

Table 2. Changes in microbiota composition associated with obesity and FMT therapeutic strategies

Models	Disease	Implicated microbiota	New therapeutic strategies	Implicated microbiota	Reference
Mice	Obesity	<i>Bacteroidetes</i> ↓, <i>Firmicutes</i> ↑	FMT	<i>Bacteroidetes</i> ↑, <i>Firmicutes</i> ↓	31
Human	Metabolic syndrome	NO	FMT	Butyrate-producing microbiota (e.g. <i>Roseburia intestinalis</i> or <i>Eubacterium hallii</i>)	56
Mice	Obesity	NO	FMT	NO	61
Mice	Obesity	<i>Gammaproteobacteria</i> (<i>Escherichia</i>) ↓, <i>Verrucomicrobia</i> (<i>Akkermansia</i>) ↓ and <i>Bacteroidales</i> ↓	FMT	<i>Verrucomicrobiales</i> ↑, <i>Akkermansia</i> ↑, <i>Alistipes</i> (<i>Bacteroidetes</i> phylum) ↑	65
Mice	Obesity	NO	FMT	NO	66

NO refers to no test or no research.