- 1 Increased body mass is associated with decreased gut microbiome diversity in Parkinson's
- 2 Disease patients

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## 9 SUPPLEMENTARY MATERIALS

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## 11 TABLES

12 Table S1. BMI categories. Criteria for each group based on CDC interpretation of BMI score

13 (22).

BMI	Range	Control (n)	PD (n)	Total (n)
Underweight	< 18.5	1	6	7
Healthy	18.5 to 24.9	40	70	110
Overweight	25 to 29.9	38	72	110
Obese	> 30	21	35	56

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- Table S2. Alcohol consumption categories. Criteria for each group based on WHO definition of
- 16 a standard drink (23).

Alcohol consumption	Range (g/day)	Control (n)	PD (n)	Total (n)
None	0 g	18	43	61
Moderate	0 to 10 g	54	89	143
High	> 10 g	28	51	79

Table S3. Meat consumption categories. Criteria for each group based on NHS
recommendations and daily meat consumption for Canadians (24, 25).

Meat consumption	Range (g/day)	Control (n)	PD (n)	Total (n)
Low	< 40 g	29	28	57
Moderate	40 to 90 g	29	68	97
High	> 90 g	42	87	129

## 22 FIGURES

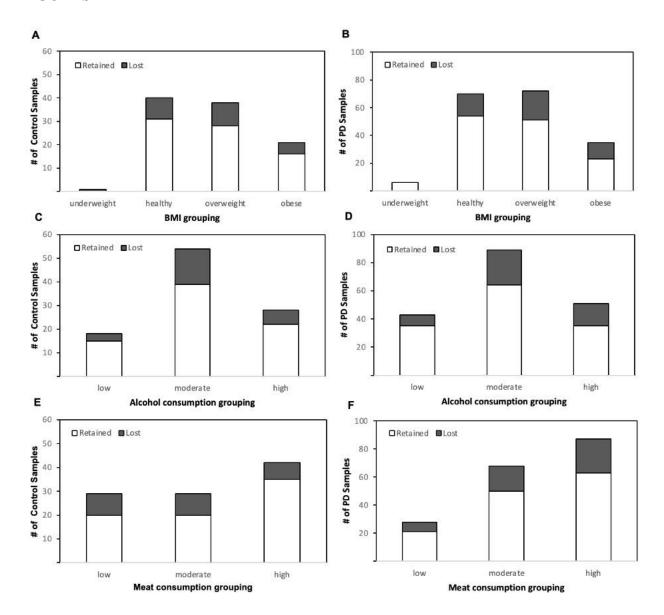


Figure S1. Number of samples retained in each category with sampling depth of 10232. Bar plots show the number of samples retained and lost in the three lifestyle factor groupings with the chosen sampling depth. (A-B) BMI groupings in control and PD subjects (C-D) Alcohol consumption groupings in control and PD subjects (E-F) Meat consumption groupings in control and PD subjects.

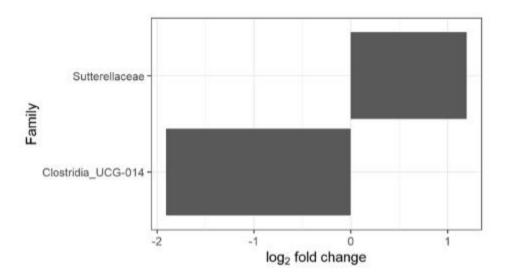


Figure S2. Sutterellaceae and Clostridia families are more abundant in PD patients of the obese and healthy BMI groupings, respectively. Differential abundance analyses on R revealed the family taxa that are significantly different between the healthy and obese BMI groupings. Abundances are expressed as log-transformed differences in abundance in the obese BMI grouping relative to the healthy BMI grouping.