

Supplemental Online Material

Supplemental Table 1. Tissue-Specific Rescue of *bbs* Mutants

Promoter	Promoter length ^a	Expression pattern	cDNA	Rescue Secretion ^b	Rescue Body Size ^b	Rescue Feeding ^b
<i>bbs-7</i>	1452bp	Ciliated neurons	<i>bbs-1</i> or <i>bbs-7</i>	nd ^c nd ^c	full nd ^c	full full
<i>bbs-1</i>	2000bp	Ciliated neurons	<i>bbs-1</i>	full	nd ^c	nd ^c
<i>tax-4</i>	2000bp	AWC, ASI, AFD, ASG, ASJ, ASK, BAG, URX, ASE	<i>bbs-1</i> or <i>bbs-7</i>	none nd ^c	none none	none none
<i>ocr-2</i>	2000bp	ADL , ASH, AWA, ADF , and phasmids	<i>bbs-1</i> or <i>bbs-7</i>	full full	full full	full full
<i>gpa-13</i>	2000bp	ASH, AWC, ADF , phasmids	<i>bbs-1</i> or <i>bbs-7</i>	nd ^c nd ^c	partial partial	full full
<i>gpa-11</i>	2000bp	ADL , ASH	<i>bbs-1</i> or <i>bbs-7</i>	nd ^c nd ^c	partial partial	nd ^c nd ^c
<i>srh-220</i>	1800bp	ADL	<i>bbs-1</i> or <i>bbs-7</i>	partial partial	partial partial	none none
<i>tph-1</i>	1300bp	ADF	<i>bbs-1</i> or <i>bbs-7</i>	nd ^c nd ^c	none none	full full
<i>odr-7</i>	1500bp	AWA	<i>bbs-1</i> or <i>bbs-7</i>	nd ^c nd ^c	none none	nd ^c nd ^c
<i>hsp-16.1</i>	422bp	all cells upon heat shock	<i>bbs-7</i>	partial	nd ^c	nd ^c

Ciliated neurons that rescue *bbs* mutants are shown in bold.

^a Promoter lengths are calculated from the start codon of the corresponding genes.

^b Rescues were defined as reversion of the size, pumping rate when starved, and increased insulin secretion from ADL to wild type levels. Transgenic animals with intermediate phenotypes that were statistically different from both non-transgenic siblings and wild type were considered as partially rescued.

^c not determined.