

**Table S2: Extrachromosomal arrays created during this study.****Note: All mixes were supplemented with New England Biolabs 1kb ladder © to 150ng/ul**

Strain Name	Array Name	Plasmid or PCR-fusion construct	Concentration (ng/ul)
SJU21	<i>stjEx12</i>	pPD118.33 ( <i>myo-2p:gfp</i> ) <i>twk-16p::llaC22:dsRed</i>	5
SJU22	<i>stjEx13</i>		50
SJU26	<i>stjEx17</i>		
SJU36	<i>stjEx24</i>	pCFJ90 ( <i>myo-2p:mCherry</i> ) <i>twk-16p::llaC22:dsRed</i>	5
SJU38	<i>stjEx28</i>		50
SJU86	<i>stjEx70</i>	pPD118.33 ( <i>myo-2p:gfp</i> ) <i>twk-16p::llaC22:dsRed</i>	5
SJU87	<i>stjEx71</i>		50
SJU88	<i>stjEx72</i>		
SJU98	<i>stjEx78</i>	pCFJ90 <i>unc-17p:epac1-camps</i> <i>unc-17p::llaC22:dsRed</i>	5
			25
			25
SJU129	<i>stjEx98</i>	pPD118.33 ( <i>myo-2p:gfp</i> ) <i>snb-1p:PaaC:dsRed</i>	5
SJU131	<i>stjEx100</i>		50
SJU167	<i>stjEx116</i>	pRF4( <i>rol-6(+)</i> ) <i>twk-16p:epac1-camps</i>	50
			50
SJU179	<i>stjEx123</i>	<i>twk-16p:gfp</i> <i>pdf-1p::llaC22:dsRed</i>	50
SJU180	<i>stjEx124</i>		50
SJU181	<i>stjEx124</i>		
SJU182	<i>stjEx126</i>	<i>twk-16p:gfp</i> <i>hlh-17p::llaC22:dsRed</i>	50
SJU183	<i>stjEx127</i>		50
SJU184	<i>stjEx128</i>		
SJU213	<i>stjEx149</i>	pCFJ104( <i>myo-3p:mCherry</i> ) <i>hsp-16.2p:flp-13</i>	50
SJU214	<i>stjEx150</i>		50
SJU215	<i>stjEx151</i>		
SJU216	<i>stjEx152</i>	pCFJ104( <i>myo-3p:mCherry</i> ) <i>hsp-16.2p:pdf-1</i>	50
SJU217	<i>stjEx153</i>		50
SJU218	<i>stjEx154</i>		
SJU219	<i>stjEx155</i>	pCFJ104( <i>myo-3p:mCherry</i> ) <i>hsp-16.2p:flp-24</i>	50
SJU220	<i>stjEx156</i>		50
SJU221	<i>stjEx157</i>		
SJU237	<i>stjEx163</i>	pCFJ90 ( <i>myo-2p:mCherry</i> ) <i>twk-16p:kin-2(sense)-RNAi</i> <i>twk-16p:kin-2(anti-sense)-RNAi</i>	5
SJU239	<i>stjEx165</i>		25
SJU240	<i>stjEx166</i>		25