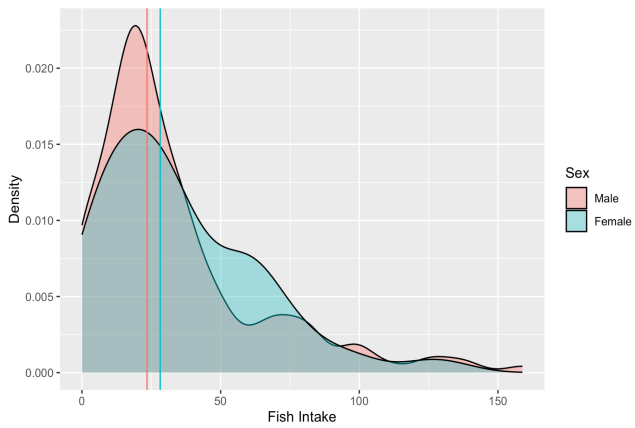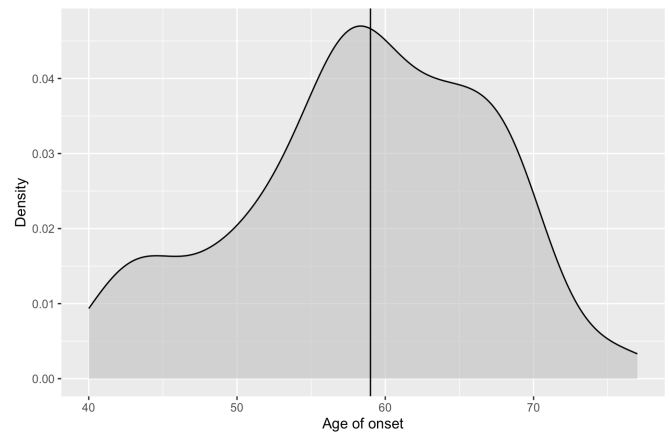**SUPPLEMENTAL MATERIAL**

A

B

FIG. S1 Distributions for total fish consumption and Parkinson's Disease (PD) age of onset.
(A) Male and female distribution curves for fish consumption. Vertical lines indicate medians for male and female participants. **(B)** PD age of onset (pooled male and female participants). Vertical line indicates mean for PD patients.
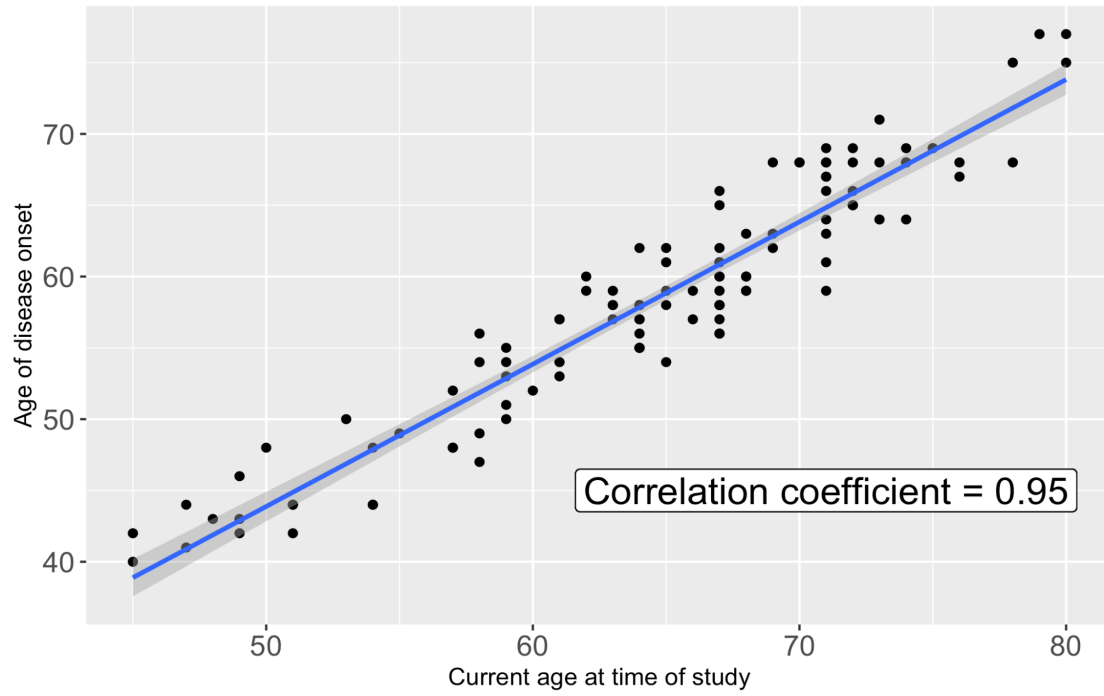
Correlation coefficient = 0.95

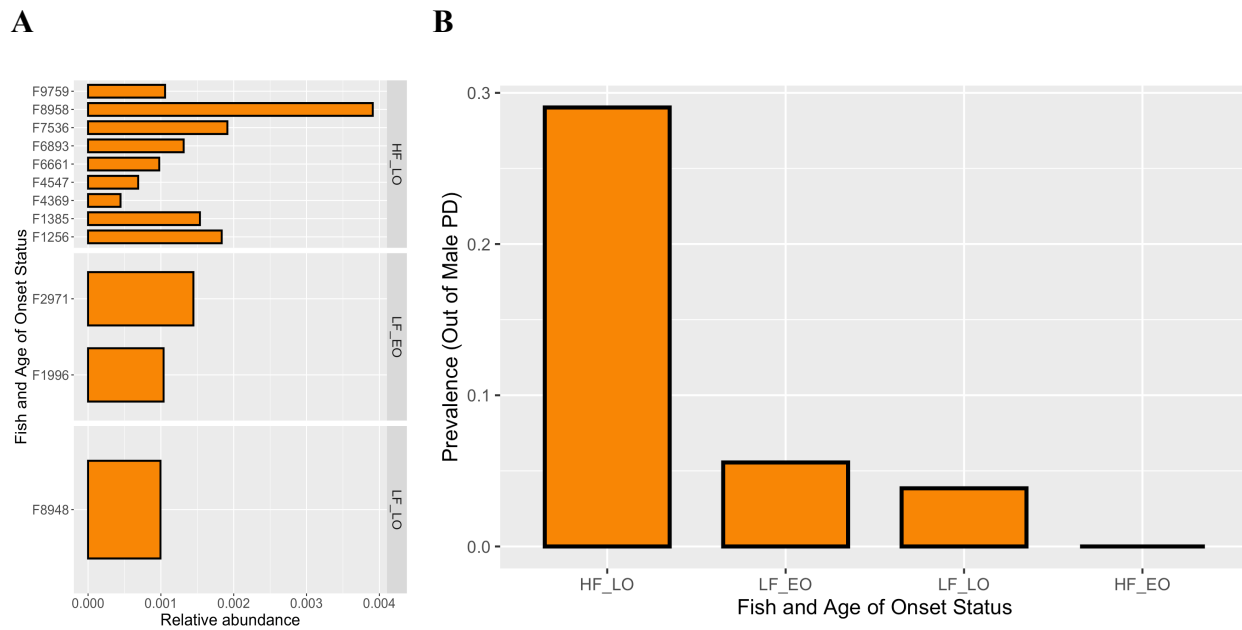**FIG. S2 Age is a proxy for disease onset.**

A

B

FIG. S3 Distribution of *Intestinimonas* in male Parkinson's patients. (A) Abundance and **(B)** prevalence of *Intestinimonas* across male PD patients. HF_LO = high-fish, later-onset; LF_EO = low-fish, early-onset; LF_LO = low-fish, later-onset; HF_EO = high-fish, early onset.