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## Host-gut microbiota metabolic interactions

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1584	Integrating the microbiome into precision medicine. <b>2016</b> , 1, 475-477	1
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1582	Effect of early antibiotic administration on cecal bacterial communities and their metabolic profiles in pigs fed diets with different protein levels. <b>2016</b> , 42, 188-196	26
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1578	Microbes, Metabolites and Health. <b>2016</b> , 13-48	
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1570	A role for growth hormone secretagogue receptor type 1a, ghrelin and CaV2 channels in hypothalamic neurotransmission. <b>2016</b> , 26, S143-S144	
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1568	Spectral consensus strategy for accurate reconstruction of large biological networks. <b>2016</b> , 17, 493	5
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1566	Gut Microbiotas and Host Evolution: Scaling Up Symbiosis. <b>2016</b> , 31, 539-549	198
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1563	Effects of chlorpyrifos on the gut microbiome and urine metabolome in mouse ( <i>Mus musculus</i> ). <b>2016</b> , 153, 287-93	67

1562	Immune response and gut microbial community structure in bumblebees after microbiota transplants. <b>2016</b> , 283,	22
1561	Elucidating the richness of bacterial groups in the gut of Nicobarese tribal community - Perspective on their lifestyle transition. <b>2016</b> , 39, 68-76	7
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1558	A comprehensive review of the nasal microbiome in chronic rhinosinusitis (CRS). <b>2016</b> , 46, 21-41	73
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1556	The intestinal microbiome, barrier function, and immune system in inflammatory bowel disease: a tripartite pathophysiological circuit with implications for new therapeutic directions. <b>2016</b> , 9, 606-25	104
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1552	Linkages of Firmicutes and Bacteroidetes populations to methanogenic process performance. <b>2016</b> , 43, 771-81	66
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1550	Benefits of short-chain fatty acids and their receptors in inflammation and carcinogenesis. <b>2016</b> , 164, 144-51	219
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1542	In vitro analysis of partially hydrolyzed guar gum fermentation on identified gut microbiota. <b>2016</b> , 42, 60-66	14
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1529	Long-term effect of heavy-metal pollution on diversity of gastrointestinal microbial community of <i>Bufo raddei</i> . <b>2016</b> , 258, 192-197	54
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1526	Free and complexed-secretory immunoglobulin A triggers distinct intestinal epithelial cell responses. <b>2016</b> , 185, 338-47	20
1525	Microbes and the mind: emerging hallmarks of the gut microbiota-brain axis. <b>2016</b> , 18, 632-44	80
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1506	Mosquitoes host communities of bacteria that are essential for development but vary greatly between local habitats. <b>2016</b> , 25, 5806-5826	146
1505	Antibiotic Use in Animal Feed and its Impact on Antibiotic Resistance in Human Pathogens. <b>2016</b> , 145-164	1
1504	Amoxicillin-clavulanic acid and ciprofloxacin-treated SPF mice as gnotobiotic model. <b>2016</b> , 100, 9671-9682	3
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1494	Next-generation sequencing characterization of the gut bacterial community of gilthead sea bream ( <i>Sparus aurata</i> , L.) fed low fishmeal based diets with increasing soybean meal levels. <b>2016</b> , 222, 204-216	47
1493	Fecal metabolome of the Hadza hunter-gatherers: a host-microbiome integrative view. <b>2016</b> , 6, 32826	50
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1491	In vitro fermentation of mulberry fruit polysaccharides by human fecal inocula and impact on microbiota. <b>2016</b> , 7, 4637-4643	53

1490	Acute Alpha-Naphthylisothiocyanate-induced Liver Toxicity in Germfree and Conventional Male Rats. <b>2016</b> , 44, 987-97	8
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1484	Identification and Treatment of Pathophysiological Comorbidities of Autism Spectrum Disorder to Achieve Optimal Outcomes. <b>2016</b> , 10, 43-56	56
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1482	The microbiome during pregnancy and early postnatal life. <b>2016</b> , 21, 373-379	60
1481	Deglycosylation of flavonoid O-glucosides by human intestinal bacteria <i>Enterococcus</i> sp. MRG-2 and <i>Lactococcus</i> sp. MRG-IF-4. <b>2016</b> , 59, 443-449	5
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1479	Effects of Walnut Consumption on Colon Carcinogenesis and Microbial Community Structure. <b>2016</b> , 9, 692-703	42
1478	The use of mass spectrometry for analysing metabolite biomarkers in epidemiology: methodological and statistical considerations for application to large numbers of biological samples. <b>2016</b> , 31, 717-33	19
1477	Structural modulation of gut microbiota by chondroitin sulfate and its oligosaccharide. <b>2016</b> , 89, 489-98	46
1476	Gut-Colonizing Bacteria Promote <i>C. elegans</i> Innate Immunity by Producing Nitric Oxide. <b>2016</b> , 14, 1301-1307	3
1475	Detection of carboxylesterase and esterase activity in culturable gut bacterial flora isolated from diamondback moth, <i>Plutella xylostella</i> (Linnaeus), from India and its possible role in indoxacarb degradation. <b>2016</b> , 47, 327-36	39
1474	Effects of dietary supplementation with epidermal growth factor-expressing <i>Saccharomyces cerevisiae</i> on duodenal development in weaned piglets. <b>2016</b> , 115, 1509-20	9
1473	Pharmacokinetics of isoflavones from soy infant formula in neonatal and adult rhesus monkeys. <b>2016</b> , 92, 165-76	10

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1465	MetaPro-IQ: a universal metaproteomic approach to studying human and mouse gut microbiota. <b>2016</b> , 4, 31	105
1464	Bacteriophages to reduce gut carriage of antibiotic resistant uropathogens with low impact on microbiota composition. <b>2016</b> , 18, 2237-45	81
1463	Fish nutrition research: past, present and future. <b>2016</b> , 24, 767-786	64
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1461	Gut microbial activity as influenced by fiber digestion: dynamic metabolomics in an in vitro colon simulator. <b>2016</b> , 12, 1	11
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1457	Two Healthy Diets Modulate Gut Microbial Community Improving Insulin Sensitivity in a Human Obese Population. <b>2016</b> , 101, 233-42	159
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1455	Building a Beneficial Microbiome from Birth. <b>2016</b> , 7, 323-30	50

1454	Neonatal Gastrointestinal and Respiratory Microbiome in Cystic Fibrosis: Potential Interactions and Implications for Systemic Health. <b>2016</b> , 38, 740-6	13
1453	Real-time metabolomic analysis of lactic acid bacteria as monitored by in vitro NMR and chemometrics. <b>2016</b> , 12, 1	16
1452	Characterization of ankylosing spondylitis and rheumatoid arthritis using <sup>1</sup> H NMR-based metabolomics of human fecal extracts. <b>2016</b> , 12, 1	20
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1449	Association of urinary metabolites with radiographic progression of knee osteoarthritis in overweight and obese adults: an exploratory study. <b>2016</b> , 24, 1479-86	34
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1447	Obesity, Asthma, and the Microbiome. <b>2016</b> , 31, 108-16	22
1446	Innovations in Canine and Feline Nutrition: Technologies for Food and Nutrition Assessment. <b>2016</b> , 4, 311-33	6
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1442	The influence of commensal bacteria on infection with enteric viruses. <b>2016</b> , 14, 197-204	118
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1437	Cell-Nonautonomous Mechanisms Underlying Cellular and Organismal Aging. <b>2016</b> , 321, 259-97	14

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1431	The microbiota-gut-brain axis and its potential therapeutic role in autism spectrum disorder. <b>2016</b> , 324, 131-9	133
1430	Intestinal Microbiota and Metabolic Diseases: Pharmacological Implications. <b>2016</b> , 37, 169-171	22
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1425	Dansylation isotope labeling liquid chromatography mass spectrometry for parallel profiling of human urinary and fecal submetabolomes. <b>2016</b> , 903, 100-9	24
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1420	Metabolomics and its application to the evaluation of the efficacy and toxicity of traditional Chinese herb medicines. <b>2016</b> , 1026, 204-216	56
1419	Microbiome to Brain: Unravelling the Multidirectional Axes of Communication. <b>2016</b> , 874, 301-36	41

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1417	Symbiotics, Probiotics, and Fiber Diet in Diverticular Disease. <b>2016</b> , 501-514	
1416	Synbiotics. <b>2016</b> , 567-574	1
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1404	Effects of gut microbiota on the microRNA and mRNA expression in the hippocampus of mice. <b>2017</b> , 322, 34-41	57
1403	Discovery of Reactive Microbiota-Derived Metabolites that Inhibit Host Proteases. <b>2017</b> , 168, 517-526.e18	130
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1401	Alcohol, microbiome, life style influence alcohol and non-alcoholic organ damage. <b>2017</b> , 102, 162-180	33

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1398	Chronic Diseases and Lifestyle Biomarkers Identification by Metabolomics. <b>2017</b> , 965, 235-263	17
1397	Composition of Gut Microbiota in the Gibel Carp (Carassius auratus gibelio) Varies with Host Development. <b>2017</b> , 74, 239-249	59
1396	Early life antibiotic exposure affects pancreatic islet development and metabolic regulation. <b>2017</b> , 7, 41778	20
1395	Fecal Microbiota Transplantation. <b>2017</b> , 46, 171-185	100
1394	Gut Microbiome of the Canadian Arctic Inuit. <b>2017</b> , 2,	28
1393	Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. <b>2017</b> , 5, 184-195	143
1392	Gut microbiota differs between children with Inflammatory Bowel Disease and healthy siblings in taxonomic and functional composition: a metagenomic analysis. <b>2017</b> , 312, G327-G339	52
1391	Microbes and mental health: A review. <b>2017</b> , 66, 9-17	223
1390	Two biomass preparation methods provide insights into studying microbial communities of intestinal mucosa in grass carp (Ctenopharyngodon idellus). <b>2017</b> , 48, 4272-4283	5
1389	New insights into the pathogenesis and treatment of irritable bowel syndrome. <b>2017</b> , 62, 17-30	60
1388	Carcinogenesis and therapeutics: the microbiota perspective. <b>2017</b> , 2, 17008	73
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1386	A member of the gut mycobiota modulates host purine metabolism exacerbating colitis in mice. <b>2017</b> , 9,	100
1385	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. <b>2017</b> , 25, 522-534	77
1384	The urinary H-NMR metabolomics profile of an italian autistic children population and their unaffected siblings. <b>2017</b> , 10, 1058-1066	40
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1182	Fiber-Rich Dietary Patterns and Colonic Microbiota in Aging and Disease. <b>2018</b> , 119-144	1
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1179	Sugary Kefir Strain <i>Lactobacillus mali</i> APS1 Ameliorated Hepatic Steatosis by Regulation of SIRT-1/Nrf-2 and Gut Microbiota in Rats. <b>2018</b> , 62, e1700903	39
1178	Effects of different thickening agents on infant gut microbiota. <b>2018</b> , 9, 1768-1778	12
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1176	Prenatal androgen exposure causes hypertension and gut microbiota dysbiosis. <b>2018</b> , 9, 400-421	51
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1155	Digestibility of sulfated polysaccharide from the brown seaweed <i>Ascophyllum nodosum</i> and its effect on the human gut microbiota in vitro. <b>2018</b> , 112, 1055-1061	66
1154	Microbial community and short-chain fatty acid profile in gastrointestinal tract of goose. <b>2018</b> , 97, 1420-1428	26
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1129	The Microbial Community of Tardigrades: Environmental Influence and Species Specificity of Microbiome Structure and Composition. <b>2018</b> , 76, 467-481	16
1128	Metagenomic and metabolomic analyses unveil dysbiosis of gut microbiota in chronic heart failure patients. <b>2018</b> , 8, 635	133
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1126	A human pilot trial of ingestible electronic capsules capable of sensing different gases in the gut. <b>2018</b> , 1, 79-87	171
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1114	Relationships between digestive efficiency and metabolomic profiles of serum and intestinal contents in chickens. <b>2018</b> , 8, 6678	12
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1100	Strategies to modulate the intestinal microbiota of Tilapia ( <i>Oreochromis</i> sp.) in aquaculture: a review. <b>2018</b> , 10, 320-333	42
1099	Intestinal microbiota of healthy and unhealthy Atlantic salmon <i>Salmo salar</i> L. in a recirculating aquaculture system. <b>2018</b> , 36, 414-426	28
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1073	The gut virome of the protochordate model organism, <i>Ciona intestinalis</i> subtype A. <b>2018</b> , 244, 137-146	13
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1069	Anxiety, Depression, and the Microbiome: A Role for Gut Peptides. <b>2018</b> , 15, 36-59	218
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1062	Reality of "Enteric Dialysis" with Probiotics and Prebiotics to Delay the Need of Conventional Dialysis. <b>2018</b> , 08,	0
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1053	Role of Bacterial Translocation in the Progressive and Delayed Irinotecan Induced Diarrhea.. <b>2018, 08,</b>	
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1043	Outside in: Unraveling the Role of Neuroinflammation in the Progression of Parkinson's Disease. <b>2018, 9, 860</b>	62
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1015	Analyzing Metabolic Pathways in Microbiomes. <b>2018</b> , 1849, 291-307	
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629	Trimethylamine N-oxide predicts stroke severity in diabetic patients with acute ischaemic stroke and is related to glycemic variability.. <b>2022</b> ,	1
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610	Antioxidant and anti-inflammatory roles of tea polyphenols in inflammatory bowel diseases. <b>2022</b> , 11, 502-511	3
609	Mild Chronic Colitis Triggers Parkinsonism in LRRK2 Mutant Mice Through Activating TNF- $\alpha$ Pathway.. <b>2021</b> ,	4

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