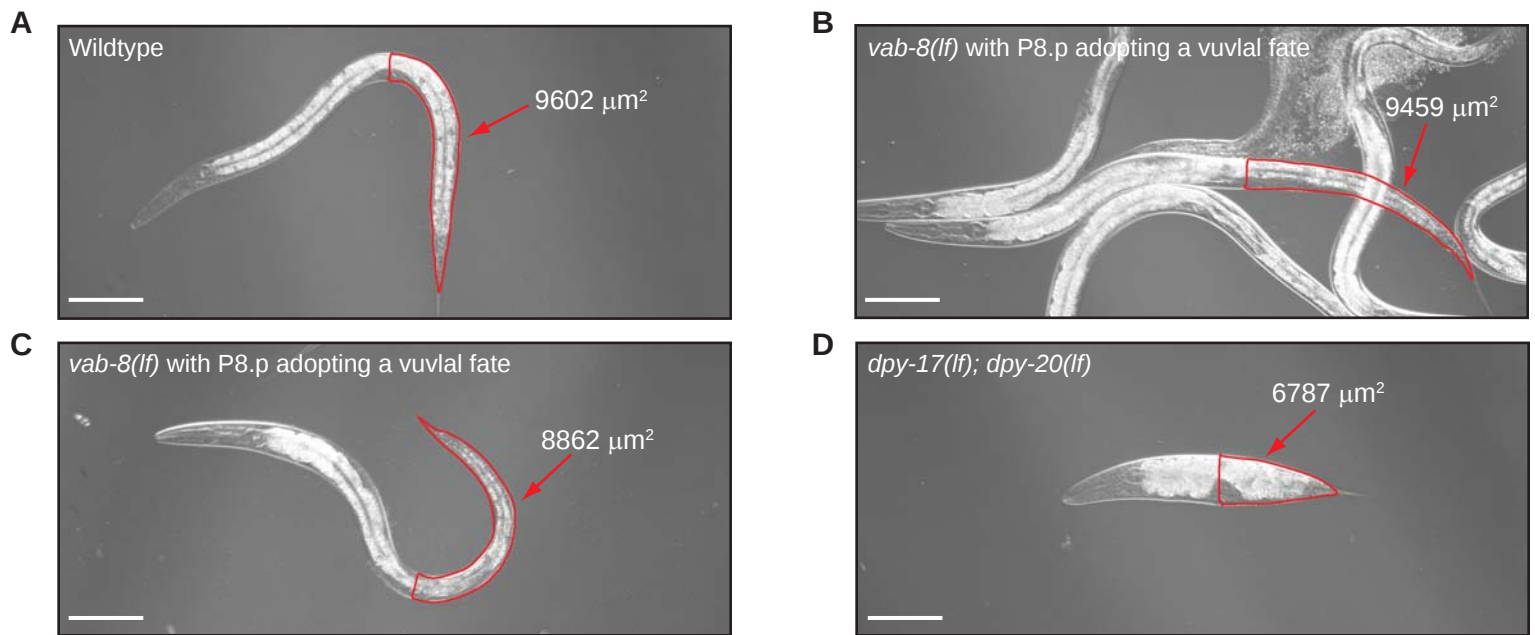
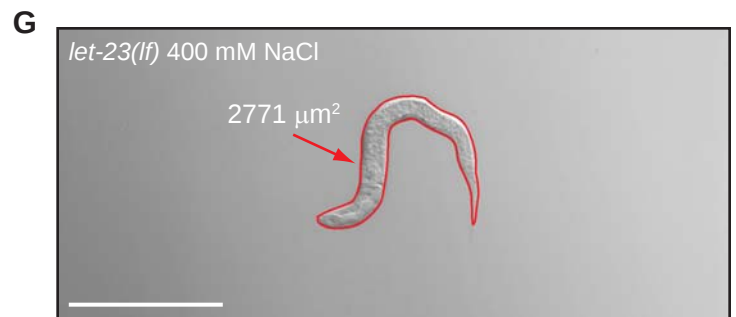
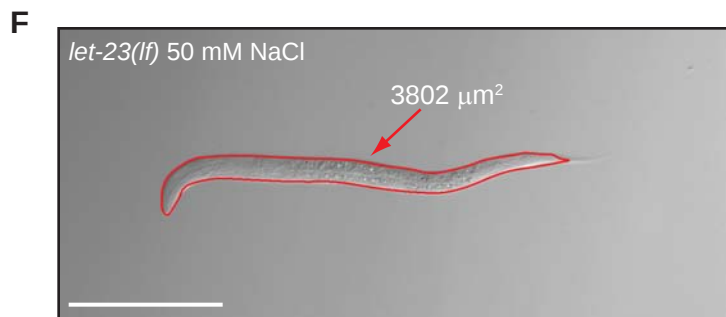




E L4 Posterior body volumes

Genotype	Notes	Thickness (μm)	Volume ($\times 10^3$ cubic microns)	p-Value (for volume)
Wildtype		33.8 ± 0.4 (n=5)	369 ± 31 (n=18)	
<i>vab-8(lf)</i>	Total population	30.7 ± 1.5 (n=6)	271 ± 35 (n=21)	<0.000001 vs Wildtype
<i>vab-8(lf)</i>	P8.p adopted a vulval fate	31.0 ± 1.0 (n=2)	258 ± 28 (n=3)	
<i>dpy-17(lf); dpy-20(lf)</i>		34.5 ± 2.3 (n=6)	245 ± 20 (n=17)	0.007 vs <i>vab-8(lf)</i>



H L1 Whole body volumes

Genotype	[NaCl]	Thickness (μm)	Volume ($\times 10^3$ cubic microns)	p-Value (for volume)
<i>let-23(lf)</i>	50 mM	19.0 ± 0.8 (n=10)	76 ± 8 (n=19)	
<i>let-23(lf)</i>	400 mM	15.7 ± 1.8 (n=10)	48 ± 6 (n=22)	<0.000001 vs 50 mM NaCl