

Table S1: Oligonucleotides used in this study.

Primer Name	Reverse Primer	Description of Primer	Sequence
<i>unc-17p::llaC22:dsRed</i>			
oSJU30	oSJU36	Upstream of <i>unc-17</i>	CACCAATCATTTCTCCCCTCC
oSJU31	oSJU350	Nested to oSJU30	CATGACAAAGTGGTGACACTGG
oSJU36	oSJU30	-1 to <i>unc-17b</i> and adds llaC22 tail	TAGTCATAAGGCATCCGCGGGCCATCTTGTTTTAG TAGGTTACTATTTTGAAC
oSJU37	oSJU10	llaC22 and adds <i>unc-17b</i> tail	TTGTTCAAATAGTAACCTACTAAAACAAGATGGC CCGCGGATGCCTTATG
<i>twk-16p::llaC22:dsRed</i>			
oSJU52	oSJU50	Upstream of <i>twk-16</i>	CTTTGTAAGCTATGACGTCACTTC
oSJU53	oSJU350	Nested to oSJU52	GACGTCACTTCTTAACAAACGG
oSJU50	oSJU52	+6 to <i>twk-16</i> and adds llaC22 tail	AGATAGTCATAAGGCATCCGCGGGCCATTGTGGT ATCTGGAAGATGGATT
oSJU51	oSJU10	llaC22 and adds <i>twk-16</i> tail	TTTGCAATCCATCTTCCAGATACCACAATGGCCCG CGGATGCCTTATGAC
<i>snb-1p::llaC22:dsRed</i>			
oSJU6	oSJU8	Upstream of <i>snb-1</i>	CTGTTTGTCATAAGTTTCAGCAG
oSJU7	oSJU350	Nested to oSJU6	GTTTCAGCAGGATGTTTCGGATG
oSJU8	oSJU6	-1 to <i>snb-1</i> and adds llaC22 tail	TAGTCATAAGGCATCCGCGGGCCATAGCGTCCAT GTCGTCAAGATG
oSJU9	oSJU10	llaC22 and adds <i>snb-1</i> tail	CATCTTGACGACATGGACGCTATGGCCCGCGGAT GCCTTATG
<i>twk-16(cs1)p::llaC22:dsRed</i>			
oSJU199	oSJU201	<i>cs1</i> and adds <i>pes-10</i> basal promoter tail	AACGCTCGTAATTTGCAAAAAATCGATCGATGCTT TGCAACAAGGCAA
oSJU200	oSJU204	<i>pes-10</i> basal promoter and adds <i>cs1</i> tail	TCTTTTGCCTTGTTGCAAAGCATCGATCGATTTTT TGCAAATTACGAG
oSJU201	oSJU199	Upstream <i>cs1</i>	GACTAAGCTGGCTAAGTTTGC
oSJU202	oSJU205	Nested to 201	GCTAAGTTTGCAAGTTCATC
oSJU203	oSJU206	Nested to 202	TTTGTGTTTTTTACACGGATC
oSJU204	oSJU200	3' of <i>pes-10</i>	CAGACAAGAACTGTGGGAC
oSJU205	oSJU202	Nested to 204	AACACTGTGGGACAAGCTTTG
oSJU206	oSJU203	<i>pes-10</i> basal promoter and adds llaC22	ATAGTCATAAGGCATCCGCGGGCCATCTGAAAGTT

		tail	AAAAATTACAGTAT
oSJU207	oSJU10	IlaC22 and adds <i>pes-10</i> tail	TTATACTGTAATTTTAACTTTTCAGATGCCCCGCGG ATGCCTTATGAC
<i>twk-16p:epac1-camps</i>			
oSJU348	oSJU357	5' of <i>twk-16</i> and adds a NarI site	AATTGGTACCTGTGGTATCTGGAAGATGGATTG
oSJU357	oSJU348	+1 to <i>twk-16</i> and adds a KpnI site	TATATGGCGCCCTTTGTAAGCTATGACGTCACTTC
<i>unc-17p:epac1-camps</i>			
oSJU166	oSJU167	5' of <i>unc-17</i> and adds a bglII site	TATAAGATCTCATGACAAAGTGGTGACACTGG
oSJU167	oSJU166	+1 to <i>unc-17b</i> and adds a PvuI site	TATACGATCGCTTGTTTTAGTAGGTTACTATTTTG
oSJU132	oSJU133	5' of <i>unc-54</i> 3'UTR and adds XhoI site	TATAGCGGCCGCCATTCGTAGAATTCCAACTGAGC
oSJU133	oSJU132	3' of <i>unc-54</i> 3'UTR and adds ApaI site	TATAGGGCCCCTTGCATCGTGCTCATCAATAC
<i>snb-1p:PaaC:dsRed</i>			
oSJU284	oSJU286	-1 to <i>snb-1</i> and adds PaaC tail	AGAATGGAAGTGGATCTCGAGCCATGTCGTCAAG ATGGTCTTATCCG
oSJU285	oSJU286	+1 to PaaC and adds <i>snb-1</i> tail	AACAGCCGGATAAGACCATCTTGACGACATGGCT CGAGATCCACTTCCATT
oSJU286	oSJU285	Stop of Paac and adds <i>gpd-2/gpd-3</i> tail from the plasmid pLR304	TGGGTCTTTGGCCAATCCCGGCCGCTTAATGGTG GTGATGGTGATGAG
oSJU287	oSJU349	<i>gpd-2/gpd-3</i> and adds PaaC tail	TAGTGCTCATCACCATCACCACCATTAAGCGGCCG GGATTGGCCAAAG
<i>pdfr-1p:IlaC22:dsRed</i>			
oSJU459	oSJU461	5' of <i>pdfr-1</i>	GACACAAAATTCACTACTTTTCAGC
oSJU460	oSJU350	Nested to oSJU459	CACTACTTTTCAGCGACCTTTACTTG
oSJU461	oSJU459	-1 to <i>pdfr-1</i> and adds IlaC22 tail	AGATAGTCATAAGGCATCCGCGGGCCATGATATG AGTCAGTGATGAAGTTC
oSJU462	oSJU10	+1 to IlaC22 and adds <i>pdfr-1</i> tail	TTTCAGAACTTCATCACTGACTCATATCATGGCC CGCGGATGCCTTATG
<i>hlh-17p:IlaC22:dsRed</i>			
oSJU435	oSJU437	5' of <i>hlh-17</i>	GACACATTTTCGATTGACATATAG
oSJU436	oSJU350	Nested to oSJU435	GATTGACATATAGACACTTTGAAG
oSJU437	oSJU435	-1 to <i>hlh-17</i> and adds IlaC22 tail	AGATAGTCATAAGGCATCCGCGGGCCATCATTGTA ACGACAACCTATTTTC
oSJU438	oSJU10	+1 to IlaC22 and adds <i>hlh-17</i> tail	TTTTCGGGAAATAGTTGTCGTTACAATGATGGCCC GCGGATGCCTTATG
<i>hsp-16.2p:flp-13</i>			

oSJU18	oSJU489	-363 to <i>hsp-16.2</i>	GAAGTTTTTTAGATGCACTAG
oSJU19	oSJU492	Nested to oSJU18	GTTTTTTAGATGCACTAGAAC
oSJU489	oSJU18	-1 to <i>hsp-16.2</i> and adds <i>flp-13</i> tail	ATAGTGAGCAGTGACGTCATCATGATTATAGTTG AAGATTTCTAATTC
oSJU490	oSJU491	+1 to <i>flp-13</i> and adds <i>hsp-16.2</i> tail	AAATTAGAAATCTTCAAACCTATAATCATGATGACG TCACTGCTCACTATC
oSJU491	oSJU489	3' of <i>flp-13</i>	CTGTTTAGTCGTTTTCAAACCG
oSJU492	oSJU19	Nested to oSJU491	GTTTTCAAACCGGTATTTCAATG
<i>hsp-16.2p:flp-24</i>			
oSJU517	oSJU18	-1 to <i>hsp-16.2</i> and adds <i>flp-24</i> tail	GATGATGGACGATGTGCGCGACGACAACATGATT ATAGTTTGAAGATTC
oSJU518	oSJU519	+1 to <i>flp-24</i> and adds <i>hsp-16.2</i> tail	TGAAATTAGAAATCTTCAAACCTATAATCATGTTGTC GTCGCGCACATCG
oSJU519	oSJU518	3' of <i>flp-24</i>	GTTGCTCCAATGCTTATCTACAC
oSJU520	oSJU19	Nested to oSJU519	CAATGCTTATCTACACTGCAATTAC
<i>hsp-16.2p:pdf-1</i>			
oSJU499	oSJU18	-1 to <i>hsp-16.2</i> and adds <i>pdf-1</i> tail	AATCATTGAAATGATGAATCTGTTCATCATGATTAT AGTTTGAAGATTC
oSJU450	oSJU519	+1 to <i>pdf-1</i> and adds <i>hsp-16.2</i> tail	TTAGAAATCTTCAAACCTATAATCATGATGAACAGA TTCATCATTTCAATG
oSJU501	oSJU518	3' of <i>pdf-1</i>	GAAAAGTAATGTAACCTAAAATTTAGTAG
oSJU504	oSJU19	Nested to oSJU501	CACATTCTCAATTTAATATTGCAACTTAC
<i>twk-16p:kin-2(Sense)-RNAi</i>			
oSJU528	oSJU52	-1 to <i>twk-16</i> and adds <i>kin-2</i> sense tail	AGATAGTCATAAGGCATCCGCGGGCCATTGTGGT ATCTGGAAGATGGATT
oSJU529	oSJU530	+4620 to <i>kin-2a</i> and adds <i>twk-16</i> tail	TTTGCAATCCATCTTCCAGATACCACAATGGCCCG CGGATGCCTTATGAC
oSJU530	oSJU529	+5594 to <i>kin-2a</i>	GAAATAGTCCGACATTCCAAGATG
oSJU531	oSJU53	Nested to oSJU530	GTCCGACATTCCAAGATGTCCG
<i>twk-16p:kin-2(anti-sense)-RNAi</i>			
oSJU532	oSJU52	-1 to <i>twk-16</i> and adds <i>kin-2</i> anti-sense tail	ATCTTGGAATGTCGGACTATTTGCGATTGTGGTAT CTGGAAGATGGATTG
oSJU533	oSJU534	+5594 to <i>kin-2a</i> and adds <i>twk-16</i> tail	TGCAATCCATCTTCCAGATACCACAATGCGAAATA GTCCGACATTCCAAG
oSJU534	oSJU533	+4620 to <i>kin-2a</i>	GAGGAAATCCGGACGCTGCTG

oSJU535	oSJU53	Nested to oSJU534	GAAATCCGGACGCTGCTGATG
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