

- 3 "Search: (((("Dietary Fiber"[MeSH Terms]) OR ("Prebiotic"[MeSH Terms]) OR ("Inulin"[Text Word]) OR ("Fructooligosaccharides"[Text Word]) OR ("Starch"[Text Word]) OR ("Chitin-glucan"[Text Word]) OR ("CG"[Text Word]) OR ("Probiotics"[Text Word]) OR ("Synbiotic"[Text Word])) AND (((((((((((((((("Gut permeability"[MeSH Terms]) OR ("Gut permeability"[Text Word]) OR ("Zonulin"[Text Word]) OR ("glucagon-like peptide 2"[Text Word]) OR ("GLP-2"[Text Word]) OR ("Long chain fatty acids"[Text Word]) OR ("LCFA"[Text Word]) OR ("SCFA"[Text Word]) OR ("lipopolysaccharide binding protein"[Text Word]) OR ("LBP"[Text Word]) OR ("Lipopolysaccharide"[Text Word]) OR ("LPS"[Text Word]) OR ("Bile acids"[Text Word]) OR ("BA"[Text Word]) OR ("BA"[Text Word]) OR ("Gut microbiota"[Text Word]) OR ("Firmicutes"[Text Word]) OR ("Bacteroidetes"[Text Word]) OR ("Bifidobacteria"[Text Word]) OR ("Lactobacillus"[Text Word]) OR ("High sensitive C-reactive protein"[Text Word]) OR ("hs-CRP"[Text Word]) OR ("Cytokines"[Text Word]) OR ("Interleukins"[Text Word]) OR ("Calprotectin"[Text Word]) OR ("short-chain fatty acids"[Text Word]))), Clinical Trial,"(("search"[All Fields] OR "searched"[All Fields] OR "searches"[All Fields] OR "searching"[All Fields] OR "searchs"[All Fields]) AND ("Dietary Fiber"[MeSH Terms] OR "Inulin"[Text Word] OR "Fructooligosaccharides"[Text Word] OR "Starch"[Text Word] OR "Chitin-glucan"[Text Word] OR "CG"[Text Word] OR "Probiotics"[Text Word] OR "Synbiotic"[Text Word]) AND ("Gut permeability"[Text Word] OR "Zonulin"[Text Word] OR "glucagon-like peptide 2"[Text Word] OR "GLP-2"[Text Word] OR "Long chain fatty acids"[Text Word] OR "LCFA"[Text Word] OR "SCFA"[Text Word] OR "lipopolysaccharide binding protein"[Text Word] OR "LBP"[Text Word] OR "Lipopolysaccharide"[Text Word] OR "LPS"[Text Word] OR "Bile acids"[Text Word] OR "BA"[Text Word] OR "BA"[Text Word] OR "Gut microbiota"[Text Word] OR "Firmicutes"[Text Word] OR "Bacteroidetes"[Text Word] OR "Bifidobacteria"[Text Word] OR "Lactobacillus"[Text Word] OR "high sensitive c reactive protein"[Text Word] OR "hs-CRP"[Text Word] OR "Cytokines"[Text Word] OR "Interleukins"[Text Word] OR "Calprotectin"[Text Word] OR "short-chain fatty acids"[Text Word])) AND (clinicaltrial[Filter])", 8
- 4 (((((((Dietary Fiber) OR (Prebiotic)) OR (Inulin)) OR (Fructooligosaccharides)) OR (Starch)) OR (Chitin-glucan)) OR (CG)) OR (Probiotics) OR (Synbiotic),, "dietary fibre"[All Fields] OR "dietary fiber"[MeSH Terms] OR "dietary"[All Fields] AND "fiber"[All Fields] OR "dietary fiber"[All Fields] OR "prebiotically"[All Fields] OR "prebiotics"[MeSH Terms] OR "prebiotics"[All Fields] OR "prebiotic"[All Fields] OR "inulin"[MeSH Terms] OR "inulin"[All Fields] OR "inuline"[All Fields] OR "inulins"[All Fields] OR "fructooligosaccharide"[Supplementary Concept] OR "fructooligosaccharide"[All Fields] OR "fructooligosaccharides"[All Fields] OR "starch"[MeSH Terms] OR "starch"[All Fields] OR "starches"[All Fields] OR "Chitin-glucan"[All Fields] OR "comput geosci"[Journal] OR "cg"[All Fields] OR "probiotic s"[All Fields] OR "probiotical"[All Fields] OR "probiotics"[MeSH Terms] OR "probiotics"[All Fields] OR "probiotic"[All Fields] OR "synbiotics"[MeSH Terms] OR "synbiotics"[All Fields] OR "synbiotic"[All Fields])", 226,300
- 5 "((((("dietary fiber"[MeSH Terms]) OR ("prebiotics"[MeSH Terms]) OR ("inulin"[MeSH Terms])) OR ("fructooligosaccharide"[Supplementary Concept]) OR ("starch"[MeSH Terms]) OR ("probiotics"[MeSH Terms]) OR ("synbiotics"[MeSH Terms]) ,, "dietary fiber"[MeSH Terms] OR "prebiotics"[MeSH Terms] OR "inulin"[MeSH Terms] OR "fructooligosaccharide"[Supplementary Concept] OR "starch"[MeSH Terms] OR "probiotics"[MeSH Terms] OR "synbiotics"[MeSH Terms])", 99,030
- 6 (Dietary Fiber[Title/Abstract]) OR (Prebiotic[Title/Abstract]) OR (Inulin[Title/Abstract]) OR (Fructooligosaccharides[Title/Abstract]) OR (Starch[Title/Abstract]) OR (Chitin-glucan[Title/Abstract]) OR (CG[Title/Abstract]) OR (Probiotics[Title/Abstract]) OR (Synbiotic[Title/Abstract]),, "dietary fiber"[Title/Abstract] OR "Prebiotic"[Title/Abstract] OR "Inulin"[Title/Abstract] OR "Fructooligosaccharides"[Title/Abstract] OR "Starch"[Title/Abstract] OR "Chitin-glucan"[Title/Abstract] OR "CG"[Title/Abstract] OR "Probiotics"[Title/Abstract] OR "Synbiotic"[Title/Abstract]", 137,467
- 7 (DietaryFiber[TextWord])OR(Prebiotic[TextWord])OR(Inulin[TextWord])OR(Fructooligosaccharides[Text Word]) OR (Starch[Text Word]) OR (Chitin-glucan[Text Word]) OR (CG[Text Word]) OR (Probiotics[Text Word]) OR (Synbiotic[Text Word]),, "dietary fiber"[Text Word] OR "Prebiotic"[Text Word] OR "Inulin"[Text Word] OR "Fructooligosaccharides"[Text Word] OR "Starch"[Text Word] OR "Chitin-glucan"[Text Word] OR "CG"[Text Word] OR "Probiotics"[Text Word] OR "Synbiotic"[Text Word]", 170,553
- 8 "((Dietary Fiber[Title/Abstract]) OR (Prebiotic[Title/Abstract]) OR (Inulin[Title/Abstract]) OR (Fructooligosaccharides[Title/Abstract]) OR (Starch[Title/Abstract]) OR (Chitin-glucan[Title/Abstract]) OR (CG[Title/Abstract]) OR (Probiotics[Title/Abstract]) OR (Synbiotic[Title/Abstract])) OR (((((((("dietary fiber"[MeSH Terms]) OR ("prebiotics"[MeSH Terms]) OR ("inulin"[MeSH Terms]) OR ("fructooligosaccharide"[Supplementary Concept]) OR ("starch"[MeSH Terms]) OR ("probiotics"[MeSH Terms]) OR ("synbiotics"[MeSH Terms]) ,, "dietary fiber"[Title/Abstract] OR "Prebiotic"[Title/Abstract] OR "Inulin"[Title/Abstract] OR "Fructooligosaccharides"[Title/Abstract] OR "Starch"[Title/Abstract] OR "Chitin-glucan"[Title/Abstract] OR "CG"[Title/Abstract] OR "Probiotics"[Title/Abstract] OR "Synbiotic"[Title/Abstract] OR "dietary fiber"[MeSH Terms] OR "prebiotics"[MeSH Terms] OR "inulin"[MeSH Terms] OR "fructooligosaccharide"[Supplementary Concept] OR "starch"[MeSH Terms] OR "Probiotics"[MeSH Terms] OR "synbiotics"[MeSH Terms])", 186,482

- 9 "((Dietary Fiber[Text Word]) OR (Prebiotic[Text Word]) OR (Inulin[Text Word]) OR (Fructooligosaccharides[Text Word]) OR (Starch[Text Word]) OR (Chitin-glucan[Text Word]) OR (CG[Text Word]) OR (Probiotics[Text Word]) OR (Synbiotic[Text Word])) OR (((((((("dietary fiber"[MeSH Terms]) OR ("prebiotics"[MeSH Terms]) OR ("inulin"[MeSH Terms]) OR ("fructooligosaccharide"[Supplementary Concept]) OR ("starch"[MeSH Terms]) OR ("probiotics"[MeSH Terms]) OR ("synbiotics"[MeSH Terms]))),, "dietary fiber"[Text Word] OR "Prebiotic"[Text Word] OR "Inulin"[Text Word] OR "Fructooligosaccharides"[Text Word] OR "Starch"[Text Word] OR "Chitin-glucan"[Text Word] OR "CG"[Text Word] OR "Probiotics"[Text Word] OR "Synbiotic"[Text Word] OR "dietary fiber"[MeSH Terms] OR "prebiotics"[MeSH Terms] OR "Inulin"[MeSH Terms] OR "fructooligosaccharide"[Supplementary Concept] OR "Starch"[MeSH Terms] OR "Probiotics"[MeSH Terms] OR "synbiotics"[MeSH Terms]),, 189,234
- 10 "((((((((((((((((("Gut permeability"[MeSH Terms] OR (Zonulin) OR (glucagon-like peptide 2) OR (GLP-2) OR (Long chain -fatty acids) OR (short-chain fatty acids) OR (LCFA) OR (SCFA) OR (lipopolysaccharide binding protein) OR (LBP) OR (Lipopolysaccharide) OR (LPS) OR (Bile acids) OR (BA) OR (Gut microbiota) OR (Firmicutes) OR (Bacteroidetes) OR (Bifidobacteria) OR (Lactobacillus) OR (High sensitive C - reactive protein) OR (hs-CRP) OR (Cytokines) OR (Interleukins) OR (Calprotectin)) ,,, "Gut permeability"[All Fields] OR ("zonulin"[Supplementary Concept] OR "zonulin"[All Fields]) OR ("glucagon like peptide 2"[MeSH Terms] OR "glucagon like peptide 2"[All Fields]) OR ("glucagon like peptide 2"[All Fields] OR ("glp 2"[All Fields]) OR ("Long"[All Fields] AND ("chain"[All Fields] OR "chain s"[All Fields] OR "chains"[All Fields]) AND ("fatty acids"[MeSH Terms] OR ("fatty"[All Fields] AND "acids"[All Fields]) OR "fatty acids"[All Fields]) OR ("fatty acids, volatile"[MeSH Terms] OR ("fatty"[All Fields] AND "acids"[All Fields] AND "volatile"[All Fields]) OR "volatile fatty acids"[All Fields] OR ("short"[All Fields] AND "chain"[All Fields] AND "fatty"[All Fields] AND "acids"[All Fields]) OR "short chain fatty acids"[All Fields]) OR "LCFA"[All Fields] OR "SCFA"[All Fields] OR ("lipopolysaccharide binding protein"[Supplementary Concept] OR "lipopolysaccharide binding protein"[All Fields] OR "lipopolysaccharide binding protein"[All Fields] OR "LBP"[All Fields] OR ("lipopolysaccharid"[All Fields] OR "lipopolysaccharides"[MeSH Terms] OR "lipopolysaccharides"[All Fields] OR "lipopolysaccharide"[All Fields] OR "lipopolysaccharidic"[All Fields]) OR ("leadership policy sch"[Journal] OR "ips"[All Fields]) OR ("bile acids and salts"[MeSH Terms] OR ("bile"[All Fields] AND "acids"[All Fields] AND "salts"[All Fields]) OR "bile acids and salts"[All Fields] OR ("bile"[All Fields] AND "acids"[All Fields]) OR "bile acids"[All Fields] OR "BA"[All Fields] OR ("gastrointestinal microbiome"[MeSH Terms] OR "gastrointestinal"[All Fields] AND "microbiome"[All Fields]) OR "gastrointestinal microbiome"[All Fields] OR ("gut"[All Fields] AND "microbiota"[All Fields]) OR "gut microbiota"[All Fields] OR ("firmicute"[All Fields] OR "firmicutes"[MeSH Terms] OR "firmicutes"[All Fields]) OR ("bacteroidete"[All Fields] OR "bacteroidetes"[MeSH Terms] OR "bacteroidetes"[All Fields]) OR "Bifidobacteria"[All Fields] OR ("lactobacillus"[MeSH Terms] OR "lactobacillus"[All Fields] OR "High"[All Fields] AND "sensitive"[All Fields] OR "sensitively"[All Fields] OR "sensitives"[All Fields] OR "sensitivities"[All Fields] OR "sensitivity and specificity"[MeSH Terms] OR ("sensitivity"[All Fields] AND "specificity"[All Fields]) OR "sensitivity and specificity"[All Fields] OR "sensitivity"[All Fields] AND "c reactive protein"[MeSH Terms] OR ("c reactive"[All Fields] AND "protein"[All Fields]) OR "c reactive protein"[All Fields] OR "c reactive protein"[All Fields]) OR ("c reactive protein"[MeSH Terms] OR ("c reactive"[All Fields] AND "protein"[All Fields]) OR "c reactive protein"[All Fields] OR ("hs"[All Fields] AND "crp"[All Fields]) OR "hs crp"[All Fields] OR ("cytokin"[All Fields] OR "cytokine s"[All Fields] OR "cytokines"[MeSH Terms] OR "cytokines"[All Fields] OR "cytokine"[All Fields] OR "cytokinic"[All Fields] OR "cytokins"[All Fields]) OR ("interleukine"[All Fields] OR "interleukines"[All Fields] OR "interleukins"[MeSH Terms] OR "interleukins"[All Fields] OR "interleukin"[All Fields] OR ("calprotectine"[All Fields] OR "leukocyte 11 antigen complex"[MeSH Terms] OR ("leukocyte"[All Fields] AND "11"[All Fields] AND "antigen"[All Fields] AND "complex"[All Fields]) OR "leukocyte 11 antigen complex"[All Fields] OR "calprotectin"[All Fields]),, 2,005,340
- 11 "((("Gut permeability"[Title/Abstract] OR (Zonulin[Title/Abstract] OR (glucagon-like peptide 2[Title/Abstract] OR (GLP-2[Title/Abstract] OR (Long chain -fatty acids[Title/Abstract] OR (short-chain fatty acids[Title/Abstract] OR (LCFA[Title/Abstract] OR (SCFA[Title/Abstract] OR (lipopolysaccharide binding protein[Title/Abstract] OR (LBP[Title/Abstract] OR (Lipopolysaccharide[Title/Abstract] OR (LPS[Title/Abstract] OR (Bile acids[Title/Abstract] OR (BA[Title/Abstract] OR (Gut microbiota[Title/Abstract] OR (Firmicutes[Title/Abstract] OR (Bacteroidetes[Title/Abstract] OR (Bifidobacteria[Title/Abstract] OR (Lactobacillus[Title/Abstract] OR (High sensitive C - reactive protein[Title/Abstract] OR (hs-CRP[Title/Abstract] OR (Cytokines[Title/Abstract] OR (Interleukins[Title/Abstract] OR (Calprotectin[Title/Abstract])) ,,, "Gut permeability"[Title/Abstract] OR "Zonulin"[Title/Abstract] OR "glucagon like peptide 2"[Title/Abstract] OR "GLP-2"[Title/Abstract] OR "long chain fatty acids"[Title/Abstract] OR "short chain fatty acids"[Title/Abstract] OR "LCFA"[Title/Abstract] OR "SCFA"[Title/Abstract] OR "lipopolysaccharide binding protein"[Title/Abstract] OR "LBP"[Title/Abstract] OR "Lipopolysaccharide"[Title/Abstract] OR "LPS"[Title/Abstract] OR "bile acids"[Title/Abstract] OR "BA"[Title/Abstract] OR "gut microbiota"[Title/Abstract] OR "Firmicutes"[Title/Abstract] OR "Bacteroidetes"[Title/Abstract] OR "Bifidobacteria"[Title/Abstract] OR "Lactobacillus"[Title/Abstract] OR "high sensitive c reactive protein"[Title/Abstract] OR "hs-CRP"[Title/Abstract] OR "Cytokines"[Title/Abstract] OR "Interleukins"[Title/Abstract] OR "Calprotectin"[Title/Abstract]),, 611,885

- 12 ("Gut permeability"[Text Word]) OR (Zonulin[Text Word]) OR (glucagon-like peptide 2[Text Word]) OR (GLP-2[Text Word]) OR (Long chain -fatty acids[Text Word]) OR (short-chain fatty acids[Text Word]) OR (LCFA[Text Word]) OR (SCFA[Text Word]) OR (lipopolysaccharide binding protein[Text Word]) OR (LBP[Text Word]) OR (Lipopolysaccharide[Text Word]) OR (LPS[Text Word]) OR (Bile acids[Text Word]) OR (BA[Text Word]) OR (Gut microbiota[Text Word]) OR (Firmicutes[Text Word]) OR (Bacteroidetes[Text Word]) OR (Bifidobacteria[Text Word]) OR (Lactobacillus[Text Word]) OR (High sensitive C - reactive protein[Text Word]) OR (hs-CRP[Text Word]) OR (Cytokines[Text Word]) OR (Interleukins[Text Word]) OR (Calprotectin[Text Word]) ,,, "Gut permeability"[Text Word] OR "Zonulin"[Text Word] OR "glucagon like peptide 2"[Text Word] OR "GLP-2"[Text Word] OR "long chain fatty acids"[Text Word] OR "short chain fatty acids"[Text Word] OR "LCFA"[Text Word] OR "SCFA"[Text Word] OR "lipopolysaccharide binding protein"[Text Word] OR "LBP"[Text Word] OR "Lipopolysaccharide"[Text Word] OR "LPS"[Text Word] OR "bile acids"[Text Word] OR "BA"[Text Word] OR "gut microbiota"[Text Word] OR "Firmicutes"[Text Word] OR "Bacteroidetes"[Text Word] OR "Bifidobacteria"[Text Word] OR "Lactobacillus"[Text Word] OR "high sensitive c reactive protein"[Text Word] OR "hs-CRP"[Text Word] OR "Cytokines"[Text Word] OR "Interleukins"[Text Word] OR "Calprotectin"[Text Word]", 719,334
- 13 "zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR "lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms] OR "firmicutes"[MeSH Terms] OR "bacteroidetes"[MeSH Terms] OR "lactobacillus"[MeSH Terms] OR "c-reactive protein"[MeSH Terms] OR "cytokines"[MeSH Terms] OR "interleukins"[MeSH Terms] ,,, "zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR "lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms] OR "firmicutes"[MeSH Terms] OR "bacteroidetes"[MeSH Terms] OR "lactobacillus"[MeSH Terms] OR "c-reactive protein"[MeSH Terms] OR "cytokines"[MeSH Terms] OR "interleukins"[MeSH Terms]", 1,378,717
- 14 ("zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR "lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms] OR "firmicutes"[MeSH Terms] OR "bacteroidetes"[MeSH Terms] OR "lactobacillus"[MeSH Terms] OR "c-reactive protein"[MeSH Terms] OR "cytokines"[MeSH Terms] OR "interleukins"[MeSH Terms]) OR ("Gut permeability"[Text Word]) OR (Zonulin[Text Word]) OR (glucagon-like peptide 2[Text Word]) OR (GLP-2[Text Word]) OR (Long chain -fatty acids[Text Word]) OR (short-chain fatty acids[Text Word]) OR (LCFA[Text Word]) OR (SCFA[Text Word]) OR (lipopolysaccharide binding protein[Text Word]) OR (LBP[Text Word]) OR (Lipopolysaccharide[Text Word]) OR (LPS[Text Word]) OR (Bile acids[Text Word]) OR (BA[Text Word]) OR (Gut microbiota[Text Word]) OR (Firmicutes[Text Word]) OR (Bacteroidetes[Text Word]) OR (Bifidobacteria[Text Word]) OR (Lactobacillus[Text Word]) OR (High sensitive C - reactive protein[Text Word]) OR (hs-CRP[Text Word]) OR (Cytokines[Text Word]) OR (Interleukins[Text Word]) OR (Calprotectin[Text Word]) ,,, "Zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR "lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms] OR "Firmicutes"[MeSH Terms] OR "Bacteroidetes"[MeSH Terms] OR "Lactobacillus"[MeSH Terms] OR "c-reactive protein"[MeSH Terms] OR "Cytokines"[MeSH Terms] OR "Interleukins"[MeSH Terms] OR "Gut permeability"[Text Word] OR "Zonulin"[Text Word] OR "glucagon-like peptide 2"[Text Word] OR "GLP-2"[Text Word] OR "long chain fatty acids"[Text Word] OR "short chain fatty acids"[Text Word] OR "LCFA"[Text Word] OR "SCFA"[Text Word] OR "lipopolysaccharide-binding protein"[Text Word] OR "LBP"[Text Word] OR "Lipopolysaccharide"[Text Word] OR "LPS"[Text Word] OR "bile acids"[Text Word] OR "BA"[Text Word] OR "gut microbiota"[Text Word] OR "Firmicutes"[Text Word] OR "Bacteroidetes"[Text Word] OR "Bifidobacteria"[Text Word] OR "Lactobacillus"[Text Word] OR "high sensitive c reactive protein"[Text Word] OR "hs-CRP"[Text Word] OR "Cytokines"[Text Word] OR "Interleukins"[Text Word] OR "Calprotectin"[Text Word]", 1,652,406

- 15 ("("zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR 1,649,905
"lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH
Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms]
OR "firmicutes"[MeSH Terms] OR "bacteroidetes"[MeSH Terms] OR "lactobacillus"[MeSH
Terms] OR "c-reactive protein"[MeSH Terms] OR "cytokines"[MeSH Terms] OR
"interleukins"[MeSH Terms] OR ("Gut permeability"[Title/Abstract] OR (Zonulin[Title/
Abstract] OR (glucagon-like peptide 2[Title/Abstract] OR (GLP-2[Title/Abstract] OR (Long chain
-fatty acids[Title/Abstract] OR (short-chain fatty acids[Title/Abstract] OR (LCFA[Title/Abstract]
OR (SCFA[Title/Abstract] OR (lipopolysaccharide binding protein[Title/Abstract] OR (LBP[Title/
Abstract] OR (Lipopolysaccharide[Title/Abstract] OR (LPS[Title/Abstract] OR (Bile acids[Title/
Abstract] OR (BA[Title/Abstract] OR (Gut microbiota[Title/Abstract] OR (Firmicutes[Title/Abstract]
OR (Bacteroidetes[Title/Abstract] OR (Bifidobacteria[Title/Abstract] OR (Lactobacillus[Title/Abstract]
OR (High sensitive C - reactive protein[Title/Abstract] OR (hs-CRP[Title/Abstract] OR (Cytokines[Title/
Abstract] OR (Interleukins[Title/Abstract] OR (Calprotectin[Title/Abstract]))), "Zonulin"[Supple
mentary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR "lipopolysaccharide-binding
protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH Terms] OR "bile acids and
salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms] OR "Firmicutes"[MeSH
Terms] OR "Bacteroidetes"[MeSH Terms] OR "Lactobacillus"[MeSH Terms] OR "c-reactive
protein"[MeSH Terms] OR "Cytokines"[MeSH Terms] OR "Interleukins"[MeSH Terms] OR
"Gut permeability"[Title/Abstract] OR "Zonulin"[Title/Abstract] OR "glucagon-like peptide
2"[Title/Abstract] OR "GLP-2"[Title/Abstract] OR "long chain fatty acids"[Title/Abstract] OR
"short chain fatty acids"[Title/Abstract] OR "LCFA"[Title/Abstract] OR "SCFA"[Title/Abstract]
OR "lipopolysaccharide-binding protein"[Title/Abstract] OR "LBP"[Title/Abstract] OR "Lipo
polysaccharide"[Title/Abstract] OR "LPS"[Title/Abstract] OR "bile acids"[Title/Abstract] OR
"BA"[Title/Abstract] OR "gut microbiota"[Title/Abstract] OR "Firmicutes"[Title/Abstract] OR
"Bacteroidetes"[Title/Abstract] OR "Bifidobacteria"[Title/Abstract] OR "Lactobacillus"[Title/
Abstract] OR "high sensitive c reactive protein"[Title/Abstract] OR "hs-CRP"[Title/Abstract]
OR "Cytokines"[Title/Abstract] OR "Interleukins"[Title/Abstract] OR "Calprotectin"[Title/
Abstract])",
16 ("(("zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR 42,061
"lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH
Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms]
OR "firmicutes"[MeSH Terms] OR "bacteroidetes"[MeSH Terms] OR "lactobacillus"[MeSH
Terms] OR "c-reactive protein"[MeSH Terms] OR "cytokines"[MeSH Terms] OR
"interleukins"[MeSH Terms] OR ("Gut permeability"[Text Word] OR (Zonulin[Text Word]
OR (glucagon-like peptide 2[Text Word] OR (GLP-2[Text Word] OR (Long chain -fatty acids[Text
Word] OR (short-chain fatty acids[Text Word] OR (LCFA[Text Word] OR (SCFA[Text Word] OR
(lipopolysaccharide binding protein[Text Word] OR (LBP[Text Word] OR (Lipopolysaccharide[Text
Word] OR (LPS[Text Word] OR (Bile acids[Text Word] OR (BA[Text Word] OR (Gut microbiota[Text
Word] OR (Firmicutes[Text Word] OR (Bacteroidetes[Text Word] OR (Bifidobacteria[Text Word] OR
(Lactobacillus[Text Word] OR (High sensitive C - reactive protein[Text Word] OR (hs-CRP[Text Word]
OR (Cytokines[Text Word] OR (Interleukins[Text Word] OR (Calprotectin[Text Word])) AND ((Dietary
Fiber[Text Word] OR (Prebiotic[Text Word] OR (Inulin[Text Word] OR (Fructooligosaccharides[Text
Word] OR (Starch[Text Word] OR (Chitin-glucan[Text Word] OR (CG[Text Word] OR (Probiotics[Text
Word] OR (Synbiotic[Text Word])) OR (((("dietary fiber"[MeSH Terms] OR ("prebiotics"[MeSH
Terms])) OR ("inulin"[MeSH Terms])) OR ("fructooligosaccharide"[Supplementary Concept]))
OR ("starch"[MeSH Terms])) OR ("probiotics"[MeSH Terms])) OR ("synbiotics"[MeSH Ter
ms]))), "Zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR
"lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH
Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms]
OR "Firmicutes"[MeSH Terms] OR "Bacteroidetes"[MeSH Terms] OR "Lactobacillus"[MeSH
Terms] OR "c-reactive protein"[MeSH Terms] OR "Cytokines"[MeSH Terms] OR
"Interleukins"[MeSH Terms] OR ("Gut permeability"[Text Word] OR "Zonulin"[Text
Word] OR "glucagon-like peptide 2"[Text Word] OR "GLP-2"[Text Word] OR "long chain
fatty acids"[Text Word] OR "short chain fatty acids"[Text Word] OR "LCFA"[Text Word] OR
"SCFA"[Text Word] OR "lipopolysaccharide-binding protein"[Text Word] OR "LBP"[Text
Word] OR "Lipopolysaccharide"[Text Word] OR "LPS"[Text Word] OR "bile acids"[Text
Word] OR "BA"[Text Word] OR "gut microbiota"[Text Word] OR "Firmicutes"[Text Word]
OR "Bacteroidetes"[Text Word] OR "Bifidobacteria"[Text Word] OR "Lactobacillus"[Text
Word] OR "high sensitive c reactive protein"[Text Word] OR "hs-CRP"[Text Word] OR
"Cytokines"[Text Word] OR "Interleukins"[Text Word] OR "Calprotectin"[Text Word]) AND
("dietary fiber"[Text Word] OR "Prebiotic"[Text Word] OR "Inulin"[Text Word] OR "Fruc
tooligosaccharides"[Text Word] OR "Starch"[Text Word] OR "Chitin-glucan"[Text Word] OR
"CG"[Text Word] OR "Probiotics"[Text Word] OR "Synbiotic"[Text Word] OR ("dietary
fiber"[MeSH Terms] OR "prebiotics"[MeSH Terms] OR "Inulin"[MeSH Terms] OR "fructoo
ligosaccharide"[Supplementary Concept] OR "Starch"[MeSH Terms] OR "Probiotics"[MeSH
Terms] OR "synbiotics"[MeSH Terms]))

- 17 ("("zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR 3,746
 "lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH
 Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms]
 OR "firmicutes"[MeSH Terms] OR "bacteroidetes"[MeSH Terms] OR "lactobacillus"[MeSH
 Terms] OR "c-reactive protein"[MeSH Terms] OR "cytokines"[MeSH Terms] OR
 "interleukins"[MeSH Terms]) OR ("Gut permeability"[Text Word]) OR (Zonulin[Text Word])
 OR (glucagon-like peptide 2[Text Word]) OR (GLP-2[Text Word]) OR (Long chain -fatty acids[Text
 Word]) OR (short-chain fatty acids[Text Word]) OR (LCFA[Text Word]) OR (SCFA[Text Word]) OR
 (lipopolysaccharide binding protein[Text Word]) OR (LBP[Text Word]) OR (Lipopolysaccharide[Text
 Word]) OR (LPS[Text Word]) OR (Bile acids[Text Word]) OR (BA[Text Word]) OR (Gut microbiota[Text
 Word]) OR (Firmicutes[Text Word]) OR (Bacteroidetes[Text Word]) OR (Bifidobacteria[Text Word]) OR
 (Lactobacillus[Text Word]) OR (High sensitive C - reactive protein[Text Word]) OR (hs-CRP[Text Word])
 OR (Cytokines[Text Word]) OR (Interleukins[Text Word]) OR (Calprotectin[Text Word])) AND (((Dietary
 Fiber[Text Word]) OR (Prebiotic[Text Word]) OR (Inulin[Text Word]) OR (Fructooligosaccharides[Text
 Word]) OR (Starch[Text Word]) OR (Chitin-glucan[Text Word]) OR (CG[Text Word]) OR (Probiotics[Text
 Word]) OR (Synbiotic[Text Word]) OR (((("dietary fiber"[MeSH Terms] OR "prebiotics"[MeSH
 Terms]) OR ("inulin"[MeSH Terms]) OR ("fructooligosaccharide"[Supplementary Concept])
 OR ("starch"[MeSH Terms]) OR ("probiotics"[MeSH Terms]) OR ("synbiotics"[MeSH
 Terms]))), Clinical Trial, ("Zonulin"[Supplementary Concept] OR "glucagon-like peptide
 2"[MeSH Terms] OR "lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipo
 polysaccharides"[MeSH Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal
 microbiome"[MeSH Terms] OR "Firmicutes"[MeSH Terms] OR "Bacteroidetes"[MeSH
 Terms] OR "Lactobacillus"[MeSH Terms] OR "c-reactive protein"[MeSH Terms] OR
 "Cytokines"[MeSH Terms] OR "Interleukins"[MeSH Terms] OR ("Gut permeability"[Text
 Word] OR "Zonulin"[Text Word] OR "glucagon-like peptide 2"[Text Word] OR "GLP-2"[Text
 Word] OR "long chain fatty acids"[Text Word] OR "short chain fatty acids"[Text Word] OR
 "LCFA"[Text Word] OR "SCFA"[Text Word] OR "lipopolysaccharide-binding protein"[Text
 Word] OR "LBP"[Text Word] OR "Lipopolysaccharide"[Text Word] OR "LPS"[Text
 Word] OR "bile acids"[Text Word] OR "BA"[Text Word] OR "gut microbiota"[Text Word]
 OR "Firmicutes"[Text Word] OR "Bacteroidetes"[Text Word] OR "Bifidobacteria"[Text
 Word] OR "Lactobacillus"[Text Word] OR "high sensitive c reactive protein"[Text Word] OR
 "hs-CRP"[Text Word] OR "Cytokines"[Text Word] OR "Interleukins"[Text Word] OR
 "Calprotectin"[Text Word])) AND ("dietary fiber"[Text Word] OR "Prebiotic"[Text Word]
 OR "Inulin"[Text Word] OR "Fructooligosaccharides"[Text Word] OR "Starch"[Text
 Word] OR "Chitin-glucan"[Text Word] OR "CG"[Text Word] OR "Probiotics"[Text Word]
 OR "Synbiotic"[Text Word] OR ("dietary fiber"[MeSH Terms] OR "prebiotics"[MeSH
 Terms] OR "Inulin"[MeSH Terms] OR "fructooligosaccharide"[Supplementary Concept] OR
 "Starch"[MeSH Terms] OR "Probiotics"[MeSH Terms] OR "synbiotics"[MeSH Terms]))
 AND (clinicaltrial[Filter])",
- 18 (((((Randomized controlled trials) OR (controlled trial)) OR (randomized clinical trial)) OR (intervention)) 11,400,724
 OR (RCT)) OR (placebo)) OR (random),, "randomized controlled trial"[Publication Type] OR
 "randomized controlled trials as topic"[MeSH Terms] OR "randomized controlled trials"[All
 Fields] OR "randomised controlled trials"[All Fields] OR ("controlled"[All Fields] AND
 ("clinical trials as topic"[MeSH Terms] OR ("clinical"[All Fields] AND "trials"[All Fields]
 AND "topic"[All Fields]) OR "clinical trials as topic"[All Fields] OR "trial"[All Fields] OR
 "trial s"[All Fields] OR "trialed"[All Fields] OR "trialing"[All Fields] OR "trials"[All
 Fields])) OR ("randomized controlled trial"[Publication Type] OR "randomized controlled trials as
 topic"[MeSH Terms] OR "randomized clinical trial"[All Fields] OR "randomised clinical trial"[All
 Fields]) OR ("intervention s"[All Fields] OR "interventions"[All Fields] OR "interventive"[All
 Fields] OR "methods"[MeSH Terms] OR "methods"[All Fields] OR "intervention"[All
 Fields] OR "interventional"[All Fields]) OR "RCT"[All Fields] OR ("placebos"[All Fields]
 OR "placebos"[MeSH Terms] OR "placebos"[All Fields] OR "placebo"[All Fields]) OR
 ("random allocation"[MeSH Terms] OR ("random"[All Fields] AND "allocation"[All Fields])
 OR "random allocation"[All Fields] OR "randomization"[All Fields] OR "randomized"[All
 Fields] OR "random"[All Fields] OR "randomisation"[All Fields] OR "randomisations"[All
 Fields] OR "randomise"[All Fields] OR "randomised"[All Fields] OR "randomising"[All Fields]
 OR "randomizations"[All Fields] OR "randomize"[All Fields] OR "randomizes"[All Fields] OR
 "randomizing"[All Fields] OR "randomness"[All Fields] OR "randoms"[All Fields])",
- 19 ("("randomized controlled trial"[Publication Type]) OR ("placebos"[MeSH 637,511
 Terms])", "randomized controlled trial"[Publication Type] OR "placebos"[MeSH Terms])",
- 20 (controlled trial*[Title/Abstract]) OR (intervention*[Title/Abstract]) OR (RCT[Title/Abstract]) OR 3,059,939
 (placebo[Title/Abstract]) OR (random*[Title/Abstract]) OR (Clinical Trial*[Title/Abstract]),, "controlled
 trial*[Title/Abstract] OR "intervention*[Title/Abstract] OR "RCT*[Title/Abstract] OR
 "placebo*[Title/Abstract] OR "random*[Title/Abstract] OR "clinical trial*[Title/Abstract]",
- 21 (controlled trial*[Text Word]) OR (intervention*[Text Word]) OR (RCT[Text Word]) OR (placebo[Text 3,659,351
 Word]) OR (random*[Text Word]) OR (Clinical Trial*[Text Word]),, "controlled trial*[Text Word]
 OR "intervention*[Text Word] OR "RCT*[Text Word] OR "placebo*[Text Word] OR
 "random*[Text Word] OR "clinical trial*[Text Word]",

- 22 "(((("randomized controlled trial"[Publication Type]) OR ("placebos"[MeSH Terms]) OR ((controlled trial*[Text Word]) OR (intervention*[Text Word]) OR (RCT[Text Word]) OR (placebo[Text Word]) OR (random*[Text Word]) OR (Clinical Trial*[Text Word]))),, "randomized controlled trial"[Publication Type]) OR "placebos"[MeSH Terms] OR "controlled trial"[Text Word] OR "intervention"[Text Word] OR "RCT"[Text Word] OR "placebo"[Text Word] OR "random*[Text Word] OR "clinical trial*[Text Word]", 3,665,798
- 23 "(((("randomized controlled trial"[Publication Type]) OR ("placebos"[MeSH Terms]) OR ((controlled trial*[Text Word]) OR (intervention*[Text Word]) OR (RCT[Text Word]) OR (placebo[Text Word]) OR (random*[Text Word]) OR (Clinical Trial*[Text Word]))), AND (((("zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR "lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms] OR "firmicutes"[MeSH Terms] OR "bacteroidetes"[MeSH Terms] OR "lactobacillus"[MeSH Terms] OR "c-reactive protein"[MeSH Terms] OR "cytokines"[MeSH Terms] OR "interleukins"[MeSH Terms]) OR ("Gut permeability"[Text Word] OR (Zonulin[Text Word]) OR (glucagon-like peptide 2[Text Word]) OR (GLP-2[Text Word]) OR (Long chain -fatty acids[Text Word]) OR (short-chain fatty acids[Text Word]) OR (LCFA[Text Word]) OR (SCFA[Text Word]) OR (lipopolysaccharide binding protein[Text Word]) OR (LBP[Text Word]) OR (Lipopolysaccharide[Text Word]) OR (LPS[Text Word]) OR (Bile acids[Text Word]) OR (BA[Text Word]) OR (Gut microbiota[Text Word]) OR (Firmicutes[Text Word]) OR (Bacteroidetes[Text Word]) OR (Bifidobacteria[Text Word]) OR (Lactobacillus[Text Word]) OR (High sensitive C - reactive protein[Text Word]) OR (hs-CRP[Text Word]) OR (Cytokines[Text Word]) OR (Interleukins[Text Word]) OR (Calprotectin[Text Word])))) AND (((Dietary Fiber[Text Word]) OR (Prebiotic[Text Word]) OR (Inulin[Text Word]) OR (Fructooligosaccharides[Text Word]) OR (Starch[Text Word]) OR (Chitin-glucan[Text Word]) OR (CG[Text Word]) OR (Probiotics[Text Word]) OR (Synbiotic[Text Word]) OR (((("dietary fiber"[MeSH Terms]) OR ("prebiotics"[MeSH Terms]) OR ("inulin"[MeSH Terms]) OR ("fructooligosaccharide"[Supplementary Concept]) OR ("starch"[MeSH Terms]) OR ("probiotics"[MeSH Terms]) OR ("synbiotics"[MeSH Terms]))),, "randomized controlled trial"[Publication Type] OR "placebos"[MeSH Terms] OR ("controlled trial*[Text Word] OR "intervention*[Text Word] OR "RCT"[Text Word] OR "placebo"[Text Word] OR "random*[Text Word] OR "clinical trial*[Text Word]) AND ((("Zonulin"[Supplementary Concept] OR "glucagon-like peptide 2"[MeSH Terms] OR "lipopolysaccharide-binding protein"[Supplementary Concept] OR "lipopolysaccharides"[MeSH Terms] OR "bile acids and salts"[MeSH Terms] OR "gastrointestinal microbiome"[MeSH Terms] OR "Firmicutes"[MeSH Terms] OR "Bacteroidetes"[MeSH Terms] OR "Lactobacillus"[MeSH Terms] OR "c-reactive protein"[MeSH Terms] OR "Cytokines"[MeSH Terms] OR "Interleukins"[MeSH Terms] OR ("Gut permeability"[Text Word] OR "Zonulin"[Text Word] OR "glucagon-like peptide 2"[Text Word] OR "GLP-2"[Text Word] OR "long chain fatty acids"[Text Word] OR "short chain fatty acids"[Text Word] OR "LCFA"[Text Word] OR "SCFA"[Text Word] OR "lipopolysaccharide-binding protein"[Text Word] OR "LBP"[Text Word] OR "Lipopolysaccharide"[Text Word] OR "LPS"[Text Word] OR "bile acids"[Text Word] OR "BA"[Text Word] OR "gut microbiota"[Text Word] OR "Firmicutes"[Text Word] OR "Bacteroidetes"[Text Word] OR "Bifidobacteria"[Text Word] OR "Lactobacillus"[Text Word] OR "high sensitive c reactive protein"[Text Word] OR "hs-CRP"[Text Word] OR "Cytokines"[Text Word] OR "Interleukins"[Text Word] OR "Calprotectin"[Text Word])) AND ((("dietary fiber"[Text Word] OR "Prebiotic"[Text Word] OR "Inulin"[Text Word] OR "Fructooligosaccharides"[Text Word] OR "Starch"[Text Word] OR "Chitin-glucan"[Text Word] OR "CG"[Text Word] OR "Probiotics"[Text Word] OR "Synbiotic"[Text Word] OR ("dietary fiber"[MeSH Terms] OR "prebiotics"[MeSH Terms] OR "Inulin"[MeSH Terms] OR "fructooligosaccharide"[Supplementary Concept] OR "Starch"[MeSH Terms] OR "Probiotics"[MeSH Terms] OR "synbiotics"[MeSH Terms]))), 11,298

24 "((((("randomized controlled trial"[Publication Type]) OR ("placebos"[MeSH Terms])) OR 3,746
 ((controlled trial*[Text Word]) OR (intervention*[Text Word]) OR (RCT[Text Word]) OR (placebo[Text
 Word]) OR (random*[Text Word]) OR (Clinical Trial*[Text Word]))) AND (((("zonulin"[Suppleme
 ntary Concept]) OR ("glucagon-like peptide 2"[MeSH Terms]) OR ("lipopolysaccharide-binding
 protein"[Supplementary Concept]) OR ("lipopolysaccharides"[MeSH Terms]) OR ("bile acids and
 salts"[MeSH Terms]) OR ("gastrointestinal microbiome"[MeSH Terms]) OR ("firmicutes"[MeSH
 Terms]) OR ("bacteroidetes"[MeSH Terms]) OR ("lactobacillus"[MeSH Terms]) OR ("c-reactive
 protein"[MeSH Terms]) OR ("cytokines"[MeSH Terms]) OR ("interleukins"[MeSH Terms]) OR
 ("Gut permeability"[Text Word]) OR (Zonulin[Text Word]) OR (glucagon-like peptide 2[Text Word])
 OR (GLP-2[Text Word]) OR (Long chain -fatty acids[Text Word]) OR (short-chain fatty acids[Text Word])
 OR (LCFA[Text Word]) OR (SCFA[Text Word]) OR (lipopolysaccharide binding protein[Text Word]) OR
 (LBP[Text Word]) OR (Lipopolysaccharide[Text Word]) OR (LPS[Text Word]) OR (Bile acids[Text Word])
 OR (BA[Text Word]) OR (Gut microbiota[Text Word]) OR (Firmicutes[Text Word]) OR (Bacteroidetes[Text
 Word]) OR (Bifidobacteria[Text Word]) OR (Lactobacillus[Text Word]) OR (High sensitive C - reactive
 protein[Text Word]) OR (hs-CRP[Text Word]) OR (Cytokines[Text Word]) OR (Interleukins[Text Word]) OR
 (Calprotectin[Text Word]))) AND (((Dietary Fiber[Text Word]) OR (Prebiotic[Text Word]) OR (Inulin[Text
 Word]) OR (Fructooligosaccharides[Text Word]) OR (Starch[Text Word]) OR (Chitin-glucan[Text
 Word]) OR (CG[Text Word]) OR (Probiotics[Text Word]) OR (Synbiotic[Text Word]) OR (((("dietary
 fiber"[MeSH Terms]) OR ("prebiotics"[MeSH Terms]) OR ("inulin"[MeSH Terms]) OR
 ("fructooligosaccharide"[Supplementary Concept]) OR ("starch"[MeSH Terms]) OR
 ("probiotics"[MeSH Terms]) OR ("synbiotics"[MeSH Terms]))), Clinical Trial, ("randomized
 controlled trial"[Publication Type]) OR ("placebos"[MeSH Terms]) OR ("controlled trial"[Text
 Word]) OR ("intervention*[Text Word]) OR ("RCT"[Text Word]) OR ("placebo"[Text Word]) OR
 ("random*[Text Word]) OR ("clinical trial*[Text Word]) AND ((("Zonulin"[Supplementary
 Concept]) OR ("glucagon-like peptide 2"[MeSH Terms]) OR ("lipopolysaccharide-binding
 protein"[Supplementary Concept]) OR ("lipopolysaccharides"[MeSH Terms]) OR ("bile acids and
 salts"[MeSH Terms]) OR ("gastrointestinal microbiome"[MeSH Terms]) OR ("Firmicutes"[MeSH
 Terms]) OR ("Bacteroidetes"[MeSH Terms]) OR ("Lactobacillus"[MeSH Terms]) OR ("c-reactive
 protein"[MeSH Terms]) OR ("Cytokines"[MeSH Terms]) OR ("Interleukins"[MeSH Terms]) OR
 ("Gut permeability"[Text Word]) OR ("Zonulin"[Text Word]) OR ("glucagon-like peptide 2"[Text
 Word]) OR ("GLP-2"[Text Word]) OR ("long chain fatty acids"[Text Word]) OR ("short chain fatty
 acids"[Text Word]) OR ("LCFA"[Text Word]) OR ("SCFA"[Text Word]) OR ("lipopolysaccharide-
 binding protein"[Text Word]) OR ("LBP"[Text Word]) OR ("Lipopolysaccharide"[Text Word])
 OR ("LPS"[Text Word]) OR ("bile acids"[Text Word]) OR ("BA"[Text Word]) OR ("gut
 microbiota"[Text Word]) OR ("Firmicutes"[Text Word]) OR ("Bacteroidetes"[Text Word])
 OR ("Bifidobacteria"[Text Word]) OR ("Lactobacillus"[Text Word]) OR ("high sensitive c
 reactive protein"[Text Word]) OR ("hs-CRP"[Text Word]) OR ("Cytokines"[Text Word]) OR
 ("Interleukins"[Text Word]) OR ("Calprotectin"[Text Word])) AND ("dietary fiber"[Text
 Word]) OR ("Prebiotic"[Text Word]) OR ("Inulin"[Text Word]) OR ("Fructooligosaccharides"
 "[Text Word]) OR ("Starch"[Text Word]) OR ("Chitin-glucan"[Text Word]) OR ("CG"[Text
 Word]) OR ("Probiotics"[Text Word]) OR ("Synbiotic"[Text Word]) OR ("dietary fiber"[MeSH
 Terms]) OR ("prebiotics"[MeSH Terms]) OR ("Inulin"[MeSH Terms]) OR ("fructooligosaccharide
 "[Supplementary Concept]) OR ("Starch"[MeSH Terms]) OR ("Probiotics"[MeSH Terms]) OR
 ("synbiotics"[MeSH Terms])) AND (clinicaltrial[Filter])".

Embase: 5636			
No.	Query	Results	Date
#13,"#9 AND #12",	5636,16 May 2024		
#12,"#10 OR #11",	11839495,16 May 2024		
#11,"controlled trial":ab,ti OR 'clinical trial':ab,ti OR rct:ab,ti OR random*:ab,ti OR placebo*:ab,ti",	2707049,16 May 2024		
#10," randomized controlled trial"/de OR 'controlled study'/de",	10502280,16 May 2024		
#9,"#8 AND ('Article'/it OR 'Article in Press'/it OR 'Conference Abstract'/it OR 'Preprint'/it)",	5884,16 May 2024		
#8,"#7 AND ('clinical trial'/de OR 'controlled clinical trial'/de OR 'randomized controlled trial'/de)",	7207,16 May 2024		
#7,"#3 AND #6",	68972,16 May 2024		
#6,"#4 OR #5",	3155640,16 May 2024		
#5,"gut permeability"/exp OR 'zonulin'/exp OR 'glucagon-like peptide 2'/exp OR 'glp 2'/exp OR 'lipopolysaccharide binding protein'/exp OR 'lipopolysaccharide'/exp OR 'lps'/exp OR 'bile acids'/exp OR 'ba'/exp OR 'gut microbiota'/exp OR 'firmicutes'/exp OR 'bacteroidetes'/exp OR 'bifidobacteria'/exp OR 'lactobacillus'/exp OR 'cytokines'/exp OR 'interleukins'/exp OR 'calprotectin'/exp",	2952589,16 May 2024		
#4,"gut permeability":ab,kw,ti OR zonulin:ab,kw,ti OR 'glucagon-like peptide 2':ab,kw,ti OR 'glp 2':ab,kw,ti OR 'long chain -fatty acids':ab,kw,ti OR 'short-chain fatty acids':ab,kw,ti OR lcfa:ab,kw,ti OR scfa:ab,kw,ti OR 'lipopolysaccharide binding protein':ab,kw,ti OR lbp:ab,kw,ti OR lipopolysaccharide:ab,kw,ti OR lps:ab,kw,ti OR 'bile acids':ab,kw,ti OR ba:ab,kw,ti OR 'gut microbiota':ab,kw,ti OR firmicutes:ab,kw,ti OR bacteroidetes:ab,kw,ti OR bifidobacteria:ab,kw,ti OR lactobacillus:ab,kw,ti OR 'high sensitive c-reactive protein':ab,kw,ti OR 'hs crp':ab,kw,ti OR cytokines:ab,kw,ti OR interleukins:ab,kw,ti OR calproctin:ab,kw,ti",	828605,16 May 2024		
#3,"#1 OR #2",	223377,16 May 2024		
#2,"dietary fiber"/exp OR 'prebiotic'/exp OR 'inulin'/exp OR 'starch'/exp OR 'probiotics'/exp OR 'synbiotic'/exp",	140708,16 May 2024		
#1,"dietary fiber":ab,ti OR 'prebiotic':ab,ti OR 'inulin':ab,ti OR 'fructooligosaccharides':ab,ti OR 'starch':ab,ti OR 'chitinâ€glucan':ab,ti OR 'cg':ab,ti OR 'probiotics':ab,ti OR 'synbiotic':ab,ti",	164120,16 May 2024		

Scopus: 4249		
No.	Search History	Results
1	(TITLE-ABS-KEY ("dietary fiber" OR "prebiotic*" OR "inulin" OR "fructooligosaccharides" OR "starch" OR "chitinglucan" OR "cg" OR "probiotics" OR "synbiotic") AND TITLE-ABS-KEY (("gut permeability") OR (zonulin) OR ("glucagon-like peptide 2") OR (glp-2) OR ("long chain -fatty acids") OR ("short-chain fatty acids") OR (lcfa) OR (scfa) OR ("lipopolysaccharide binding protein") OR (lbp) OR (lipopolysaccharide) OR (lps) OR ("bile acids") OR (ba) OR ("gut microbiota") OR (firmicutes) OR (bacteroidetes) OR (bifidobacteria) OR (lactobacillus) OR ("high sensitive c-reactive protein") OR (hs-crp) OR (cytokines) OR (interleukins) OR (calprotectin)))	69,392 results
2	(TITLE-ABS-KEY ('controlled AND trial*') OR TITLE-ABS-KEY ('clinical AND trial*') OR TITLE-ABS-KEY (rct) OR TITLE-ABS-KEY (random*) OR TITLE-ABS-KEY (placebo*))	3,530,766 results
3	((TITLE-ABS-KEY ("dietary fiber" OR "prebiotic*" OR "inulin" OR "fructooligosaccharides" OR "starch" OR "chitinglucan" OR "cg" OR "probiotics" OR "synbiotic") AND TITLE-ABS-KEY (("gut permeability") OR (zonulin) OR ("glucagon-like peptide 2") OR (glp-2) OR ("long chain -fatty acids") OR ("short-chain fatty acids") OR (lcfa) OR (scfa) OR ("lipopolysaccharide binding protein") OR (lbp) OR (lipopolysaccharide) OR (lps) OR ("bile acids") OR (ba) OR ("gut microbiota") OR (firmicutes) OR (bacteroidetes) OR (bifidobacteria) OR (lactobacillus) OR ("high sensitive c-reactive protein") OR (hs-crp) OR (cytokines) OR (interleukins) OR (calprotectin)))) AND ((TITLE-ABS-KEY ('controlled AND trial*') OR TITLE-ABS-KEY ('clinical AND trial*') OR TITLE-ABS-KEY (rct) OR TITLE-ABS-KEY (random*) OR TITLE-ABS-KEY (placebo*)))	12,599 results
4	((TITLE-ABS ("dietary fiber" OR "prebiotic*" OR "inulin" OR "fructooligosaccharides" OR "starch" OR "chitin glucan" OR "cg" OR "probiotics" OR "synbiotic") AND TITLE-ABS (("gut permeability") OR (zonulin) OR ("glucagon-like peptide 2") OR (glp-2) OR ("long chain -fatty acids") OR ("short-chain fatty acids") OR (lcfa) OR (scfa) OR ("lipopolysaccharide binding protein") OR (lbp) OR (lipopolysaccharide) OR (lps) OR ("bile acids") OR (ba) OR ("gut microbiota") OR (firmicutes) OR (bacteroidetes) OR (bifidobacteria) OR (lactobacillus) OR ("high sensitive c-reactive protein") OR (hs-crp) OR (cytokines) OR (interleukins) OR (calprotectin)))) AND ((TITLE-ABS ('controlled AND trial*') OR TITLE-ABS ('clinical AND trial*') OR TITLE-ABS(rct) OR TITLE-ABS (random*) OR TITLE-ABS (placebo*)))	7,107 results
5	((TITLE-ABS ("dietary fiber" OR "prebiotic*" OR "inulin" OR "fructooligosaccharides" OR "starch" OR "chitin glucan" OR "cg" OR "probiotics" OR "synbiotic") AND TITLE-ABS (("gut permeability") OR (zonulin) OR ("glucagon-like peptide 2") OR (glp-2) OR ("long chain -fatty acids") OR ("short-chain fatty acids") OR (lcfa) OR (scfa) OR ("lipopolysaccharide binding protein") OR (lbp) OR (lipopolysaccharide) OR (lps) OR ("bile acids") OR (ba) OR ("gut microbiota") OR (firmicutes) OR (bacteroidetes) OR (bifidobacteria) OR (lactobacillus) OR ("high sensitive c-reactive protein") OR (hs-crp) OR (cytokines) OR (interleukins) OR (calprotectin)))) AND ((TITLE-ABS ('controlled AND trial*') OR TITLE-ABS ('clinical AND trial*') OR TITLE-ABS (rct) OR TITLE-ABS (random*) OR TITLE-ABS (placebo*))) AND (LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "cp")) AND (LIMIT-TO (EXACTKEYWORD , "article"))	4,249 results

Web of Sciences: 865					
Entitlements	#	Search query	Database	Results	Date run
-WOS.SCI: 1970 to 2024 -WOS.AHCI: 1975 to 2024 -WOS.ESCI: 2019 to 2024 -WOS.SSCI: 1970 to 2024	1	("Gut permeability") OR (Zonulin) OR ("glucagon-like peptide 2") OR (GLP-2) OR ("Long chain -fatty acids") OR ("short-chain fatty acids") OR (LCFA) OR (SCFA) OR ("lipopolysaccharide binding protein") OR (LBP) OR (Lipopolysaccharide) OR (LPS) OR ("Bile acids") OR (BA) OR ("Gut microbiota") OR (Firmicutes) OR (Bacteroidetes) OR (Bifidobacteria) OR (Lactobacillus) OR ("High sensitive C-reactive protein") OR (hs-CRP) OR (Cytokines) OR (Interleukins) OR (Calprotectin) (Topic)	Web of Science Core Collection	824401	Thu May 16 2024 10:10:52 GMT+0330 (+0330)
-WOS.SCI: 1970 to 2024 -WOS.AHCI: 1975 to 2024 -WOS.ESCI: 2019 to 2024 -WOS.SSCI: 1970 to 2024	2	("Gut permeability") OR (Zonulin) OR ("glucagon-like peptide 2") OR (GLP-2) OR ("Long chain -fatty acids") OR ("short-chain fatty acids") OR (LCFA) OR (SCFA) OR ("lipopolysaccharide binding protein") OR (LBP) OR (Lipopolysaccharide) OR (LPS) OR ("Bile acids") OR (BA) OR ("Gut microbiota") OR (Firmicutes) OR (Bacteroidetes) OR (Bifidobacteria) OR (Lactobacillus) OR ("High sensitive C-reactive protein") OR (hs-CRP) OR (Cytokines) OR (Interleukins) OR (Calprotectin) (Title) OR ("Gut permeability") OR (Zonulin) OR ("glucagon-like peptide 2") OR (GLP-2) OR ("Long chain -fatty acids") OR ("short-chain fatty acids") OR (LCFA) OR (SCFA) OR ("lipopolysaccharide binding protein") OR (LBP) OR (Lipopolysaccharide) OR (LPS) OR ("Bile acids") OR (BA) OR ("Gut microbiota") OR (Firmicutes) OR (Bacteroidetes) OR (Bifidobacteria) OR (Lactobacillus) OR ("High sensitive C-reactive protein") OR (hs-CRP) OR (Cytokines) OR (Interleukins) OR (Calprotectin) (Abstract)	Web of Science Core Collection	707157	Thu May 16 2024 10:11:11 GMT+0330 (+0330)
-WOS.SCI: 1970 to 2024 -WOS.AHCI: 1975 to 2024 -WOS.ESCI: 2019 to 2024 -WOS.SSCI: 1970 to 2024	3	"Dietary Fiber" OR "Prebiotic*" OR "Inulin" OR "Fructooligosaccharides" OR "Starch" OR "Chitinglucan" OR "CG" OR "Probiotics" OR "Synbiotic" (Title) OR "Dietary Fiber" OR "Prebiotic*" OR "Inulin" OR "Fructooligosaccharides" OR "Starch" OR "Chitinglucan" OR "CG" OR "Probiotics" OR "Synbiotic" (Abstract)	Web of Science Core Collection	219991	Thu May 16 2024 10:35:31 GMT+0330 (+0330)
-WOS.SCI: 1970 to 2024 -WOS.AHCI: 1975 to 2024 -WOS.ESCI: 2019 to 2024 -WOS.SSCI: 1970 to 2024	4	"Dietary Fiber" OR "Prebiotic*" OR "Inulin" OR "Fructooligosaccharides" OR "Starch" OR "Chitinglucan" OR "CG" OR "Probiotics" OR "Synbiotic" (Topic)	Web of Science Core Collection	265871	Thu May 16 2024 10:35:43 GMT+0330 (+0330)
-WOS.SCI: 1970 to 2024 -WOS.AHCI: 1975 to 2024 -WOS.ESCI: 2019 to 2024 -WOS.SSCI: 1970 to 2024	5	#4 AND #1	Web of Science Core Collection	43284	Thu May 16 2024 10:36:10 GMT+0330 (+0330)
-WOS.SCI: 1970 to 2024 -WOS.AHCI: 1975 to 2024 -WOS.ESCI: 2019 to 2024 -WOS.SSCI: 1970 to 2024	6	#3 AND #2	Web of Science Core Collection	26141	Thu May 16 2024 10:36:20 GMT+0330 (+0330)
-WOS.SCI: 1970 to 2024 -WOS.AHCI: 1975 to 2024 -WOS.ESCI: 2019 to 2024 -WOS.SSCI: 1970 to 2024	7	controlled trial* (Title) OR clinical trial* (Title) OR RCT (Title) OR Random* (Title) OR Placebo* (Title)	Web of Science Core Collection	638469	Thu May 16 2024 10:38:52 GMT+0330 (+0330)
-WOS.SCI: 1970 to 2024 -WOS.AHCI: 1975 to 2024 -WOS.ESCI: 2019 to 2024 -WOS.SSCI: 1970 to 2024	8	controlled trial* (Abstract) OR clinical trial* (Abstract) OR RCT (Abstract) OR Random* (Abstract) OR Placebo* (Abstract)	Web of Science Core Collection	2411195	Thu May 16 2024 10:39:23 GMT+0330 (+0330)

- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	9 #7 OR #8	Web of Science Core Collection	2643162	Thu May 16 2024 10:39:53 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	10 #9 AND #6	Web of Science Core Collection	5060	Thu May 16 2024 10:40:00 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	11 #5 AND #9	Web of Science Core Collection	8373	Thu May 16 2024 10:40:11 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	12 #9 AND #6 and Article or Early Access or Proceeding Paper (Document Types)	Web of Science Core Collection	4192	Thu May 16 2024 10:40:44 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	13 #9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types)	Web of Science Core Collection	4192	Thu May 16 2024 10:40:59 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	14 #9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types) and Review Article or Retracted Publication (Exclude–Document Types)	Web of Science Core Collection	4171	Thu May 16 2024 10:41:10 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	15 #9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types) and Review Article or Retracted Publication (Exclude–Document Types) and Book Chapters or Publication With Expression Of Concern (Exclude–Document Types)	Web of Science Core Collection	4157	Thu May 16 2024 10:41:19 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	16 #9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types) and Review Article or Retracted Publication (Exclude–Document Types) and Book Chapters or Publication With Expression Of Concern (Exclude–Document Types) and 2024 or 2023 or 2022 (Publication Years)	Web of Science Core Collection	1059	Thu May 16 2024 10:43:25 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	17 #9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types) and Review Article or Retracted Publication (Exclude–Document Types) and Book Chapters or Publication With Expression Of Concern (Exclude–Document Types) and 2024 or 2023 or 2022 (Publication Years) and 2023 or 2024 (Publication Years)	Web of Science Core Collection	579	Thu May 16 2024 10:43:55 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	18 #9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types) and Review Article or Retracted Publication (Exclude–Document Types) and Book Chapters or Publication With Expression Of Concern (Exclude – Document Types) and 2022 or 2021 (Publication Years)	Web of Science Core Collection	952	Thu May 16 2024 10:44:51 GMT+0330 (+0330)

- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	19	#9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types) and Review Article or Retracted Publication (Exclude–Document Types) and Book Chapters or Publication With Expression Of Concern (Exclude–Document Types) and 2020 or 2019 or 2018 (Publication Years)	Web of Science Core Collection	932	Thu May 16 2024 10:47:22 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	20	#9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types) and Review Article or Retracted Publication (Exclude–Document Types) and Book Chapters or Publication With Expression Of Concern (Exclude– Document Types) and 2017 or 2016 or 2015 or 2014 or 2013 (Publication Years)	Web of Science Core Collection	829	Thu May 16 2024 10:48:23 GMT+0330 (+0330)
- WOS.SCI: 1970 to 2024 - WOS.AHCI: 1975 to 2024 - WOS.ESCI: 2019 to 2024 - WOS.SSCI: 1970 to 2024	21	#9 AND #6 and Article or Early Access or Proceeding Paper (Document Types) and Article or Early Access or Proceeding Paper (Document Types) and Review Article or Retracted Publication (Exclude–Document Types) and Book Chapters or Publication With Expression Of Concern (Exclude– Document Types) and 2024 or 2023 or 2022 or 2021 or 2020 or 2019 or 2018 or 2017 or 2016 or 2015 or 2014 or 2013 (Exclude–Publication Years)	Web of Science Core Collection	865	Thu May 16 2024 10:49:25 GMT+0330 (+0330)