

## **Supplemental Information**

### **Reagents to generate NILs and *scb-1* deletion strains**

All strains (except ECA1114) were previously generated and published in Brady *et al.*, 2019 ([Brady et al. 2019](#)). ECA1114 (eanIR447[chrV:7082839-13852810; N2>CB]) was a NIL derived from ECA230 (published in Brady *et al.*, 2019) that replaced the N2 genotype on chrI:1-3298162 and chrV:1-3890448 with CB4856.

#### *Primers used for ECA1114:*

ChrI: 2,433,916 bp (CB4856)

Left - oECA626 (caaaatcggctgaatcgct)

Right - oECA633 (atgagttgtggcgatcga)

ChrV: 3,778,859 bp (CB4856)

Left - oECA1408 (cacgtgccctttgcaatga)

Right - oECA1409 (gagctcccggaactcgaa)

ChrV: 7,104,674 bp (N2)

Left - oECA1341 (cccatccccacaatgttctg)

Right - oECA1342 (aatcgacgagtggcactgt)

**Table S1: List of all 49 probes with an eQTL in the chromosome V hotspot**

Probe	Gene ID	Gene name	Probe chr	Probe position (bp)
A_12_P116766	WBGene00001232	eif-3.I	I	2489441
A_12_P116575	WBGene00012116	del-4	I	8139517
A_12_P114276	NA	NA	I	13685545
A_12_P111065	WBGene00018960	ilcr-2	II	5478115
A_12_P104798	WBGene00015143	rbm-26	III	5713990
A_12_P118758	WBGene00021934	cct-8	IV	1087863
A_12_P114311	WBGene00009518	clcc-166	IV	1249265
A_12_P109658	WBGene00015553	trxr-1	IV	7016275
A_12_P117115	WBGene00007866	C32H11.3	IV	12920093
A_12_P117478	WBGene00007867	C32H11.4	IV	12923083
A_12_P107338	WBGene00011960	oac-48	IV	13677711

A_12_P102257	WBGene00013101	Y51H4A.5	IV	16522549
A_12_P106245	WBGene00001564	icl-1	V	721755
A_12_P112263	WBGene00001564	icl-1	V	724451
A_12_P115203	WBGene00019089	clcc-206	V	2001294
A_12_P114794	WBGene00003693	nhr-103	V	2226931
A_12_P107404	WBGene00021979	Y58A7A.5	V	5086274
A_12_P105501	WBGene00000715	col-142	V	6832131
A_12_P118240	WBGene00017315	ugt-36	V	7168886
A_12_P109101	WBGene00017565	ddo-2	V	7433479
A_12_P102966	WBGene00002021	hsp-17	V	8384877
A_12_P119893	WBGene00000055	acr-16	V	8564214
A_12_P112758	WBGene00007055	tag-196	V	8597245
A_12_P115700	WBGene00019204	H14N18.4	V	8924568
A_12_P119747	WBGene00017091	ttr-40	V	9354728
A_12_P118743	WBGene00018088	trpp-4	V	9401644
A_12_P101810	WBGene00044015	K06A4.8	V	9483074
A_12_P114129	WBGene00009581	F40F9.3	V	9716145
A_12_P101050	WBGene00009773	lip1-2	V	9793109
A_12_P117590	WBGene00007424	C08B6.3	V	10110062
A_12_P102400	WBGene00010625	K07C5.2	V	10340684
A_12_P102323	WBGene00007951	dmsr-8	V	10510666
A_12_P111998	WBGene00011893	T21C9.6	V	10586934
A_12_P115328	WBGene00008370	D1054.1	V	10768551
A_12_P102599	WBGene00008375	D1054.8	V	10785219
A_12_P104350	WBGene00010407	scb-1	V	11118802
A_12_P101037	WBGene00000951	deg-3	V	11412923
A_12_P119459	WBGene00006486	zipt-16	V	11466638

A_12_P101333	WBGene00000982	dhs-19	V	11489191
A_12_P115684	WBGene00008331	ttl-5	V	11512020
A_12_P103840	WBGene00003726	nhr-136	V	12109048
A_12_P118102	WBGene00001877	his-3	V	16041104
A_12_P116989	WBGene00005654	srr-3	V	16506920
A_12_P106853	WBGene00000987	dhs-24	V	19942096
A_12_P105532	WBGene00012618	dct-10	V	20509858
A_12_P118954	WBGene00022213	Y73B3A.11	X	148399
A_12_P119353	WBGene00002255	lbp-3	X	3258020
A_12_P106753	WBGene00019959	R08E3.3	X	4820705
A_12_P104714	WBGene00006980	zig-3	X	7931525