

Table S1. Association between Stages and OS for all species.

COAD			
Condition	p-value	n present	n absent
<i>Bacteroides fragilis</i> : present vs. absent	0.6	241	195
<i>Bacteroides vulgatus</i> : present vs. absent	0.5	286	150
<i>Prevotella copri</i> : present vs. absent	0.4	123	313
<i>Bacteroides fragilis</i> : present vs. absent in tumor stage I	0.9	41	32
<i>Bacteroides vulgatus</i> : present vs. absent in tumor stage I	0.9	55	18
<i>Prevotella copri</i> : present vs. absent in tumor stage I	0.2	18	55
<i>Bacteroides fragilis</i> : present vs. absent in tumor stage II	0.09	96	70
<i>Bacteroides vulgatus</i> : present vs. absent in tumor stage II	0.9	108	58
<i>Prevotella copri</i> : present vs. absent in tumor stage II	0.4	53	113
<i>Bacteroides fragilis</i> : present vs. absent in tumor stage III	0.8	64	60
<i>Bacteroides vulgatus</i> : present vs. absent in tumor stage III	0.2	78	46
<i>Prevotella copri</i> : present vs. absent in tumor stage III	0.2	36	88
<i>Bacteroides fragilis</i> : present vs. absent in tumor stage IV	0.3	35	30
<i>Bacteroides vulgatus</i> : present vs. absent in tumor stage IV	0.04	41	24
<i>Prevotella copri</i> : present vs. absent in tumor stage IV	0.1	16	49

READ			
Condition	p-value	n present	n absent
<i>Bacteroides fragilis</i> : present vs. absent	0.6	60	98
<i>Bacteroides vulgatus</i> : present vs. absent	0.5	85	73
<i>Prevotella copri</i> : present vs. absent	0.5	44	114
<i>Bacteroides fragilis</i> : present vs. absent in tumor stage I	0.2	13	19
<i>Bacteroides vulgatus</i> : present vs. absent in tumor stage I	0.4	24	8
<i>Prevotella copri</i> : present vs. absent in tumor stage I	0.4	6	26
<i>Bacteroides fragilis</i> : present vs. absent in tumor stage II	0.5	14	34
<i>Bacteroides vulgatus</i> : present vs. absent in tumor stage II	0.9	21	27
<i>Prevotella copri</i> : present vs. absent in tumor stage II	0.2	14	34
<i>Bacteroides fragilis</i> : present vs. absent in tumor stage III	0.4	20	27
<i>Bacteroides vulgatus</i> : present vs. absent in tumor stage III	0.9	22	25
<i>Prevotella copri</i> : present vs. absent in tumor stage III	0.2	15	32
<i>Bacteroides fragilis</i> : present vs. absent in tumor stage IV	0.5	10	16
<i>Bacteroides vulgatus</i> : present vs. absent in tumor stage IV	0.3	14	12
<i>Prevotella copri</i> : present vs. absent in tumor stage IV	0.2	8	18