

## SUPPLEMENTARY TABLES

### Supplementary Table 1. Questions on dietary intake at the ASMIC Baseline Questionnaire

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#### Questions on dietary intake

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1. How often in the last month have you eaten yogurt or kefir?

- >1 per day
  - Daily
  - Every week, but not every day
  - < 1 per week
  - None
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2. How often in the last 2 weeks have you taken a Daily probiotic, such as Culturelle, TruBiotics, or Florastor?

- Daily
  - Every week, but not every day
  - < 1 per week
  - None
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3. Which of the following statements most closely describes your current diet?

- I eat meat/fish/poultry at least 3 days per week
  - I eat meat/fish/poultry at least 2 days, but no more \_\_\_\_\_ than 2 days per week
  - I eat eggs/cheese/other dairy, but no meat/fish/poultry
  - I do not eat animal products at all (no meat or dairy)
  - I do not eat animal products and at least 70% of my fruits and vegetables are eaten raw
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4. How many servings of fruit do you eat in an average day or week?

- per Day
  - per Week
- 

5. How many servings of vegetables do you eat in an average day or week?

- per Day
  - per Week
-

**Supplementary Table 2.** Bacterial taxa associated with CRC<sup>18</sup> or aspirin.<sup>17</sup>

Taxa associated with CRC in 5+ out of 8 studies in the meta-analysis <sup>18</sup>	Taxa associated with CRC in 8 studies combined in the meta-analysis <sup>18</sup>	Taxa associated with aspirin <sup>17</sup>
<i>Parabacteroides distasonis</i> (species)	<i>Akkermansia muciniphila</i> (species)	<i>Bacteroides</i> (genera)
<i>Parviromonas micra</i> (species)	<i>Methanosphaera stadtmanae</i> (species)	<i>Barnesiella</i> (genera)
<i>Streptococcus anginosus</i> (species)	<i>Lactobacillus</i> (genera)	<i>Prevotella</i> (genera)
<i>Fusobacterium</i> (genera)	<i>Dialister pneumosintes</i> (species)	<i>Ruminococaceae</i> (family)
<i>Ruminococcus</i> (genera)	<i>Blautia Luti and obeum</i> (species)	
<i>Dorea</i> (genera)	<i>Faecalibacterium prausnitzii</i> (species)	
<i>Porphyromonas</i> (genera)	<i>Pantoea agglomerans</i> (species)	
	<i>Succinivibrio</i> (genera)	
	<i>Eubacterium hallii</i> (species)	

**Supplementary Table 3.** Alpha diversity assessed by Shannon index (mean  $\pm$  standard error) of stool bacterial communities.

Treatment	Collection	<i>n</i>	Shannon index
Aspirin	1	30	3.63 $\pm$ 0.09
	2	29	3.64 $\pm$ 0.08
	3	27	3.58 $\pm$ 0.10
	4	28	3.64 $\pm$ 0.07
	5	29	3.69 $\pm$ 0.07
Placebo	1	19	3.65 $\pm$ 0.08
	2	19	3.60 $\pm$ 0.11
	3	20	3.47 $\pm$ 0.11
	4	20	3.61 $\pm$ 0.09
	5	20	3.64 $\pm$ 0.08