

SM Table 3. *Ppa-odr-3p::rfp* expression in *Ppa-hsd-2* mutants

Strain	Stage	No. Expression two pairs AM3(AWA) + AM4(ASK)	No. Expression three pairs AM3+ AM4 + unknown (%)	N
PS312 wildtype	J2	10	0 (0%)	10
	Dauer	22	0 (0%)	22
	J4/adult*	17	0 (0%)	17
<i>Ppa-hsd-2(csu60)</i>	J2**	17	12 (41%)	29
	Dauer	24	4 (14%)	28
	J4/adult	10	21 (68%)	31
<i>Ppa-hsd-2(csu60)</i>	Adult (-DA [^])	28	9 (24%)	37
$\Delta 7$-DA^a	Adult (+DA)	26	4 (13%)	30
<i>Ppa-hsd-2(csu88)</i>	J4/adult	14	24 (63%)	38
	Dauer	8	2 (20%)	10

*An additional 22 adults with the same expression pattern were observed in Hong *et al*, *eLife*, 2019

**Including some partial dauers that had darkened intestines but did not have buccal caps and radial constriction.

[^]ethanol vehicle control; N: sample size

^a $\Delta 7$ -DA did not affect *Ppa-odr-3p::rfp* amphid neuron expression (P=0.22, Fisher's Exact Test)