



Fig. S1

Species	Response status	Donor-Recipient	Days			
			0	7	31	65
Acidaminococcus sp. D21	Not response	D1 vs. R1	Red	Red	Red	Red
	Complete response	D1 vs. R3	White	Red	Red	White
	Partial response	D1 vs. R5	White	Red	White	Red
	Partial response	D1 vs. R7	White	Red	Red	Red
	Not response	D1 vs. R9	White	Red	White	White
Bifidobacterium adolescentis	Not response	D1 vs. R1	Red	Blue	Blue	Red
	Complete response	D1 vs. R3	White	Blue	Blue	Blue
	Partial response	D1 vs. R5	White	Blue	Blue	Blue
	Partial response	D1 vs. R7	White	Blue	Blue	Blue
Collinsella aerofaciens	Not response	D1 vs. R1	Red	Blue	Blue	Blue
	Complete response	D1 vs. R3	Red	Blue	Blue	Blue
	Partial response	D1 vs. R5	Red	Blue	Blue	Blue
	Partial response	D1 vs. R7	Red	Blue	Red	Red
	Not response	D1 vs. R9	Red	Blue	Blue	Blue
	Not response	D2 vs. R2	Red	Red	Red	Red
	Not response	D2 vs. R4	Red	Red	Red	Red
	Not response	D2 vs. R6	Red	Red	Red	Red
	Not response	D2 vs. R8	Red	White	Red	Red
	Not response	D2 vs. R10	Red	Red	Red	Red
Coprococcus eutactus	Not response	D2 vs. R2	Red	Blue	Blue	Blue
	Not response	D2 vs. R4	Red	Blue	Blue	Blue
	Not response	D2 vs. R6	Red	Blue	Blue	Blue
	Not response	D2 vs. R8	Red	Blue	Blue	Blue
	Not response	D2 vs. R10	Red	Blue	Blue	Blue
Eubacterium eligens	Not response	D1 vs. R1	Red	Red	Red	Red
	Complete response	D1 vs. R3	White	White	White	Red
	Partial response	D1 vs. R7	White	White	White	Red
	Not response	D1 vs. R9	Red	Blue	Red	Red
	Not response	D2 vs. R4	White	Blue	White	White
	Not response	D2 vs. R6	White	Red	Red	Red
	Not response	D2 vs. R8	White	Blue	White	White
Eubacterium rectale	Not response	D1 vs. R1	Red	Red	Blue	Blue
	Complete response	D1 vs. R3	White	White	White	Blue
	Partial response	D1 vs. R5	White	Blue	Blue	Blue
	Partial response	D1 vs. R7	White	Blue	Blue	Red
	Not response	D1 vs. R9	White	Blue	Blue	Red
	Not response	D2 vs. R2	White	Blue	Red	Red
	Not response	D2 vs. R4	White	Red	Red	Red
	Not response	D2 vs. R6	White	Red	Red	Blue
	Not response	D2 vs. R8	White	White	Red	Red
	Not response	D2 vs. R10	White	Red	Blue	Red

Species	Response status	Donor-Recipient	Days				
			0	7	31	65	
Eubacterium siraeum	Not response	D2 vs. R4	Red	White	Red	White	
	Not response	D2 vs. R8	White	White	White	White	
Faecalibacterium prausnitzii A2	Not response	D2 vs. R2	Red	Red	Blue	Blue	
	Not response	D2 vs. R4	Red	Red	Blue	Blue	
	Not response	D2 vs. R6	Red	Red	Red	Red	
	Not response	D2 vs. R8	Red	Red	Red	Red	
Faecalibacterium prausnitzii L2	Not response	D1 vs. R1	Red	Red	Red	Red	
	Complete response	D1 vs. R3	Red	Red	Red	Red	
	Partial response	D1 vs. R5	Red	Blue	Blue	Blue	
	Partial response	D1 vs. R7	Red	Blue	Blue	Blue	
Faecalibacterium prausnitzii L2	Not response	D1 vs. R9	Red	Blue	Blue	Red	
	Not response	D2 vs. R2	Red	Red	Red	Red	
	Not response	D2 vs. R4	Red	White	Red	Red	
	Not response	D2 vs. R6	Red	Red	Red	Red	
	Not response	D2 vs. R8	Red	White	Red	Red	
	Not response	D2 vs. R10	Red	Red	Red	Red	
	Faecalibacterium prausnitzii SL3	Not response	D2 vs. R2	Red	Red	Red	Red
		Not response	D2 vs. R4	Red	White	Red	Red
Not response		D2 vs. R6	Red	Red	Red	Red	
Not response		D2 vs. R8	Red	Red	Red	Red	
Prevotella copri	Not response	D2 vs. R2	Red	White	White	Blue	
	Not response	D2 vs. R6	Red	Red	Red	White	
	Not response	D2 vs. R8	Red	Red	Red	Red	
	Not response	D2 vs. R10	White	Red	Red	Red	
Roseburia intestinalis	Not response	D1 vs. R1	Red	White	Blue	White	
	Partial response	D1 vs. R5	Red	White	Red	Red	
	Partial response	D1 vs. R7	Red	Red	Blue	Blue	
	Not response	D1 vs. R9	Red	Blue	White	White	
	Not response	D2 vs. R2	Red	Blue	Blue	Blue	
	Not response	D2 vs. R4	Red	Red	Red	Red	
	Not response	D2 vs. R6	White	White	Blue	White	
	Not response	D2 vs. R10	Red	Blue	White	Red	

 Pre or Post FMT strain was related to the donor's strain
 Pre or Post FMT strain was unrelated to the donor's strain