

Table S1. Search strategy performed on 27th October 2021

MEDLINE	Search terms	Results
#1	ibd OR (Inflammatory AND bowel AND disease*) OR (Crohn* AND disease*) OR (ulcerative* AND colitis*)	137,251
#2	microbiota OR (gut AND microbiota) OR microbiome OR (intestinal AND flora)	110,750
#3	(Artificial AND food AND additive*) OR (Artificial AND sweeteners) OR (Polyol*) OR (Acesulfame AND potassium) OR Aspartame OR Saccharin OR Sucralose OR Cyclamate OR Neotame OR Emulsifier* OR (Carboxymethyl AND cellulose) OR (Polysorbate AND 80) OR (Food AND color*)OR (Food AND preservative*) OR (Benzoic AND acid) OR (Sodium AND benzoate) OR (Titanium AND dioxide) OR (Sodium AND nitrite) OR (Food AND additive*)	151,005
#1 AND #2 AND #3		276
WEB OF SCIENCE	Search terms	Results
#1	ibd OR (Inflammatory AND bowel AND disease*) OR (Crohn* AND disease*) OR (ulcerative* AND colitis*)	173,061
#2	microbiota OR (gut AND microbiota) OR microbiome OR (intestinal AND flora)	129,185
#3	(Artificial AND food AND additive*) OR (Artificial AND sweeteners) OR (Polyol*) OR (Acesulfame AND potassium) OR Aspartame OR Saccharin OR Sucralose OR Cyclamate OR Neotame OR Emulsifier* OR (Carboxymethyl AND cellulose) OR (Polysorbate AND 80) OR (Food AND color*)OR (Food AND preservative*) OR (Benzoic AND acid) OR (Sodium AND benzoate) OR (Titanium AND dioxide) OR (Sodium AND nitrite) OR (Food AND additive*)	274,716
#1 AND #2 AND #3		307
SCOPUS	Search terms	Results
#1	ibd OR (Inflammatory AND bowel AND disease*) OR (Crohn* AND disease*) OR (ulcerative* AND colitis*)	168,821
#2	microbiota OR (gut AND microbiota) OR microbiome OR (intestinal AND flora)	126,655
#3	(Artificial AND food AND additive*) OR (Artificial AND sweeteners) OR (Polyol*) OR (Acesulfame AND potassium) OR Aspartame OR Saccharin OR Sucralose OR Cyclamate OR Neotame OR Emulsifier* OR (Carboxymethyl AND cellulose) OR (Polysorbate AND 80) OR (Food AND color*)OR (Food AND preservative*) OR (Benzoic AND acid) OR (Sodium AND benzoate) OR (Titanium AND dioxide) OR (Sodium AND nitrite) OR (Food AND additive*)	435,388
#1 AND #2 AND #3		268