

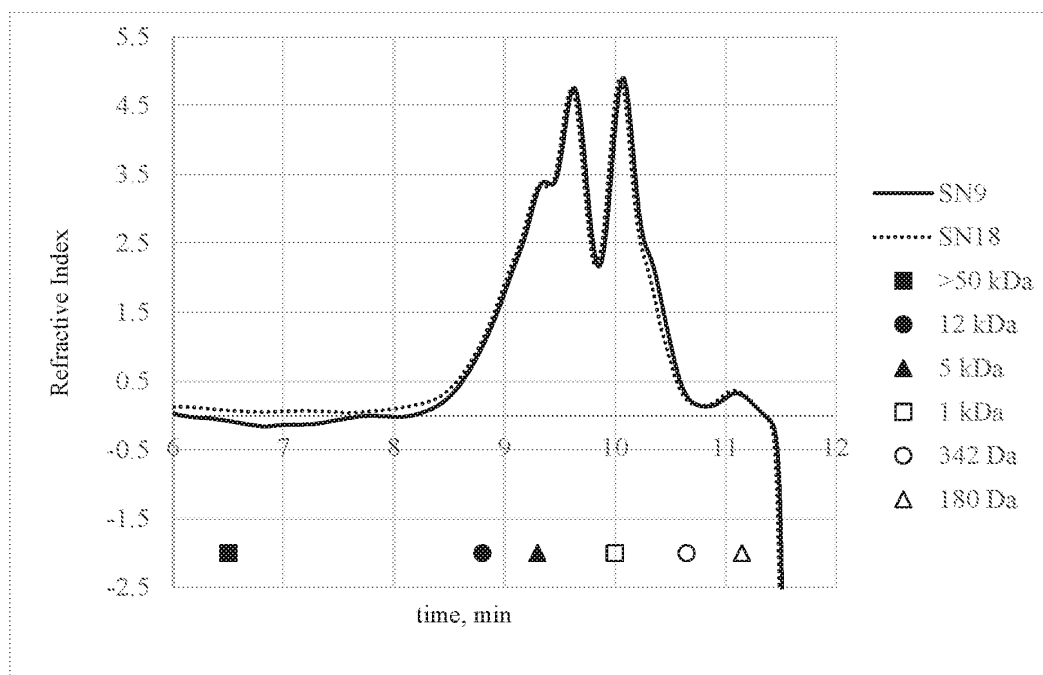


FIG. 1a

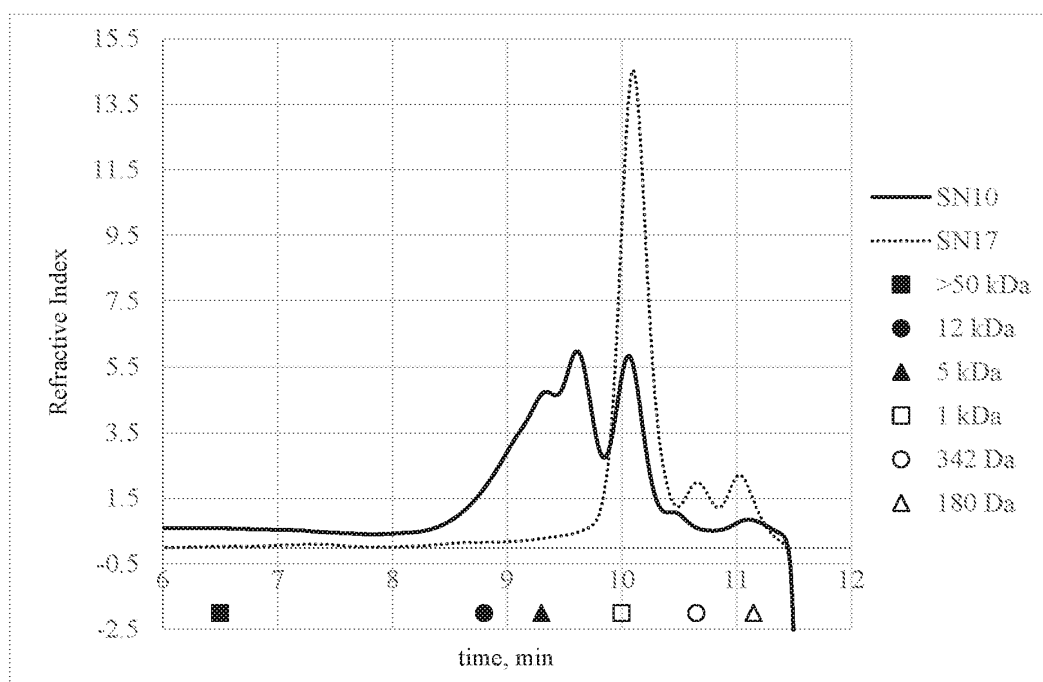


FIG. 1b

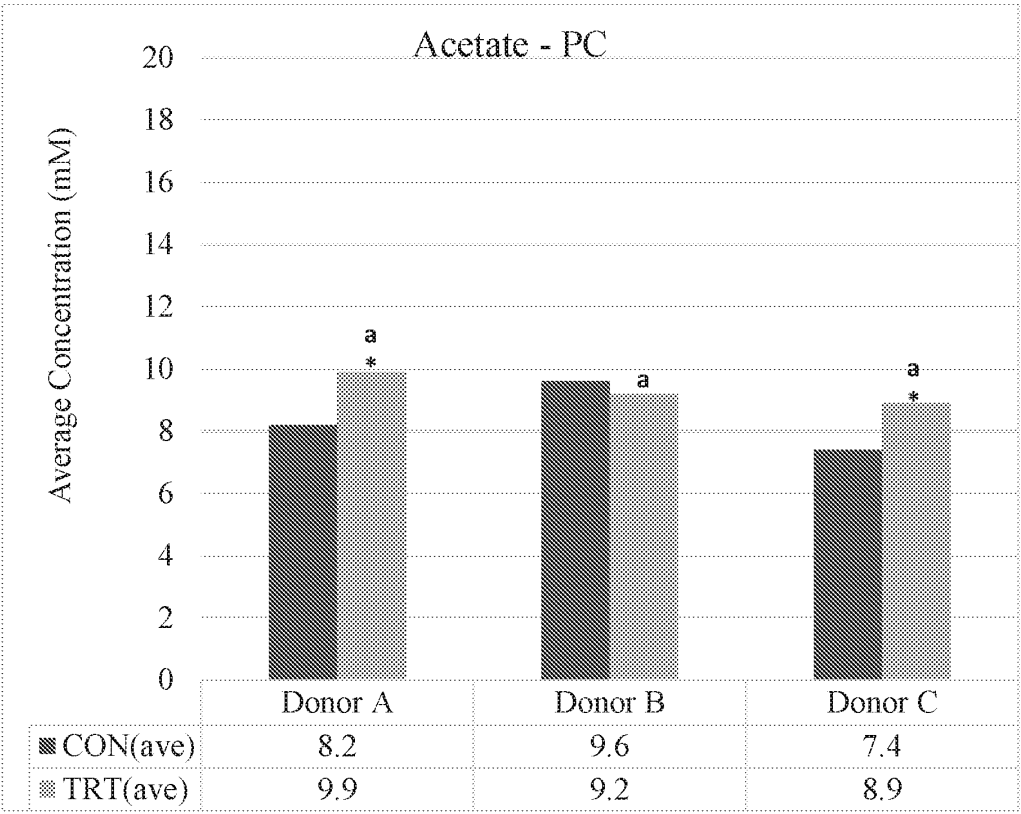


FIG. 2a

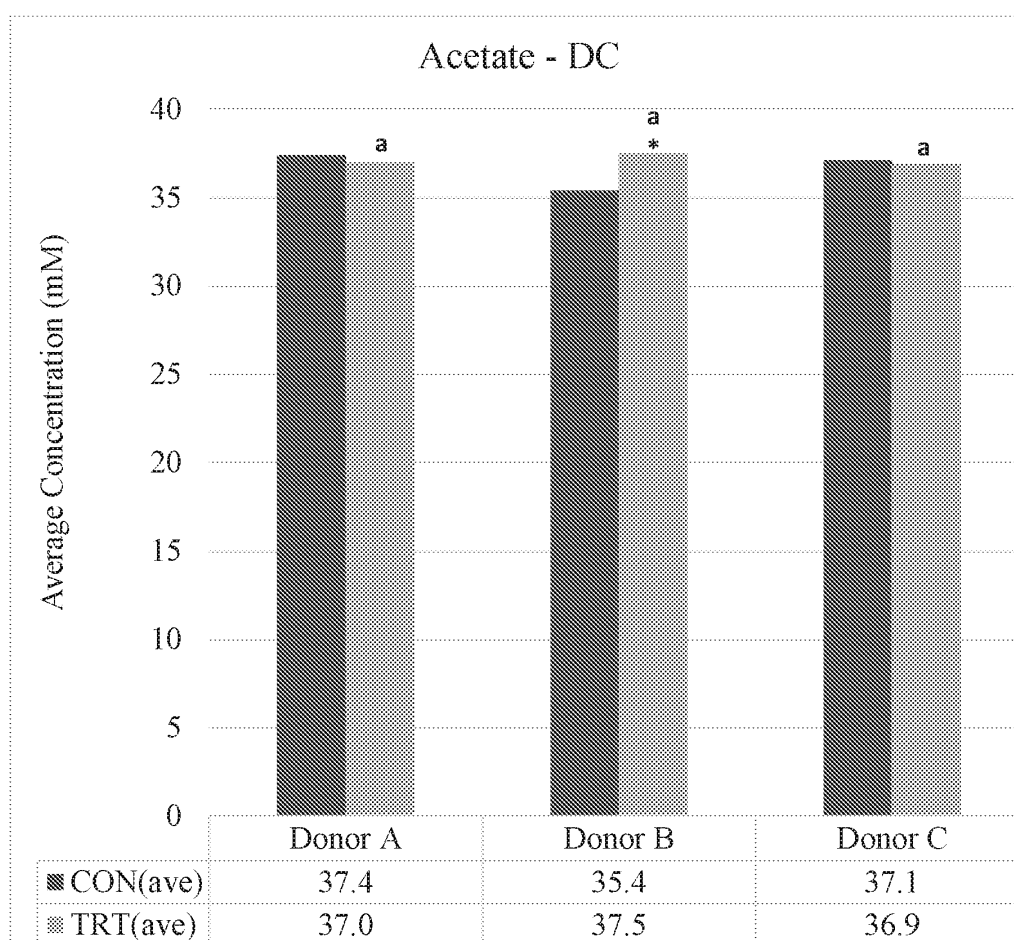
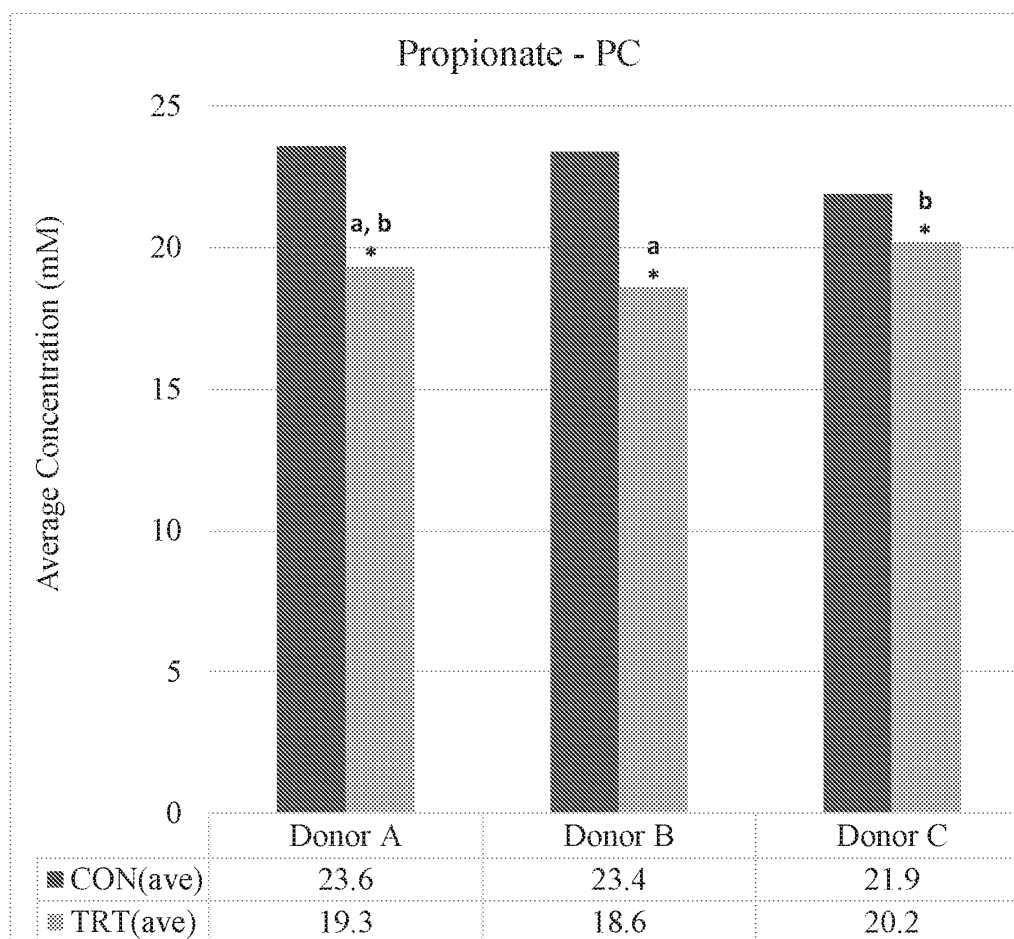


FIG. 2b

**FIG. 3a**

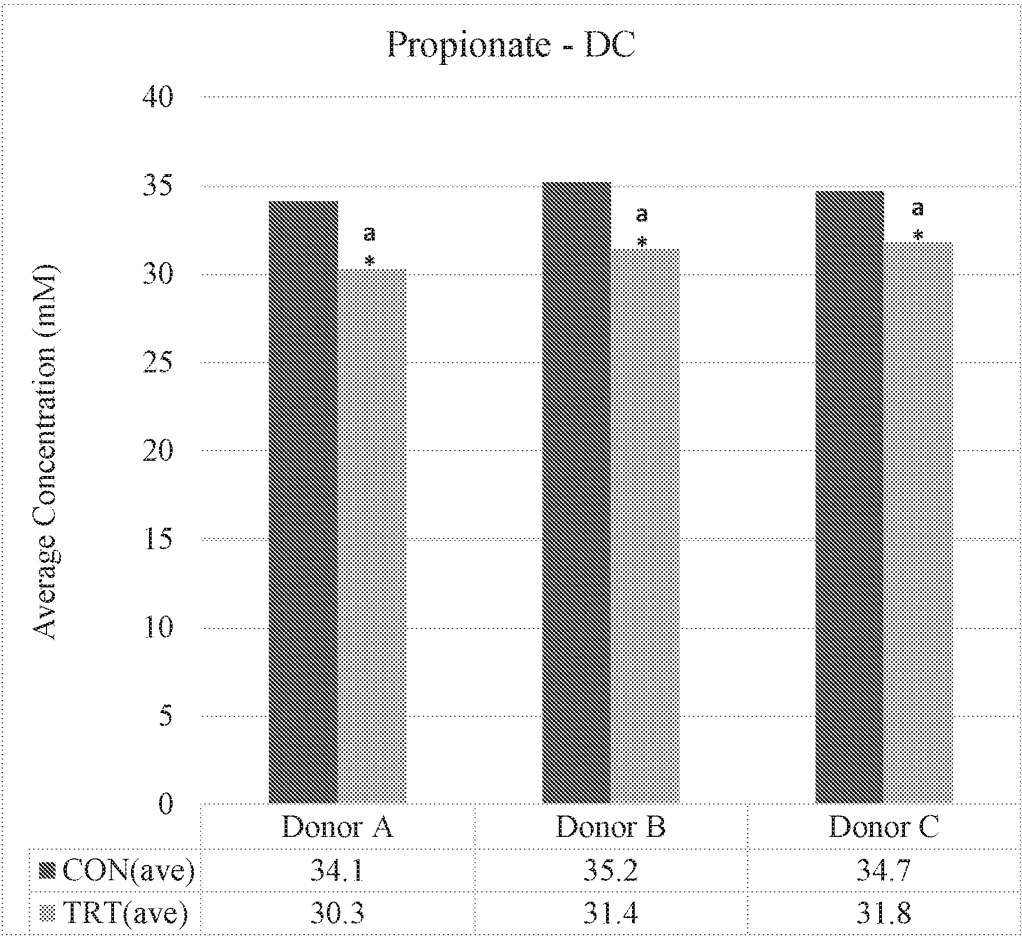


FIG. 3b

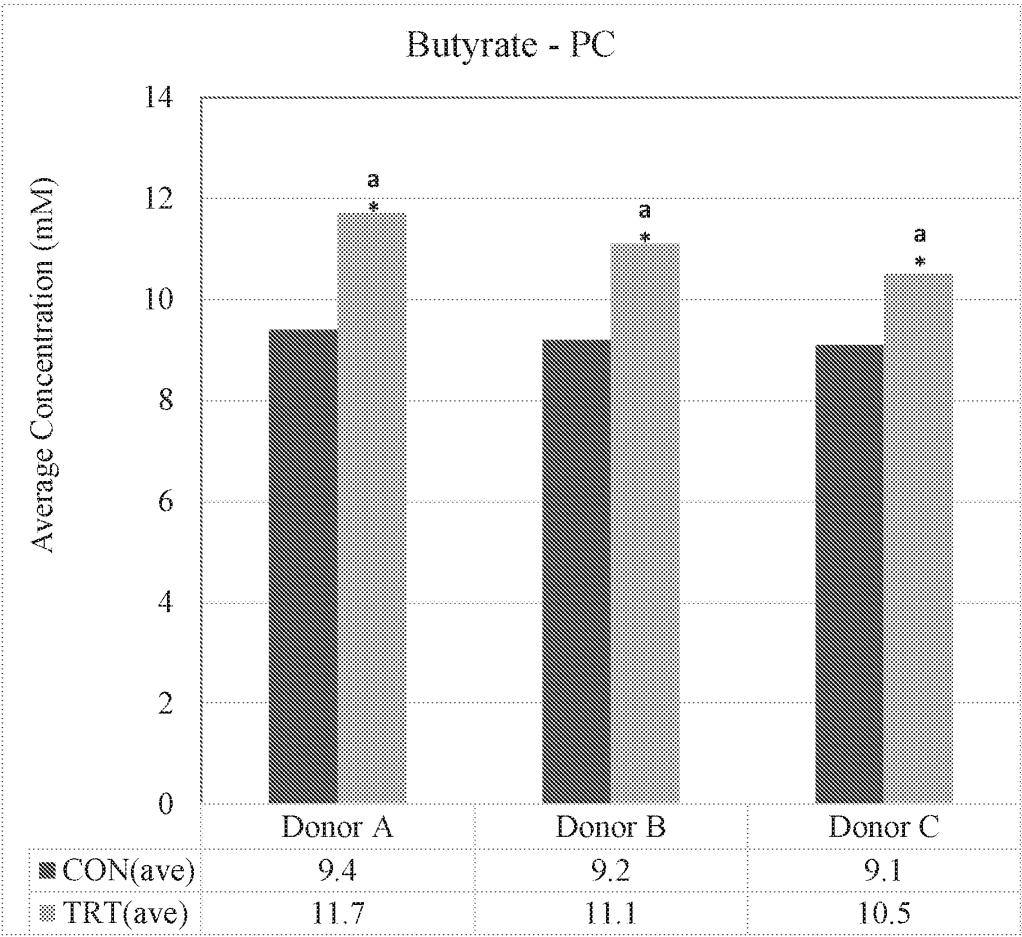


FIG. 4a

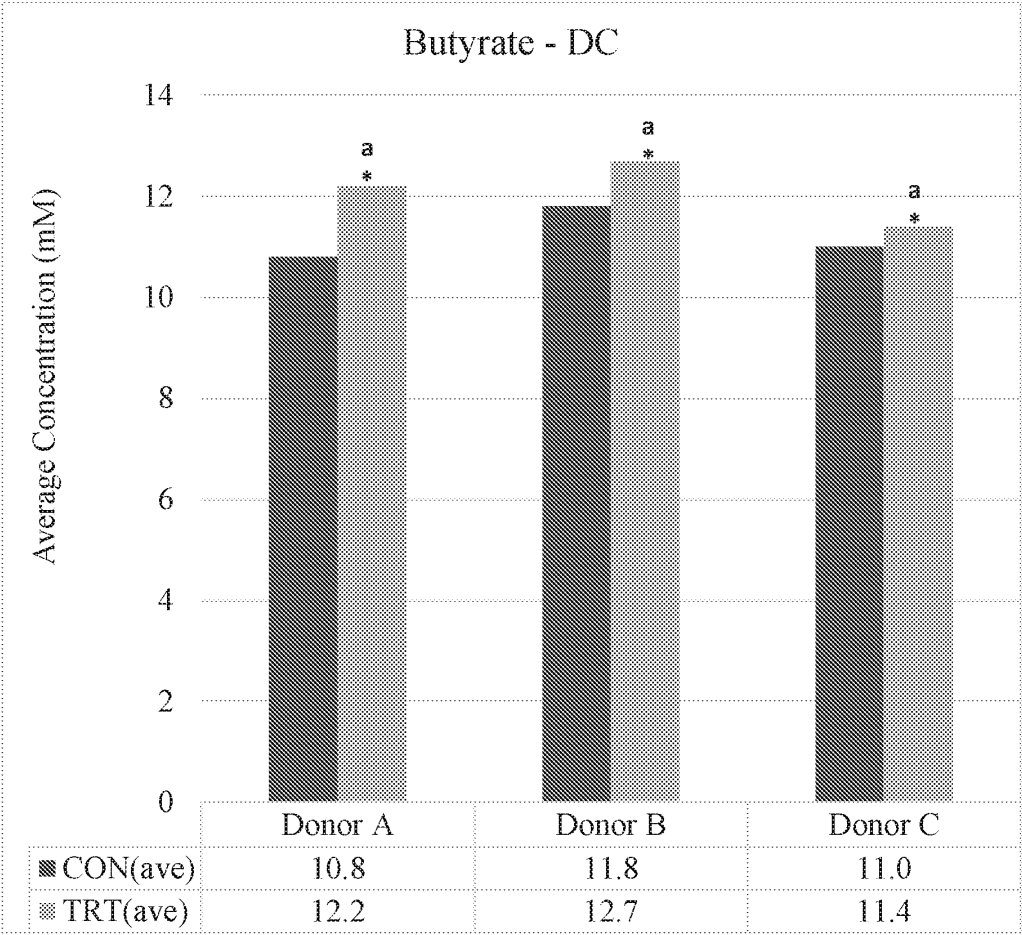


FIG. 4b

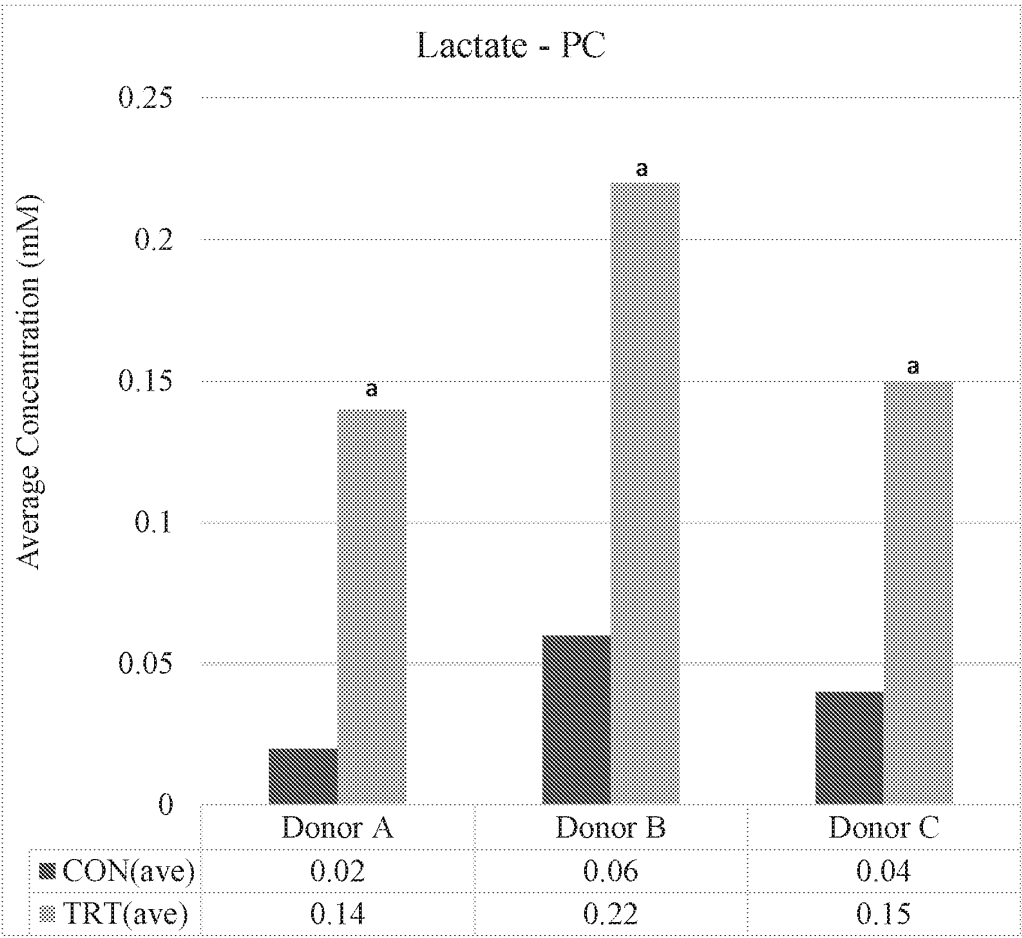


FIG. 5a

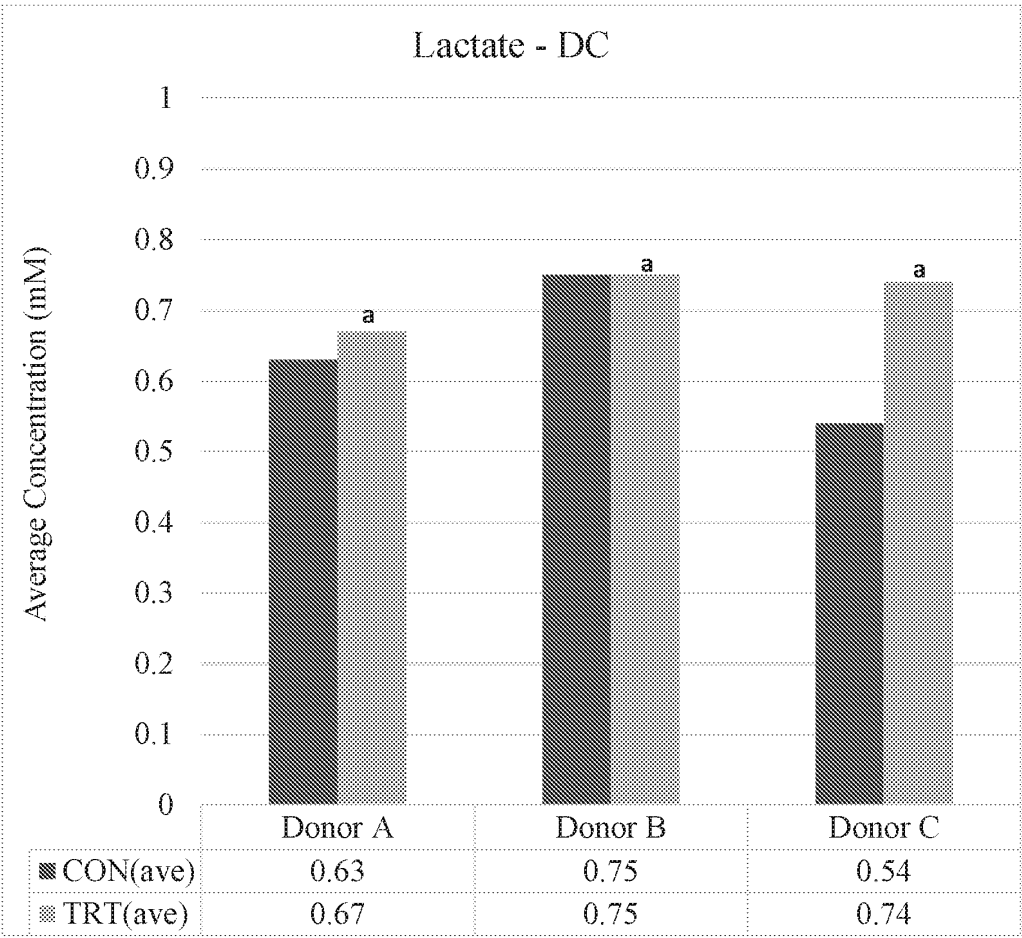


FIG. 5b

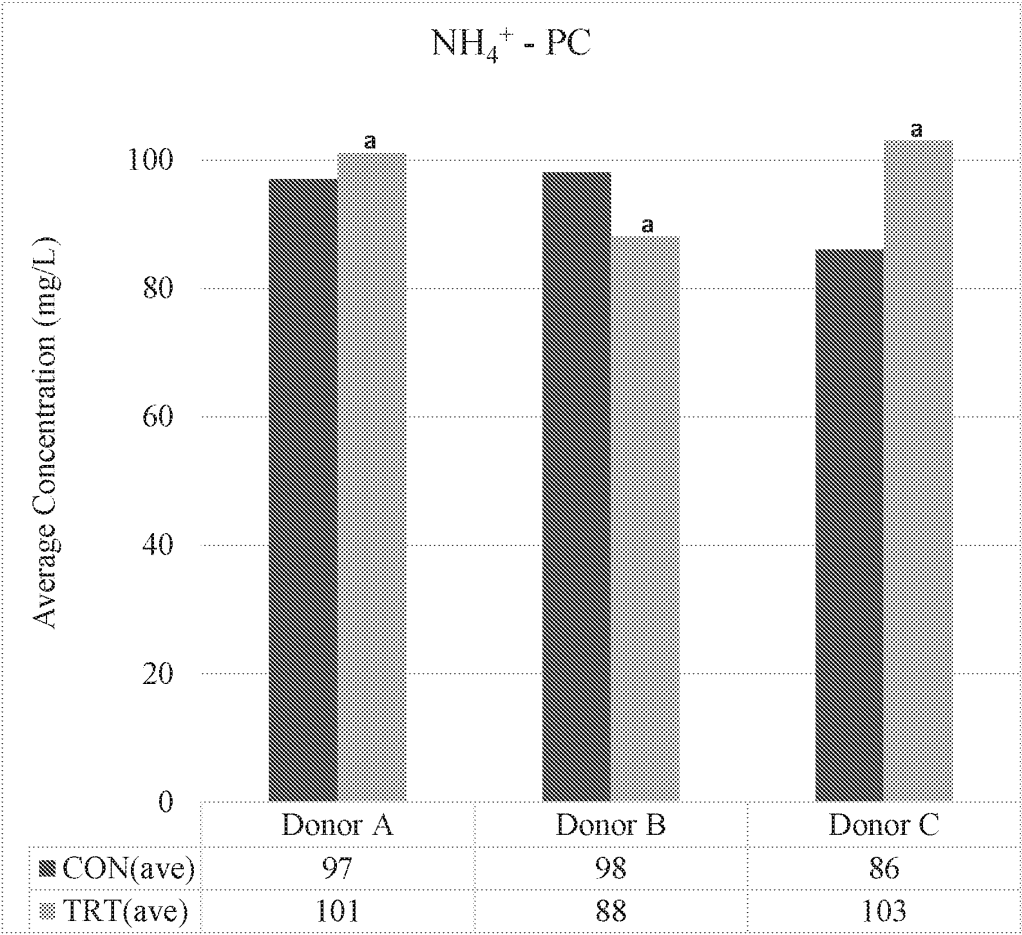


FIG. 6a

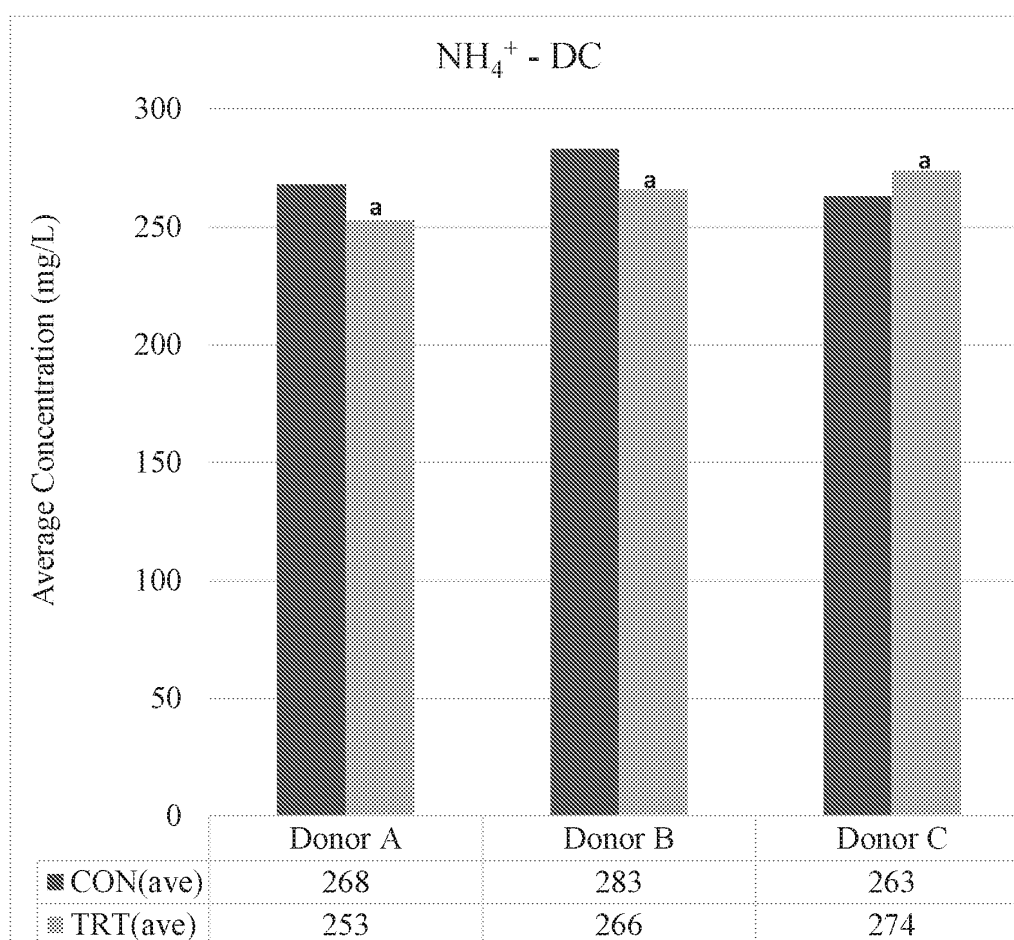


FIG. 6b

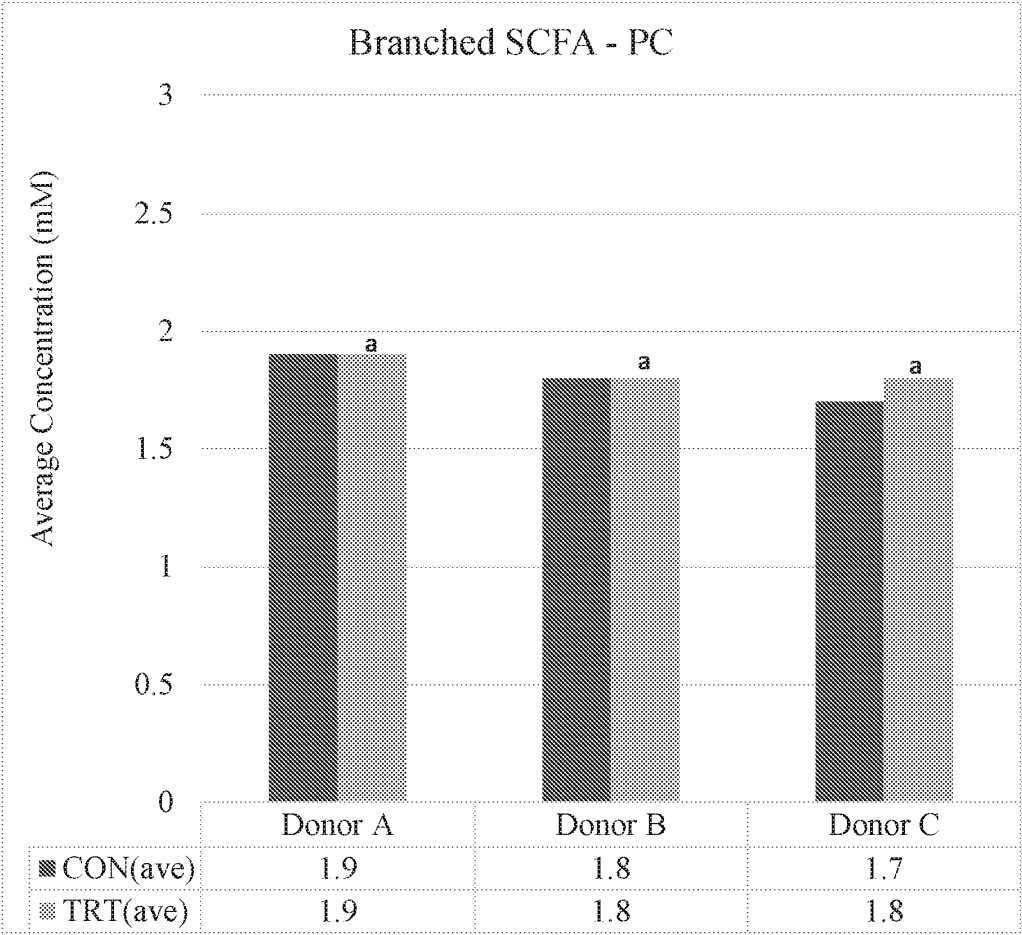


FIG. 7a

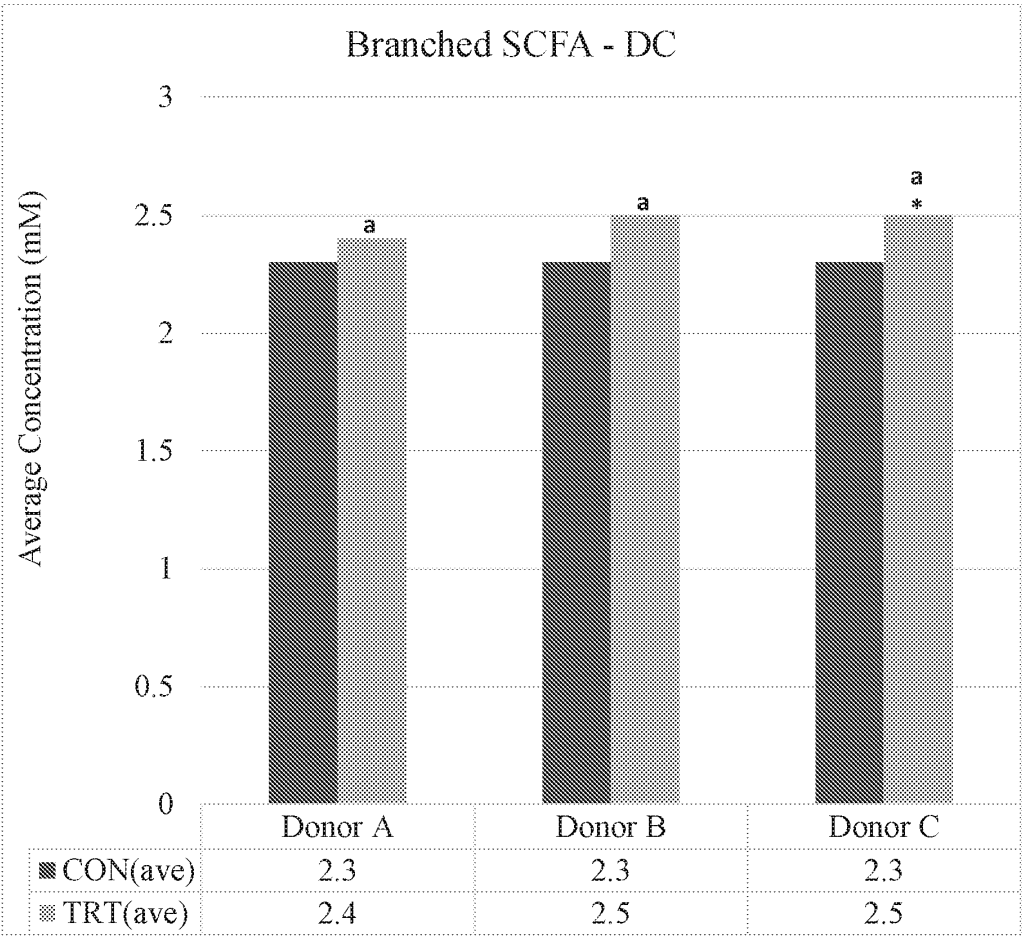


FIG. 7b

		Donor A					Donor B					Donor C				
		C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3
Lumen	PC	4.3	5.1	3.7	3.8	3.9	4.9	4.9	3.7	4.4	3.9	3.7	5.8	5.3	7.3	4.4
	DC	13.4	13.5	12.5	15.5	14.9	10.0	5.8	10.9	8.0	8.8	13.1	12.0	14.0	12.3	13.6
Mucous	PC	3.8		11.2	5.3	6.6	4.4	2.9	3.5	4.8	5.2	3.3	3.4	9.9	5.4	11.8
	DC	11.2	6.3	13.6	11.7	8.9	5.4	6.7	6.4	12.5	7.7	7.6	9.0	15.5	10.7	12.3

FIG. 8

PC Lumen	Donor A						Donor B						Donor C					
	C1	C2	TR1	TR2	TR3		C1	C2	TR1	TR2	TR3		C1	C2	TR1	TR2	TR3	
Verrucomicrobia	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Synergistetes	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.1	0.0	0.3	
Proteobacteria	1.3	7.5	6.0	5.8	8.0		1.0	8.8	12.2	15.6	8.9		3.9	11.4	10.1	20.4	15.2	
Lentisphaerae	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Firmicutes	41.9	41.0	21.7	18.5	23.0		40.1	40.7	33.6	21.2	27.7		53.7	43.8	46.1	34.4	20.4	
Bacteroidetes	32.7	10.6	14.6	7.9	4.0		39.7	6.9	0.3	3.2	2.2		6.1	6.5	1.7	0.5	1.1	
Actinobacteria	24.1	40.9	57.7	67.8	64.9		19.2	43.5	53.9	60.0	61.1		36.3	38.3	42.0	44.7	63.1	
DC Lumen	C1	C2	TR1	TR2	TR3		C1	C2	TR1	TR2	TR3		C1	C2	TR1	TR2	TR3	
Verrucomicrobia	1.2	0.8	1.0	1.5	1.3		0.1	0.1	0.1	0.0	0.0		0.1	0.0	0.0	0.0	0.0	
Synergistetes	7.6	6.2	20.7	15.9	12.4		13.0	16.7	20.5	13.7	17.4		6.7	7.8	16.1	11.8	18.8	
Proteobacteria	2.4	2.3	2.0	1.9	3.7		1.6	3.2	1.0	1.6	2.3		1.7	4.6	4.4	3.2	5.5	
Lentisphaerae	0.0	0.0	0.0	0.6	0.1		0.0	0.0	0.1	0.1	0.0		0.0	0.0	0.1	0.2	0.0	
Firmicutes	40.1	37.6	29.4	29.3	30.3		38.9	28.2	33.8	32.7	30.9		44.9	38.8	32.0	40.8	33.1	
Bacteroidetes	46.9	51.7	39.4	38.4	36.8		43.6	50.1	33.0	43.5	36.4		43.1	46.2	36.7	32.1	29.9	
Actinobacteria	1.6	1.2	7.4	11.5	15.3		2.7	1.7	11.4	8.2	12.9		3.4	2.4	10.6	11.9	12.7	
PC Mucus	C1	C2	TR1	TR2	TR3		C1	C2	TR1	TR2	TR3		C1	C2	TR1	TR2	TR3	
Verrucomicrobia	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.1	0.0	
Synergistetes	0.0		0.0	0.0	0.4		0.0	0.0	0.0	0.1	0.0		0.0	0.0	0.4	38.5	3.2	
Proteobacteria	1.2		15.4	4.9	15.8		1.3	0.2	2.1	7.6	6.2		2.1	0.8	23.4	1.8	7.8	
Lentisphaerae	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.3	0.0	
Firmicutes	54.6		40.8	32.8	39.7		53.5	24.5	32.4	29.2	44.1		46.5	35.4	37.4	41.9	50.6	
Bacteroidetes	13.4		27.3	11.2	9.0		9.7	21.1	10.1	6.1	2.7		1.8	14.1	11.1	11.5	4.8	
Actinobacteria	30.8		16.5	51.1	35.1		35.4	54.2	55.5	56.9	46.9		49.6	49.7	27.7	5.6	33.6	
DC Mucus	C1	C2	TR1	TR2	TR3		C1	C2	TR1	TR2	TR3		C1	C2	TR1	TR2	TR3	
Verrucomicrobia	1.8	0.2	0.0	0.7	0.2		0.1	0.0	0.0	0.0	0.0		0.1	0.0	0.0	0.0	0.0	
Synergistetes	23.9	37.4	18.8	21.3	27.7		38.5	35.7	36.6	21.4	26.7		27.8	27.6	17.1	24.9	17.7	
Proteobacteria	8.0	1.9	5.5	15.5	6.5		1.8	4.4	2.1	3.1	3.2		5.1	11.7	12.5	2.9	7.7	
Lentisphaerae	0.0	0.0	0.0	0.8	4.5		0.3	0.2	0.2	0.1	0.1		0.9	0.2	0.2	1.0	1.1	
Firmicutes	46.6	34.4	33.1	31.5	37.5		41.9	36.8	45.6	46.8	54.8		41.3	37.2	52.8	43.1	56.7	
Bacteroidetes	14.0	23.7	29.9	18.2	14.3		11.5	21.4	12.8	15.3	10.8		11.2	18.6	11.5	15.6	10.2	
Actinobacteria	5.7	2.3	12.7	12.0	9.3		5.6	1.3	2.5	13.0	4.2		13.3	4.6	5.8	12.4	6.5	

FIG. 9

Phylum	Family	PC - Lumen														
		Donor A						Donor B						Donor C		
		C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3
Actinobacteria	Bifidobacteriaceae	22.6%	22.3%	46.4%	42.4%	42.8%	17.5%	25.2%	46.9%	40.4%	42.9%	34.0%	26.6%	27.3%	21.0%	41.1%
	Coriobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Microbacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.0%	0.0%	0.0%	0.2%	0.7%
	Micrococcaceae	1.5%	18.6%	11.3%	25.4%	37.0%	1.7%	18.3%	7.0%	19.3%	17.8%	2.3%	11.7%	14.6%	23.3%	21.1%
	Bacteroidaceae	32.7%	10.6%	14.6%	7.9%	4.0%	39.7%	6.9%	0.3%	3.2%	2.1%	6.1%	6.4%	1.7%	0.4%	1.1%
Bacteroidetes	Bacteroidales_S24-7 group	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Porphyromonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Prevotellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Rikenellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Acidaminococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Firmicutes	Christensenellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Clostridiaceae_I	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
	Enterococcaceae	0.1%	0.0%	0.3%	0.2%	0.2%	0.0%	0.1%	0.4%	0.4%	0.3%	0.2%	0.1%	0.7%	0.9%	1.0%
	Erysipelotrichaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Eubacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lentisphaerae	Family_XIII	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Lachnospiraceae	8.4%	0.8%	1.0%	0.6%	1.2%	5.6%	0.1%	0.1%	0.3%	0.6%	0.9%	0.6%	0.2%	0.1%	1.0%
	Ruminococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Veillonellaceae	33.4%	40.1%	20.4%	17.7%	21.7%	34.4%	40.5%	32.9%	20.5%	26.9%	32.6%	43.1%	45.1%	24.3%	18.4%
	Victivallaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Proteobacteria	Alcaligenaceae	0.0%	0.4%	0.1%	0.0%	0.3%	0.1%	1.0%	0.7%	0.7%	0.6%	0.3%	1.4%	0.6%	1.8%	0.8%
	Desulfovibrionaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Enterobacteriaceae	1.1%	1.2%	4.5%	2.5%	3.0%	0.1%	0.5%	2.0%	2.2%	1.8%	0.6%	0.9%	2.4%	3.6%	1.2%
	Pseudomonadaceae	0.1%	5.8%	1.2%	2.4%	2.3%	0.3%	5.9%	8.5%	10.9%	3.7%	2.7%	8.0%	6.3%	10.4%	5.7%
	Rhodospirillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Synergistetes	Xanthomonadaceae	0.1%	0.1%	0.2%	0.8%	2.3%	0.5%	1.4%	1.0%	1.9%	2.8%	0.2%	1.1%	0.8%	4.6%	7.5%
	Synergistaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%
Verrucomicrobia	Verrucomicrobiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

FIG. 10

Phylum	Family	DC - Lumen														
		Donor A						Donor B						Donor C		
		C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3
Actinobacteria	Bifidobacteriaceae	1.5%	0.5%	5.9%	6.4%	11.6%	2.5%	1.3%	10.5%	5.4%	11.1%	3.3%	2.0%	7.1%	7.7%	8.8%
	Coriobacteriaceae	0.1%	0.1%	0.0%	0.1%	0.1%	0.2%	0.1%	0.2%	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%
	Microbacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%
	Micrococaceae	0.1%	0.5%	1.5%	5.0%	3.6%	0.0%	0.3%	0.7%	2.6%	1.6%	0.1%	0.5%	3.4%	4.1%	3.5%
Bacteroidetes	Bacteroidaceae	33.8%	46.1%	29.7%	33.4%	26.3%	36.5%	45.2%	27.8%	39.2%	29.3%	32.7%	36.5%	29.3%	27.7%	23.2%
	Bacteroidales_S24-group	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	1.8%	0.1%	0.1%	0.0%
	Porphyromonadaceae	2.6%	4.8%	9.4%	4.7%	9.4%	6.9%	4.3%	4.2%	3.7%	6.5%	8.9%	5.0%	3.8%	3.1%	6.1%
	Prevotellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.2%	0.1%	0.1%	0.4%	0.7%	0.9%	0.2%
Firmicutes	Rikenellaceae	0.6%	1.0%	0.4%	1.1%	1.1%	0.2%	0.4%	0.6%	0.4%	0.5%	1.4%	2.6%	2.7%	0.4%	0.3%
	Acidaminococcaceae	1.3%	1.1%	1.8%	1.1%	2.9%	1.0%	1.0%	1.8%	1.1%	2.4%	1.5%	1.6%	1.9%	0.9%	2.7%
	Christensenellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Clostridiaceae I	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Enterococcaceae	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	1.1%	0.3%
	Erysipelotrichaceae	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%
	Eubacteriaceae	0.0%	0.0%	0.1%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.2%	0.4%
	Family XIII	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
	Lachnospiraceae	29.8%	30.0%	21.3%	22.5%	19.7%	32.5%	19.2%	23.5%	22.4%	23.3%	36.1%	30.6%	25.0%	35.3%	24.8%
	Ruminococcaceae	1.6%	2.1%	2.7%	3.3%	0.9%	1.0%	1.8%	6.8%	7.3%	0.9%	0.4%	0.3%	0.6%	1.8%	0.6%
	Veillonellaceae	7.3%	4.3%	3.5%	1.7%	6.3%	4.2%	6.0%	1.6%	1.8%	4.0%	6.7%	6.1%	4.2%	1.4%	4.1%
	Victivallaceae	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%
Lentisphaerae	Alcaligenaceae	0.5%	0.2%	0.3%	0.5%	0.7%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.4%	0.4%	0.3%	0.6%
	Desulfovibrionaceae	0.3%	0.3%	0.3%	0.2%	0.7%	0.6%	0.2%	0.3%	0.1%	0.7%	0.2%	0.2%	0.2%	0.1%	0.5%
	Enterobacteriaceae	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.3%	0.7%
	Pseudomonadaceae	1.5%	1.8%	1.3%	0.9%	2.1%	0.8%	0.9%	0.4%	1.0%	1.2%	1.2%	3.4%	3.0%	2.2%	3.3%
	Rhodospirillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.2%	0.2%	0.0%	0.0%	0.2%	0.5%	0.1%	0.0%
	Xanthomonadaceae	0.0%	0.0%	0.0%	0.2%	0.0%	0.1%	0.1%	0.1%	0.1%	0.2%	0.0%	0.2%	0.1%	0.3%	0.5%
Synergistetes	Synergistaceae	7.6%	6.2%	20.7%	15.9%	12.4%	13.0%	16.7%	20.5%	13.7%	17.4%	6.7%	7.8%	16.1%	11.8%	18.8%
Verrucomicrobia	Verrucomicrobiaceae	1.2%	0.8%	1.0%	1.5%	1.3%	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%

FIG. 11

Phylum	Family	PC - Mucus														
		Donor A					Donor B					Donor C				
		C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3
Actinobacteria	Bifidobacteriaceae	30.4%		13.5%	37.3%	29.6%	34.8%	53.8%	49.9%	39.9%	38.5%	48.8%	49.4%	23.0%	4.7%	26.6%
	Coriobacteriaceae	0.0%		0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.8%	1.1%
	Microbacteriaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
	Micrococaceae	0.4%		3.0%	13.8%	5.2%	0.6%	0.4%	5.5%	17.0%	7.9%	0.7%	0.3%	4.7%	0.1%	5.2%
	Bacteroidaceae	13.4%		27.3%	11.2%	8.9%	9.5%	21.1%	9.9%	6.0%	2.6%	1.7%	14.0%	10.8%	6.5%	3.6%
Bacteroidetes	Bacteroidales_S24-7_group	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Porphyromonadaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	4.0%	1.2%
	Prevotellaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Rikenellaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
	Acidaminococcaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	1.5%
Firmicutes	Christensenellaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Clostridiaceae_1	0.0%		3.5%	0.0%	1.5%	0.0%	0.0%	1.3%	0.2%	0.2%	0.2%	0.0%	0.1%	1.0%	3.8%
	Enterococcaceae	0.1%		3.4%	0.7%	2.7%	0.0%	0.0%	0.1%	0.4%	0.3%	0.0%	0.0%	1.3%	0.1%	2.1%
	Erysipelotrichaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Eubacteriaceae	0.0%		0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Family XIII	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Lachnospiraceae	38.2%		20.2%	16.0%	25.8%	20.7%	3.9%	0.5%	4.0%	18.0%	4.6%	1.3%	6.2%	35.9%	24.3%
Lentisphaerae	Ruminococcaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.1%
	Veillonellaceae	16.3%		13.6%	16.1%	9.5%	32.8%	20.6%	30.5%	24.6%	25.5%	41.6%	34.1%	29.8%	1.3%	18.5%
	Victivallaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
	Alcaligenaceae	0.0%		0.0%	0.1%	0.0%	0.6%	0.0%	0.6%	0.6%	0.1%	0.3%	0.6%	0.9%	0.2%	0.2%
	Desulfovibrionaceae	0.0%		0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.1%
Proteobacteria	Enterobacteriaceae	1.0%		15.0%	2.7%	0.8%	0.1%	0.1%	0.3%	3.1%	3.4%	0.5%	0.0%	1.9%	0.6%	6.1%
	Pseudomonadaceae	0.2%		0.2%	1.4%	5.5%	0.1%	0.0%	0.8%	2.7%	1.5%	1.0%	0.2%	7.8%	0.3%	0.7%
	Rhodospirillaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Xanthomonadaceae	0.0%		0.1%	0.4%	0.0%	0.0%	0.0%	0.1%	1.0%	1.1%	0.0%	0.0%	2.2%	0.1%	0.5%
Synergistetes	Synergistaceae	0.0%		0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.4%	38.5%	3.2%
Verrucomicrobia	Verrucomicrobiaceae	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%

FIG. 12

Phylum	Family	DC - Mucus														
		Donor A					Donor B					Donor C				
		C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3	C1	C2	TR1	TR2	TR3
Actinobacteria	Bifidobacteriaceae	3.3%	1.8%	8.8%	8.6%	7.8%	4.7%	1.0%	1.4%	10.1%	2.0%	10.4%	3.6%	4.6%	10.3%	4.3%
	Coriobacteriaceae	2.3%	0.4%	0.0%	0.2%	0.2%	0.8%	0.2%	0.9%	0.4%	1.1%	2.9%	0.8%	0.8%	0.2%	0.7%
	Microbacteriaceae	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
	Micrococcaceae	0.1%	0.1%	3.5%	3.2%	1.3%	0.1%	0.1%	0.2%	2.5%	1.0%	0.1%	0.1%	0.4%	1.9%	1.2%
Bacteroidetes	Bacteroidaceae	11.4%	20.2%	23.2%	16.5%	11.7%	6.5%	12.7%	7.2%	12.3%	5.3%	7.3%	13.4%	7.5%	12.7%	4.3%
	Bacteroidales_S24-7_group	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.3%	0.5%	0.4%	0.1%	0.1%	0.0%	0.2%	0.3%
	Porphyromonadaceae	1.9%	2.1%	6.1%	1.1%	1.9%	4.0%	7.6%	4.2%	2.1%	4.4%	2.5%	3.4%	2.9%	1.8%	4.7%
	Prevotellaceae	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
	Rikenellaceae	0.8%	1.4%	0.3%	0.7%	0.7%	0.8%	0.7%	0.9%	0.3%	0.6%	1.3%	1.6%	1.1%	0.6%	0.8%
	Acidaminococcaceae	1.1%	1.5%	2.7%	0.9%	0.7%	0.8%	1.6%	1.7%	1.6%	1.6%	1.1%	0.7%	1.3%	1.5%	1.6%
	Christensenellaceae	0.1%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.2%
	Clostridiaceae_1	4.0%	1.2%	0.0%	8.1%	14.3%	1.0%	2.0%	3.5%	0.6%	5.2%	1.1%	2.6%	10.1%	0.8%	5.6%
	Enterococcaceae	0.6%	0.0%	0.3%	0.8%	3.9%	0.1%	1.1%	0.1%	0.2%	0.5%	0.1%	0.2%	4.7%	5.8%	4.0%
	Erysipelotrichaceae	0.5%	0.3%	0.0%	0.2%	0.1%	0.1%	0.3%	0.3%	0.2%	0.1%	0.1%	0.1%	0.2%	0.0%	0.1%
Firmicutes	Eubacteriaceae	0.0%	0.0%	0.4%	1.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.8%	0.2%	0.8%	1.2%	1.6%	3.7%
	Family_XIII	0.1%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%	0.7%	0.3%	0.3%	0.3%	0.1%	0.2%
	Lachnospiraceae	36.1%	25.8%	24.8%	18.3%	13.6%	35.9%	28.0%	34.2%	28.6%	39.1%	34.3%	29.4%	32.0%	29.5%	39.4%
	Ruminococcaceae	2.8%	4.4%	0.6%	3.0%	2.4%	2.3%	2.4%	4.4%	11.3%	5.9%	1.9%	1.7%	2.3%	2.6%	2.3%
	Veillonellaceae	1.1%	0.7%	4.1%	0.8%	0.2%	1.3%	1.3%	1.4%	4.1%	0.2%	2.1%	1.3%	0.5%	1.1%	0.5%
	Victivallaceae	0.0%	0.0%	0.0%	0.8%	4.5%	0.3%	0.2%	0.2%	0.1%	0.1%	0.9%	0.2%	0.2%	1.0%	1.1%
	Alcaligenaceae	1.0%	0.4%	0.6%	0.2%	0.5%	0.2%	0.2%	0.2%	0.2%	0.5%	0.6%	0.4%	0.2%	0.3%	0.3%
Proteobacteria	Desulfotribionaceae	0.9%	0.9%	0.5%	0.2%	0.4%	0.7%	1.5%	1.3%	0.5%	0.6%	0.7%	1.0%	0.4%	0.2%	0.4%
	Enterobacteriaceae	1.9%	0.5%	0.7%	1.4%	3.0%	0.6%	2.2%	0.3%	0.8%	0.3%	3.2%	8.3%	7.9%	1.2%	0.7%
	Pseudomonadaceae	4.1%	0.2%	3.3%	13.5%	2.7%	0.3%	0.1%	0.0%	1.2%	1.5%	0.4%	2.0%	3.7%	0.8%	6.0%
	Rhodospirillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.5%	0.0%	0.1%	0.1%	0.2%	0.3%	0.1%
	Xanthomonadaceae	0.0%	0.0%	0.5%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%
	Synergistetes	23.9%	37.4%	18.8%	21.3%	27.7%	38.5%	33.7%	36.6%	21.4%	26.7%	27.8%	27.6%	17.1%	24.9%	17.7%
Verrucomicrobia	Verrucomicrobiaceae	1.8%	0.2%	0.0%	0.6%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%

FIG. 13

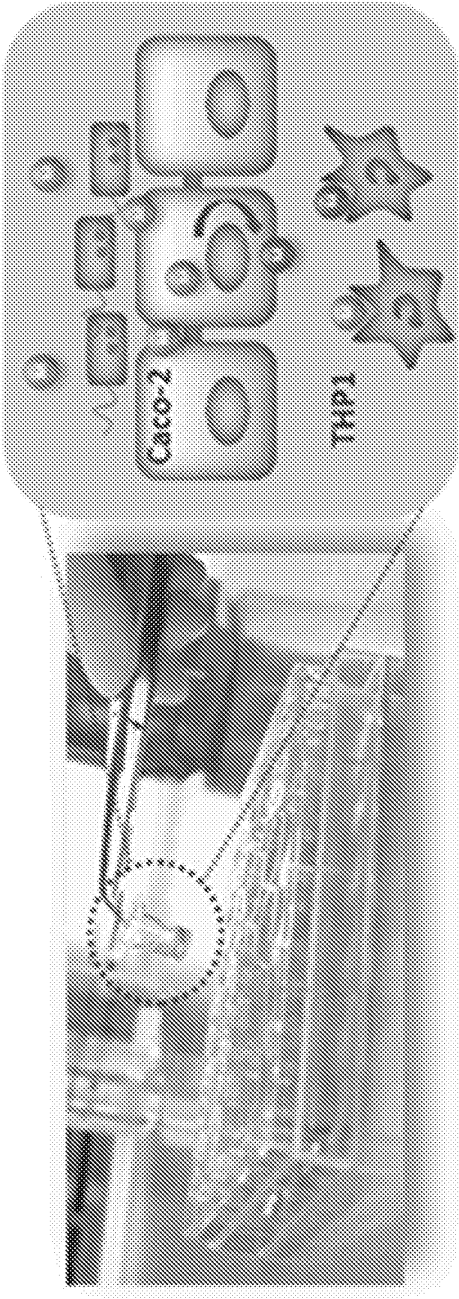


FIG. 14

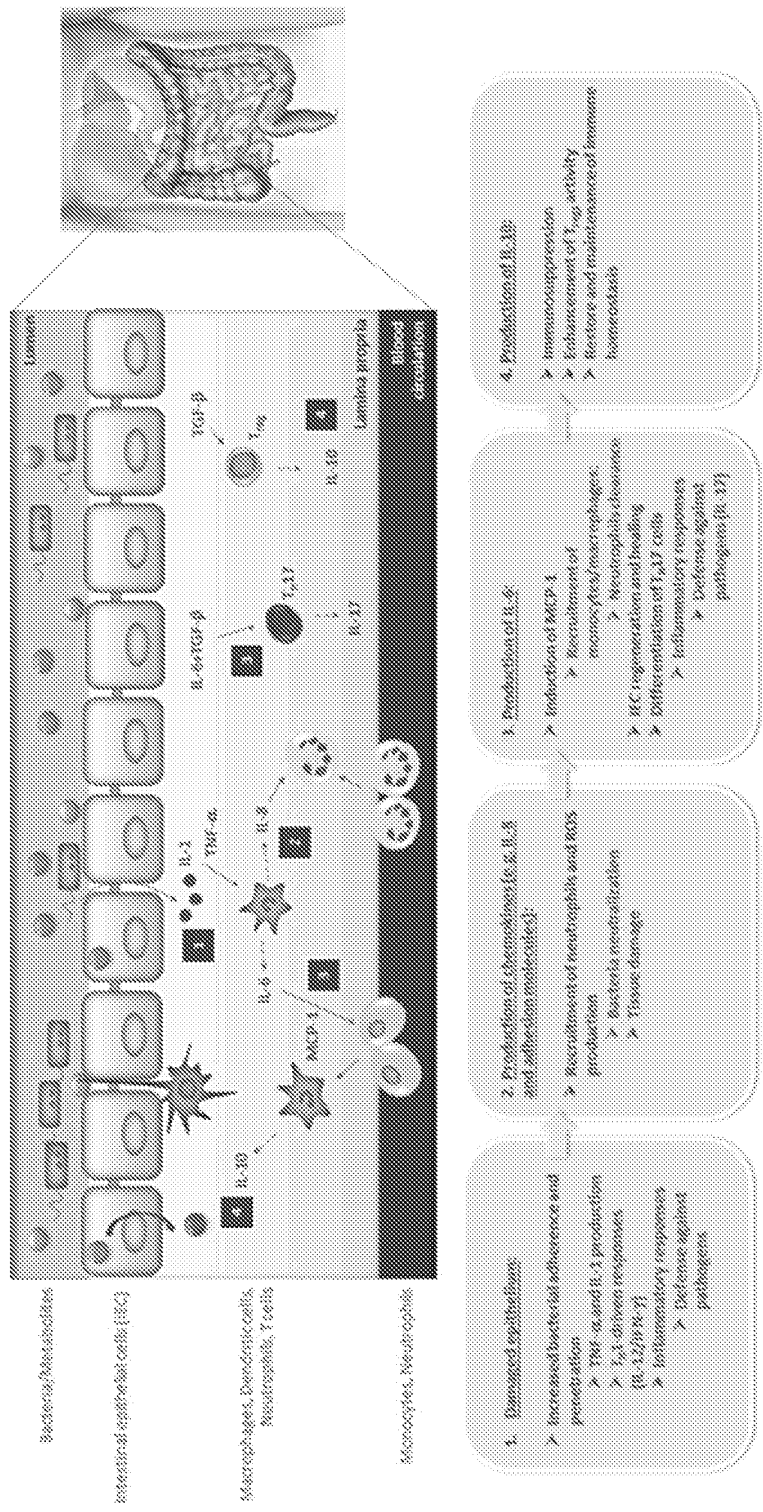


FIG. 15

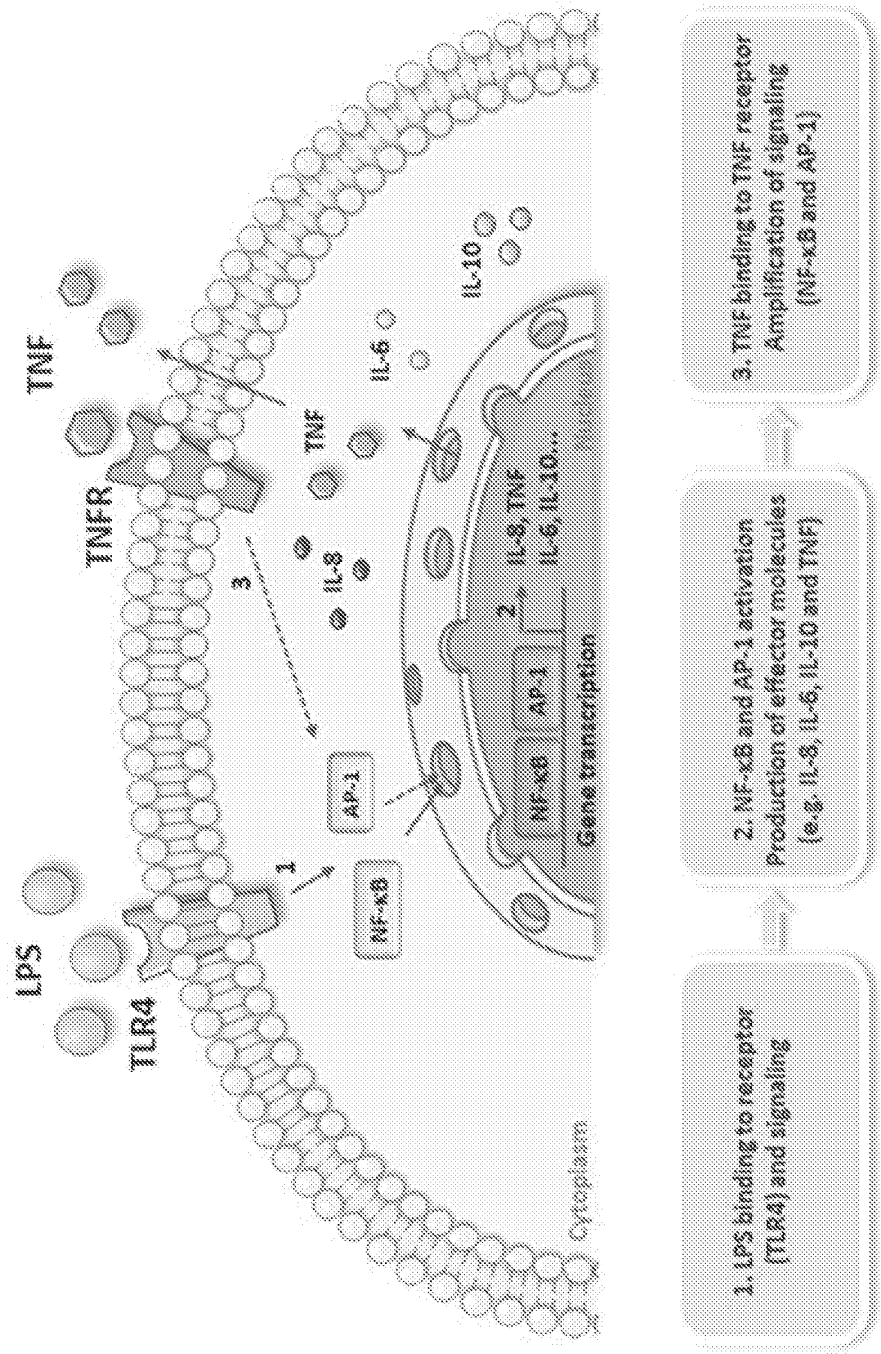


FIG. 16

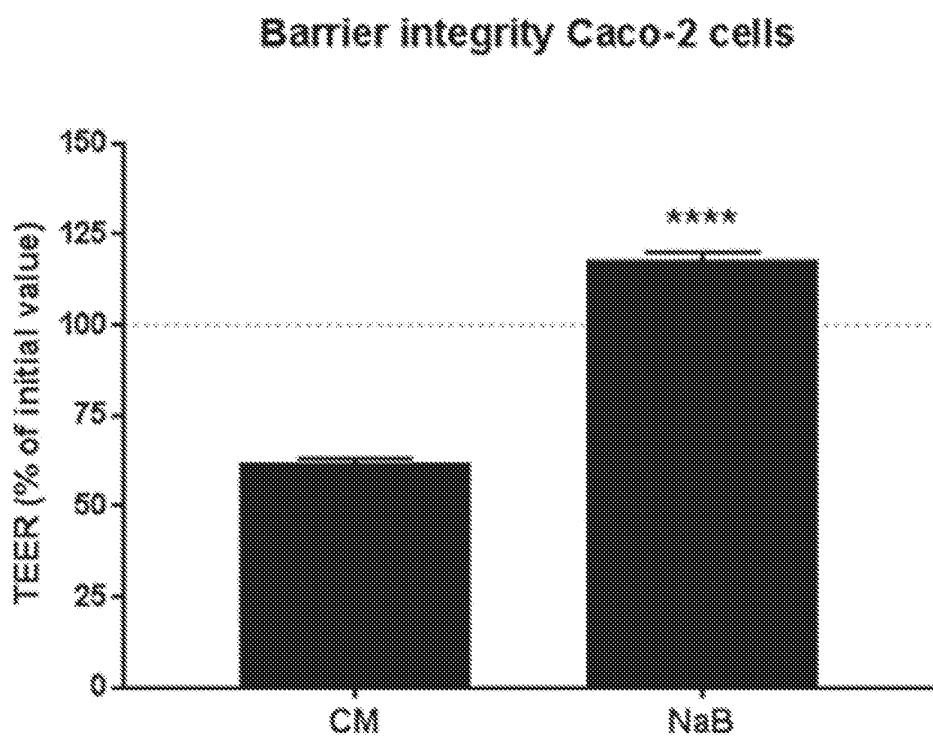


FIG. 17

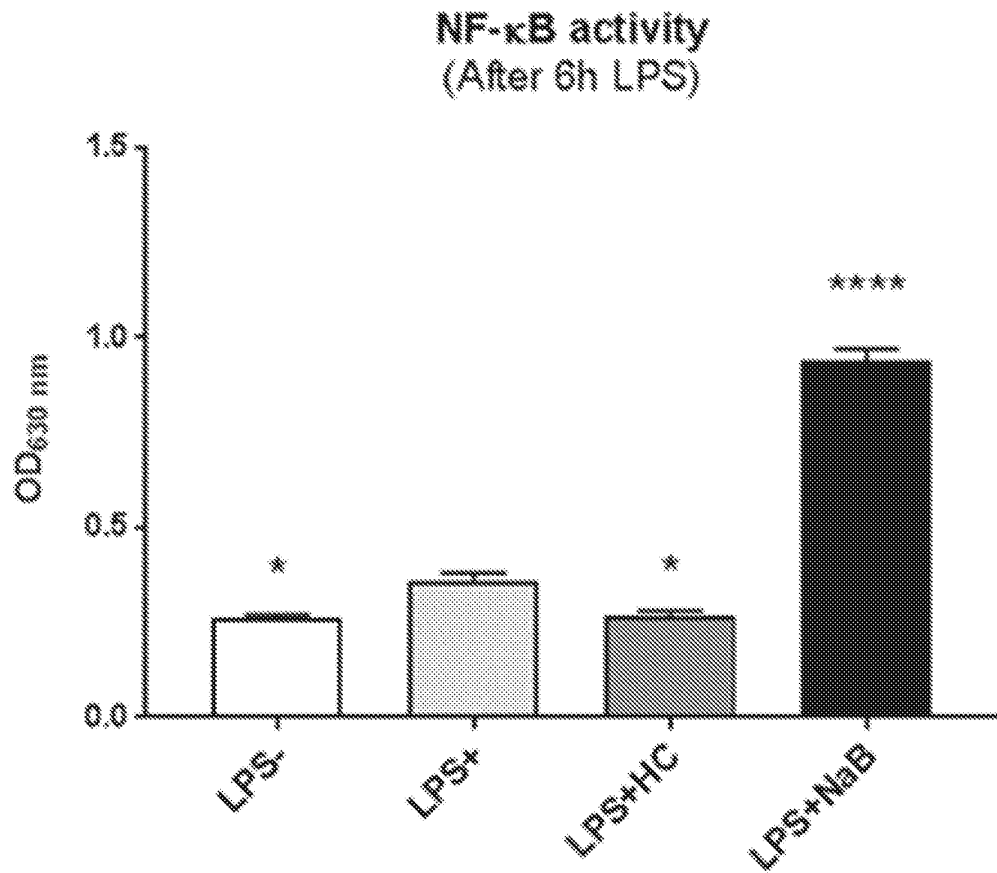


FIG. 18

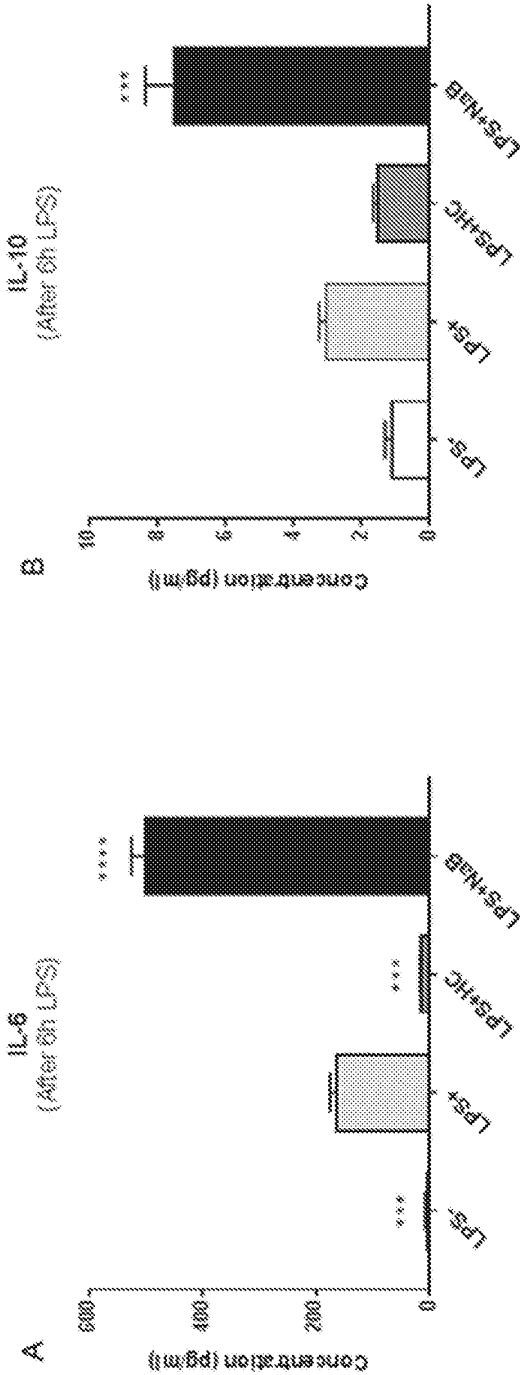


FIG. 19

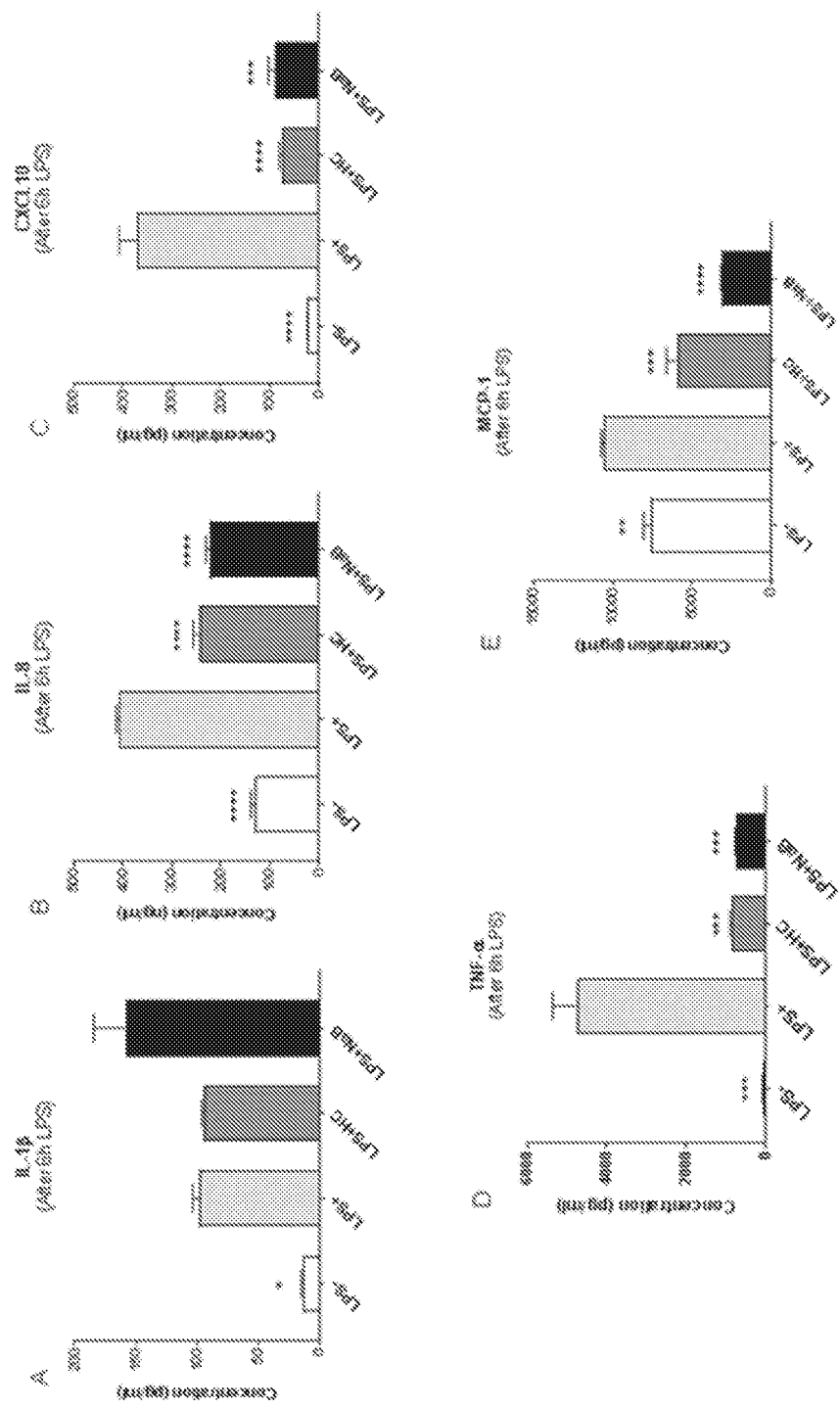


FIG. 20

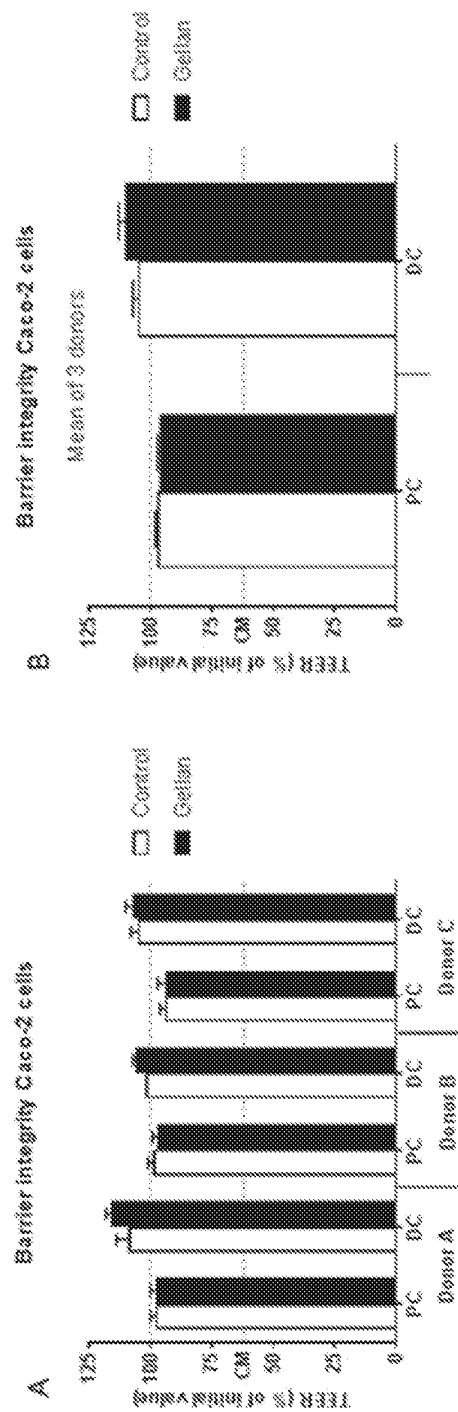


FIG. 21

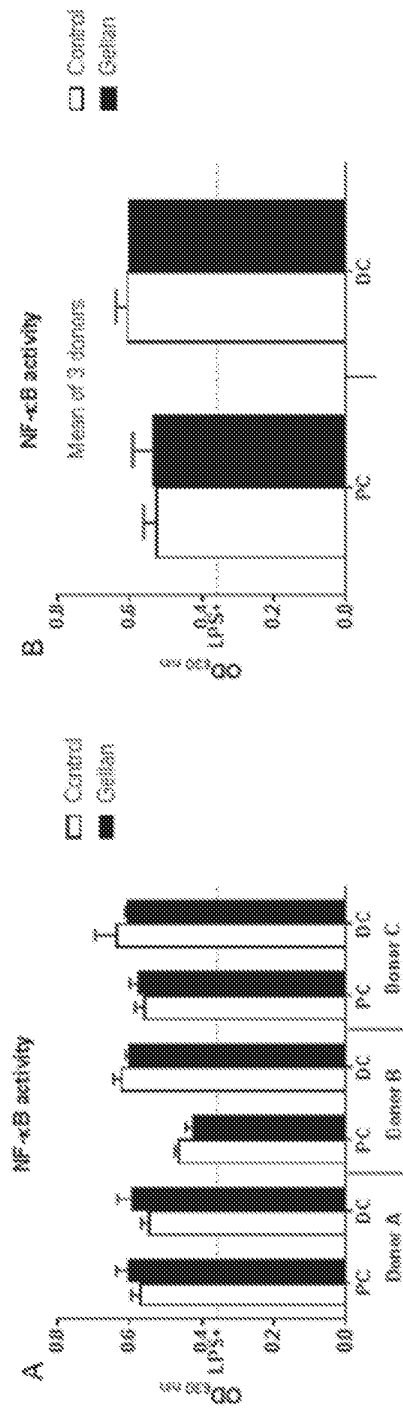


FIG. 22

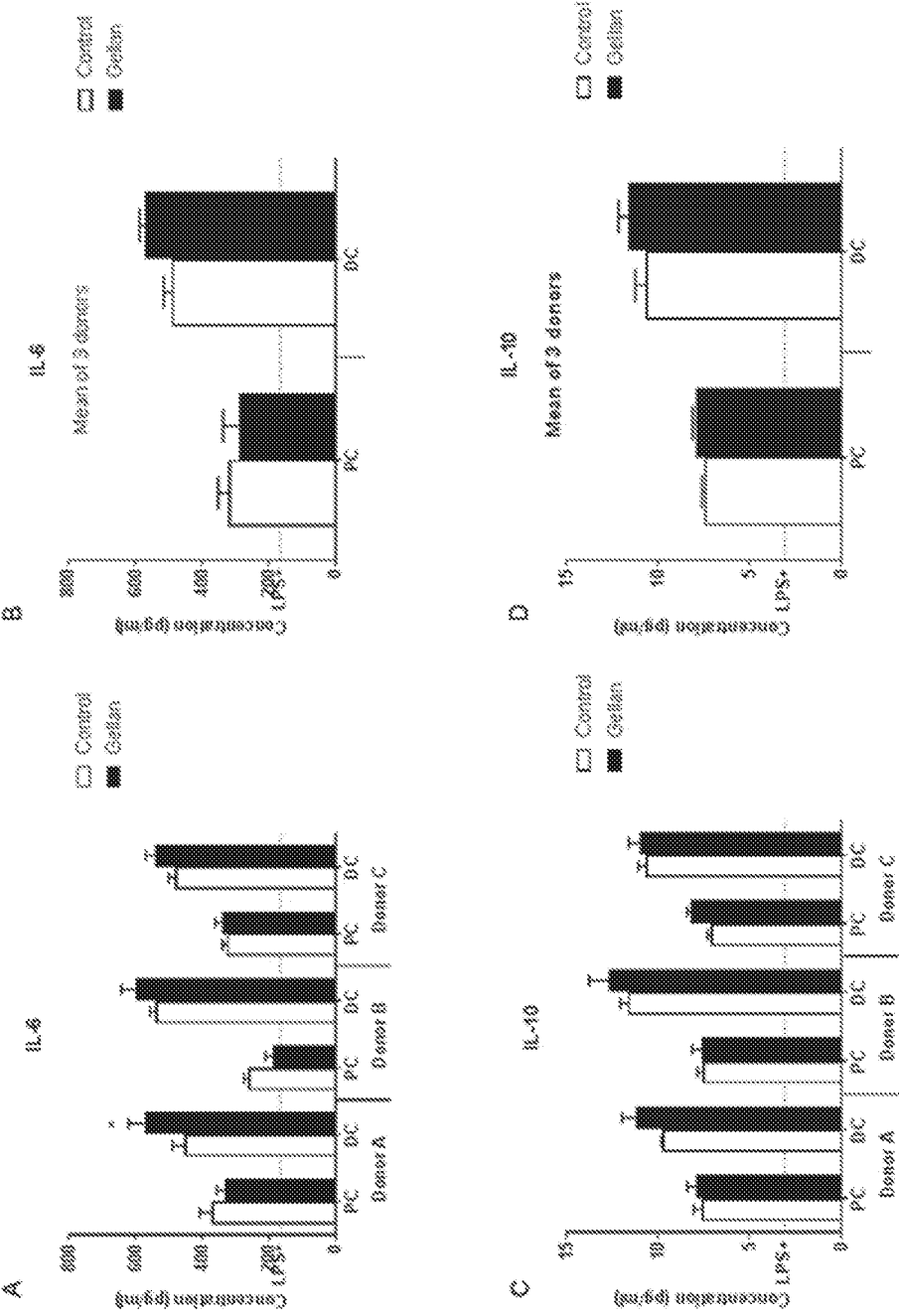


FIG. 23

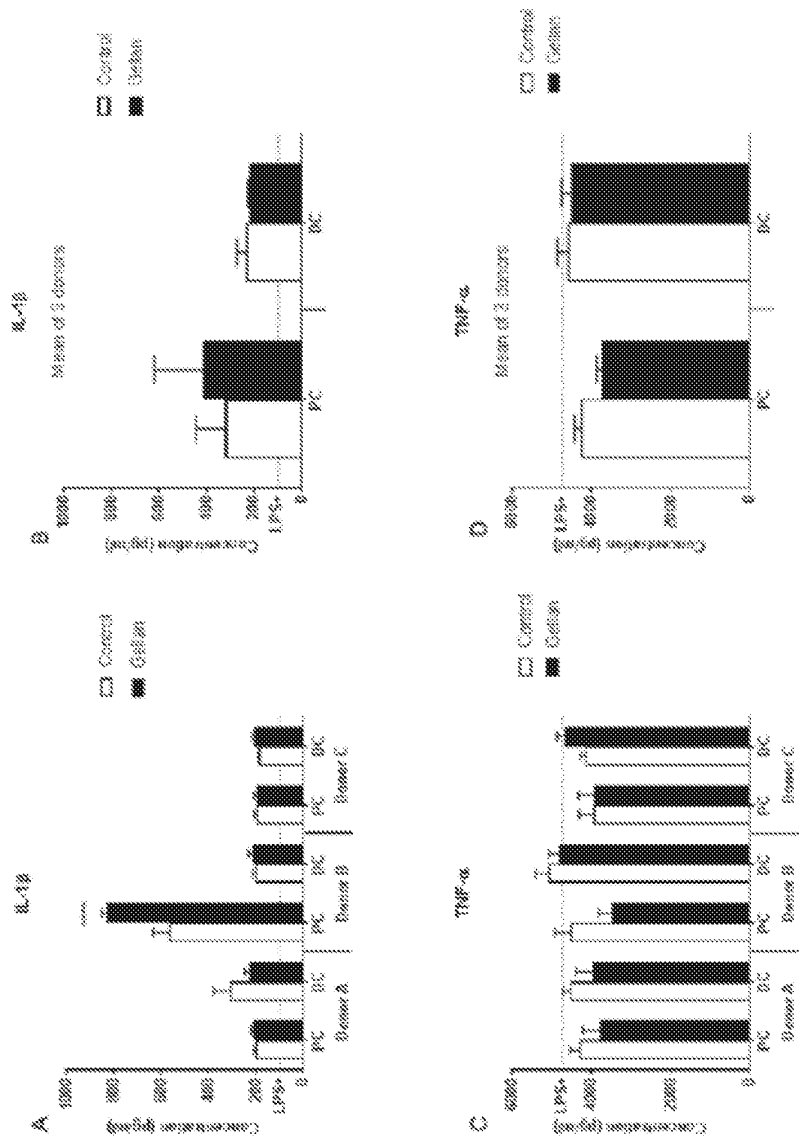


FIG. 24

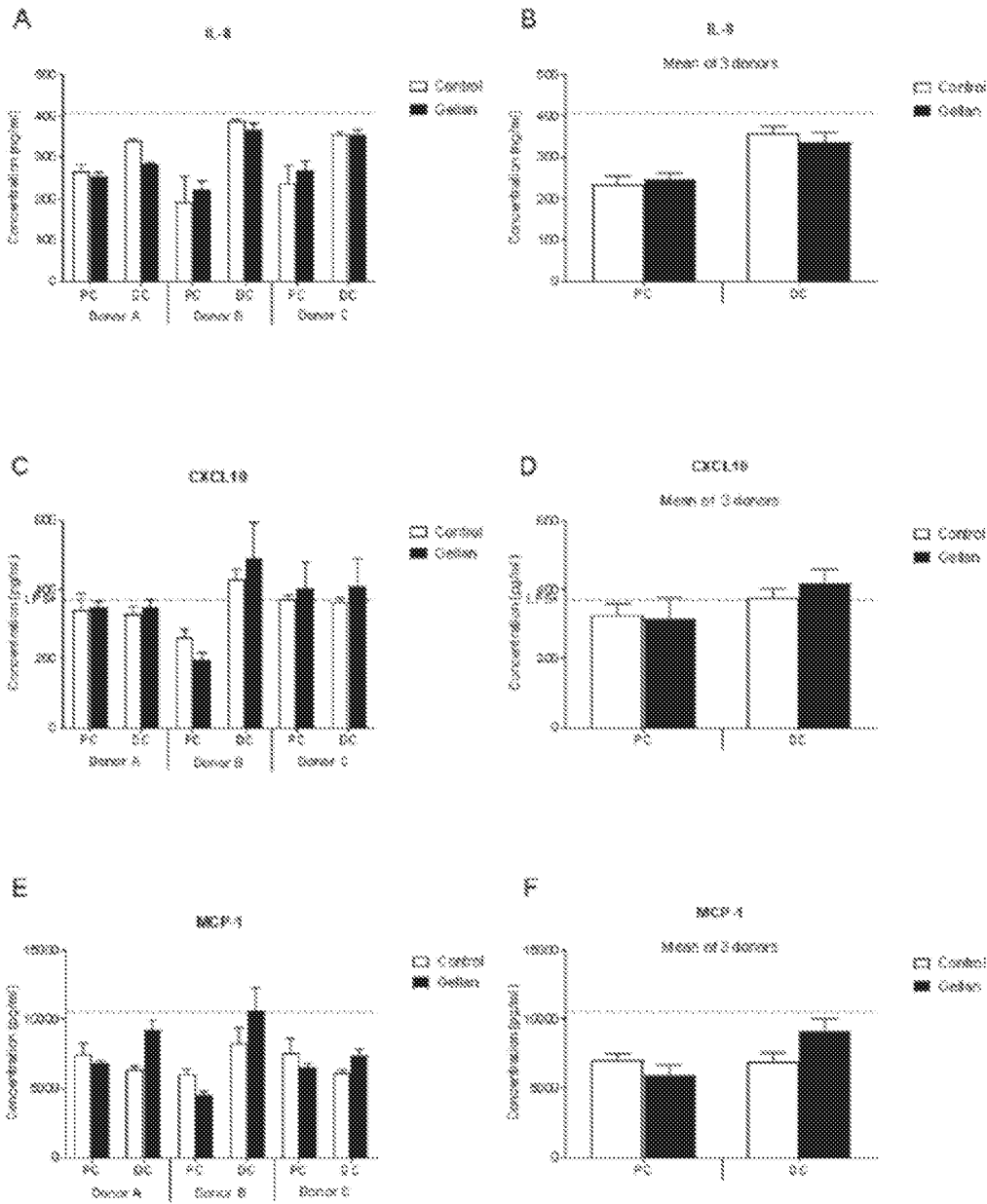


FIG. 25