

Table S4. Larval tissue expression patterns of Gal4 drivers

Gal4	Major Larval Expression	Salivary gland	Fat body	Gut	Ring gland	Imaginal discs	Malpighian tubule	Trachea	Larval expression also in:
<i>Ac5C</i>	Ubiquitous	X	X	X	X	X	X	X	
<i>elav</i>	Pan-neuronal (not in RG)								none
<i>Ras2(41)</i>	CNS	X	X (weak)	X (weak)					
<i>Ras2(19)</i>	CNS	X	X (weak)	X (weak)	X (weak)	X (weak)			
<i>n-syb</i>	Pan-neuronal								none
<i>C23</i>	CNS: subset of neurons, MB	X	X (weak)						
<i>386Y</i>	Peptidergic neurons	X							
<i>MB241</i>	MB	X		X (midgut)					
<i>TH</i>	Dopaminergic neurons	X					X		PV and cuticle
<i>Repo</i>	Glia	X							
<i>Ilp2</i>	Insulin producing cells in CNS	X							
<i>P0206</i>	PG, CA (weak)	X		X (gut histoblasts)					
<i>Mai60</i>	PG (weak)	X							central brain (weak)
<i>Feb36</i>	PG, CA	X	X (weak)	X (weak)			X (weak)	X (weak)	
<i>Aug21</i>	CA, Tv neurons in the thoracic ganglion	X							
<i>Akh</i>	CC								none
<i>Feb211</i>	PG innervating NSNs	X							
<i>Kurs21</i>	CA-innervating neurons	X				X (eye)			
<i>Kurs58</i>	PI-2 neurons	X							
<i>Mai301</i>	CNS: 6 NSNs in PI								cuticle
<i>Mai369</i>	CNS: 7 lateral NSNs innervating the CC	X	X (weak)						

<i>Okt30</i>	CC-MS 2	X						
<i>Cg</i>	Fat body		X					hemocyte, anterior lymph gland pair
<i>Lsp2</i>	Fat body		X (weak)					none
<i>BO</i>	L1 oenocytes							none
<i>esg</i>	Midgut: intestinal stem cells and enteroblasts	X		X		X (wing)		
<i>myo1A</i>	Gut: mature enterocytes	X		X		X		
<i>Byn</i>	Posterior gut	X		X				

List of Gal4 driver lines used in this study and their expression patterns in third instar larvae as determined by crossing Gal4 drivers to *UAS-GFP*, or from published data. Abbreviations: Ring gland (RG), central nervous system (CNS), mushroom body (MB), prothoracic gland (PG), corpora allata (CA), corpora cardiaca (CC), neurosecretory neurons (NSNs), pars intercerebralis neurons (PI), corpora cardiaca innervating neurosecretory neuron of the medial subesophageal ganglion 2 (CC-MS 2), proventriculus (PV), fat body (FB), salivary glands (SG), imaginal discs (IDs), first instar (L1).