

Supplementary Table I

Strain name	Genotype
EG4085	<i>snf-3(ox354) II; egl-8(sa47) V; oxEx771[B0348(egl-8⁺); rol-6(d); Pmyo-2::GFP]</i>
EG4094	<i>egl-8(sa47) V; oxEx771[B0348(egl-8⁺); rol-6(sd); Pmyo-2::GFP]</i>
EG4769	<i>snf-3(ox354) II; egl-8(sa47) V; oxEx1067[snf-3::GFP(pPDI14.24); Pmyo-2::mCherry; Punc-122::GFP]</i>
EG5005	<i>snf-3(ox354) II; egl-8(sa28) V</i>
EG5006	<i>snf-3(ox354) II; egl-8(n488) V</i>
EG5051	<i>snf-3(ox354) II ; egl-8(sa47) V; oxIs12[Punc-47::GFP, lin-15+] X; oxEx1208[Pdpy-30::snf-3::mCherry; Pmyo-2::mCherry]</i>
EG5052	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP, lin-15(+)] X; oxEx1209[Ppdi-2::snf-3::mCherry]</i>
EG5059	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP, lin-15+] X; oxEx1219[Prab-3::egl-8-mCherry; Pmyo-2::GFP; ladder]</i>
EG5060	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP; lin-15+] X; oxEx1220[Pdpy-30::egl-8-mcherry; Pmyo-2::GFP; ladder]</i>
EG5124	<i>snf-3(ok293) II; egl-8(sa47) V</i>
EG5485	<i>unc-22(ox431) IV</i>
EG6315	<i>snf-3(ok293) II</i> from RM2716 outcrossed twice against N2
EG6326	<i>acr-23(ox429) V</i>
EG6327	<i>snf-3(ox354) II; acr-23(ox429) V</i>
EG6328	<i>snf-3(ox354) II; acr-23(ok2804) V</i>
EG6544	<i>snf-3(ox354) II; egl-8(sa47) V; acr-23(ok2804) V</i>
EG6566	<i>acr-23(ox429) V</i>
EG6785	<i>lin-15(n765ts) X; oxEx1595[acr-23(I301N); lin-15(+)]</i>
EG6786	<i>lin-15(n765ts) X; oxEx1596[acr-23(I301N); lin-15(+)]</i>
EG6879	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP; lin-15(+)]X; oxEx1179[Pvha-6::snf-3::mCherry]</i>
EG6881	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP; lin-15(+)] X; oxEx1246[Podr-4::snf-3::mCherry]</i>
EG6882	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP; lin-15(+)] X; oxEx1245[Punc-17::snf-3::mCherry]</i>
EG6885	<i>snf-3(ox354) II</i> outcrossed seven times against N2
EG6887	<i>snf-3(ox354) II; egl-8(sa47) V</i>
EG6888	<i>lin-15(n765ts) X; oxEx1614[Psnf-3::GFP::snf-3::let-858; lin-15(+); Pmyo-2::mCherry; Punc-122::GFP]</i>
EG6958	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP; lin-15(+)] X; oxEx1618[Pgtl-3::snf-3::mCherry]</i>
EG6957	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP; lin-15(+)] X; oxEx1617[Psnf-3::snf-3::mCherry]</i>
EG7080	<i>snf-3(ok293) II; acr-23(ox429) V</i>
EG7081	<i>snf-3(ox354) II; egl-8(sa47) V</i> outcrossed 4 times against N2
EG7083	<i>unc-54(e190) I; snf-3(ox354) II; egl-8(sa47) V</i>
EG7084	<i>unc-54(e1092) I; snf-3(ox354) II; egl-8(sa47) V</i>
EG7345	<i>lin-15(n765ts) X; oxEx1790[Pmyo-3::acr-23(I301N); lin-15(+)]</i>

EG7346	<i>lin-15(n765ts) X; oxEx1791[Pmyo-3::acr-23(I301N); lin-15(+)]</i>
EG7347	<i>lin-15(n765ts) X; oxEx1792[Pmec-7::acr-23(I301N); lin-15(+)]</i>
EG7348	<i>lin-15(n765ts) X; oxEx1793[Pmec-7::acr-23(I301N); lin-15(+)]</i>
EG7416	<i>lin-15(n765ts) X; oxEx1790[Pacr-23::mCherry::let-858; lin-15(+); Pmyo-2::GFP]</i>
EG7513	<i>snf-3(ox354) II; egl-8(sa47) V</i> outcrossed 11 times against N2
EG7681	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP; lin-15(+)] X; oxEx1219[Prab-3::egl-8-mCherry; Pmyo-2::GFP; ladder]</i>
EG7682	<i>snf-3(ox354) II; egl-8(sa47) V; oxIs12[Punc-47::GFP; lin-15(+)] X; oxEx1236[Pdpy-7::egl-8cDNA::mCherry; Pmyo-2::GFP]</i>
EG7685	<i>snf-3(ox354) II; egl-8(sa47) V; oxEx1906[Pvha-6::egl-8::mCherry; Pmyo2::GFP]</i>
EG7686	<i>snf-3(ox354) II; egl-8(sa47) V; oxEx1906[Pvha-6::egl-8::mCherry; Pmyo2::GFP]</i>
EG7710	<i>acr-23(ok2804) V</i> from RB2119 outcrossed 4 times against N2
EG7711	<i>snf-3(ox354) II; egl-8(sa47) V; oxEx1909[Punc-17::egl-8::mCherry; Pmyo-2::GFP]</i>
EG7712	<i>snf-3(ox354) II; egl-8(sa47) V; oxEx1909[Punc-17::egl-8::mCherry; Pmyo-2::GFP]</i>
EG8006	<i>snf-3(ox354) II; egl-8(sa47) V; oxEx1925[Pvit-2::snf-3::mCherry; Pmyo-2::GFP]</i>
EG8007	<i>snf-3(ox354) II; egl-8(sa47) V; oxEx1925[Pvit-2::snf-3::mCherry; Pmyo-2::GFP]</i>
EG8033	<i>egl-8(sa47) V</i> outcrossed 10 times against N2
EG8093	<i>oxEx1208[Pdpy-30::snf-3::mCherry; Pmyo-2::mCherry]</i>
EG8095	<i>acr-23(ox429) V</i> outcrossed 4 times against N2
EG8099	<i>acr-23(ox429) V; oxEx1959[Pacr-23::acr-23::acr-23 3'utr; Pmyo-2::GFP]</i>
EG8100	<i>acr-23(ox429) V; oxEx1959[Pacr-23::acr-23::acr-23 3'utr; Pmyo-2::GFP]</i>
EG8103	<i>acr-23(ox429) V; oxEx1962[Pmec-7::acr-23::let-858utr; Pmyo-2::mCherry; Punc-122::mCherry]</i>
EG8105	<i>acr-23(ox429) V; oxEx1962[Pmec-7::acr-23::let-858utr; Pmyo-2::mCherry; Punc-122::mCherry]</i>
EG8106	<i>acr-23(ox429) V; oxEx1965[Prab-3::acr-23-gfp::let-858utr; Pmyo-2::mCherry]</i>
EG8108	<i>acr-23(ox429) V; oxEx1965[Prab-3::acr-23-gfp::let-858utr; Pmyo-2::mCherry]</i>
EG8109	<i>acr-23(ox429) V; oxEx1969[Pmyo-3::acr-23::GFP::let-858utr; Pmyo-2::mCherry]</i>
EG8110	<i>acr-23(ox429) V; oxEx1969[Pmyo-3::acr-23::GFP::let-858utr; Pmyo-2::mCherry]</i>
JT47	<i>egl-8(sa47) V</i>
RB2119	<i>acr-23(ok2804) V</i>
RM2716	<i>snf-3(ok293) II; dpy-11(e224) V</i>