

Table S1: Strains generated for this study

Strain Name	Genotype	Parent Strain
LP309	<i>his-72(cp73[mNG^SEC^3xFlag::his-72])</i> III	N2
LP310	<i>his-72(cp74[mNG^3xFlag::his-72])</i> III	LP309
LP311	<i>his-72(cp75[mNG^SEC^3xFlag::his-72])</i> III	N2
LP312	<i>his-72(cp76[mNG^3xFlag::his-72])</i> III	LP310
LP327	<i>his-72(cp79[mNG^SEC^3xFlag::his-72])</i> III	N2
LP328	<i>his-72(cp80[mNG^3xFlag::his-72])</i> III	LP327
LP329	<i>his-72(cp81[mNG^SEC^3xFlag::his-72])</i> III	N2
LP330	<i>his-72(cp82[mNG^3xFlag::his-72])</i> III	LP329
LP331	<i>his-72(cp83[mNG^SEC^3xFlag::his-72])</i> III	N2
LP332	<i>his-72(cp84[mNG^3xFlag::his-72])</i> III	LP331
LP333	<i>his-72(cp85[mNG^SEC^3xFlag::his-72])</i> III	N2
LP334	<i>his-72(cp86[mNG^3xFlag::his-72])</i> III	LP333
LP335	<i>his-72(cp87[mNG^SEC^3xFlag::his-72])</i> III	N2
LP336	<i>his-72(cp88[mNG^3xFlag::his-72])</i> III	LP335
LP337	<i>his-72(cp89[mNG^SEC^3xFlag::his-72])</i> III	N2
LP338	<i>his-72(cp90[mNG^3xFlag::his-72])</i> III	LP337
LP339	<i>his-72(cp91[mNG^SEC^3xFlag::his-72])</i> III	N2
LP340	<i>his-72(cp92[mNG^3xFlag::his-72])</i> III	LP339
LP341	<i>his-72(cp93[mNG^SEC^3xFlag::his-72])</i> III	N2
LP342	<i>his-72(cp94[mNG^3xFlag::his-72])</i> III	LP341
LP343	<i>his-72(cp95[mNG^SEC^3xFlag::his-72])</i> III	N2
LP344	<i>his-72(cp96[mNG^3xFlag::his-72])</i> III	LP343
LP323	<i>cpls59[Pmex-5::GFP::tbb-2 3'UTR + SEC]</i> II	N2
LP324	<i>cpls60[Pmex-5::GFP::tbb-2 3'UTR + SEC]</i> II	N2
LP325	<i>cpls61[Pmex-5::GFP::tbb-2 3'UTR + SEC]</i> II	N2
LP326	<i>cpls62[Pmex-5::GFP::tbb-2 3'UTR + SEC]</i> II	N2
LP345	<i>ebp-2(cp97[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP346	<i>ebp-2(cp98[mNG^3xFlag::ebp-2])</i> II	LP345
LP347	<i>ebp-2(cp99[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP348	<i>ebp-2(cp100[mNG^3xFlag::ebp-2])</i> II	LP347
LP349	<i>ebp-2(cp101[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP350	<i>ebp-2(cp102[mNG^3xFlag::ebp-2])</i> II	LP349
LP351	<i>ebp-2(cp103[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP352	<i>ebp-2(cp104[mNG^3xFlag::ebp-2])</i> II	LP351
LP353	<i>ebp-2(cp105[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP354	<i>ebp-2(cp106[mNG^3xFlag::ebp-2])</i> II	LP353
LP355	<i>ebp-2(cp107[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP356	<i>ebp-2(cp108[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP357	<i>ebp-2(cp109[mNG^3xFlag::ebp-2])</i> II	LP356
LP358	<i>ebp-2(cp110[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP359	<i>ebp-2(cp111[mNG^3xFlag::ebp-2])</i> II	LP358
LP360	<i>ebp-2(cp112[mNG^SEC^3xFlag::ebp-2])</i> II	N2
LP361	<i>gex-3(cp113[mNG^SEC^3xFlag::gex-3])</i> IV / <i>nT1 [qls51]</i> (IV;V)	N2
LP362	<i>gex-3(cp114[mNG^3xFlag::gex-3])</i> IV	LP361
LP363	<i>mex-5(cp115[mNG^SEC^3xFlag::mex-5])</i> / + IV	N2
LP364	<i>mex-5(cp116[mNG^3xFlag::mex-5])</i> IV	LP363
LP365	<i>mex-5(cp117[mNG^SEC^3xFlag::mex-5])</i> / + IV	N2
LP366	<i>mex-5(cp118[mNG^SEC^3xFlag::mex-5])</i> / + IV	N2
LP367	<i>mex-5(cp119[mNG^3xFlag::mex-5])</i> IV	LP366
LP368	<i>mex-5(cp120[mNG^SEC^3xFlag::mex-5])</i> / + IV	N2
LP369	<i>mex-5(cp121[mNG^3xFlag::mex-5])</i> IV	LP368
LP370	<i>mex-5(cp122[mNG^SEC^3xFlag::mex-5])</i> / + IV	N2
LP371	<i>mex-5(cp123[mNG^3xFlag::mex-5])</i> IV	LP370
LP372	<i>mex-5(cp124[mNG^SEC^3xFlag::mex-5])</i> / + IV	N2
LP373	<i>mex-5(cp125[mNG^3xFlag::mex-5])</i> IV	LP372
LP374	<i>nmy-2(cp126[mNG^SEC^3xFlag::nmy-2])</i> / + I	N2
LP375	<i>nmy-2(cp127[mNG^3xFlag::nmy-2])</i> I	LP374

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LP376	<i>nmy-2(cp128[mNG^SEC^3xFlag::nmy-2]) / +</i>	N2
LP377	<i>nmy-2(cp129[mNG^3xFlag::nmy-2])</i>	LP376
LP378	<i>nmy-2(cp130[mNG^SEC^3xFlag::nmy-2])</i> / <i>hT2 [bli-4(e937) let-(q782) qIs48]</i> (I;III)	N2
LP379	<i>nmy-2(cp131[mNG^SEC^3xFlag::nmy-2]) / +</i>	N2
LP380	<i>nmy-2(cp132[mNG^3xFlag::nmy-2])</i>	LP379
LP381	<i>nmy-2(cp133[mNG^SEC^3xFlag::nmy-2])</i> / <i>hT2 [bli-4(e937) let-(q782) qIs48]</i> (I;III)	N2
LP382	<i>nmy-2(cp134[mNG^3xFlag::nmy-2])</i>	LP381
LP383	<i>nmy-2(cp135[mNG^SEC^3xFlag::nmy-2]) / +</i>	N2
LP384	<i>nmy-2(cp136[mNG^3xFlag::nmy-2])</i>	LP383
LP385	<i>nmy-2(cp137[mNG^SEC^3xFlag::nmy-2])</i> / <i>hT2 [bli-4(e937) let-(q782) qIs48]</i> (I;III)	N2
LP386	<i>nmy-2(cp138[mNG^SEC^3xFlag::nmy-2]) / +</i>	N2
LP387	<i>nmy-2(cp139[mNG^3xFlag::nmy-2])</i>	LP386
LP388	<i>nmy-2(cp140[mNG^SEC^3xFlag::nmy-2]) / +</i>	N2
LP389	<i>nmy-2(cp141[mNG^3xFlag::nmy-2])</i>	LP388
LP390	<i>oma-2(cp142[mNG^SEC^3xFlag::oma-2])</i> V	N2
LP391	<i>oma-2(cp143[mNG^3xFlag::oma-2])</i> V	LP390
LP392	<i>oma-2(cp144[mNG^SEC^3xFlag::oma-2])</i> V	N2
LP393	<i>oma-2(cp145[mNG^3xFlag::oma-2])</i> V	LP392
LP394	<i>rap-1(cp146[mNG^SEC^3xFlag::rap-1])</i> IV	N2
LP395	<i>rap-1(cp147[mNG^3xFlag::rap-1])</i> IV	LP394
LP396	<i>rap-1(cp148[mNG^SEC^3xFlag::rap-1])</i> IV	N2
LP397	<i>rap-1(cp149[mNG^3xFlag::rap-1])</i> IV	LP396
LP398	<i>rap-1(cp150[mNG^SEC^3xFlag::rap-1])</i> IV	N2
LP399	<i>rap-1(cp151[mNG^3xFlag::rap-1])</i> IV	LP398
LP400	<i>nmy-2(cp152[mNG^3xFlag::nmy-2])</i>	LP385