana medium (brown) and a drop of yeast (white).