

Table S1. 137 RNAi clones tested in the candidate-based RNAi screen

Chromosome	Gene name	GenePair name	Branching defect (%)	Total (n)
X	unc-115	F09B9.2	65	20
IV	mec-3	F01D4.6	39	18
II	unc-52	ZC101.2	31	16
X	lon-2	C39E6.1	25	20
III	F54D8.6	F54D8.6	20	20
I	F47B3.1	F47B3.1	19	21
III	unc-86	C30A5.7	19	27
I	wwp-1	Y65B4BR.4	17	12
III	unc-116	R05D3.7	16	19
I	W03D8.8	W03D8.8	15	20
I	lin-59	T12F5.4	15	20
X	hst-2	C34F6.4	13	23
IV	unc-5	B0273.4	11	18
I	F46F11.9	F46F11.9	10	20
I	lem-3	F42H11.2	10	20
I	Y106G6A.2	Y106G6A.2	10	20
I	ZK973.8	ZK973.8	8	13
V	unc-70	K11C4.3	7	15
III	K04H4.2	K04H4.2	5	19
I	unc-73	F55C7.7	5	20
I	C09D4.1	C09D4.1	5	20
I	T24D1.3	T24D1.3	5	20
I	smd-1	F47G4.7	5	20
I	sur-2	F39B2.4	5	20
I	Y47G6A.29	Y47G6A.29	5	20
III	ceh-13	R13A5.5	5	20
I	mec-6	W02D3.3	5	21
III	dpy-27	R13G10.1	5	21
I	T05E8.3	T05E8.3	0	15
X	hst-6	Y34B4A.3	0	16
III	T07A5.2	T07A5.2	0	19
V	des-2	T26H10.1	0	19
X	efn-3	F15A2.5	0	20
V	unc-76	C01G10.11	0	22
V	egl-46	K11G9.4	0	23
I	C24G7.1	C24G7.1	0	20
I	C41D11.2	C41D11.2	0	9
I	B0041.5	B0041.5	0	16
I	F48C1.4	F48C1.4	0	15
I	unc-40	T19B4.7	0	20
I	hmg-3	C32F10.5	0	20
I	F26B1.1	F26B1.1	0	20
I	ZC328.2	ZC328.2	0	17
I	mdt-18	C55B7.9	0	20
I	ZC581.9	ZC581.9	0	20
I	C17F3.1	C17F3.1	0	20
I	T23B3.4	T23B3.4	0	20
I	lbp-5	W02D3.7	0	20
I	pqn-20	C37A2.2	0	17
I	unc-13	ZK524.2	0	20
I	F29D11.2	F29D11.2	0	19
I	nmy-2	F20G4.3	0	20
I	F43G9.3	F43G9.3	0	15
I	F26E4.5	F26E4.5	0	20
I	nas-5	T23H4.3	0	19
I	Y106G6A.4	Y106G6A.4	0	20
I	Y106G6A.5	Y106G6A.5	0	15
I	F10G8.4	F10G8.4	0	13
I	F25D7.1	F25D7.1	0	20

I	Y106G6H.8	Y106G6H.8	0	20
I	ced-1	Y47H9C.4	0	20
I	T15D6.9	T15D6.9	0	20
I	E03H4.1	E03H4.1	0	21
I	unc-101	K11D2.3	0	20
I	Y18D10A.21	Y18D10A.21	0	20
I	Y37H9A.1	Y37H9A.1	0	19
I	Y63D3A.9	Y63D3A.9	0	20
I	pry-1	C37A5.9	0	12
I	Y95B8A.7	Y95B8A.7	0	20
I	pde-6	Y95B8A.10	0	12
I	unc-95	Y105E8A.6	0	20
I	Y105E8A.23	Y105E8A.23	0	20
I	Y105E8B.9	Y105E8B.9	0	20
I	Y48G1C.8	Y48G1C.8	0	20
I	Y34D9A.3	Y34D9A.3	0	20
I	lpd-3	Y47G6A.23	0	14
I	rnp-6	Y47G6A.20	0	20
I	mig-1	Y34D9B.1	0	25
I	goa-1	C26C6.2	0	20
I	kal-1	K03D10.1	0	20
I	smp-1	Y54E5B.1	0	21
II	hst-3.1	F40H3.5	0	20
II	unc-104	C52E12.2	0	20
II	glr-4	C06A8.9	0	20
II	agr-1	F41G3.12	0	20
II	unc-53	F45E10.1	0	19
II	plx-2	K04B12.1	0	20
III	F59A2.6	F59A2.6	0	19
III	hum-5	T02C12.1	0	21
III	ZC155.7	ZC155.7	0	20
III	cdh-4	F25F2.2	0	17
III	grl-22	W03A5.3	0	20
III	D1044.2	D1044.2	0	25
III	hse-5	B0285.5	0	20
III	T04C9.2	T04C9.2	0	20
III	lin-39	C07H6.7	0	17
III	F44E2.4	F44E2.4	0	20
III	D2007.2	D2007.2	0	18
III	F54H12.2	F54H12.2	0	20
III	C40H1.3	C40H1.3	0	18
III	tbx-9	T07C4.6	0	11
III	Y52D3.1	Y52D3.1	0	20
III	ZK1128.5	ZK1128.5	0	20
III	Y43F4B.3	Y43F4B.3	0	20
III	Y56A3A.21	Y56A3A.21	0	18
III	Y37D8A.7	Y37D8A.7	0	20
III	cua-1	Y76A2A.2	0	20
III	unc-71	Y37D8A.13	0	20
III	T28A8.3	T28A8.3	0	19
III	dhs-9	Y32H12A.3	0	20
III	mdt-21	C24H11.9	0	20
III	pst-2	F54E7.1	0	20
III	unc-32	ZK637.8	0	8
III	eat-4	ZK512.6	0	20
III	ina-1	F54G8.3	0	20
IV	osm-9	B0212.5	0	20
IV	efn-4	F56A11.3	0	20
IV	unc-44	B0350.2	0	22
IV	wsp-1	C07G1.4	0	20
IV	hst-1	F08B4.6	0	20
IV	vab-2	Y37E11AR.6	0	20
IV	plx-1	Y55F3AL.1	0	16

V	mec-9	C50H2.3	0	20
V	deg-3	K03B8.9	0	22
V	sma-1	R31.1	0	20
V	pkc-1	F57F5.5	0	21
X	Toca-1	F09E10.8	0	21
X	sax-3	ZK377.2	0	20
X	nlp-11	C01C4.1	0	7
X	sul-1	K09C4.8	0	20
X	unc-6	F41C6.1	0	20
X	trk-1	D1073.1	0	20
X	him-4	F15G9.4	0	13
X	egl-15	F58A3.2	0	20
X	ser-2	C02D4.2	0	20
X	nas-39	F38E9.2	0	21
X	gpn-1	F59D12.4	0	22
