

Table S3. Measures of receptivity and fertility for additional RNAi lines for positive ERC candidate genes.

Gene	Replicate RNAi Line	4-Day Receptivity	Day 4 Fertility (mean \pm SE)
CG14061 (<i>aqrs</i>)	none available	n/a	n/a
CG30488 (<i>antr</i>)	VDRC-GD transformant 41281 (control for siRNA sequence and insertion site) control flies: UAS x F ₈ w ¹¹¹⁸	KD: 20/26 cont: 0/24 <i>p</i> < 0.0001	KD: 0.3 \pm 0.3 cont: 29.5 \pm 2.3 <i>p</i> < 0.0001
CG12558 (<i>intr</i>)	none available	n/a	n/a
CG3239 (<i>frma</i>)	VDRC-KK transformant 102309 (control for siRNA sequence and insertion site) control flies: AttP x F ₇ <i>tub</i> -GAL4	KD: 5/25 cont: 4/24 <i>p</i> = 1.00	KD: 29.9 \pm 3.3 cont: 44.4 \pm 3.8 <i>p</i> < 0.007
CG5630 (<i>hdly</i>)	VDRC-GD transformant 52067 (control for UAS insertion site) control flies: UAS x F ₈ w ¹¹¹⁸	KD: 6/32 cont: 1/33 <i>p</i> = 0.054	KD: 20.8 \pm 3.5 cont: 48.4 \pm 3.0 <i>p</i> < 0.0001
<i>Esp</i>	VDRC-GD transformant 9797 (control for UAS insertion site) control flies: UAS x F ₈ w ¹¹¹⁸	KD: 13/29 cont: 3/18 <i>p</i> = 0.0457	KD: 22.4 \pm 2.4 cont: 35.8 \pm 2.7 <i>p</i> < 0.0007

*Knockdown of *frma* for line VDRC-KK 102309 was only partial, consistent with a less severe fertility phenotype. Other knockdown flies described above showed the following levels of knockdown: *antr* – near complete; *hdly* – near complete; *Esp* – complete.