

**Supplementary Table 1. Commensal strains, Related to Figure STAR Methods.**

<b>Bacterium</b>	<b>Community</b>	<b>Phylum</b>
<i>Bacteroides caccae</i>	CR	Bacteroidetes
<i>Bacteroides thetaiotaomicron</i>	CR	Bacteroidetes
<i>Bacteroides uniformis</i>	CR	Bacteroidetes
<i>Bifidobacterium longum</i> subsp. <i>longum</i>	CR	Actinobacteria
<i>Blautia torques</i>	CR	Firmicutes
<i>Collinsella aerofaciens</i>	CR	Actinobacteria
<i>Dorea formicigenerans</i>	CR	Firmicutes
<i>Dorea longicatena</i>	CR	Firmicutes
<i>Eubacterium rectale</i>	CR	Firmicutes
<i>Faecalibacterium prausnitzii</i>	CR	Firmicutes
<i>Bacteroides vulgatus</i>	CR, SR	Bacteroidetes
<i>Blautia obeum</i>	CR, SR	Firmicutes
<i>Clostridium scindens</i>	CR, SR	Firmicutes
<i>Enterococcus faecalis</i>	DS	Firmicutes
<i>Escherichia coli</i>	DS	Proteobacteria
<i>Streptococcus infantarius</i> subsp. <i>infantarius</i>	DS	Firmicutes
<i>Streptococcus salivarius</i> subsp. <i>salivarius</i>	DS	Firmicutes
<i>Streptococcus salivarius</i> subsp. <i>thermophilus</i>	DS	Firmicutes

<b>Strain Name</b>	<b>NCBI Taxonomy ID</b>
ATCC 43185	411901
VPI-5482	226186
ATCC 8492	411479
DSM 20219	565042
ATCC 27756	411460
ATCC 25986	411903
ATCC 27755	411461
DSM 13814	411462
ATCC 33656	515619
DSM 17677	411483
ATCC 8482	435590
ATCC 29174	411459
ATCC 35704	411468
OG1RF	474186
DH5 $\alpha$	668369
ATCC BAA-102	471872
ATCC 13419	1304
DSM 20617	1091038