

Table S5a. GRADE evaluation for the primary outcome of post-operative ileus.

Comparison	Nº of participants (studies)	Relative Risk (95% CI)	Certainty of the evidence (GRADE)	Comments
Probiotics vs Placebo (direct evidence)	217 (4 studies)	0.38 [0.14, 0.98]	Low	Within study bias Heterogeneity
Probiotics vs Placebo (Network MA)		0.38 [0.14, 0.98]	Low	Within study bias Heterogeneity
Synbiotics vs Placebo (direct evidence)	362 (1 study)	0.81 [0.31, 2.08]	Moderate	Imprecision
Synbiotics vs Placebo (Network MA)		0.81 [0.31, 2.08]	Moderate	Imprecision
Probiotics vs Synbiotics (Network MA)		0.47 [0.12, 1.79]	Moderate	Imprecision

Table S5b. GRADE evaluation for the primary outcome of time to first flatus.

Comparison	Nº of participants (studies)	Mean Difference (95% CI)	Certainty of the evidence (GRADE)	Comments
Probiotics vs Placebo (direct evidence)	521 (7 study)	-0.47 [-0.78, -0.17]	Moderate	Within study bias
Probiotics vs Placebo (Network MA)		-0.47 [-0.78, -0.17]	Moderate	Within study bias
Synbiotics vs Placebo (direct evidence)	180 (3 study)	-0.53 [-0.96, -0.09]	Low	Within study bias Heterogeneity
Synbiotics vs Placebo (Network MA)		-0.53 [-0.96, -0.09]	Low	Within study bias Heterogeneity
Probiotics vs Synbiotics (Network MA)		-0.55 [-1.69, 0.60]	Low	Within study bias Imprecision