

Description of Additional Supplementary Files

File name: Supplementary Data 1.

Description: *C. elegans* and RNAi strains used in this study. All strains and RNAi conditions used in this study are listed.

File name: Supplementary Data 2.

Description: lifespan statistics. All lifespan replicates in this study are listed. Statistical summary of lifespans, statistics of main figure panels replicates, and supplementary Figure panels replicates are listed.

File name: Supplementary Data 3.

Description: Dosing and preparation of odorants. Summary of odorants preparation and dosing, and summary of odorants dosing and *fmo-2* induction under DR and fed are listed.