

**Tph-Gal4****Sert3-Gal4****Trh-Gal4**

<i>Head</i>	5-HT ± STDEV	GFP ± STDEV	Merge ± STDEV	n	<i>Head</i>	5-HT ± STDEV	GFP ± STDEV	Merge ± STDEV	n	<i>Head</i>	5-HT ± STDEV	GFP ± STDEV	Merge ± STDEV	n
SP1	3.0 ± 0.0	3.7 ± 0.5	2.1 ± 0.3	21	SP1	3.0 ± 0.2	0.0	0.0	23	SP1	3.0 ± 0.0	3.5 ± 0.7	3.0 ± 0.2	24
SP2	5.2 ± 0.7	4.9 ± 1.0	2.5 ± 0.7	19	SP2	5.2 ± 0.5	0.0	0.0	19	SP2	5.2 ± 0.6	4.7 ± 0.9	3.6 ± 0.6	22
IP	7.5 ± 0.8	8.1 ± 1.3	4.6 ± 0.8	20	IP	7.5 ± 0.7	1.3 ± 0.5	1.3 ± 0.5	19	IP	6.9 ± 0.7	7.1 ± 1.0	5.2 ± 1.0	19
LP1	2.0 ± 0.0	5.4 ± 0.8	2.0 ± 0.0	14	LP1	2.0 ± 0.2	1.3 ± 0.5	1.3 ± 0.5	19	LP1	2.0 ± 0.0	9.6 ± 1.7	2.0 ± 0.0	22
LP2	9.8 ± 1.1	12.9 ± 1.9	2.8 ± 0.8	16	LP2	9.8 ± 1.4	0.0	0.0	25	LP2	9.5 ± 2.5	12.2 ± 2.0	6.7 ± 2.0	27
LP3	2.8 ± 0.7	16.2 ± 1.7	1.6 ± 1.0	9	LP3	2.2 ± 0.4	0.0	0.0	6	LP3	2.7 ± 0.6	1.0 ± 1.2	0.3 ± 0.5	16
SE1	4.1 ± 0.3	4.8 ± 0.9	2.2 ± 0.7	14	SE1	4.0 ± 0.4	1.4 ± 0.5	1.2 ± 0.5	14	SE1	4.1 ± 0.3	4.1 ± 0.4	4.1 ± 0.3	28
SE2	2.1 ± 0.3	2.1 ± 0.3	2.0 ± 0.4	13	SE2	2.2 ± 0.4	0.0	0.0	22	SE2	2.0 ± 0.2	2.0 ± 0.5	1.9 ± 0.5	22
SE3	3.0 ± 0.0	7.2 ± 0.9	3.0 ± 0.0	17	SE3	3.0 ± 0.2	0.0	0.0	30	SE3	3.0 ± 0.0	3.0 ± 0.0	3.0 ± 0.0	23
AP	2.9 ± 0.3	6.0 ± 2.4	1.0 ± 0.0	11	AP	3.0 ± 0.2	0.0	0.0	24	AP	2.9 ± 0.3	3.7 ± 1.3	2.1 ± 0.5	26
DP	1.0 ± 0.0	0.0	0.0	16	DP	1.0 ± 0.0	0.0	0.0	27	DP	1.0 ± 0.0	1.0 ± 0.0	1.0 ± 0.0	15
CSD	1.0 ± 0.0	0.0	0.0	17	CSD	1.0 ± 0.0	0.0	0.0	34	CSD	1.0 ± 0.0	1.0 ± 0.0	1.0 ± 0.0	21
<b><i>Thorax</i></b>					<b><i>Thorax</i></b>					<b><i>Thorax</i></b>				
Pro	2.2 ± 0.4	2.9 ± 0.3	2.2 ± 0.4	14	Pro	2.2 ± 0.0	0.0	0.0	12	Pro	2.2 ± 0.4	2.3 ± 0.5	2.0 ± 0.0	12
Meso	2.1 ± 0.3	2.9 ± 0.3	2.1 ± 0.3	16	Meso	1.9 ± 0.3	0.0	0.0	10	Meso	2.0 ± 0.0	3.0 ± 0.0	2.0 ± 0.0	9
Meta	1.1 ± 0.3	2.6 ± 0.5	1.1 ± 0.3	16	Meta	1.2 ± 0.4	0.0	0.0	16	Meta	1.1 ± 0.4	2.2 ± 0.4	1.1 ± 0.4	14
<b><i>Abdomen</i></b>					<b><i>Abdomen</i></b>					<b><i>Abdomen</i></b>				
Abdm	16.5 ± 1.2	13.4 ± 2.3	11.0 ± 2.4	14	Abdm	16.5 ± 1.6	0.0	0.0	14	Abdm	16.5 ± 1.6	17.9 ± 1.0	16.1 ± 1.0	13