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| Strain name | References |
| *Akkermansia muciniphila* | (Korpela et al. 2018) |
| *Alistipes sp.* | (Korpela et al. 2018) |
| *Alistipes onderdonkii* | (Ferretti et al. 2018) |
| *Alistipes putredinis* | (Nayfach et al. 2016; Ferretti et al. 2018) |
| *Alistipes senegalensis* | (Ferretti et al. 2018) |
| *Alistipes shahii* | (Korpela et al. 2018; Ferretti et al. 2018) |
| *Bacteroides caccae* | (Nayfach et al. 2016; Ferretti et al. 2018) (Korpela et al. 2018) |
| *Bacteroides cellulosilyticus* | (Nayfach et al. 2016) |
| *Bacteroides dorei* | (Yassour et al. 2018; Ferretti et al. 2018; Wampach et al. 2018) |
| *Bacteroides eggerthii* | (Korpela et al. 2018) |
| *Bacteroides faecis* | (Ferretti et al. 2018) |
| *Bacteroides finegoldii* | (Korpela et al. 2018; Ferretti et al. 2018) |
| *Bacteroides fragilis* | (Nayfach et al. 2016; Korpela et al. 2018) |
| *Bacteroides intestinalis* | (Ferretti et al. 2018) |
| *Bacteroides ovatus* | (Nayfach et al. 2016; Ferretti et al. 2018) |
| *Bacteroides plebeius* | (Ferretti et al. 2018) |
| *Bacteroides salanitronis* | (Ferretti et al. 2018) |
| *Bacteroides stecoris* | (Nayfach et al. 2016; Korpela et al. 2018) |
| *Bacteroides thetaiotamicron* | (Nayfach et al. 2016) |
| *Bacteroides uniformis* | (Nayfach et al. 2016; Yassour et al. 2018; Ferretti et al. 2018; Wampach et al. 2018) |
| *Bacteroides vulgatus* | (Nayfach et al. 2016; Yassour et al. 2018; Ferretti et al. 2018) |
| *Barnesiella intestinihominis* | (Ferretti et al. 2018) |
| *Bifidobacterium catenulatum* | (Duranti et al. 2017) |
| *Bifidobacterium pseudocatenulatum* | (Nayfach et al. 2016; Duranti et al. 2017; Korpela et al. 2018; Wampach et al. 2018) |
| *Blautia wexlerae* | (Nayfach et al. 2016) |
| *Collinsella aerofaciens* | (Korpela et al. 2018) |
| *Coprococcus comes* | (Asnicar et al. 2017) |
| *Dialister invisus* | (Korpela et al. 2018) |
| *Dorea formicigenerans* | (Korpela et al. 2018) |
| *Eggerthella* | (Wampach et al. 2018) |
| *Eschericia coli* | (Nayfach et al. 2016; Yassour et al. 2018; Ferretti et al. 2018) |
| *Eubacterium eligens* | (Nayfach et al. 2016; Ferretti et al. 2018) |
| *Eubacterium rectale* | (Nayfach et al. 2016; Ferretti et al. 2018) |
| *Faecalibacterium prausnitzii* | (Nayfach et al. 2016; Ferretti et al. 2018) |
| *Haemophilus sputorum* | (Ferretti et al. 2018) |
| *Lactobacillus casei* | (Albesharat et al. 2011; Jost et al. 2014) |
| *Odoribacter splanchnicus* | (Ferretti et al. 2018) |
| *Parabacteroides distasonis* | (Nayfach et al. 2016; Ferretti et al. 2018) |
| *Parabacteroides merdae* | (Nayfach et al. 2016) |
| *Prevotella copri* | (Korpela et al. 2018) |
| *Ruminococcus* | (Wampach et al. 2018) |
| *Ruminococcus bromii* | (Asnicar et al. 2017; Ferretti et al. 2018) |
| *Ruminococcus gnavus* | (Korpela et al. 2018) |
| *Staphylococcus massiliensis* | (Ferretti et al. 2018) |
| *Streptococcus lutetiensis* | (Albesharat et al. 2011) |
| *Sutterella wadsworthensis* | (Ferretti et al. 2018) |

Supplementary table 1: The detailed overview of the identical strains detected in maternal feces and infant feces that were not shared in a human milk source. Sharing identical strains between the intestinal microbiota of mother and child support the hypothesis of maternal to child transmission of microbiota. The underlying mechanism of transmission are still under debate as human milk could be a possible intermediate transmission but for these strains no human milk data supports that hypothesis. This detailed information is summarized in Figure 2A as part of the strain transmission between mother and child.

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