Table S3. Primary data from transgenic rescue experiments demonstrating rescue or absence of rescue of cwn-2 (top), cam-1 (middle) and cfz-2 (bottom)

	Background	Penetrance (%)	Anterior nerve ring (n)	Normal nerve ring (<i>n</i>)	Tota (n)
cwn-2 rescue experiments					
	With transgene	0.0	0	48	48
cwn-2 genomic	Without transgene	14.9	7	40	47
	With transgene	0.0	0	26	26
myo-3::cwn-2	Without transgene	54.3	25	21	46
	With transgene	7.1	5	65	70
myo-2::cwn-2	Without transgene	70.4	50	21	71
	With transgene	10.0	1	9	10
elt-2::cwn-2	Without transgene	83.3	15	3	18
	With transgene	0.0	0	27	27
slt-1::cwn-2	Without transgene	48.4	15	16	31
cam-1 rescue experiments					
	With transgene	1.1	1	87	88
cam-1 genomic DNA (pDM109)	Without transgene	15.8	3	16	19
	With transgene	6.3	4	59	63
cam-1A::cam-1A	Without transgene	42.9	9	12	21
	With transgene	20.3	14	55	69
cam-1B::cam-1B	Without transgene	51.1	23	22	45
	With transgene	23.8	20	64	84
cam-1C::cam-1C	Without transgene	20.0	9	36	45
	With transgene	13.6	9	57	66
cam-1A::cam-1C	Without transgene	41.9	49	68	117
	With transgene	3.8	2	51	53
unc-119::cam-1A	Without transgene	36.8	21	36	57
	With transgene	11.3	6	47	53
ceh-24::cam-1A	Without transgene	42.7	35	47	82
	With transgene	27.9	17	44	61
cwn-2::cam-1A	Without transgene	30.2	16	37	53
	With transgene	7.9	3	35	38
mig-1::cam-1A	Without transgene	22.7	15	51	66
	With transgene	23.9	21	67	88
nsy-5::cam-1A	Without transgene	32.8	41	84	125
	With transgene	37.7	29	48	77
ncs-1::cam-1A	Without transgene	30.8	32	72	104
	With transgene	44.1	15	19	34
opt-3::cam-1A	Without transgene	29.4	15	36	51
cfz-2 rescue experiments					
•	With transgene	30.6	19	43	62
ceh-24::cfz-2 line 1	Without transgene	17.8	18	83	101
	With transgene	26.5	18	50	68
	Without transgene	17.5	11	52	63