

**Table S3. List of transgenes used in this study together with primer sequences used to synthesize the plasmids.**

<b>Name</b>	<b>Array</b>	<b>Citation</b>	<b>Primer sequences</b>
<i>wdIs85</i> , <i>wdEx310</i>	<i>Pceh-12::GFP, unc-119[+]</i>	Von Stetina et al., 2007b	
<i>gmEx365</i>	<i>Plim-4::egl-20::GFP</i>	Pan et al., 2006	
<i>wdIs4</i>	<i>Punc-4::GFP</i>	Esmacili et al., 2002	
<i>wdIs54</i>	<i>Punc-7::UNC-7S::GFP, col-19::GFP</i>	Starich et al., 2009, this work	
<i>wdEx639</i>	<i>Punc-4::MIG-1::YFP; dpy-20[+]</i>		Punc-4_F2 (CCCGGAACTGGGATATAATTTC); Punc-4_REV (ACCGTATCATTTTCACTTTTTG); pPD95.75 3'UTR[X] and Punc-4_MIG-1GFP_OVER (CAAAAAGTGAAAATGATCGGTATGGGACCATTTCGTGGTTA)
<i>wdEx636</i>	<i>Punc-4::_NT-BAR-1; dpy-20[+]</i>		Punc-4_F2 (CCCGGAACTGGGATATAA TTTC); Punc-4_REV (ACCGTATCATTTTCACTTTTTG); 3'BAR-1_NT (GCATGTAGGGATGTTGAAGA); _NT-BAR-1_OVER (CAAAAAGTGAAAATGATCGGTATGGCCGACTATGAGCCGAT)
<i>wdIs65</i> , <i>wyEx184</i> 5	<i>MVC46/Punc-4::NLG-1::GFP1-10, MVC12/Pflp-18::NLG-1::GFP11, Punc-4::mCHERRY, odr-1::RFP</i>	Feinberg et al., 2008, this work	