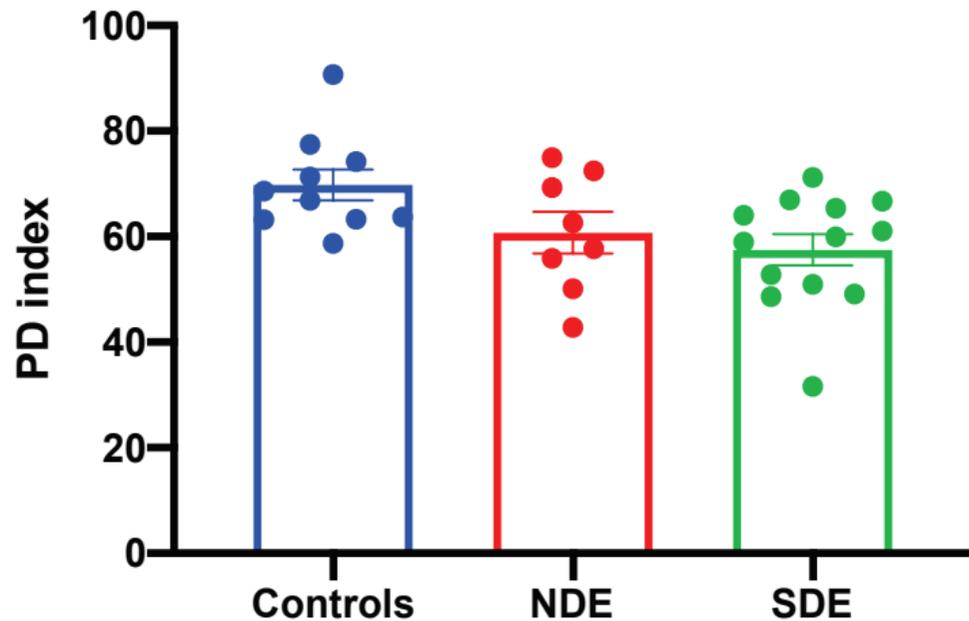


Additional Figure

Figure S1

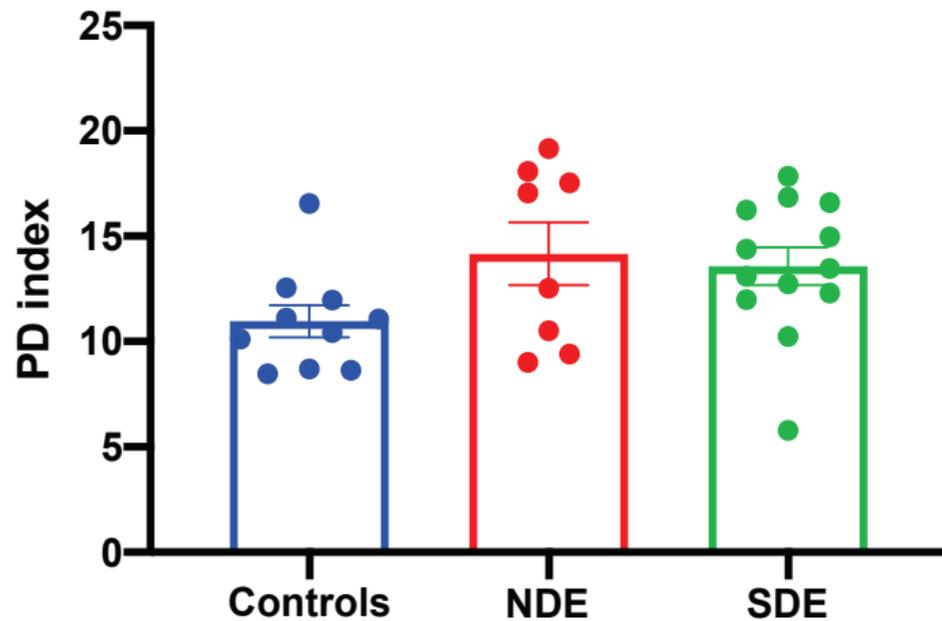
A

Faith's PD (97CI)



B

Faith's PD (99CI)



p=0.0149 (Controls vs. SDE)

Figure S3

Table 1

Cluster 1	Species	Cluster 2	Species	Cluster 3	Species	Cluster 4	Species	Cluster 5	Species	Cluster 6	Species	Cluster 7	Species
Phylum	Actinobacteria	Euryarchaeota	Methanobrevibacterium	Euryarchaeota	Methanomasilloccoccus	Actinobacteria	Raoultibacter	Actinobacteria	Bifidobacterium	Epsilonbacteraeota	Campylobacter	Actinobacteria	Enorma
	Gordonibacter	Actinobacteria	Actinomyces	Actinobacteria	Astopilum	uncultured	uncultured	Bacteroidetes	Bacteroides	Firmicutes	Gemella		uncultured
	uncultured		Bifidobacterium		Enterohabidus	CHK002			uncultured				CHK002
Bacteroidetes	Paraprevotella		uncultured		Paraggethiella				Butyrimonas				
	Prevotella 2	Gordonibacter	Actinobacteria	Slackia	Bacteroidetes	Sanguibacteroides			Odonibacter			Epsilonbacteraeota	Campylobacter
	Prevotella 7	Paraggethiella	Bacteroidetes	Bacteroides	Paraprevotella	Firmicutes	Enterococcus		Vagococcus		Eisenbergiella	Firmicutes	Mogibacterium
	Prevotella 7	Senegalimassilia		Coprobacter	Cyanobacteria		Clostridium sp.		GCA-900066755				(Eubacterium) nodatum group
	Prevotella 9	Bacteroidetes	Odonibacter	Alistipes			Lactococcus		Tyzzerella 3				Sellinomas
	Prevotellaceae NK3531 group		Porphyromonas	Alistipes	Firmicutes	Family XIII UCG-001	Christensenellaceae R-7 group		Tyzzerella 3				Tyzzerella 4
	Alistipes		Prevotella 2	Alistipes		Acetibonasaulum	uncultured		Acetanaerobacterium				Tyzzerella
	gut metagenome	Prevotella 6	Firmicutes	Leuconostoc		Blautia	gut metagenome		Anaerofilum				Foumerella
Firmicutes	Lactobacillus	Prevotella	Catabacter			Lachnospiraceae NK454 group	Butyrivibrio		Phocaea				Faecalicoccus
	Eubacterium	Prevotella		Christensenellaceae R-7 group		Lachnospiraceae UCG-001	Butyrivibrio		Pseudoflavonifractor				Faecalitalea
	Finagoldia		Alistipes			Lachnospiraceae UCG-008	Coprococcus 2		Candidatus Streptifusus			Fusobacteria	Fusobacterium
	Peptoniphilus	Rikenellia		uncultured bacterium		Marvinbryantia	Coprococcus 2		Erysipelatoclostridium			Proteobacteria	Proteus
	Agathobacter	Firmicutes	Christensenellaceae R-7 group	Anaerovorax		[Bacteroides] pectinophilus group	Lachnospiraceae NS3007 group		Faecalitalea				
	Blautia		Christensenellaceae R-7 group	(Eubacterium) brachy group		[Eubacterium] xylanophilum group	Lachnospiraceae UCG-003		Acidaminococcus				
	Howardella		Christensenellaceae R-7 group	Lachnospiraceae UCG-001		uncultured	(Eubacterium) eligens group		Megamonas				
	Lachnospiraceae UCG-010		Christensenellaceae R-7 group	Sellinomas		Ruminiclostridium 6	Terrisporobacter		Vellonella				
	[Ruminococcus] torques group		uncultured	(Eubacterium) faecalitalea group		Ruminiclostridium 9			Peptococcus	Proteobacteria			Succinivibrio
	uncultured		Thermoanaerobacter des bacterium	(Eubacterium) ruminantium group		Ruminococcaceae UCG-013	uncultured		uncultured				
	uncultured		GCA-900066575	Acetanaerobacterium		Ruminococcaceae UCG-005	Ruminococcaceae UCG-005		Ruminococcaceae UCG-008				
	uncultured		Lachnospiraceae FC0209 group	Anaerofilum		Ruminococcaceae UCG-005	(Eubacterium) coprostanoligenes group		Ruminococcaceae UCG-009				
	uncultured		UCS-1-2E3	Hydrogenanaerobacterium		Ruminococcaceae UCG-007	Mercibacter		Ruminococcaceae UCG-010				
	uncultured	[Ruminococcus] gauvreau group		Intestinimonas	Fusobacteria	Leptotrichia			Ruminococcaceae UCG-010				
Anaerotruncus	Peptococcus		Negativibacillus	Proteobacteria	gut metagenome				Subdoligranulum				
Rivonifractor	Peptostreptococcus		Ruminococcaceae UCG-002	Tenericutes	gut metagenome				(Eubacterium) coprostanoligenes group				
Negativibacillus	Anaerotruncus		Ruminococcaceae UCG-007		uncultured				Catenibacterium				
Oscillibacter	CAG-352		Ruminococcaceae UCG-010		uncultured bacterium								
Ruminiclostridium 9	Ruminiclostridium 5		Ruminococcus 1						Phascolarctobacterium				
Ruminococcaceae UCG-004	Ruminococcaceae NK4A214 group								Acospirillum sp. 47_25				
Ruminococcaceae UCG-013	Ruminococcaceae UCG-013								Synergistetes				Pyrarnidobacter
[Eubacterium] coprostanoligenes group	Ruminococcaceae UCG-014	Lentisphaerae	Vitvialis						Tenericutes				uncultured bacterium
uncultured	UBA1819	Proteobacteria											
Holdemania	[Eubacterium] coprostanoligenes group		Sutterella										
Phascolarctobacterium		Synergistetes	Cloacibacillus										
Alisonella	Dielma	Tenericutes	uncultured organism										
Megaspheara	Proteobacteria	Desulfivibrio	Verrucomicrobia	Cerasicoccus									
Proteobacteria	Sutterella	Tenericutes		uncultured									
	Verrucomicrobia	Akkermansia											

