

Supplemental Table S1. Bacterial genera that showed correlations with the intake of the Vege Pattern, GrYwVege, Citrus, and PerStr.

Vege Pattern	<i>P</i> for trend	beta	Share Rating (%)	Median relative abundance (%)
<i>Mitsuokella</i>	0.0006	0.000913	10.6	0.40
<i>Barnesiella</i>	0.0071	0.000277	40.1	0.15
<i>Actinomyces</i>	0.0137	-0.000094	97.0	0.052
<i>Calditerricola</i>	0.0188	0.000003	2.1	0.0052
<i>Faecalibacterium</i>	0.0206	0.004927	97.4	7.3
<i>Atopobium</i>	0.0248	-0.000046	40.1	0.022
<i>Neisseria</i>	0.0263	0.000001	3.2	0.0046
<i>Escherichia.Shigella</i>	0.0296	-0.001369	77.9	0.037
<i>Lactonifactor</i>	0.0317	-0.000010	31.6	0.010
<i>Varibaculum</i>	0.0386	-0.000018	3.4	0.0083
<i>Solobacterium</i>	0.0388	-0.000007	33.8	0.0071
<i>Rothia</i>	0.0485	-0.000026	59.5	0.014

GrYw Vege	<i>P</i> for trend	beta	Share Rating (%)	Median relative abundance (%)
<i>Alloprevotella</i>	0.0054	-0.0011301	14.2	0.97
<i>Scardovia</i>	0.0081	-0.0000022	5.9	0.0074
<i>Acinetobacter</i>	0.0145	-0.0000005	1.7	0.0030
<i>Coprococcus</i>	0.0191	0.0005298	74.6	0.56
<i>Bacillus</i>	0.0272	0.0001075	55.2	0.043
<i>Barnesiella</i>	0.0283	0.0001663	40.1	0.15
<i>Asaccharobacter</i>	0.0331	0.0000227	7.2	0.012
<i>Proteus</i>	0.0415	-0.0000040	4.1	0.0032
<i>Kocuria</i>	0.0440	-0.0000008	4.1	0.0061
<i>Lactococcus</i>	0.0456	0.0000583	40.9	0.0077
<i>Neisseria</i>	0.0467	0.0000009	3.2	0.0046

Citrus	<i>P</i> for trend	beta	Share Rating (%)	Median relative abundance (%)
<i>Actinomyces</i>	0.0080	-0.000076	97.0	0.052

<i>Abiotrophia</i>	0.0081	-0.000003	11.4	0.0054
<i>Lachnospiracea_incertae_sedis</i>	0.0097	0.000940	99.9	1.6
<i>Allisonella</i>	0.0118	-0.000032	41.0	0.031
<i>Succinivibrio</i>	0.0141	-0.000166	2.5	0.12
<i>Neisseria</i>	0.0199	0.000001	3.2	0.0046
<i>Gardnerella</i>	0.0214	-0.000002	1.4	0.011
<i>Faecalibacterium</i>	0.0221	0.003666	97.4	7.3
<i>Tumebacillus</i>	0.0229	0.000000	1.3	0.0030
<i>Escherichia.Shigella</i>	0.0279	-0.001039	77.9	0.037
<i>Streptococcus</i>	0.0310	-0.002261	100.0	0.80
<i>Stomatobaculum</i>	0.0339	-0.000002	5.5	0.0057
<i>Saccharofermentans</i>	0.0388	0.000001	1.2	0.0075
<i>Veillonella</i>	0.0397	-0.000831	86.3	0.077
<i>Raoultella</i>	0.0471	-0.000069	25.4	0.0094

PerStr	P for trend	beta	Share Rating (%)	Median relative abundance (%)
<i>Gardnerella</i>	0.0296	-0.000002	1.4	0.011
<i>Acinetobacter</i>	0.0012	-0.000001	1.7	0.0030
<i>Succinivibrio</i>	0.0098	-0.000174	2.5	0.12
<i>Lachnoanaerobaculum</i>	0.0158	-0.000001	5.7	0.0055
<i>Pyramidobacter</i>	0.0342	-0.000060	6.8	0.014
<i>Methanobrevibacter</i>	0.0208	-0.000312	14.7	0.11
<i>Parvimonas</i>	0.0411	-0.000015	21.9	0.0045
<i>Solobacterium</i>	0.0074	-0.000007	33.8	0.0071
<i>Eubacterium</i>	0.0038	0.000016	34.9	0.0052
<i>Holdemanella</i>	0.0278	0.001125	38.1	1.73
<i>Barnesiella</i>	0.0126	0.000191	40.1	0.15
<i>Bilophila</i>	0.0300	0.000126	64.0	0.20
<i>Turicibacter</i>	0.0252	-0.000705	65.7	0.070
<i>Actinomyces</i>	0.0358	-0.000060	97.0	0.052

• *P for trend* was calculated by multiple regression analysis.

• Covariates: Age + Gender + Smoking + Drinking + BMI

Share Rating indicates the proportion of subjects with a read count of one or greater.

(GrYwVege: Green & Yellow Vegetables, PerStr: Persimmon & Strawberry)