

**Table S7.** Strains used in this study.

Strain	Relevant characteristics or genotype	Source or reference
<i>E. coli</i>		
BL21(DE3)	F ompT hsdSB(rB- mB-) gal dcm ( $\lambda$ DE3)	Novagen
BL21(DE3)/pLysS	F ompT hsdSB(rB- mB-) gal dcm ( $\lambda$ DE3), pLysS Cmr	Novagen
OP50	Ura <sup>r</sup>	[1]
<i>C. cinerea</i>		
AmutBmut ( <i>A43mut B43mut pab1.2</i> )	Mutations at the A and B mating type loci, mimics a dikaryon	[2]
<i>C. elegans</i>		
Bristol type (N2)	Wild type	CGC (U. of Minnesota, USA)
<i>bre-1(ye4)</i>	Mutant in GDP-mannose- 4,6-dehydratase	CGC (U. of Minnesota, USA)
<i>fut-1(ok892)</i>	Mutant in fucosyltransferase 1	CGC (U. of Minnesota, USA)
<i>fut-6(ok475)</i>	Mutant in fucosyltransferase 6	CGC (U. of Minnesota, USA)
<i>fut-6(ok475)fut-1(ok892)</i>	Double mutant in fucosyltransferases 1 and 6	This study
<i>fut-2(gk360)</i>	Mutant in alpha 1,2-fucosyltransferase	CGC (U. of Minnesota, USA)
<i>fut-2(gk509)</i>	Mutant in alpha 1,2-fucosyltransferase	CGC (U. of Minnesota, USA)
<i>fut-4(gk111)</i>	Mutant in fucosyltransferase 4	CGC (U. of Minnesota, USA)
<i>gly-12(is47)</i>	$\beta$ 1,2 GnT I	CGC (U. of Minnesota, USA)
<i>dpy-6(e14)gly-13(ok712)</i>	$\beta$ 1,2 GnT I ( <i>dpy-6</i> for mapping purposes)	CGC (U. of Minnesota, USA)
<i>gly-14(id48)</i>	$\beta$ 1,2 GnT I	CGC (U. of Minnesota, USA)
<i>gly-12(is47)gly-13(ok712);gly-14(id48)</i>	Triple mutant for all three $\beta$ 1,2 GnT I genes	Prof. Harry Schachter (U. of Toronto, Canada)
<i>gly-20(ok826)</i>	$\beta$ 1,2 GnT II	CGC (U. of Minnesota, USA)
<i>D. melanogaster</i>		
Canton-S	Wild type	Prof. E. Hafen (ETH Zürich)
<i>A. aegypti</i>		
Rockefeller	Laboratory strain, susceptible to insecticides	Swiss Tropical and Public Health Institute (Basel, Switzerland)
<i>A. castellanii</i>		
ATCC 30234		Prof. H. Hilbi (Ludwig-Maximilians-Universität München, Germany)

**References:**

1. Brenner S (1974) The genetics of *Caenorhabditis elegans*. *Genetics* 77: 71-94.
2. Swamy SI, Uno I, Ishikawa T (1984) Morphogenetic effects of mutations at the A and B incompatibility factors of *Coprinus cinereus*. *Journal of General Microbiology* 130: 3219-3224.