

**Table S1. Strains**

Strain Name	Genotype
CB113	<i>unc-17(e113) IV</i>
CB211	<i>lev-1(e211) IV</i>
CB933	<i>unc-17(e245) IV</i>
CB1072	<i>unc-29(e1072) I</i>
CE1255	<i>cep-1(ep347) I</i>
CZ9957	<i>gtl-2(n2618) IV</i>
DA453	<i>eat-2(ad453)II</i>
DA465	<i>eat-2(ad465)II</i>
DA1674	<i>acr-19(ad1674) I</i>
EAB1	<i>sms-1(ok2399) IV</i>
EAB21	N2 <i>mchEx21 [Pacr-7::GFP, rol-6(su1006)]</i>
EAB22	N2 <i>mchEx22 [Pacr-7::GFP, rol-6(su1006)]</i>
EAB23	N2 <i>mchEx23 [Pacr-7::GFP, rol-6(su1006)]</i>
EAB24	N2 <i>mchEx24 [Pacr-7::GFP, rol-6(su1006)]</i>
EAB39	<i>acr-7(tm863) II mchEx39 [Pacr-7::acr-7::GFP, Pmyo-3::DsRed2]</i>
EAB40	<i>acr-7(tm863) II mchEx40 [Pacr-7::acr-7::GFP, Pmyo-3::DsRed2]</i>
EAB41	<i>acr-7(tm863) II mchEx41 [Pacr-7::acr-7::GFP, Pmyo-3::DsRed2]</i>
EAB100	<i>age-1(hx546) II</i>
EAB101	<i>scla-1(tm4806) IV</i>
EAB102	<i>scla-1(tm4534) IV</i>
EAB103	<i>ins-22(ok3616) III</i>
EAB200	<i>acr-7(tm863) II</i>
EAB201	<i>acr-16(ok789) V</i>
EAB207	<i>acr-7(tm863) II mchEx207 [Pmyo-2::acr-7, Pmyo-3::DsRed2]</i>
EAB208	<i>acr-7(tm863) II mchEx208 [Pmyo-2::acr-7, Pmyo-3::DsRed2]</i>
EAB211	<i>acr-7(tm863) II mchEx211 [Pmyo-2::acr-7::GFP, Pmyo-3::DsRed2]</i>
FX863	<i>acr-7(tm863) II</i>
LH202	<i>gtl-2(tm1463) IV</i>
MT6205	<i>cha-1(n2411) IV</i>
NA	<i>F22B3.8(tm4806) IV</i>
NA	<i>F22B3.8(tm4534) IV</i>
NC467	<i>acr-5(ok205) III</i>
NG39	<i>ina-1(gm39) III</i>
NL4256	<i>rrf-3(pk1426) II</i>
PR1152	<i>cha-1(p1152) IV</i>
RB918	<i>acr-16(ok789) V</i>
RB1132	<i>acr-14(ok1155) II</i>
RB1142	<i>lron-6(ok1119) I</i>
RB1172	<i>acr-15(ok1214) V</i>
RB1195	<i>acr-8(ok1240) X</i>
RB1226	<i>acr-18(ok1285) V</i>

<b>Table S1. Strains</b>	
RB1250	<i>acr-21(ok1314) III</i>
RB1263	<i>acr-11(ok1345) I</i>
RB1559	<i>acr-2(ok1887) X</i>
RB1659	<i>acr-3(ok2049) X</i>
RB1854	<i>sms-1(ok2399) IV</i>
RB2119	<i>acr-23(ok2804) V</i>
RB2250	<i>puf-6(ok3044) II</i>
RB2294	<i>acr-6(ok3117) I</i>
RB2295	<i>acr-10(ok3118) X</i>
RB2594	<i>ins-22(ok3616) III</i>
TG12	<i>cep-1(lg12501) I; unc-119(ed4) III; gtl1s1 [CEP-1::GFP, unc-119(+)]</i>
TJ1	<i>cep-1(gk138) I</i>
TJ1052	<i>age-1(hx546) II</i>
VC188	<i>acr-12(ok367) X</i>
VC649	<i>acr-9(ok933) X</i>
VC731	<i>unc-63(ok1075) I</i>
VC1408	<i>magi-1(gk657) IV</i>
XY1054	<i>cep-1(lg12501) I</i>
ZZ15	<i>lev-8(x15) X</i>