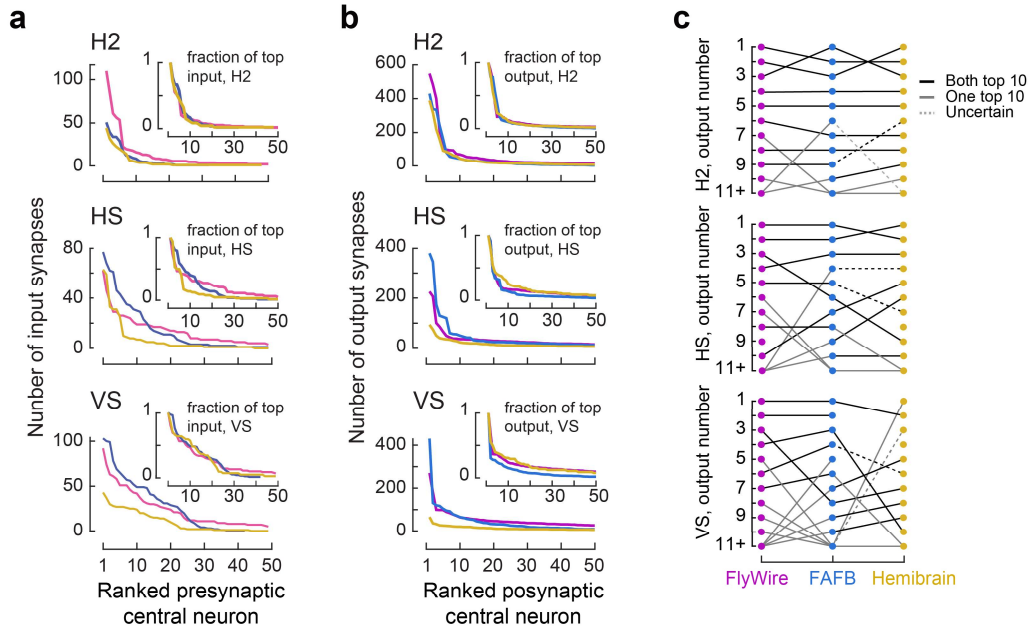
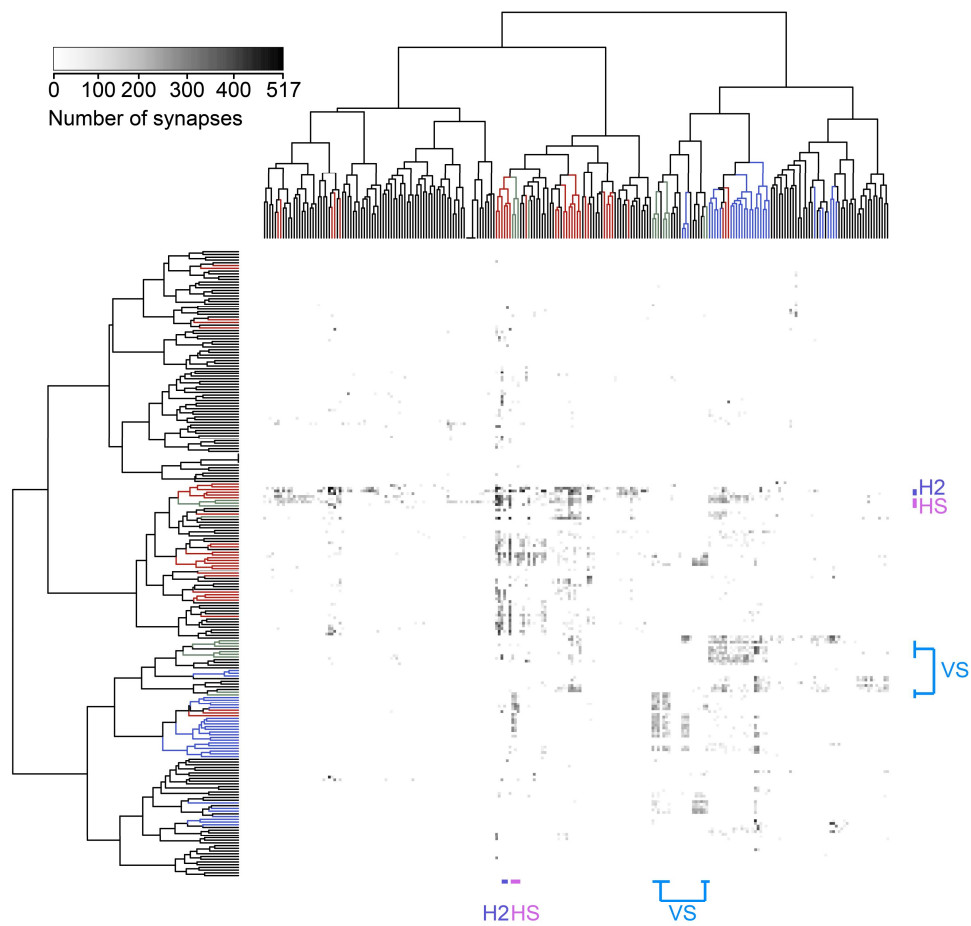

A competitive disinhibitory network for robust optic flow processing in *Drosophila*

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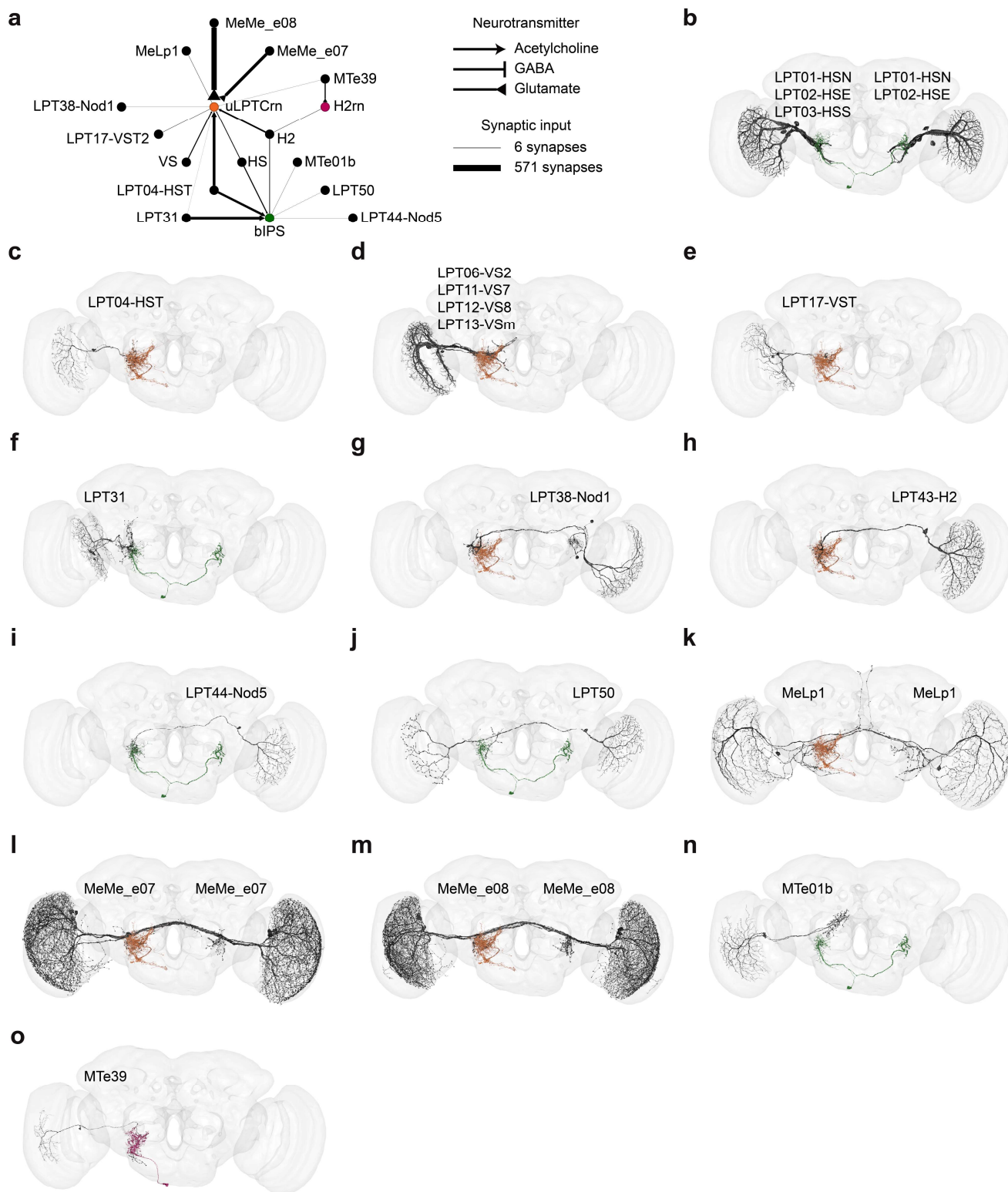


Supplementary Figure 1: LPTs have few strong, and many weak synaptic partners.

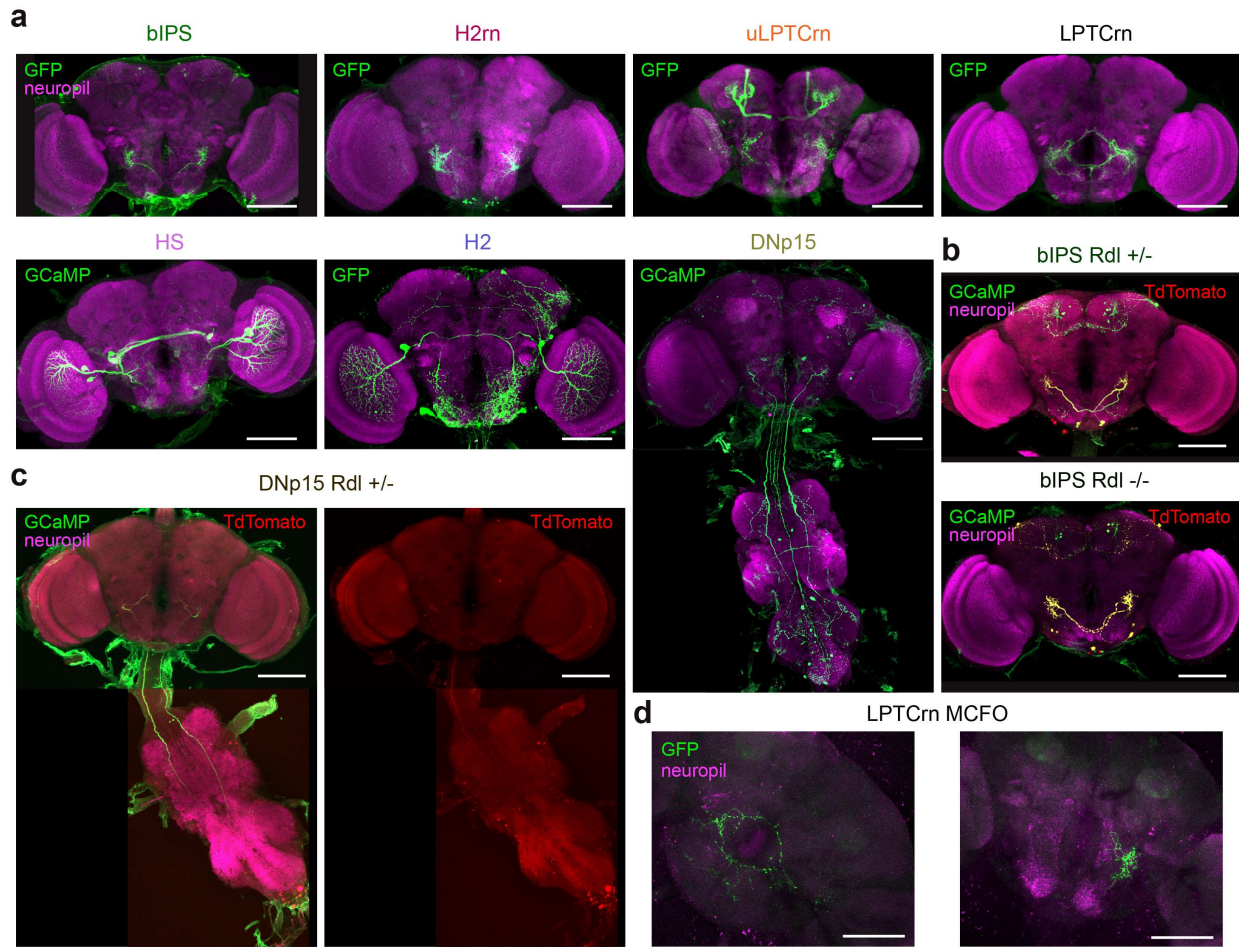
a) Number of inputs H2 (top), HS (middle), and VS (bottom) cells receive from central neurons. Presynaptic central neurons are ranked from strongest to weakest input defined by number of synapses. Colors indicate the EM dataset. Inset shows the number of inputs normalized by the strongest input cell. **b)** same as **(a)**, but for LPT outputs ranked based on number of synapses from LPT to postsynaptic cells. **c)** Pairwise matching of the strongest outputs from H2, HS ($n=3$) and VS ($n=8$) across EM datasets. Cells are ordered by the total number of inputs they receive from each LPT class. Matching is primarily based on cell anatomy and aided by synaptic connectivity. Black lines represent matches where both pairs are within the top 10 strongest outputs in their respective EM datasets. Gray lines indicate that only one of the pairs is within the top 10. Dashed lines indicate uncertain matching due to the incomplete segmentation in Hemibrain. See **Supplementary Table 1** for cell identities.



Supplementary Figure 2: Connectivity matrix structure remains stable without synaptic thresholds. Pairwise synaptic connectivity matrix for HS, H2, VS cells, and their central brain partners (232 neurons total), without applying connectivity strength thresholds. Grayscale indicates synaptic connections between pairs. The dendrogram shows hierarchical clustering (see **Methods**), with colored lines denoting clusters corresponding to those in **Figure 2a**. The locations of HS, H2 and VS cells within the matrix are highlighted.

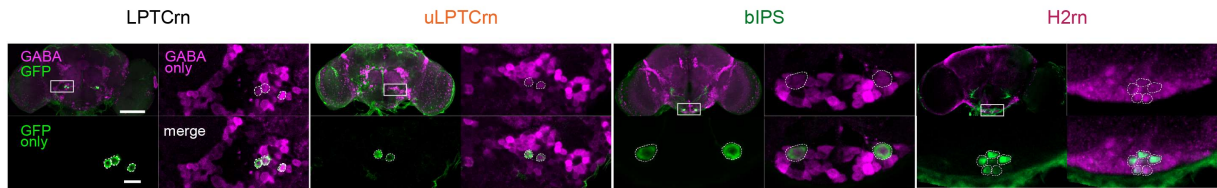
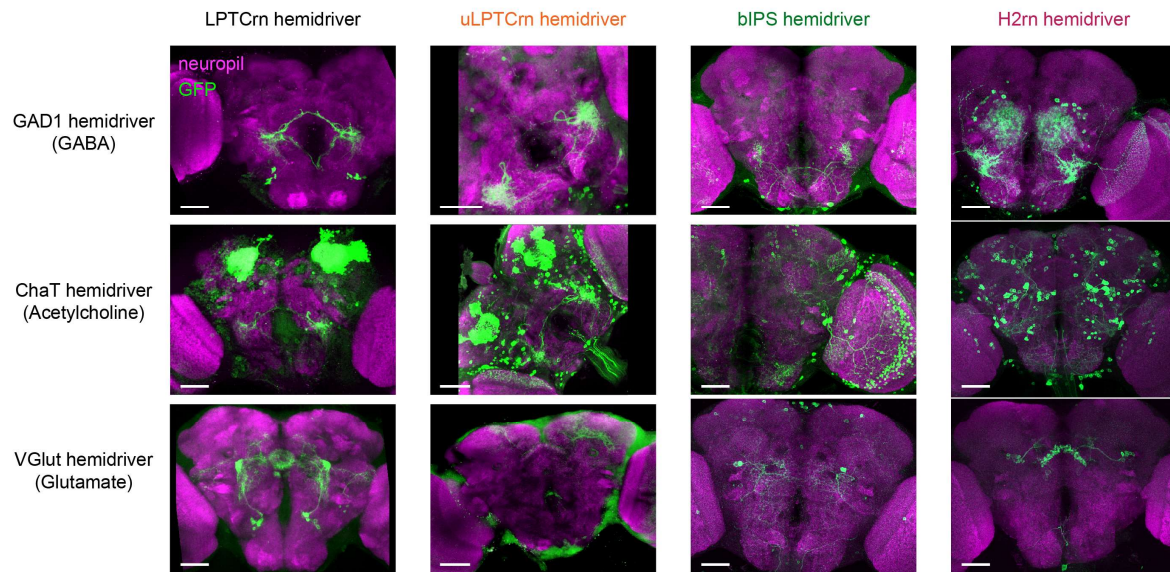


Supplementary Figure 3: Visual inputs of the H2-HS network interneurons. **a)** Connectivity diagram showing optic lobe neurons upstream of uLPTCrn, bIPS and H2rn cells. Nodes represent individual or several neurons grouped by cell type. Arrow thickness indicates synapse number; arrow shape indicates predicted neurotransmitter. **b-o)** Anatomy of the input neurons (black) alongside their strongest downstream target (colored) from FlyWire. LPT nomenclature from Zhao et al.²⁰, remaining input neuron nomenclature from Schlegel et al.⁷¹

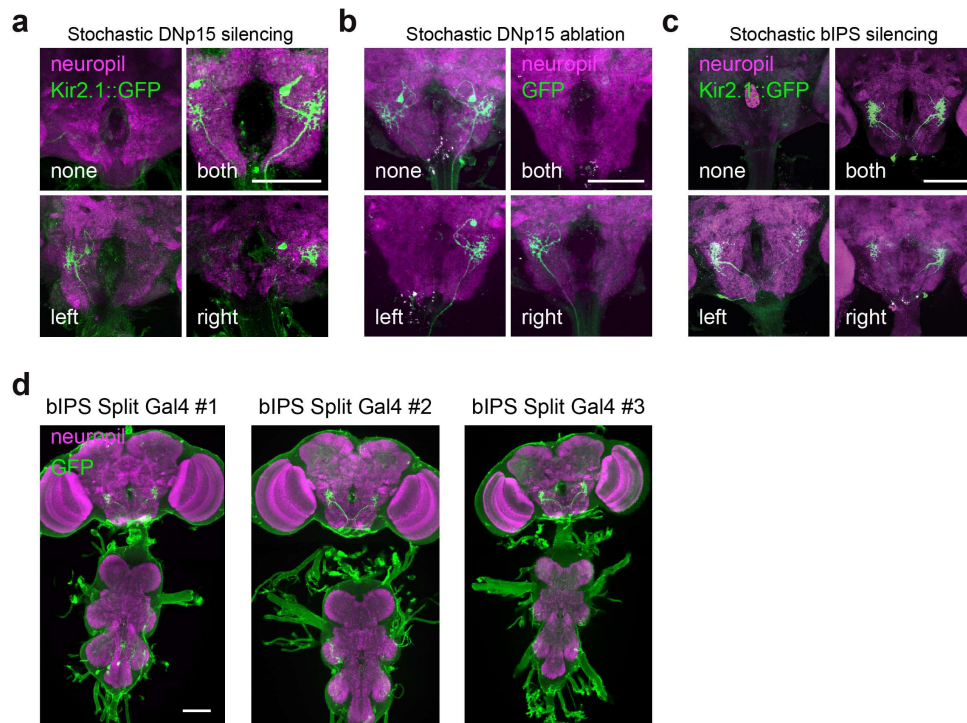


Supplementary Figure 4: Transgenic lines used to target H2-HS network neurons.

a) Maximum intensity projections of transgenic lines labeling H2-HS network neurons. Neuropil (nc82) staining is shown in magenta, membrane targeted GFP (mCD8-GFP) or cytoplasmic GCaMP expression is shown in green. **b)** Transgenic lines that are heterozygous (top) or homozygous (bottom) mutants for Rdl in bIPS neurons. Neuropil staining is shown in magenta, cytoplasmic GCaMP expression in green, and TdTomato, indicating successful Rdl gene disruption via FLP-Stop cassette, is shown in red. Note that one copy of Rdl-FlpStop transgene is sufficient for TdTomato expression in bIPS. **c)** Same as **(b)**, but for heterozygous Rdl mutants in DNp15 neurons. **d)** Single-cell labeling using Multicolor FLPOut (MCFO) reveals that the LPTCrn-Split Gal4 line includes both cLPTCrn (left) and uLPTCrn (right) neurons. Scale bars for all panels: 100 μ m. See **Supplementary Table 3** for the full list of transgenic lines.

a**b**

Supplementary Figure 5: Central LPT input neurons are GABAergic. a) Confocal images showing GABA and GFP immunoreactivity in LPTCrn cell bodies, outlined by dashed circles. Scale bar: 100 μ m for full brain images and 10 μ m for insets. **b)** Reconstitution of LPTCrn expression by genetic intersection between LPTCrn hemidrivs (columns) and GAD1 (top), ChaT (middle), or Vglut hemidrivs (bottom). Membrane-targeted GFP expression is shown in green, neuropil (nc82) staining is shown in magenta. Scale bar: 50 μ m. Note the strong expression of each cell type under GAD1 hemidriver and weak to no expression under ChaT and VGlut hemidrivs. A complete list of the genotypes can be found in **Supplementary Table 3**.



Supplementary Figure 6: Transgenic lines used in behavioral experiments. **a)** Posterior view of example fly brains showing stochastic expression of Kir2.1::GFP in none, both, left or right DNP15 cells. **b)** Example fly brains with stochastic ablation of none, both, left or right DNP15 neurons by conditional expression of Ricin-A. In contrast to **(a)**, surviving cells are labeled with membrane-bound GFP. **c)** Same as **(a)**, but for bIPS neurons. **d)** Posterior view of maximal projection stacks of three different Split-Gal4 lines labeling bIPS. Scale bars in all panels, 100 μ m. See **Supplementary Table 3** for the full list of genotypes.

Supplementary Table 1: Cross-matching of LPT cell outputs across EM dataset

H2 Output Cells	FlyWire rank	FAFB rank	Hemibrain rank
PS047	3	1	3
VCH	1	2	2
DCH	2	3	1
DNp15	4	4	4
bIPS	5	5	5
CNMNx	34	6	11*
DNb03	6	7	7
DNb03	8	8	8
DNg41	9	9	6*
uLPTCrn	11	10	9
PS126	10	12	28
PS099	7	31	48
PS081	14	16	10
HS Output Cells	FlyWire rank	FAFB rank	Hemibrain rank
bIPS	1	1	2
DNp15	2	2	1
PS047	4	3	3
CNMNx	21	4	4*
VCNMN	5	5	7*
DNa02	3	6	9
uLPTCrn	10	7	5
IVLPT8	8	8	35
uLPTCrn	16	9	6
uLPTCrn	13	10	10
PLP195	6	11	29
DNg75	7	26	
DNa04			8
VS Output Cells	FlyWire rank	FAFB rank	Hemibrain rank
DNp20	1	1	2
DNb06	2	2	
cLPTCrn	4	3	10
CNMN6	6	4	6
CNMN7	31	5	
cLPTCrn	7	6	20
uLPTCrn	40	7	5
PS126	3	8	7
S-Neuron	45	9	8
S-Neuron	38	10	9
DNge043	5	48	3
DNp22	8	70	
PS135	9	37	1
cLPTCrn	10	12	16
PS169	48		4

* Uncertain matching due to incomplete hemibrain skeleton

Supplementary Table 2: List of neurons within the LPT cell central brain network

#	FAFB ID	FlyWire segment ID	FlyWire soma location	Hemibrain ID	Hemi-brain cell type	FlyWire tracing contributions
1	Right uLPTCrn 2918805 PG ME	720575940628599516	114786, 73911, 1623		PS070-PS074	Reiser Lab: Sanna Koskela (7). Jefferis Lab: Laia Serratos (2), Siqi Fang (1), Arti Yadav (1). Murthy and Seung Labs: Christa Baker (3).
2	Right uLPTCrn 11965240 ME	720575940631296543	113632, 74374, 1687		PS070-PS074	Jefferis Lab: Laia Serratos (4), Irene Salgarella (1). Wilson Lab: Quinn Vanderbeck (2). Murthy and Seung Labs: Christa Baker (1).
3	Right DNg41 15463855 MB	720575940617611643	99290, 75988, 3794	5813024629 *		Murthy and Seung Labs: Nash Hadjerol (11), James Hebditch (5). Jefferis and Wilson Labs: Laia Serratos Capdevila (2). Reiser Lab: Alex Thomson (1). Jefferis Lab: Arti Yadav (1).
4	Right uLPTCrn 2549438 ME	720575940631333955	109930, 75338, 1666		PS070-PS074	Jefferis Lab: Dharini Sapkal (10), Chitra Nair (3). Laia Serratos (2). Murthy and Seung Labs: Kendrick Joules Vinson (6), Mendell Lopez (2), J. Anthony Ocho (2), Christa Baker (1).
5	Right uLPTCrn 2544668 ME	720575940612144047	112472, 73317, 1957		PS070-PS074	Murthy Lab: Christa Baker (2). Jefferis Lab: Irene Salgarella (1).
6	GNG neuron 2948699 ME	720575940648969337	121455, 91088, 2979			Murthy and Seung Labs: Ryan Willie (9), Joshua Bañez (2), James Hebditch (1). Jefferis Lab: Paul Brooks (1), Rashmita Rana (1).
7	DCH neuron (right) 1077175 ZSG-GA	720575940636933751	131955, 53517, 1223	1466485353	DCH	Murthy and Seung Labs: Alvin Josh Mandahay (16), Kyle Patrick Willie (10), Ryan Willie (8), Doug Bland (8), Joshua Bañez (6), John David Asis (3), Zairene Lenizo (2), Chereb Martinez (2), Philip Lenard Ampo (2), Austin T. Burke (1), Shaina Mae Monungolh (1), Darrel Jay Akiatan (1), J. Anthony Ocho (1), Ben Silverman (1), Rey Adrian Candilada (1), Daril Bautista (1), Allien Mae Gogo (1), Janice Salocot (1). EyeWire: Krzysztof Kruk (50). Jefferis Lab: Laia Serratos (9), Yijie Yin (3), Anjali Pandey (1). Chiappe Lab: Margarida Brotas (10). Reiser Lab: Sanna Koskela (8).
8	VCH neuron (right) 1078536 GA-ZSG	720575940627138562	134785, 53191, 958	5813024201	VCH	Murthy and Seung Labs: Allien Mae Gogo (5), John David Asis (3), Jansen Seguido (3), Jay Gager (1), James Hebditch (1), Mendell Lopez (1), Remer Tancontian (1), Nash Hadjerol (1), Chereb Martinez (1), Rey Adrian Candilada (1), Alvin Josh Mandahay (1). EyeWire: Krzysztof Kruk (7). Borst Lab: Amalia Braun (2). Jefferis Lab: Laia Serratos (1).
9	Putative CNMN 5218081 ME	720575940622008560	105319, 78004, 4717	2180780757 *		Jefferis Lab: Siqi Fang (69), Arti Yadav (10), Paul Brooks (3), Dharini Sapkal (2), Yashvi Patel (2), Kaushik Parmar (2), Zeba Vohra (1). Murthy and Seung Labs: Jay Gager (16), Ryan Willie (6), Claire McKellar (2), Austin T. Burke (1). Reiser Lab: Alex Thomson (5). Jefferis and Wilson Labs: Laia Serratos Capdevila (4). Citizen scientist: Wes Murfin (1).
10	VCN002 DB	720575940635776760	124703, 91385, 3579	2428058771 *		Jefferis Lab: Paul Brooks (35), Siqi Fang (33), Laia Serratos (1), Itisha Joshi (1). Murthy and Seung Labs: Shirleyjoy

						Serona (24), Kyle Patrick Willie (2), Ben Silverman (1), Austin T. Burke (1), Jay Gager (1). Seeds and Jefferis Labs: Katharina Eichler (13). Wilson and Jefferis Labs: Laia Serratosa Capdevila (2).
11	DNa02_AL	720575940629327659	101150, 42526, 2117	1140245595	DNa02	Jefferis and Waddell Labs: Joseph Hsu (32). Jefferis Lab: Kaushik Parmar (8), Itisha Joshi (6), Varun Sane (4), Laia Serratosa (2), Imaan Tamimi (2), Dharini Sapkal (2), Arti Yadav (1), Greg Jefferis (1). Wilson Lab: Quinn Vanderbeck (17), Tatsuo Okubo (1). Murthy and Seung Labs: Kyle Patrick Willie (5), Clyde (3). Austin T. Burke (1), Michelle Pantujan (1), J. Anthony Ocho (1). Reiser Lab: Sanna Koskela (8). Seeds Hampel Lab: Fabianna Szorenyi (1). Chiappe Lab: Margarida Brotas (1).
12	neuron 7828867 BG	720575940621564329	104740, 50998, 5510		PLP195	Murthy and Seung Labs: Shirleyjoy Serona (2), James Hebditch (1), Shaina Mae Monungolh (1), Nash Hadjerol (1). Jefferis Lab: Rashmita Rana (1)
13	DNg75 999559 ME	720575940614730914	105915, 76095, 4569	1874217622 *		Jefferis Lab: Laia Serratosa (5), Itisha Joshi (2), Dharini Sapkal (2), Kaushik Parmar (2), Bhargavi Parmar (2), Zeba Vohra (2), Arti Yadav (1). Murthy and Seung Labs: Joshua Bañez (2), Doug Bland (1). Bidaye Lab: Benjamin Bargerol (3). Seeds Hampel Lab: Steven Calle (2). Seeds and Jefferis Labs: Katharina Eichler (1). Wilson and Jefferis Labs: Laia Serratosa Capdevila (1).
14	Putative Right cLPTCm 410927 SI	720575940642061709	112863, 73654, 2042		PS079	Wilson and Jefferis Labs: Laia Serratosa Capdevila (22). Jefferis Lab: Alexandre Javier (10), Laia Serratosa (10), Irene Salgarella (9), Paul Brooks (6), Arti Yadav (1). Murthy and Seung Labs: Jay Gager (3). Seeds and Jefferis Labs: Katharina Eichler (2). Chiappe Lab: Margarida Brotas (1).
15	Right cLPTCm 410809 SI	720575940617997396	113277, 73467, 2192		PS079	Jefferis Lab: Laia Serratosa (14), Alexandre Javier (10), Irene Salgarella (2), Bhargavi Parmar (1). Murthy and Seung Labs: Christa Baker (5). Wilson and Jefferis Labs: Laia Serratosa Capdevila (1). Seeds and Jefferis Labs: Katharina Eichler (1).
16	Right bLPTCm 416268 ME	720575940608760110	112920, 74883, 1730		PS078	Jefferis Lab: Irene Salgarella (8), Laia Serratosa (3), Alexandre Javier (2). Reiser Lab: Alex Thomson (1).
17	Right bLPTCm 986687 ME	720575940620555696	111749, 73943, 2041		PS078	Murthy and Seung Labs: Zairene Lenizo (6), Christa Baker (4). Jefferis Lab: Irene Salgarella (1), Laia Serratosa (1).
18	Right uLPTCm 2500746 ME	720575940606873522	112559, 74568, 1653		PS070- PS074	Jefferis Lab: Laia Serratosa (11), Chitra Nair (7), Irene Salgarella (2), Paul Brooks (1), Siqui Fang (1). Wilson and Jefferis Labs: Laia Serratosa Capdevila (4). Murthy and Seung Labs: Shania Mae Monungolh (3), Christa Baker (1).
19	Right uLPTCm 1002426 ME	720575940647708537	114241, 73636, 1682		PS070- PS074	Wilson and Jefferis Labs: Laia Serratosa Capdevila (11). Jefferis Lab: Irene Salgarella (6), Laia Serratosa (4).
20	Right DNp15 5224930 ME	720575940610301413	120043, 60033, 5393	5813078134 *	DNp15	Jefferis Lab: Siqui Fang (26), Paul Brooks (1). Seeds and Jefferis Labs: Katharina Eichler (2). Chiappe Lab: Margarida Brotas (1).

21	Right bIPS neuron 3029744 ME	720575940622581173	125645, 88652, 4814	1932497911		Seeds Hampel Lab: Steven Calle (6). Murthy and Seung Labs: Ben Silverman (2), Nash Hadjerol (1). Reiser Lab: Alex Thomson (1).
22	Right PS047 16769498 ME	720575940638306163	98755, 67802, 2032	1621806893	PS047	Seeds and Jefferis Labs: Katharina Eichler (1). Murthy and Seung Labs: Austin T. Burke (1). Jefferis and Waddell Labs: Joseph Hsu (1). Jefferis Lab: Rashmita Rana (1).
23	Left bIPS neuron 969206 ME	720575940623618708	141214, 90010, 4743	1963869636		Murthy and Seung Labs: Michelle Pantujan (10). Jefferis Lab: Yijie Yin (3). Chiappe Lab: Margarida Brotas (1).
24	H2 neuron (left) 5232903 ME	720575940632427603	164810, 54592, 5192	5813078454	H2	Murthy and Seung Labs: Shirleyjoy Serona (29), Zairene Lenizo (2), Remer Tancontian (1), Kyle Patrick Willie (1). EyeWire: Nseraf (14). Reiser Lab: Sanna Koskela (10), Alex Thomson (1). Chiappe Lab: Margarida Brotas (4). Jefferis Lab: Bhargavi Parmar (2), Chitra Nair (1).
25	Right DNb03 8416446530 ME	720575940620776880	105915, 58345, 1981		DNb03	Jefferis Lab: Siqi Fang (8), Paul Brooks (6), Dharini Sapkal (1), Zeba Vohra (1). Reiser Lab: Sanna Koskela (16). Murthy and Seung Labs: Celia David (4), Remer Tancontian (1). Seeds and Jefferis Labs: Katharina Eichler (3). Jefferis and Waddell Labs: Joseph Hsu (2). Jefferis and Wilson Labs: Laia Serratos Capdevila (1). Huetteroth Lab: Wolf Huetteroth (1).
26	Right H2rn 11956981 ME	720575940621865991	127153, 91186, 3928			Jefferis Lab: Siqi Fang (5), Laia Serratos (1). Reiser Lab: Sanna Koskela (1).
27	Right DNb03 413171 MB	720575940634163682	107706, 58941, 2096			Jefferis Lab: Griffin Badalemente (11), Siqi Fang (3), Laia Serratos (1). Reiser Lab: Sanna Koskela (11). Murthy and Seung Labs: Joshua Bañez (3), Remer Tancontian (1). Seeds and Jefferis Labs: Katharina Eichler (2). Jefferis and Wilson Labs: Laia Serratos Capdevila (1).
28	Right H2rn 11930922 ME	720575940622082451	128029, 91037, 3888			Jefferis Lab: Siqi Fang (3), Arti Yadav (1). Murthy and Seung Labs: Zairene Lenizo (3).
29	Right H2rn 9730354 ME	720575940624756836	126229, 90972, 3889			Murthy and Seung Labs: Kyle Patrick Willie (5), Mendell Lopez (3). Jefferis Lab: Siqi Fang (3).
30	Right H2rn 8438890 ME	720575940617566769	127758, 91886, 3927			Jefferis Lab: Siqi Fang (2), Paul Brooks (1).
31	Right H2rn 8178074 ME	720575940642076576	127930, 91367, 4018			Murthy and Seung Labs: Mendell Lopez (4). Jefferis Lab: Siqi Fang (1).
32	Putative VSN 851433 ZSG	720575940624931564	89397, 61348, 6667	5813033533	VS	Reiser Lab: Connor Laughland (14), Sanna Koskela (3). Murthy and Seung Labs: Celia David (5), Joshua Bañez (1). Jefferis Lab: Irene Salgarella (1), Laia Serratos (1), Anjali Pandey (1). EyeWire: Krzysztof Kruk (1).
33	Putative VSN 804093 ZSG	720575940633923298	82426, 57153, 6848	1558230909	VS	Murthy and Seung Labs: Ben Silverman (38), Jay Gager (35). EyeWire: Krzysztof Kruk (1).
34	neuron 5207415 ME	720575940613940074	83118, 55640, 4101	1221457679	IVLPT8	Murthy and Seung Labs: Kyle Patrick Willie (5), Michelle Pantujan (3), Celia David (1). Jefferis Lab: Yijie Yin (8). Reiser Lab: Sanna Koskela (3). Wilson Lab: Tatsuo Okubo (1).
35	Putative HSN 830794 ZSG	720575940628031249	91612, 60674, 6567	2211443902	HSN	EyeWire: Krzysztof Kruk (30). Murthy and Seung Labs: Michelle Pantujan (10), Merlin Moore (4), Nash Hadjerol (2).

						Miguel Albero (2), John David Asis (2), Nelsie Panes (2), Zairene Lenizo (1), Ryan Willie (1). Chiappe Lab: Margarida Brotas (15). Reiser Lab: Sanna Koskela (10), Connor Laughland (1). Jefferis Lab: Dhara Kakadiya (2), Chitra Nair (1). Kim Lab: Dustin Garner (1). Seeds Hempel Lab: Fabianna Szorenyi (1).
36	Putative HSE 827035 ECS ZSG	720575940642723981	98857, 55902, 5783	1807537598	HSE	Reiser Lab: Sanna Koskela (32), Connor Laughland (1). EyeWire: Krzysztof Kruk (22), AzureJay (3). Jefferis Lab: Siqi Fang (8), Laia Serratosa (7), Arti Yadav (1), Griffin Badalemente (1). Jefferis and Wilson Labs: Laia Serratosa Capdevila (6). Chiappe Lab: Margarida Brotas (4). Murthy and Seung Labs: Kyle Patrick Willie (1), Janice Salocot (1). Read Lab: Veronika Lukyanova (1).
37	Putative HSS 408972 SJH ZSG	720575940622312965	94341, 61845, 6407	2179731270	HSS	Jefferis Lab: Laia Serratosa (23), Anjali Pandey (1). EyeWire: Krzysztof Kruk (18). Murthy and Seung Labs: Claire McKellar (3), J. Anthony Ocho (2), Shirleyjoy Serona (1), Mendell Lopez (1), Darrel Jay Akiatan (1), Marchan Manaytay (1), Rey Adrian Candilada (1) Ryan Willie (1). Chiappe Lab: Margarida Brotas (9). Reiser Lab: Sanna Koskela (7). Borst Lab: Amalia Braun (2).
38	VSN-Like 982898 ZSG	720575940626477498	86531, 61966, 6790	5813024262	VS	Murthy and Seung Labs: Jay Gager (312), J. Anthony Ocho (10), Shaina Mae Monungolh (2), James Hebditch (2), Ryan Willie (1), Ariel Dagohoy (1), Michelle Pantujan (1), Celia David (1), Nash Hadjerol (1), Darrel Jay Akiatan (1), Mendell Lopez (1), John David Asis (1). Jefferis Lab: Greg Jefferis (25), Irene Salgarella (3), Márcia Santos (3), Yijie Yin (3), Alexandre Javier (2), Arti Yadav (2). Reiser Lab: Connor Laughland (5), Sanna Koskela (1). Chiappe Lab: Mert Erginkaya (4). Jefferis and Wilson Labs: Laia Serratosa Capdevila (2). Borst Lab: Amalia Braun (1). Seeds and Jefferis Labs: Katharina Eichler (1).
39	putative VSN 793033 ZSG	720575940615269794	82514, 59151, 6836	1868619183	VS	Reiser Lab: Connor Laughland (30). EyeWire: Krzysztof Kruk (30). Murthy and Seung Labs: Zairene Lenizo (13), Austin T. Burke (10), Alvin Josh Mandahay (3), Miguel Albero (2), Shirleyjoy Serona (2), Rey Adrian Candilada (2), Kendrick Joules Vinson (2), Jay Gager (2), Regine Salem (1), Darrel Jay Akiatan (1), Kyle Patrick Willie (1). Borst Lab: Amalia Braun (10). Jefferis Lab: Greg Jefferis (7), Arti Yadav (2), Zeba Vohra (2), Paul Brooks (1), Griffin Badalemente (1). Seeds and Jefferis Labs: Katharina Eichler (1). Allen Institute Connectomics: Casey Schneider-Mizell (1).
40	Putative VSN 815777 ZSG	720575940622831740	84905, 55521, 6704	5813025091	VS	Borst Lab: Amalia Braun (330). Jefferis Lab: Istvan Taisz (169). Murthy and Seung Labs: Claire McKellar (44), Austin T. Burke (50), James Hebditch (2), Miguel Albero (1), Rey Adrian Candilada (1), Ryan Willie (1), John David Asis (1). EyeWire: Krzysztof Kruk (3), AzureJay (1).

41	Putative VSN 852994 JLME ZSG	720575940633017939	82465, 56046, 6799	1557885051	VS	Murthy and Seung Labs: Kendrick Joles Vinson (21), Kyle Patrick Willie (5), Ben Silverman (2), Rey Adrian Candilada (1). EyeWire: Krzysztof Kruk (7), AzureJay (5). Borst Lab: Amalia Braun (9). Reiser Lab: Connor Laughland (5), Sanna Koskela (2). Jefferis Lab: Laia Serratos (1), Arti Yadav (1).
42	Putative VSN 807402 ZSG	720575940626457406	85387, 60389, 6811	1868255513	VS	Murthy and Seung Labs: Nash Hadjerol (14), Kyle Patrick Willie (2), Doug Bland (1). EyeWire: Krzysztof Kruk (17). Reiser Lab: Connor Laughland (8), Sanna Koskela (1). Jefferis Lab: Greg Jefferis (4), Laia Serratos (1), Anjali Pandey (1).
43	putative VSN 804540 ZSG	720575940605688492	84584, 57582, 6777	1992161820	VS	Jefferis Lab: Greg Jefferis (20), Arti Yadav (1), Yijie Yin (1). EyeWire: Krzysztof Kruk (11). Reiser Lab: Connor Laughland (6), Sanna Koskela (1). Murthy and Seung Labs: Nash Hadjerol (2), James Hebditch (2), Nelsie Panes (1), Mark Lloyd Pielago (1). Borst Lab: Nik Drummond (3). Citizen Scientist: Wes Murfin (1).
44	Right S- Neuron 4906099 ME	720575940629666971	126241, 28340, 3824		OCG07	Murthy and Seung Labs: James Hebditch (6), Doug Bland (4).
45	Right S- Neuron 4905400 ME	720575940625314547	127007, 30053, 4080		OCG07	Murthy and Seung Labs: Doug Bland (15), Nash Hadjerol (14). Jefferis Lab: Arti Yadav (1).
46	Right S- Neuron 4880581 ME	720575940609826499	127788, 30884, 4072		OCG07	Murthy and Seung Labs: Doug Bland (16). Wilson Lab: Quinn Vanderbeck (5). Jefferis Lab: Philipp Schlegel (2), Arti Yadav (1).
47	Right DNOVS1 9937342 ME	720575940629390123	115510, 45447, 4960	1745333830 *	DNp20	Jefferis and Wilson Labs: Laia Serratos Capdevila (63). Murthy and Seung Labs: Sarah Morejohn (5), Doug Bland (3), Jet Ivan Dolorosa (1), Kendrick Joles Vinson (1). Jefferis Lab: Siqi Fang (2), Greg Jefferis (1), Philipp Schlegel (1). Wilson Lab: Anna Li (1). Seeds and Jefferis Labs: Katharina Eichler (1).
48	Right DNb06 9857697 ME	720575940637308605	126678, 68176, 1317	1715999506	DNb06	Seung Lab: Zhihao Zheng (1). Reiser Lab: Connor Laughland (1). Seeds and Jefferis Labs: Katharina Eichler (1).
49	Right PS126 4905394 ME	720575940629701484	131516, 30646, 3039	1591156798	PS126	Murthy and Seung Labs: Kyle Patrick Willie (15), Ariel Dagohoy (1). Jefferis Lab: Varun Sane (2), Yijie Yin (1), Paul Brooks (1). Seeds and Jefferis Labs: Katharina Eichler (1). Reiser Lab: Alex Thomson (1).
50	Left bLPTCrn 9157628 ME	720575940631876577	149420, 77362, 1632		PS078	Jefferis Lab: Alexandre Javier (10), Laia Serratos (4), Anjali Pandey (1).
51	Right bLPTCrn 17646150 ME	720575940624461543	113818, 75477, 1710		PS078	Jefferis Lab: Paul Brooks (4), Laia Serratos (4), Irene Salgarella (2), Imaan Tamimi (1). Murthy and Seung Labs: Jay Gager (1). Murthy Lab: Christa Baker (1).
52	Right bLPTCrn 869476 ME	720575940628284931	113237, 74767, 1898		PS078	
53	Putative Right bLPTCrn 1934541 ME	720575940605344434	113968, 76236, 1733		PS078	Jefferis Lab: Paul Brooks (12), Laia Serratos (8), Irene Salgarella (5), Siqi Fang (4), Imaan Tamimi (1). Jefferis and Wilson Labs: Laia Serratos Capdevila (1). Murthy Lab: Christa Baker (1).

54	Cervical Nerve Neuron 1337778 SI	720575940633404627	118851, 65265, 5421			Jefferis Lab: Philipp Schlegel (23), Arti Yadav (14), Alexandre Javier (3), Sangeeta Sisodiya (3), Chitra Nair (3), Yijie Yin (2), Paul Brooks (2), Dharini Sapkal (2), Griffin Badalemente (2), Yashvi Patel (2), Arzoo Diwan (1). Jefferis and Wilson Labs: Laia Serratos Capdevila (40). Murthy and Seung Labs: Jay Gager (4), Zairene Lenizo (2), Nash Hadjerol (2), Doug Bland (1). Seeds and Jefferis Labs: Katharina Eichler (5). Wilson Lab: Quinn Vanderbeck (5). Seeds Hampel Lab: Lucia Kmecova (1).
55	Cervical Nerve Neuron 1167859 SI	720575940621583286	119957, 62874, 5368			Jefferis Lab: Laia Serratos (19), Griffin Badalemente (15), Chitra Nair (7), Philipp Schlegel (4), Itisha Joshi (3), Paul Brooks (2), Zeba Vohra (2), Yashvi Patel (1), Marina Gkantia (1), Márcia Santos (1), Yijie Yin (1). EyeWire: Nseraf (14). Jefferis and Wilson Labs: Laia Serratos Capdevila (5). Murthy and Seung Labs: Kyle Patrick Willie (3), Joshua Bañez (2), Austin T. Burke (2), Remer Tancontian (1), Mendell Lopez (1), Doug Bland (1). Seeds and Jefferis Labs: Katharina Eichler (11). Dacks Lab: Farzaan Salman (1).
56	Left bLPTCm 9369685 ME	720575940610505881	148617, 76818, 1461		PS078	Jefferis Lab: Laia Serratos (21), Alexandre Javier (3), Arti Yadav (1). Jefferis and Waddell Labs: Joseph Hsu (1). Wilson Lab: Quinn Vanderbeck (1).
57	Right cLPTCm 968975 ME	720575940625557069	110736, 74923, 2028		PS079	Jefferis Lab: Alexandre Javier (42), Laia Serratos (24), Imaan Tamimi (6), Irene Salgarella (1). Murthy and Seung Labs: Kyle Patrick Willie (9), Austin T. Burke (3), Nash Hadjerol (1), Jay Gager (1). Seeds and Jefferis Labs: Katharina Eichler (2). Murthy Lab: Christa Baker (1). Jefferis and Wilson Labs: Laia Serratos Capdevila (1).
58	Left cLPTCm 414149 ME	720575940607991819	146347, 76067, 1244		PS079	Jefferis Lab: Laia Serratos (23), Alexandre Javier (3), Arti Yadav (1). Jefferis and Wilson Labs: Laia Serratos Capdevila (3). Chiappe Lab: Margarida Brotas (1). Reiser Lab: Sanna Koskela (1). Murthy and Seung Labs: J. Anthony Ocho (1).
59	Left cLPTCm 2725485 ME	720575940629929273	147252, 76791, 1398		PS079	Jefferis Lab: Laia Serratos (15), Irene Salgarella (5), Alexandre Javier (5), Paul Brooks (1). Jefferis and Wilson Labs: Laia Serratos Capdevila (7).
60	Left cLPTCm 1006244 SI	720575940612306641	146666, 75707, 1607		PS079	Seeds and Jefferis Labs: Katharina Eichler (14). Jefferis Lab: Laia Serratos (2), Alexandre Javier (2), Anjali Pandey (1), Siqi Fang (1).
61	Right cLPTCm 414194 ME	720575940620867254	112846, 70948, 2282		PS079	Jefferis Lab: Dhara Kakadiya (49), Laia Serratos (6), Irene Salgarella (3), Dhvani Patel (1). Murthy Lab: Christa Baker (5). Murthy and Seung Labs: Zairene Lenizo (2). Borst Lab: Amalia Braun (1). Wilson Lab: Quinn Vanderbeck (1).
62	Right cLPTCm 1051520 SI	720575940629267531	111884, 74761, 2203		PS079	Jefferis Lab: Irene Salgarella (8), Laia Serratos (3). Jefferis and Wilson Labs: Laia Serratos Capdevila (2). Murthy Lab: Christa Baker (1).
63	Left cLPTCm 967831 ME	720575940624324708	147231, 75756, 1219		PS079	Jefferis Lab: Alexandre Javier (8), Laia Serratos (6). Jefferis and Wilson Labs:

						Laia Serratosa Capdevila (11). Kim Lab: Dustin Garner (2).
64	Putative Right cLPTCrn 9336219 ME	720575940631645009	111149, 73533, 1804		PS079	Jefferis Lab: Laia Serratosa (8), Dhwani Patel (3), Greg Jefferis (2), Irene Salgarella (2). Murthy Lab: Christa Baker (7). Borst Lab: Amalia Braun (1). Seeds and Jefferis Labs: Katharina Eichler (1).
65	Left cLPTCrn 4881422 ME	720575940626420220	146247, 75467, 1279		PS079	Jefferis Lab: Alexandre Javier (6), Laia Serratosa (6). Murthy and Seung Labs: Austin T. Burke (2). Simpson Lab: Li Guo (1).
66	Right cLPTCrn 969249 ME	720575940620263088	111942, 73451, 1739		PS079	Jefferis Lab: Griffin Badalemente (11), Laia Serratosa (5), Irene Salgarella (4), Yijie Yin (2), Alexandre Javier (1). Murthy and Seung Labs: Kyle Patrick Willie (2). Seeds Hampel Lab: Steven Calle (2).
67	Left cLPTCrn 952121 ME	720575940616362123	148068, 76482, 1602		PS079	Jefferis Lab: Alexandre Javier (12), Dhwani Patel (11), Irene Salgarella (1), Siqi Fang (1). Jefferis and Wilson Labs: Laia Serratosa Capdevila (11). Wilson Lab: Quinn Vanderbeck (1).
68	Left cLPTCrn 412520 ME	720575940621845119	147390, 76088, 1339		PS079	Jefferis and Wilson Labs: Laia Serratosa Capdevila (29). Murthy and Seung Labs: Mendell Lopez (5), Kyle Patrick Willie (2), Ben Silverman (1), Jay Gager (1). Jefferis Lab: Alexandre Javier (2), Laia Serratosa (2), Arti Yadav (2), Irene Salgarella (1).
69	Right cLPTCrn 2560372 ME	720575940628688246	113125, 72872, 1901		PS079	Jefferis Lab: Laia Serratosa (21). Jefferis and Wilson Labs: Laia Serratosa Capdevila (3). Chiappe Lab: Margarida Brotas (1).
70	Right cLPTCrn 411566 ME	720575940619872751	113686, 72642, 2212		PS079	Jefferis Lab: Laia Serratosa (21), Alexandre Javier (1), Irene Salgarella (1). Murthy and Seung Labs: Doug Bland (12), Zairene Lenizo (2). Seeds and Jefferis Labs: Katharina Eichler (10). Reiser Lab: Sanna Koskela (3). Chiappe Lab: Margarida Brotas (2).
71	Left cLPTCrn 1027141 SI	720575940635634680	145378, 76025, 1378		PS079	Jefferis Lab: Laia Serratosa (37), Dhwani Patel (13), Alexandre Javier (9), Irene Salgarella (2), Siqi Fang (1), Dhara Kakadiya (1). Jefferis and Wilson Labs: Laia Serratosa Capdevila (4). Murthy and Seung Labs: Nash Hadjerol (3).
72	Right cLPTCrn 968122 ME	720575940621147425	114031, 73227, 1620		PS079	Jefferis Lab: Laia Serratosa (29), Irene Salgarella (1). Simpson Lab: Li Guo (3). Murthy Lab: Christa Baker (1). Jefferis and Wilson Labs: Laia Serratosa Capdevila (1). Seeds and Jefferis Labs: Katharina Eichler (1). Murthy and Seung Labs: Shania Mae Monungolh (1).

* Uncertain matching due to incomplete hemibrain skeleton

Supplementary Table 3: List of fly lines used in each figure

Figure(s)	Panel(s)	Target cell type(s)	Genotype(s)
Fig. 1	g, h	DNp15	w^{1118} / w^{1118}; R11E07-p65.AD / 20XUAS-jGCaMP7f; R77F05-Gal4.DBD / 20xUAS-6XmCherry; 13XLexAop-jGCaMP7f / 13XLexAop-jGCaMP7f; R77F05-LexA / R77F05-LexA; + / +;
Fig. 1,3, Ext. Data Fig. 1,5,6		HS	w^{1118} / w^{1118}; R27B03-p65.AD / 20XUAS-6XmCherry; R39E01-Gal4.DBD / UAS-sytGCaMP7f; w^{1118} / w^{1118}; 20XUAS-jGCaMP7f / +; VT058487-Gal4 / UAS-CD4::tdTomato w^{1118} / w^{1118}; R39E01-LexA, 13XLexAop2-6XmCherry / +; VT058487-Gal4 / UAS-sytGCaMP7f
Fig. 3, Ext. Data Fig. 1		DNp15	w^{1118} / w^{1118}; R11E07-p65.AD / 20XUAS-jGCaMP7f; R77F05-Gal4.DBD / 20XUAS-6XmCherry; 13XLexAop-jGCaMP7f / 13XLexAop-jGCaMP7f; R77F05-LexA / R77F05-LexA; + / +;
Fig. 3, Ext. Data Fig. 5,6		H2	w^{1118} / w^{1118}; R23C12-p65.AD / 20XUAS-6XmCherry; R32A11-Gal4.DBD / UAS-sytGCaMP7f; w^{1118} / w^{1118}; R23C12-p65.AD / R39E01-LexA, 13XLexAop2-6XmCherry; R32A11-Gal4.DBD / UAS-sytGCaMP7f
Fig. 3, Ext. Data Fig. 5,6		bIPS	w^{1118} / w^{1118}; R25F07-p65.AD / 20XUAS-6XmCherry; VT014724-Gal4.DBD / UAS-sytGCaMP7f; w^{1118} / w^{1118}; R25F07-p65.AD / 20XUAS-jGCaMP7f; VT014724-Gal4.DBD / UAS-CD4::tdTomato
Fig. 3, Ext. Data Fig. 5,6		H2rn	w^{1118} / w^{1118}; VT040346-p65.AD / 20XUAS-6XmCherry; VT049923-Gal4.DBD / UAS-sytGCaMP7f;
Fig. 3 Extended Data Fig. 5,6		uLPTCrn	w^{1118} / w^{1118}; 20XUAS-6XmCherry / +; R50G03-Gal4 / UAS-sytGCaMP7f;

Figure(s)	Panel(s)	Target cell type(s)	Genotype(s)
			w^{1118} / w^{1118} ; R39E01-LexA, 13XLexAop-6XmCherry / +; R50G03-Gal4 / UAS-sytGCaMP7f
Supp. Fig. 4	a	bIPS	w^{1118} / w^{1118} ; R25F07-p65.AD / UAS-mCD8::GFP; VT014724-Gal4.DBD / +;
Supp. Fig. 4	a	H2rn	w^{1118} / w^{1118} ; VT040346-p65.AD / UAS-mCD8::GFP; VT049923-Gal4.DBD / +;
Supp. Fig. 4	a	uLPTCrm	w^{1118} / w^{1118} ; Otd-nls:FLPo / +; R50G03-Gal4 / pJFRC56-10XUAS>Stop>eGFPKir2.1;
Supp. Fig. 4	a	LPTCrm	w^{1118} / w^{1118} ; VT045281-p65.AD / Otd-nls:FLPo; VT038829-Gal4.DBD / pJFRC56-10XUAS>Stop>eGFPKir2.1;
Supp. Fig. 4	a	HS	w^{1118} / w^{1118} ; R27B03-p65.AD / 20XUAS-jGCaMP7f; R39E01-Gal4.DBD / UAS-CD4::TdTomato;
Supp. Fig. 4	a	H2	w^{1118} / w^{1118} ; R23C12-p65.AD / UAS-2xEGFP; R32A11-Gal4.DBD / +;
Supp. Fig. 4	a	DNp15	w^{1118} / w^{1118} ; R11E07-p65.AD / 20XUAS-jGCaMP7f; R77F05-Gal4.DBD / 20XUAS-6XmCherry;
Supp. Fig. 4	b	bIPS Rdl +/-	w^{1118} / w^{1118} ; R25F07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; VT014724-Gal4.DBD / Rdl ^{FlpStopND} ;
Supp. Fig. 4	b	bIPS Rdl -/-	w^{1118} / w^{1118} ; R25F07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; VT014724-Gal4.DBD, Rdl ^{FlpStopND} / Rdl ^{FlpStopND} ;
Supp. Fig. 4	c	DNp15 Rdl +/-	w^{1118} / w^{1118} ; R11E07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; R77F05-Gal4.DBD / Rdl ^{FlpStopND} ;
Supp. Fig. 4	d	LPTCrm	$w^{1118} / MCFO-1$; VT045281-p65.AD / +; VT038829-Gal4.DBD / MCFO-1;
Fig. 4,5, Ext. Data Fig. 8		bIPS control	w^{1118} / w^{1118} ; R25F07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; VT014724-Gal4.DBD / 20XUAS-6XmCherry;
Fig. 4,5, Ext. Data Fig. 8		bIPS ^{RdlFlpStop}	w^{1118} / w^{1118} ; R25F07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; VT014724-Gal4.DBD, Rdl ^{FlpStopND} / Rdl ^{FlpStopND} ;
Supp. Fig. 5	a	LPTCrm	w^{1118} / w^{1118} ; VT045281-p65.AD / UAS-mCD8::GFP; VT038829-Gal4.DBD / +;
Supp. Fig. 5	a	uLPTCrm	w^{1118} / w^{1118} ; UAS-mCD8::GFP / +; R50G03-Gal4 / +;
Supp. Fig. 5	a	bIPS	w^{1118} / w^{1118} ; VT014724-p65.AD / UAS-mCD8::GFP; VT039047-Gal4.DBD / +;

Figure(s)	Panel(s)	Target cell type(s)	Genotype(s)
Supp. Fig. 5	a	H2rn	w^{1118} / w^{1118} ; VT040346-p65.AD / UAS-mCD8::GFP; VT049923-Gal4.DBD / +;
Supp. Fig. 5	b	LPTCrn $\cap$ GAD1	w^{1118} / w^{1118} ; UAS-mCD8::GFP / +; VT045281-Gal4.DBD / GAD1-p65.AD;
Supp. Fig. 5	b	LPTCrn $\cap$ ChaT	w^{1118} / w^{1118} ; VT045281-p65.AD / UAS-mCD8::GFP; ChaT-Gal4.DBD / +;
Supp. Fig. 5	b	LPTCrn $\cap$ VGlut	w^{1118} / w^{1118} ; VT045281-p65.AD / VGlut-Gal4.DBD; 40xUAS-mCD8::GFP;
Supp. Fig. 5	b	uLPTCrn $\cap$ GAD1	w^{1118} / w^{1118} ; UAS-mCD8::GFP / +; GAD1-p65.AD / R50G03-Gal4.DBD;
Supp. Fig. 5	b	uLPTCrn $\cap$ ChaT	w^{1118} / w^{1118} ; R50G03-p65.AD / UAS-mCD8::GFP; ChaT-Gal4.DBD / +;
Supp. Fig. 5	b	uLPTCrn $\cap$ VGlut	w^{1118} / w^{1118} ; R50G03-p65.AD / VGlut-Gal4.DBD; 40xUAS-mCD8::GFP;
Supp. Fig. 5	b	bIPS $\cap$ GAD1	w^{1118} / w^{1118} ; UAS-mCD8::GFP / +; GAD1-p65.AD / VT014724-Gal4.DBD;
Supp. Fig. 5	b	bIPS $\cap$ ChaT	w^{1118} / w^{1118} ; VT014724-p65.AD / UAS-mCD8::GFP; ChaT-Gal4.DBD / +;
Supp. Fig. 5	b	bIPS $\cap$ VGlut	w^{1118} / w^{1118} ; VGlut-p65.AD / UAS-mCD8::GFP; VT019845-Gal4.DBD / +;
Supp. Fig. 5	b	H2rn $\cap$ GAD1	w^{1118} / w^{1118} ; UAS-mCD8::GFP / CyO; GAD1-p65.AD / VT049923-Gal4.DBD;
Supp. Fig. 5	b	H2rn $\cap$ ChaT	w^{1118} / w^{1118} ; VT040346-p65.AD / UAS-mCD8::GFP; ChaT-Gal4.DBD / +;
Supp. Fig. 5	b	H2rn $\cap$ VGlut	w^{1118} / w^{1118} ; VGlut-p65.AD / UAS-mCD8::GFP; VT049923-Gal4.DBD / +;
Fig. 5, Ext. Data Fig. 8		HS control	w^{1118} / w^{1118} ; R39E01-lexA, 13XLexAop2-GCaMP6f / Empty-p65.AD; pJFRC34-5XUAS-DSCP-E86tetLC / Empty-Gal4.DBD
Fig. 5, Ext. Data Fig. 8		HS ^{bIPS>TNT}	w^{1118} / w^{1118} ; R39E01-lexA, 13XLexAop2-GCaMP6f / VT039047-p65.AD; pJFRC34-5XUAS-DSCP-E86tetLC / VT019845-Gal4.DBD
Fig. 5, Ext. Data Fig. 8		DNp15 control	w^{1118} / w^{1118} ; R11E07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; R77F05-Gal4.DBD / 20XUAS-6XmCherry;
Fig. 5, Ext. Data Fig. 8		DNp15 Rdl ^{FlipStop}	w^{1118} / w^{1118} ; R11E07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; R77F05-Gal4.DBD, Rdl ^{FlipStopND} / Rdl ^{FlipStopND} ;
Fig. 6	d,g	bIPS control	w^{1118} / w^{1118} ; R25F07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; VT014724-Gal4.DBD / 20XUAS-6XmCherry;
Fig. 6	d,g	bIPS Rdl ^{FlipStop}	w^{1118} / w^{1118} ; R25F07-p65.AD / 20XUAS-GCaMP6f, UAS-FLP; VT014724-Gal4.DBD, Rdl ^{FlipStopND} / Rdl ^{FlipStopND} ;

Figure(s)	Panel(s)	Target cell type(s)	Genotype(s)
Fig. 7	b,d	DNp15	Y / {hsp70-FLP}1,y ¹ ,w [*] ; R11E07-p65.AD / +; R77F05-Gal4.DBD / 10XUAS>Stop>eGFPKir2.1;
Fig. 7	e	bIPS	Y / {hsp70-FLP}1,y ¹ ,w [*] ; R25F07-p65.AD / +; VT014724-Gal4.DBD / 10XUAS>Stop>eGFPKir2.1;
Supp. Fig. 6	a	DNp15	Y / {hsp70-FLP}1,y ¹ ,w [*] ; R11E07-p65.AD / +; R77F05-Gal4.DBD / 10XUAS>Stop>eGFPKir2.1;
Supp. Fig. 6	b	DNp15	Y / {hsp70-FLP}3F,y ¹ ,w ¹¹¹⁸ ; R11E07-p65.AD / UAS-mCD8::GFP; R77F05-Gal4.DBD / UAS>Stop>Ricin;
Supp. Fig. 6	c	bIPS	Y / {hsp70-FLP}1,y ¹ ,w [*] ; R25F07-p65.AD / +; VT014724-Gal4.DBD / 10XUAS>Stop>eGFPKir2.1;
Supp. Fig. 6	d	bIPS #1	Y / w ¹¹¹⁸ ; R25F07-p65.AD / UAS-mCD8::GFP; VT014724-Gal4.DBD / +;
Supp. Fig. 6	d	bIPS #2	Y / w ¹¹¹⁸ ; VT014724-p65.AD / UAS-mCD8::GFP; VT039047-Gal4.DBD / +;
Supp. Fig. 6	d	bIPS #3	Y / w ¹¹¹⁸ ; VT039047-p65.AD / UAS-mCD8::GFP; VT019845-Gal4.DBD / +;
Ext. Data Fig. 10	a,b,c	DNp15	Y / {hsp70-FLP}3F,y ¹ ,w ¹¹¹⁸ ; R11E07-p65.AD / UAS-mCD8::GFP; R77F05-Gal4.DBD / UAS>Stop>Ricin;
Ext. Data Fig. 10	d,f	DNp15	Y / {hsp70-FLP}1,y ¹ ,w [*] ; R11E07-p65.AD / +; R77F05-Gal4.DBD / 10XUAS>Stop>eGFPKir2.1;
Ext. Data Fig. 10	e	bIPS	Y / {hsp70-FLP}1,y ¹ ,w [*] ; R25F07-p65.AD / +; VT014724-Gal4.DBD / 10XUAS>Stop>eGFPKir2.1;
Ext. Data Fig. 10	g	empty > TrpA1	Y / w ¹¹¹⁸ ; Empty-p65.AD / UAS-TrpA1(B).K; Empty-Gal4.DBD / +;
Ext. Data Fig. 10	g	bIPS #1 > TrpA1	Y / w ¹¹¹⁸ ; R25F07-p65.AD / UAS-TrpA1(B).K; VT014724-Gal4.DBD / +;
Ext. Data Fig. 10	g	bIPS #2 > TrpA1	Y / w ¹¹¹⁸ ; VT014724-p65.AD / UAS-TrpA1(B).K; VT039047-Gal4.DBD / +;
Ext. Data Fig. 10	g	bIPS #3 > TrpA1	Y / w ¹¹¹⁸ ; VT039047-p65.AD / UAS-TrpA1(B).K; VT019845-Gal4.DBD / +;