

Fig. 1c top panels

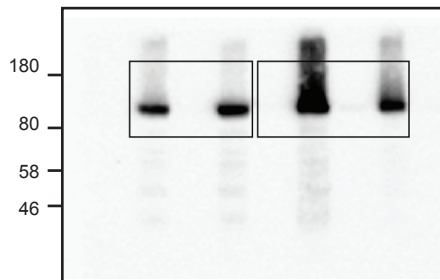


Fig. 1c bottom panel

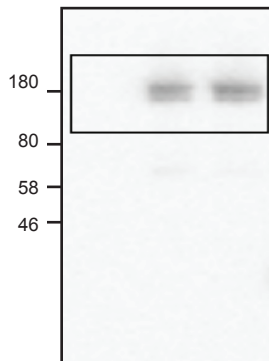


Fig. 1c bottom panel

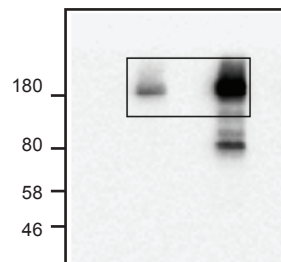


Fig. 5a top panel

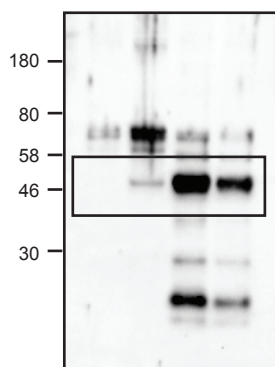


Fig. 5a bottom panel

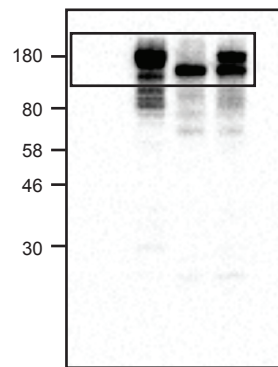


Fig. 5b top panel

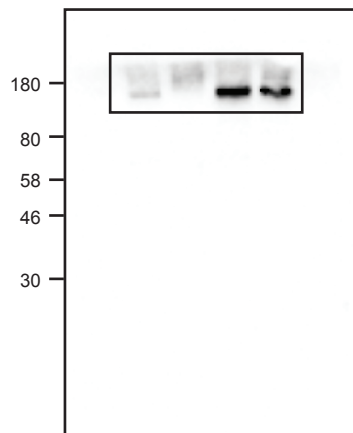


Fig. 5b bottom panel

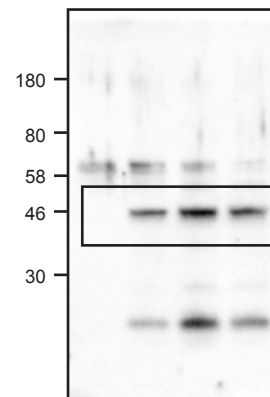


Fig. 5c top panel

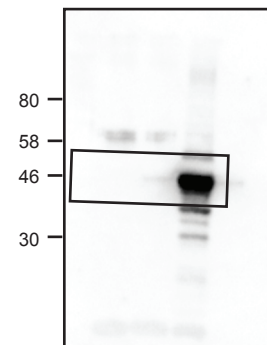


Fig. 5c bottom panel

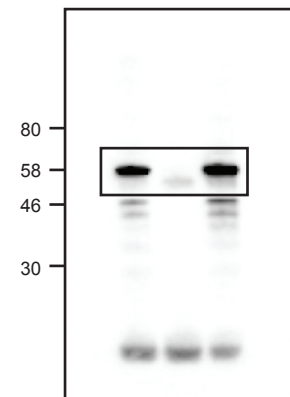


Fig. 5d top panel

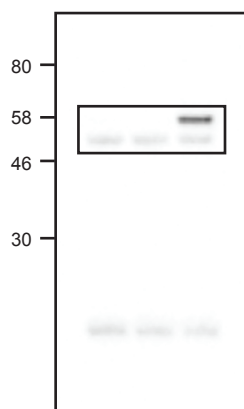
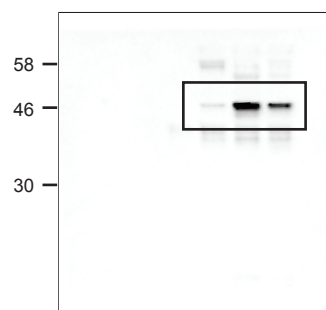


Fig. 5d bottom panel



Supplementary Table 1 Strain list

Strain number	Genotype
	N2
AX204	<i>npr-1(ad609)X</i>
AX5671	<i>npr-1(ad609)X; ilcr-1(db719)IV</i>
AX5663	<i>npr-1(ad609)X; ilcr-1(tm5866)IV</i>
AX5668	<i>npr-1(ad609)X ilc-17.1(db1039)X</i>
AX5673	<i>npr-1(ad609)X ilc-17.1(tm5124)X</i>
AX5689	<i>npr-1(ad609)X ilc-17.1(tm5218)X</i>
AX5656	<i>npr-1(ad609)X; ilcr-2(db1186)II</i>
AX5658	<i>npr-1(ad609)X; ilcr-2(db1187)II</i>
AX5699	<i>npr-1(ad609)X; ilcr-1(tm5866)IV; ilc-17.1(tm5124)X</i>
AX5703	<i>npr-1(ad609)X; ilcr-1(tm5866)IV; ilc-17.1(tm5218)X</i>
AX5697	<i>npr-1(ad609)X; ilcr-1(tm5866)IV; ilcr-2(db1186)II</i>
AX5695	<i>npr-1(ad609)X; ilcr-1(tm5866)IV; ilcr-2(db1187)II</i>
AX5702	<i>npr-1(ad609)X ilc-17.1(tm5124)X; ilcr-2(db1186)II</i>
AX5693	<i>npr-1(ad609)X ilc-17.1(tm5124)X; ilcr-2(db1187)II</i>
AX5692	<i>npr-1(ad609)X ilc-17.1(tm5218)X; ilcr-2(db1186)II</i>
AX5701	<i>npr-1(ad609)X ilc-17.1(tm5218)X; ilcr-2(db1187)II</i>
AX5706	<i>npr-1(ad609)X ilc-17.1(tm5218)X; ilcr-2(db1187)II; ilcr-1(tm5866)IV</i>
AX5709	<i>npr-1(ad609)X; ilcr-1(tm5866)IV; dbEx778[pilcr-1::ilcr-1::sl2::mcherry; ccGFP]</i>
AX5760	<i>npr-1(ad609)X ilc-17.1(tm5218)X; dbEx739[pilc-17.1::ilc-17.1::sl2::mcherry; ccGFP]</i>
AX5754	<i>npr-1(ad609)X; ilcr-2(db1187)II; dbEx790[pilcr-2::ilcr-2::sl2::mcherry; ccGFP]</i>
AX5711	<i>npr-1(ad609)X; ilcr-1(tm5866)IV; dbEx779[pilcr-1::ilcr-1::gfp; ccRFP]</i>
AX5822	<i>npr-1(ad609)X ilc-17.1(tm5218)X; dbEx802[pilc-17.1::ilc-17.1(codon 31)::mcherry::ilc-17.1; ccGFP]</i>
AX5927	<i>npr-1(ad609)X; ilcr-2(db1187)II; dbEx831[ilcr-2::gfp fosmid tagging; ccRFP]</i>
AX5713	<i>npr-1(ad609); ilcr-1(tm5866); dbEx780[pnpr-1::ilcr-1::sl2::mcherry, ccGFP]</i>
AX5820	<i>npr-1(ad609); ilcr-1(tm5866); dbEx780[pflp-5::ilcr-1::sl2::mcherry, ccGFP]</i>
AX5837	<i>npr-1(ad609); ilcr-1(tm5866); dbEx780[pflp-6::ilcr-1::sl2::mcherry, ccGFP]</i>
AX5848	<i>npr-1(ad609); ilcr-2(db1187); dbEx812[pnpr-1::ilcr-2::sl2::mcherry; ccGFP]</i>
AX5860	<i>npr-1(ad609); ilcr-2(db1187); dbEx812[pflp-5::ilcr-</i>

	<i>2::sl2::mcherry;ccGFP</i>
AX5929	<i>npr-1(ad609); ilcr-2(db1187); dbEx812[pflp-6::ilcr-2::sl2::mcherry;ccGFP]</i>
AX5762	<i>npr-1(ad609) ilc-17.1(tm5218);dbEx784[pvha-6::ilc-17.1::sl2::mcherry; ccGFP]</i>
AX5788	<i>npr-1(ad609) ilc-17.1(tm5218);dbEx797[pges-1::ilc-17.1::sl2::mcherry; ccGFP]</i>
AX5790	<i>npr-1(ad609) ilc-17.1(tm5218);dbEx798[pges-1::cre::unc-54 3'UTR; ccRFP]</i>
AX5792	<i>npr-1(ad609) ilc-17.1(tm5218);dbEx799[pvha-6::loxp-stop-loxp::ilc-17.1; ccGFP]</i>
AX5719	<i>npr-1(ad609); ilcr-1(tm5866);dbEX783[phsp-16.41::ilcr-1::sl2::mcherry,ccGFP]</i>
AX5739	<i>npr-1(ad609);ilc-17.1(db1039);dbEx789[phsp-16.41::ilc-17.1::sl2::mcherry,ccGFP]</i>
AX5840	<i>npr-1(ad609);ilcr-2(db1187)dbEx808[phsp-16.41::ilcr-2::sl2::mcherry,ccGFP]</i>
AX5795	<i>npr-1(ad609); ilcr-1(tm5866); dbEx614[pgcy-37::YC2.60::unc-54 3'utr; ccRFP]</i>
AX5797	<i>npr-1(ad609); ilc-17.1(tm5218); dbEx614[pgcy-37::YC2.60::unc-54 3'utr; ccRFP]</i>
AX5800	<i>npr-1(ad609); ilcr-2(db1187); dbEx614[pgcy-37::YC2.60::unc-54 3'utr; ccRFP]</i>
AX5801	<i>npr-1(ad609); ilcr-2(db1187); dbEx637[pRMG::YC2.60; ccRFP]</i>
AX5809	<i>npr-1(ad609); ilcr-1(tm5866); dbEx637[pRMG::YC2.60; ccRFP]</i>
AX5811	<i>npr-1(ad609) ilc-17.1(tm5218); dbEx637[pRMG::YC2.60; ccRFP]</i>
AX5909	<i>npr-1(ad609); pik-1(tm2167)</i>
AX5918	<i>npr-1(ad609); pik-1(tm2167); dbEx829[ppik-1::pik-1::SL2::mcherry; ccGFP]</i>
AX5931	<i>npr-1(ad609); pik-1(tm2167); dbEx830[pflp-5::pik-1::SL2::mcherry; ccGFP]</i>
AX5892	<i>npr-1(ad609); pik-1(tm2167); ilc-17.1(tm5218)</i>
AX5933	<i>npr-1(ad609); pik-1(tm2167); ilc-17.1(tm5218); dbEx739[pilc-17.1::ilc-17.1::sl2::mcherry; ccGFP]</i>
AX3544	<i>npr-1(ky13) actl-1(db789)</i>
AX5999	<i>npr-1(ky13) actl-1(db789); dbEx848[actl-1 fosmids, ccGFP]</i>
AX6007	<i>npr-1(ad609) actl-1(db1202)</i>
AX6008	<i>npr-1(ad609) actl-1(db1203)</i>
AX6047	<i>npr-1(ad609) actl-1(db1203); dbEx857[pactl-1::actl-1::sl2::mcherry; ccGFP]</i>
AX6050	<i>npr-1(ad609) actl-1(db1203); dbEx858[pflp-5::actl-1::sl2::mcherry; ccGFP]</i>
AX6053	<i>npr-1(ad609) actl-1(db1203); dbEx859[pflp-6::actl-1::sl2::mcherry; ccGFP]</i>

AX6016	<i>npr-1(ad609) actl-1(db1203); dbEx614[pgcy-37::YC2.60::unc-54 3'utr; ccRFP]</i>
AX6013	<i>npr-1(ad609) actl-1(db1203); dbEx637[pRMG::YC2.60; ccRFP]</i>
AX6089	<i>npr-1(ad609) ilc-17.1(tm5218) actl-1(db1203); dbEx637[pRMG::YC2.60; ccRFP]</i>
AX6092	<i>npr-1(ad609); pik-1(tm2167); actl-1(db1203); dbEx637[pRMG::YC2.60; ccRFP]</i>
AX6098	<i>npr-1(ad609); ynIs49[pflp-5::gfp]</i>
AX6099	<i>npr-1(ad609); ilcr-1(tm5866); ynIs49[pflp-5::gfp]</i>
AX6101	<i>npr-1(ad609); ilcr-2(db1187); ynIs49[pflp-5::gfp]</i>
AX5937	<i>N2; dbEX739[pilc-17.1::ilc-17.1::sl2::mcherry; ccGFP]</i>
AX5772	<i>npr-1(ad609); ilcr-1(tm5866); dbEx796[pacr-2::ilcr-1::sl2mcherry; ccGFP]</i>
AX5764	<i>npr-1(ad609); ilcr-1(tm5866); dbEx796[pglr-1::ilcr-1::sl2mcherry; ccGFP]</i>
AX5768	<i>npr-1(ad609); ilcr-1(tm5866); dbEx796[pnmr-1::ilcr-1::sl2mcherry; ccGFP]</i>
AX5767	<i>npr-1(ad609); ilcr-1(tm5866); dbEx796[punc-17::ilcr-1::sl2mcherry; ccGFP]</i>
AX5770	<i>npr-1(ad609); ilcr-1(tm5866); dbEx796[punc-25::ilcr-1::sl2mcherry; ccGFP]</i>
AX5826	<i>npr-1(ad609); C44B12.6(db1191)</i>
AX6004	<i>npr-1(ad609); F25D1.3(db1199)</i>
AX3604	<i>npr-1(ky13); db850</i>
AX5924	<i>npr-1(ad609); tol-1(nr2033)</i>
AX5920	<i>npr-1(ad609); tir-1(qd4)</i>
AX5922	<i>npr-1(ad609); tir-1(ok2859)</i>
AX5926	<i>npr-1(ad609); ikb-1(nr2027)</i>
AX5855	<i>npr-1(ad609); trf-1(nr2014)</i>
AX5856	<i>npr-1(ad609); Y110A7A.2(tm5167)</i>
AX5857	<i>npr-1(ad609); tap-1(gk202)</i>
AX5852	<i>npr-1(ad609); pmk-3(ok169)</i>
AX3955	<i>npr-1(ad609); jnk-1(gk7)</i>
AX5941	<i>npr-1(ad609); ilcr-1(tm5866); dbEx[pRMG::YC2.60; pflp-5::ilcr-1::sl2mcherry; ccGFP; ccRFP]</i>
AX5943	<i>npr-1(ad609); ilcr-2(db1187); dbEx[pRMG::YC2.60; pflp-5::ilcr-2::sl2mcherry; ccGFP; ccRFP]</i>
AX5945	<i>npr-1(ad609) ilc-17.1(tm5218); dbEx637[pRMG::YC2.60; pilc-17.1::ilc-17.1::sl2mcherry; ccGFP; ccRFP]</i>
AX5976	<i>npr-1(ad609) ilc-17.1(tm5218); dbEx840[podr-10::ilc-17.1::sl2mcherry; ccGFP]</i>
AX5953	<i>npr-1(ad609); pik-1(tm2167); dbEx[pgcy-37::YC2.60; ccRFP]</i>
AX5955	<i>npr-1(ad609); pik-1(tm2167); dbEx[pRMG::YC2.60; ccRFP]</i>

AX5957	<i>npr-1(ad609) ilc-17.1(tm5218); pik-1(tm2167); dbEx[pgcy-37::YC2.60; ccRFP]</i>
AX5959	<i>npr-1(ad609) ilc-17.1(tm5218); pik-1(tm2167); dbEx[pRMG::YC2.60; ccRFP]</i>
AX3677	<i>npr-1(ky13) nfki-1(db923)</i>
AX6011	<i>npr-1(ad609) nfki-1(db1198)</i>
AX6108	<i>npr-1(ad609) ilc-17.1(tm5218) nfki-1(db1198)</i>
AX6110	<i>npr-1(ad609); pik-1(tm2167); nfki-1(db1198)</i>
AX6030	<i>npr-1(ad609) nfki-1(db1198); dbEx851[pnfki-1::nfki-1::sl2::mcherry; ccGFP]</i>
AX6034	<i>npr-1(ad609) nfki-1(db1198); dbEx853[pnpr-1::nfki-1::sl2::mcherry; ccGFP]</i>
AX6036	<i>npr-1(ad609) nfki-1(db1198); dbEx854[pflp-5::nfki-1::sl2::mcherry; ccGFP]</i>
AX6038	<i>npr-1(ad609) nfki-1(db1198); dbEx855[pflp-6::nfki-1::sl2::mcherry; ccGFP]</i>
AX6040	<i>npr-1(ad609) nfki-1(db1198); dbEx856[pgcy-32::nfki-1::sl2::mcherry; ccGFP]</i>
AX6019	<i>npr-1(ad609) nfki-1(db1198); dbEx[pRMG::YC2.60; ccRFP]</i>
AX6022	<i>npr-1(ad609) nfki-1(db1198); dbEx[[pgcy-37::YC2.60; ccRFP]</i>
AX6094	<i>npr-1(ad609) nfki-1(db1198); ilc-17.1(tm5218) dbEx[[pRMG::YC2.60; ccRFP]</i>
AX6096	<i>npr-1(ad609) nfki-1(db1198); pik-1(tm2167) dbEx[[pRMG::YC2.60; ccRFP]</i>
AX613	<i>npr-1 215F</i>
AX6610	<i>npr-1 215F; ilcr-1(tm5866)</i>
AX6612	<i>npr-1 215F ilc-17.1(tm5218)</i>
AX6613	<i>npr-1 215F; dbEx[pRMG::YC2.60; ccRFP]</i>
AX6616	<i>npr-1 215F ilc-17.1(tm5218); dbEx[pRMG::YC2.60; ccRFP]</i>
EG6699	<i>ttTi5605 II; unc-119(ed3) III; oxEx1578</i>
AX5885	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609) ilc-17.1(tm5218)</i>
AX5886	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609); ilcr-1(tm5866)</i>
AX6646	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609) actl-1(db1202)</i>
AX6640	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609); pik-1 (tm2167)</i>
AX6648	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609) nfki-1 (db1198)</i>
AX6661	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609) ilc-17.1(tm5218); MosSCI[unc-119(+); pilc-17.1::ilc-17.1::unc-54 3'UTR]</i>
AX6687	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609); ilcr-1(tm5866); MosSCI[unc-119(+); pilcr-1::ilcr-1::unc-54 3'UTR]</i>
AX6668	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609) actl-1(db1202); MosSCI[unc-119(+); pactl-1::actl-1::unc-54 3'UTR]</i>
AX6666	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609); pik-1(tm2167); MosSCI[unc-119(+); ppik-1::pik-1::unc-54 3'UTR]</i>

AX6670	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609) nfki-1(db1198); MosSCI[unc-119(+); pnfki-1::nfki-1::unc-54 3'UTR]</i>
AX6672	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609); ilcr-1(tm5866); MosSCI[unc-119(+); pilcr-1::loxp::ilcr-1::let-858 3'UTR]</i>
AX6676	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609); ilcr-1(tm5866); MosSCI[unc-119(+); pilcr-1::loxp::ilcr-1::let-858 3'UTR]; dbEx967[pflp-5::cre::unc-54 3'UTR]</i>
AX6682	<i>ttTi5605 II; unc-119(ed3) III; npr-1(ad609); ilcr-1(tm5866); MosSCI[unc-119(+); pilcr-1::loxp::ilcr-1::let-858 3'UTR]; dbEx968[pnpr-1::cre::unc-54 3'UTR]</i>
AX6665	<i>npr-1(ad609); dbEx966[pnpr-9::YC3.60; ccRFP]</i>
AX6690	<i>npr-1(ad609) ilc-17.1(tm5218); dbEx966[pnpr-9::YC3.60; ccRFP]</i>