

Supplementary Materials – Included studies on gut microbiota associated with colorectal neoplasia

**Huybrechts *et al.* 2020** CRC vs. controls.

Taxa	Name	Biosample	CRC enriched/depleted
Phylum			
	Fusobacteriota	feces, tissue	Enriched
Family			
	<i>Fusobacteriaceae</i>	feces, tissue	Enriched
	<i>Lachnospiraceae</i>	feces, tissue	Depleted
	<i>Peptostreptococcaceae</i>	feces	Enriched
	<i>Porphyromonadaceae</i>	feces	Enriched
	<i>Rimunococcaceae</i>	feces, tissue	Depleted
Genus			
	<i>Acinetobacter</i>	feces	Depleted
	<i>Atopobium</i>	feces, tissue	Enriched
	<i>Bifidobacterium</i>	feces, tissue	Depleted
	<i>Blautia</i>	feces, tissue	Depleted
	<i>Desulfovibrio</i>	feces	Enriched
	<i>Fusobacterium</i>	feces, tissue	Enriched
	<i>Gemella</i>	feces, tissue	Enriched
	<i>Leptotrichia</i>	feces, tissue, saliva	Enriched
	<i>Odoribacter</i>	feces	Enriched
Species	<i>Oscillibacter</i>	feces	Enriched
	<i>Parvimonas</i>	feces	Enriched
	<i>Peptostreptococcus</i>	feces, tissue	Enriched
	<i>Porphyromonas</i>	feces, tissue	Enriched
	<i>Prevotella</i>	feces	Enriched
	<i>Staphylococcus</i>	feces	Depleted
	<i>Bacteroides fragilis</i>	feces, tissue	Enriched
	<i>Blautia coccooides</i>	feces	Enriched
	<i>Escherichia coli</i>	feces, tissue	Enriched
	<i>Fusobacterium nucleatum</i>	feces, tissue	Enriched
	<i>Parvimonas micra</i>	feces	Enriched
	<i>Peptostreptococcus stomatis</i>	feces	Enriched
	<i>Porphyromonas asaccharolytica</i>	feces	Enriched
	<i>Prevotella intermedia</i>	feces, saliva	Enriched

**Amitay et al. 2018** CRC or adenomas vs healthy controls

Taxa	Name	Biosample	CRC enriched/depleted
Phylum			
	Fusobacteriota	feces	Enriched
	Bacillota (Firmicutes)	feces	Depleted
Family			
	<i>Clostridiales</i>	feces	Depleted
	<i>Lachnospiraceae</i>	feces	Mixed
	<i>Porphyromonadaceae</i>	feces	Enriched (+ enriched in adenoma)
Genus			
	<i>Roseburia</i>	feces	Depleted
	<i>Eubacterium</i>	feces	Depleted
	<i>Parvimonas</i>	feces	Enriched
	<i>Peptostreptococcus</i>	feces	Enriched
	<i>Ruminococcus</i>	feces	Depleted
	<i>Selenomonas</i>	feces	Enriched
	<i>Streptococcus</i>	feces	Mixed in adenoma only
	<i>Fusobacterium</i>	feces	Enriched (+ enriched in adenoma)
	<i>Leptotrichia</i>	feces	Enriched
	<i>Porphyromonas</i>	feces	Enriched
	<i>Bacteroides</i>	feces	Mixed
	<i>Atopobium</i>	feces	Enriched
	<i>Bifidobacterium</i>	feces	Depleted
	<i>Bilophila</i>	feces	Enriched
Species	<i>Roseburia intestinalis</i>	feces	Depleted
	<i>Eubacterium ventriosum</i>	feces	Depleted
	<i>Parvimonas micra</i>	feces	Enriched
	<i>Peptostreptococcus stomatis</i>	feces	Mixed
	<i>Fusobacterium nucleatum</i>	feces	Enriched (+ enriched in adenoma)

**Borges-Canha et al. 2015** CRC or adenomas vs controls. Animal studies excluded.

Taxa	Name	Biosample	CRC enriched/depleted
Phylum			
	Actinomycetota (subclass Coriobacteridae)	tissue	Enriched
	Pseudomonadota (Proteobacteria)	tissue	Enriched (+ enriched in adenoma)
Family			
	<i>Eubacteriaceae</i>	feces	Depleted
	<i>Staphylococcaceae</i>	feces	Enriched
	<i>Enterobacteriaceae</i>	feces, tissue	Mixed (+ enriched in adenoma)
	<i>Campylobacteraceae</i>	feces	Enriched
Genus			
	<i>Fusobacterium</i>	feces, tissue	Enriched (+ enriched in adenoma)
	<i>Bacteroides</i>	feces, tissue	Enriched (+ mixed in adenoma)
	<i>Prevotella</i>	feces, tissue	Enriched
	<i>Porphyromonas</i>	feces	Enriched
	<i>Dysgonomonas</i>	feces	Enriched
	<i>Bifidobacterium</i>	feces, tissue	Depleted
	<i>Slackia</i>	tissue	Enriched
	<i>Collinsella</i>	tissue	Enriched
	<i>Lactobacillus</i>	feces	Depleted
	<i>Roseburia</i>	feces	Depleted
Species	<i>Fusobacterium nucleatum</i>	tissue	Enriched
	<i>Faecalibacterium prausnitzii</i>	feces, tissue	Depleted
	<i>Akkermansia muciniphila</i>	feces	Enriched
	<i>Faecalibacterium</i> spp	feces	Enriched in adenoma only

**Liu et al. 2016** CRC vs healthy controls

Taxa	Name	Biosample	CRC enriched/depleted
Family			
	<i>Enterobacteriaceae</i>	feces	Enriched
Genus			
	<i>Bifidobacterium</i>	feces	Depleted
	<i>Fusobacterium</i>	feces	Enriched
Species			
	<i>Faecalibacterium prausnitzii</i>	feces	Depleted
	<i>Enterococcus faecalis</i>	feces	Enriched
	<i>Enterococcus faecium</i>	feces	Enriched

**Aprile et al. 2021** Adenomas vs controls.

Taxa	Name	Biosample	Adenoma enriched/depleted
Phylum			
	Pseudomonadota (Proteobacteria)	tissue	Enriched
	Bacillota (Firmicutes)	tissue	Depleted
Genus	<i>Pseudomonas</i>	tissue	Enriched
	<i>Helicobacter</i>	tissue	Enriched
	<i>Acinetobacter</i>	tissue	Enriched
	<i>Fusobacteria</i>	feces	Enriched
	<i>Porphyromonas</i>	feces	Enriched
	<i>Lactobacillus</i>	feces	Depleted
	<i>Roseburia</i>	feces	Depleted
	<i>Clostridium</i>	feces	Depleted
	<i>Bifidobacterium</i>	feces, tissue	Depleted
	<i>Enterococcus</i>	feces	Enriched
	<i>Streptococcus</i>	feces	Enriched
	<i>Faecalibacterium</i>	tissue	Depleted
	<i>Romboutsia</i>	tissue	Depleted
Species			
	<i>Fusobacterium nucleatum</i>	feces	Enriched
	<i>Fusobacterium varium</i>	feces	Enriched
	<i>Fusobacterium mortiferum</i>	tissue	Enriched
	<i>Enterococcus faecalis</i>	feces	Enriched
	<i>Streptococcus bovis</i>	feces	Enriched
	<i>Bacteroides fragilis</i>	feces	Enriched
	<i>Faecalibacterium prausnitzii</i>	tissue	Depleted
	<i>Bifidobacterium pseudocatenulatum</i>	tissue	Depleted
	<i>Bacteroides massiliensis</i>	feces	Enriched
	<i>Bacteroides dorei</i>	feces	Enriched
	<i>Escherichia coli</i>	tissue	Enriched