

Description of Additional Supplementary Files

Supplementary Movie 1: Representative movie of N2 worms on day 3.

Supplementary Movie 2: Representative movie of NL5901 worms treated with 50 μ M NS163 (on day 2 and 4) on day 3.

Supplementary Movie 3: Representative movie of NL5901 worms on day 3.

Supplementary Movie 4: Representative movie of N2 worms on day 8.

Supplementary Movie 5: Representative movie of NL5901 worms treated with 50 μ M NS163 (on day 2 and 4) on day 8.

Supplementary Movie 6: Representative movie of NL5901 worms on day 8.

Supplementary Movie 7: Representative movie of the chemotaxis assay of N2 worms on day 3.

Supplementary Movie 8: Representative movie of the chemotaxis assay of UA196 worms on day 3.

Supplementary Movie 9: Representative movie of the chemotaxis assay of UA196 worms treated with 50 μ M NS163 (on day 2 and 4) on day 3.

Supplementary Movie 10: Representative movie of the chemotaxis assay of UA196 worms on day 10.

Supplementary Movie 11: Representative movie of the chemotaxis assay of UA196 worms treated with 50 μ M NS163 (on day 2 and 4) on day 10.

Supplementary Movie 12: Representative movie of the chemotaxis assay of N2 worms on day 10.

Supplementary Movie 13: Representative movie of the chemotaxis assay of UA196 worms treated with 50 μ M NS132 (on day 2 and 4) on day 3.

Supplementary Movie 14: Representative movie of the chemotaxis assay of UA196 worms treated with 50 μ M NS132 (on day 2 and 4) on day 10.