

Comparison of the Fecal Microbiota of Healthy Horses and Throughput Sequencing of the V3-V5 Region of the 16S rDNA

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Toward an Understanding of Changes in Diversity Associated with Fecal Microbiome Transplantation Based on 16S rRNA Gene Deep Sequencing. <i>MBio</i> , 2012, 3, .	1.8	151
2	Pyrosequencing of 16S rRNA genes in fecal samples reveals high diversity of hindgut microflora in horses and potential links to chronic laminitis. <i>BMC Veterinary Research</i> , 2012, 8, 231.	0.7	143
3	Comparison of microbial populations in the small intestine, large intestine and feces of healthy horses using terminal restriction fragment length polymorphism. <i>BMC Research Notes</i> , 2013, 6, 91.	0.6	43
4	The core faecal bacterial microbiome of Irish Thoroughbred racehorses. <i>Letters in Applied Microbiology</i> , 2013, 57, 492-501.	1.0	90
5	Risk factors for large colon volvulus in the <sc>UK</sc>. <i>Equine Veterinary Journal</i> , 2013, 45, 558-563.	0.9	41
6	Molecular diversity of the equine caecal microbiota and its correlation to postprandial fermentation metabolites: A preliminary approach. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2013, 63, 208-216.	0.2	3
7	The Microbial Community in the Feces of the White Rhinoceros (<i>Ceratotherium simum</i>) as Determined by Barcoded Pyrosequencing Analysis. <i>PLoS ONE</i> , 2013, 8, e70103.	1.1	42
8	Aerosol Mycobacterium tuberculosis Infection Causes Rapid Loss of Diversity in Gut Microbiota. <i>PLoS ONE</i> , 2014, 9, e97048.	1.1	124
9	Faecal Microbiota of Forage-Fed Horses in New Zealand and the Population Dynamics of Microbial Communities following Dietary Change. <i>PLoS ONE</i> , 2014, 9, e112846.	1.1	104
10	Molecular analysis of the microbiota in hard feces from healthy rabbits (<i>Oryctolagus cuniculus</i>) medicated with long term oral meloxicam. <i>BMC Veterinary Research</i> , 2014, 10, 62.	0.7	27
11	Scienceâ€¢inâ€¢Brief: Clinical highlights from <sc>BEVA</sc> Congress 2013. <i>Equine Veterinary Journal</i> , 2014, 46, 131-134.	0.9	0
12	Significance of Nutrient Digestibility in Horse Nutrition â€“ A Review. <i>Annals of Animal Science</i> , 2014, 14, 779-797.	0.6	5
13	Probiotic Use in Horses â€“ What is the Evidence for Their Clinical Efficacy?. <i>Journal of Veterinary Internal Medicine</i> , 2014, 28, 1640-1652.	0.6	57
14	Analysis of the Gut Microbiota by High-Throughput Sequencing of the V5â€¢V6 Regions of the 16S rRNA Gene in Donkey. <i>Current Microbiology</i> , 2014, 68, 657-662.	1.0	41
15	Comparative transcriptomics of the model mushroom <i>Coprinopsis cinerea</i> reveals tissue-specific armories and a conserved circuitry for sexual development. <i>BMC Genomics</i> , 2014, 15, 492.	1.2	65
16	Profiling of the bacteria responsible for pyogenic liver abscess by 16S rRNA gene pyrosequencing. <i>Journal of Microbiology</i> , 2014, 52, 504-509.	1.3	22
17	The fecal microbiota of semi-free-ranging wood bison (<i>Bison bison athabasca</i>). <i>BMC Veterinary Research</i> , 2014, 10, 120.	0.7	10
20	Faecal microbiota characterisation of horses using 16 rDNA barcoded pyrosequencing, and carriage rate of <i>Clostridium difficile</i> at hospital admission. <i>BMC Microbiology</i> , 2015, 15, 181.	1.3	82

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21	Characterisation of the faecal metabolome and microbiome of Thoroughbred racehorses. <i>Equine Veterinary Journal</i> , 2015, 47, 580-586.	0.9	51
22	Changes in the faecal microbiota of mares precede the development of <i>post partum</i> colic. <i>Equine Veterinary Journal</i> , 2015, 47, 641-649.	0.9	130
23	Microbial communities present in the lower respiratory tract of clinically healthy birds in Pakistan. <i>Poultry Science</i> , 2015, 94, 612-620.	1.5	36
24	Dominant components of the ¹ H nuclear magnetic resonance spectroscopy: A metabolite atlas of common biofluids. <i>Equine Veterinary Journal</i> , 2015, 47, 721-730.	0.9	30
25	Impacts of infection with different toxigenic <i>Clostridium difficile</i> strains on faecal microbiota in children. <i>Scientific Reports</i> , 2014, 4, 7485.	1.6	150
26	Dietary effects on human gut microbiome diversity. <i>British Journal of Nutrition</i> , 2015, 113, S1-S5.	1.2	350
27	Acute Colitis in Horses. , 2015, , 297-301.		3
28	Characterization and comparison of the bacterial microbiota in different gastrointestinal tract compartments in horses. <i>Veterinary Journal</i> , 2015, 205, 74-80.	0.6	175
29	Changes in the equine fecal microbiota associated with the use of systemic antimicrobial drugs. <i>BMC Veterinary Research</i> , 2015, 11, 19.	0.7	118
30	An Update on the Status of Current Research on the Mammalian Microbiome. <i>ILAR Journal</i> , 2015, 56, 163-168.	1.8	24
31	Effect of Two Different Commercial DNA Extraction Kits on the Bacterial 16S Ribosomal RNA Gene Denaturing Gradient Gel Electrophoresis Profile of Arabian Gelding Feces. <i>Journal of Equine Veterinary Science</i> , 2015, 35, 165-169.	0.4	2
32	Comparison of Fecal Microbiota of Mongolian and Thoroughbred Horses by High-throughput Sequencing of the V4 Region of the 16S rRNA Gene. <i>Asian-Australasian Journal of Animal Sciences</i> , 2016, 29, 1345-1352.	2.4	39
33	<i>Mycobacterium avium</i> Subspecies <i>paratuberculosis</i> Infection Modifies Gut Microbiota under Different Dietary Conditions in a Rabbit Model. <i>Frontiers in Microbiology</i> , 2016, 7, 446.	1.5	56
34	Role of the gut microbiota in equine health and disease. <i>Animal Frontiers</i> , 2016, 6, 43-49.	0.8	16
35	Effects of transport, fasting and anaesthesia on the faecal microbiota of healthy adult horses. <i>Equine Veterinary Journal</i> , 2016, 48, 595-602.	0.9	63
36	Comparison of the bacterial communities in feces from wild versus housed sables (<i>Martes zibellina</i>) by high-throughput sequence analysis of the bacterial 16S rRNA gene. <i>AMB Express</i> , 2016, 6, 98.	1.4	18
37	HORSE SPECIES SYMPOSIUM: The microbiome of the horse hindgut: History and current knowledge1. <i>Journal of Animal Science</i> , 2016, 94, 2262-2274.	0.2	76
38	In-depth snapshot of the equine subgingival microbiome. <i>Microbial Pathogenesis</i> , 2016, 94, 76-89.	1.3	26

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39	EBI metagenomics in 2016 - an expanding and evolving resource for the analysis and archiving of metagenomic data. <i>Nucleic Acids Research</i> , 2016, 44, D595-D603.	6.5	97
40	High-throughput sequencing of 16S rRNA Gene Reveals Substantial Bacterial Diversity on the Municipal Dumpsite. <i>BMC Microbiology</i> , 2016, 16, 145.	1.3	34
41	Preliminary Investigation of the Changes in Fecal Streptococcal Population due to Diet and Time of Day in Horses. <i>Journal of Equine Veterinary Science</i> , 2016, 46, 18-23.	0.4	1
42	Analysis of the distal gut bacterial community by 454-pyrosequencing in captive giraffes (<i>Giraffa t. t.</i>). <i>PLoS ONE</i> , 2016, 11, e0157114.	0.5	1
43	A comparison of microbial profiles of different regions of the equine hindgut. <i>Livestock Science</i> , 2016, 190, 16-19.	0.6	12
44	Comparison of the Fecal Microbiota in Horses With Equine Metabolic Syndrome and Metabolically Normal Controls Fed a Similar All-Forage Diet. <i>Journal of Equine Veterinary Science</i> , 2016, 44, 9-16.	0.4	57
45	Effect of yeast supplementation on hindgut microbiota and digestibility of horses subjected to an abrupt change of hays. <i>Livestock Science</i> , 2016, 186, 34-40.	0.6	12
46	Prevention of post operative complications following surgical treatment of equine colic: Current evidence. <i>Equine Veterinary Journal</i> , 2016, 48, 143-151.	0.9	48
47	The longitudinal effect of a multi-strain probiotic on the intestinal bacterial microbiota of neonatal foals. <i>Equine Veterinary Journal</i> , 2016, 48, 689-696.	0.9	30
48	Fecal microbiota of three bactrian camels (<i>Camelus ferus</i> and <i>Camelus bactrianus</i>) in China by high throughput sequencing of the V3-V4 region of the 16S rRNA gene. <i>Journal of Arid Land</i> , 2017, 9, 153-159.	0.9	11
49	Alterations in Intestinal Permeability: The Role of the "Leaky Gut" in Health and Disease. <i>Journal of Equine Veterinary Science</i> , 2017, 52, 10-22.	0.4	51
50	Cohabitation with farm animals rather than breeding effort increases the infection with feather-associated bacteria in the barn swallow (<i>Hirundo rustica</i>). <i>Journal of Avian Biology</i> , 2017, 48, 1005-1014.	0.6	6
51	Characterization of the gut microbiota in the golden takin (<i>Budorcas taxicolor bedfordi</i>). <i>AMB Express</i> , 2017, 7, 81.	1.4	23
53	Comparison of the fecal bacterial microbiota of healthy and diarrheic foals at two and four weeks of life. <i>BMC Veterinary Research</i> , 2017, 13, 144.	0.7	41
54	Bacterial diversity of Moutai-flavour Daqu based on high-throughput sequencing method. <i>Journal of the Institute of Brewing</i> , 2017, 123, 138-143.	0.8	43
55	Characterization of the Fecal Bacterial Microbiota of Healthy and Diarrheic Dairy Calves. <i>Journal of Veterinary Internal Medicine</i> , 2017, 31, 928-939.	0.6	123
56	Core fecal microbiota of domesticated herbivorous ruminant, hindgut fermenters, and monogastric animals. <i>MicrobiologyOpen</i> , 2017, 6, e00509.	1.2	83
58	A Pilot Study on the Effects of Curcumin on Parasites, Inflammation, and Opportunistic Bacteria in Riding Horses. <i>Journal of Equine Veterinary Science</i> , 2017, 57, 46-50.	0.4	2

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59	Changes in the fecal microbiota of beef cattle caused by change in management and the use of virginiamycin as a growth promoter. <i>Research in Veterinary Science</i> , 2017, 114, 355-362.	0.9	8
60	Implementation of an algorithm for selection of antimicrobial therapy for diarrhoeic calves: Impact on antimicrobial treatment rates, health and faecal microbiota. <i>Veterinary Journal</i> , 2017, 226, 15-25.	0.6	19
61	Effects of liposomal-curcumin on five opportunistic bacterial strains found in the equine hindgut - preliminary study. <i>Journal of Animal Science and Technology</i> , 2017, 59, 15.	0.8	3
62	<i>Coprinopsis cinerea</i> intracellular lactonases hydrolyze quorum sensing molecules of Gram-negative bacteria. <i>Fungal Genetics and Biology</i> , 2017, 102, 49-62.	0.9	19
63	Diversity, abundance, and possible sources of fecal bacteria in the Yangtze River. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2143-2152.	1.7	28
64	Comparison of the gut microbiota composition between wild and captive sika deer (<i>Cervus nippon</i>) Tj ETQq1 1 0.784314 rgBT / Overlaid	1.4	102
65	Fecal bacterial communities of wild-captured and stranded green turtles (<i>Chelonia mydas</i>) on the Great Barrier Reef. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	44
66	Influence of short-term dietary starch inclusion on the equine cecal microbiome1. <i>Journal of Animal Science</i> , 2017, 95, 5077-5090.	0.2	33
67	The Effects of Weaning Methods on Gut Microbiota Composition and Horse Physiology. <i>Frontiers in Physiology</i> , 2017, 8, 535.	1.3	80
68	Soil Bacterial Diversity Impacted by Conversion of Secondary Forest to Rubber or Eucalyptus Plantations: A Case Study of Hainan Island, South China. <i>Forest Science</i> , 2017, 63, 87-93.	0.5	23
69	Structure and Function of the Fecal Microbiota in Diarrheic Neonatal Piglets. <i>Frontiers in Microbiology</i> , 2017, 8, 502.	1.5	103
70	Changes in the Total Fecal Bacterial Population in Individual Horses Maintained on a Restricted Diet Over 6 Weeks. <i>Frontiers in Microbiology</i> , 2017, 8, 1502.	1.5	37
71	Microbial Shifts in the Intestinal Microbiota of Salmonella Infected Chickens in Response to Enrofloxacin. <i>Frontiers in Microbiology</i> , 2017, 8, 1711.	1.5	34
72	The association between gut microbiome, sex, age and body condition scores of horses in Maiduguri and its environs. <i>Microbial Pathogenesis</i> , 2018, 118, 81-86.	1.3	26
73	Effect of Road Transport on the Equine Cecal Microbiota. <i>Journal of Equine Veterinary Science</i> , 2018, 68, 12-20.	0.4	19
74	The relationships between faecal egg counts and gut microbial composition in UK Thoroughbreds infected by cyathostomins. <i>International Journal for Parasitology</i> , 2018, 48, 403-412.	1.3	39
75	Evidence for selective bacterial community structuring on microplastics. <i>Environmental Microbiology</i> , 2018, 20, 2796-2808.	1.8	261
76	High-throughput sequencing and culture-based approaches to analyze microbial diversity associated with chemical changes in naturally fermented tofu whey, a traditional Chinese tofu-coagulant. <i>Food Microbiology</i> , 2018, 76, 69-77.	2.1	55

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77	Diagnosis and Treatment of Undifferentiated and Infectious Acute Diarrhea in the Adult Horse. <i>Veterinary Clinics of North America Equine Practice</i> , 2018, 34, 39-53.	0.3	24
78	Exploration of the Fecal Microbiota and Biomarker Discovery in Equine Grass Sickness. <i>Journal of Proteome Research</i> , 2018, 17, 1120-1128.	1.8	18
79	Disorders of the Gastrointestinal System. , 2018, , 709-842.		16
80	Dysbiosis of the fecal microbiota in feedlot cattle with hemorrhagic diarrhea. <i>Microbial Pathogenesis</i> , 2018, 115, 123-130.	1.3	72
81	Comparison of the fecal microbiota of domestic commercial meat, laboratory, companion, and shelter rabbits (<i>Oryctolagus cuniculi</i>). <i>BMC Veterinary Research</i> , 2018, 14, 143.	0.7	22
82	Understanding the Intestinal Microbiome in Health and Disease. <i>Veterinary Clinics of North America Equine Practice</i> , 2018, 34, 1-12.	0.3	66
83	Probiotic Use in Equine Gastrointestinal Disease. <i>Veterinary Clinics of North America Equine Practice</i> , 2018, 34, 13-24.	0.3	21
84	Lower dietary concentrate level increases bacterial diversity in the rumen of <i>Cervus elaphus</i> <i></i> <i>yarkandensis</i>. <i>Canadian Journal of Microbiology</i> , 2018, 64, 501-509.	0.8	10
85	Equine faecal microbiota transplant: Current knowledge, proposed guidelines and future directions. <i>Equine Veterinary Education</i> , 2018, 30, 151-160.	0.3	29
86	Comparative analysis of gut bacterial communities of green turtles (<i>Chelonia mydas</i>) pre-hospitalization and post-rehabilitation by high-throughput sequencing of bacterial 16S rRNA gene. <i>Microbiological Research</i> , 2018, 207, 91-99.	2.5	45
87	Analysis of the mould microbiome and exogenous enzyme production in Moutai-flavor Daqu. <i>Journal of the Institute of Brewing</i> , 2018, 124, 91-99.	0.8	37
88	Gut Brain Axis and Its Microbiota Regulation in Mammals and Birds. <i>Veterinary Clinics of North America - Exotic Animal Practice</i> , 2018, 21, 159-167.	0.4	3
89	Comparison of Gut Microbial Diversity in Beijing Oil and Arbor Acres Chickens. <i>Brazilian Journal of Poultry Science</i> , 2018, 20, 37-44.	0.3	5
90	Managing acute colitis in the adult horse. <i>UK-Vet Equine</i> , 2018, 2, 174-180.	0.1	0
91	Use of next generation sequencing to investigate the microbiota of experimentally induced wounds and the effect of bandaging in horses. <i>PLoS ONE</i> , 2018, 13, e0206989.	1.1	14
92	Microbiome and Blood Analyte Differences Point to Community and Metabolic Signatures in Lean and Obese Horses. <i>Frontiers in Veterinary Science</i> , 2018, 5, 225.	0.9	55
93	Probiotic supplementation in trained trotter horses: effect on blood clinical pathology data and urine metabolomic assessed in field. <i>Journal of Applied Physiology</i> , 2018, 125, 654-660.	1.2	20
94	Characterization of the fecal microbiota of healthy horses. <i>American Journal of Veterinary Research</i> , 2018, 79, 811-819.	0.3	37

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95	Strongyle Infection and Gut Microbiota: Profiling of Resistant and Susceptible Horses Over a Grazing Season. <i>Frontiers in Physiology</i> , 2018, 9, 272.	1.3	53
96	The fecal bacterial microbiota of bats; Slovenia. <i>PLoS ONE</i> , 2018, 13, e0196728.	1.1	25
97	Comparison Between the Fecal Bacterial Microbiota of Healthy and Diarrheic Captive Musk Deer. <i>Frontiers in Microbiology</i> , 2018, 9, 300.	1.5	50
98	Differential effects of selective and non-selective cyclooxygenase inhibitors on fecal microbiota in adult horses. <i>PLoS ONE</i> , 2018, 13, e0202527.	1.1	20
99	A comparison of methanogens of different regions of the equine hindgut. <i>Anaerobe</i> , 2018, 54, 104-110.	1.0	12
100	Early colonisation and temporal dynamics of the gut microbial ecosystem in Standardbred foals. <i>Equine Veterinary Journal</i> , 2019, 51, 231-237.	0.9	44
101	Modification of the equine gastrointestinal microbiota by Jerusalem artichoke meal supplementation. <i>PLoS ONE</i> , 2019, 14, e0220553.	1.1	11
102	Dysbiosis associated with acute helminth infections in herbivorous youngstock – observations and implications. <i>Scientific Reports</i> , 2019, 9, 11121.	1.6	27
103	Unraveling the effects of the gut microbiota composition and function on horse endurance physiology. <i>Scientific Reports</i> , 2019, 9, 9620.	1.6	28
104	“Bowel on the Bench” Proof of Concept of a Three-Stage, In Vitro Fermentation Model of the Equine Large Intestine. <i>Applied and Environmental Microbiology</i> , 2019, 86, .	1.4	7
105	Longitudinal development of the gut microbiota in healthy and diarrheic piglets induced by age-related dietary changes. <i>MicrobiologyOpen</i> , 2019, 8, e923.	1.2	44
106	Reduced Gut Microbiome Diversity and Metabolome Differences in Rhinoceros Species at Risk for Iron Overload Disorder. <i>Frontiers in Microbiology</i> , 2019, 10, 2291.	1.5	26
107	Community Composition and Diversity of Intestinal Microbiota in Captive and Reintroduced Przewalski’s Horse (<i>Equus ferus przewalskii</i>). <i>Frontiers in Microbiology</i> , 2019, 10, 1821.	1.5	24
108	Expression of immune regulatory genes correlate with the abundance of specific Clostridiales and Verrucomicrobia species in the equine ileum and cecum. <i>Scientific Reports</i> , 2019, 9, 12674.	1.6	56
109	Impacts of novel duck reovirus infection on the composition of intestinal microbiota of Muscovy ducklings. <i>Microbial Pathogenesis</i> , 2019, 137, 103764.	1.3	13
110	Prevalence of <i>Clostridium difficile</i> and <i>Clostridium perfringens</i> in Swiss horses with and without gastrointestinal disease and microbiota composition in relation to <i>Clostridium difficile</i> shedding. <i>Veterinary Microbiology</i> , 2019, 239, 108433.	0.8	17
111	A comparison of dynamic distributions of intestinal microbiota between Large White and Chinese Shanxi Black pigs. <i>Archives of Microbiology</i> , 2019, 201, 357-367.	1.0	14
112	Methods and basic concepts for microbiota assessment. <i>Veterinary Journal</i> , 2019, 249, 10-15.	0.6	24

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113	Fecal microbiota of captive Antillean manatee <i>Trichechus manatus manatus</i> . FEMS Microbiology Letters, 2019, 366, .	0.7	10
114	Gut microbiome differences between wild and captive black rhinoceros – implications for rhino health. Scientific Reports, 2019, 9, 7570.	1.6	97
115	Analysis of Microbial Community Structure in Traditional and Automated Moutai-Flavor Daqu. Journal of the American Society of Brewing Chemists, 2019, 77, 140-146.	0.8	16
116	Utilizing the fecal microbiota to understand foal gut transitions from birth to weaning. PLoS ONE, 2019, 14, e0216211.	1.1	28
117	Removal of adult cyathostomins alters faecal microbiota and promotes an inflammatory phenotype in horses. International Journal for Parasitology, 2019, 49, 489-500.	1.3	35
118	Comparison of the gut microbiota composition between the wild and captive Tibetan wild ass (<i>Equus hemionus</i>). <i>Journal of Animal Ecology</i> , 2019, 88, 1141-1150.	1.4	41
120	Equine Fecal Microbiota Changes Associated With Anthelmintic Administration. Journal of Equine Veterinary Science, 2019, 77, 98-106.	0.4	27
121	Engineering the microbiome for animal health and conservation. Experimental Biology and Medicine, 2019, 244, 494-504.	1.1	65
122	Large Colon. , 2019, , 591-621.		9
123	The gut microbiome of horses: current research on equine enteral microbiota and future perspectives. Animal Microbiome, 2019, 1, 14.	1.5	61
124	Microbial diversity within the digestive tract contents of Dezhou donkeys. PLoS ONE, 2019, 14, e0226186.	1.1	26
125	Differences in the equine faecal microbiota between horses presenting to a tertiary referral hospital for colic compared with an elective surgical procedure. Equine Veterinary Journal, 2019, 51, 336-342.	0.9	42
126	Probiotics – Live Biotherapeutics: a Story of Success, Limitations, and Future Prospects – Not Only for Humans. Probiotics and Antimicrobial Proteins, 2020, 12, 1266-1289.	1.9	34
127	Culture-independent and dependent evaluation of the equine paranasal sinus microbiota in health and disease. Equine Veterinary Journal, 2020, 52, 455-463.	0.9	11
128	Interbreed diversity and temporal dynamics of the faecal microbiota in healthy horses. Journal of Animal Breeding and Genetics, 2020, 137, 103-120.	0.8	28
129	Potential TMA-Producing Bacteria Are Ubiquitously Found in Mammalia. Frontiers in Microbiology, 2019, 10, 2966.	1.5	71
130	Outbreak of acute larval cyathostominosis – A “perfect storm” of inflammation and dysbiosis. Equine Veterinary Journal, 2021, 53, 727-739.	0.9	22
131	Effects of long-distance transportation on blood constituents and composition of the nasal microbiota in healthy donkeys. BMC Veterinary Research, 2020, 16, 338.	0.7	5

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132	Psyllium supplementation is associated with changes in the fecal microbiota of horses. BMC Research Notes, 2020, 13, 459.	0.6	2
133	Inhibitory effect of Jangkanghwan (Korean traditional food) on experimental ulcerative colitis in mice. Journal of Food Biochemistry, 2020, 44, e13488.	1.2	9
134	Factors Influencing Equine Gut Microbiota: Current Knowledge. Journal of Equine Veterinary Science, 2020, 88, 102943.	0.4	74
135	Fecal Microbiota Characterization of Seychelles Giant Tortoises (<i>Aldabrachelys gigantea</i>) Living in Both Wild and Controlled Environments. Frontiers in Microbiology, 2020, 11, 569249.	1.5	12
136	Changes in the faecal bacterial microbiota during hospitalisation of horses with colic and the effect of different causes of colic. Equine Veterinary Journal, 2021, 53, 1119-1131.	0.9	15
137	Dysbiosis is not present in horses with fecal water syndrome when compared to controls in spring and autumn. Journal of Veterinary Internal Medicine, 2020, 34, 1614-1621.	0.6	6
138	The impact of anthelmintic treatment on gut bacterial and fungal communities in diagnosed parasite-free sika deer <i>Cervus nippon</i> . Applied Microbiology and Biotechnology, 2020, 104, 9239-9250.	1.7	11
139	Abrupt dietary changes between grass and hay alter faecal microbiota of ponies. PLoS ONE, 2020, 15, e0237869.	1.1	16
140	Luminal and Mucosal Microbiota of the Cecum and Large Colon of Healthy and Diarrheic Horses. Animals, 2020, 10, 1403.	1.0	25
141	Development of the equine hindgut microbiome in semi-feral and domestic conventionally-managed foals. Animal Microbiome, 2020, 2, 43.	1.5	5
142	The Composition and Predictive Function of the Fecal Microbiota Differ Between Young and Adult Donkeys. Frontiers in Microbiology, 2020, 11, 596394.	1.5	6
143	Enterocin M-Producing <i>Enterococcus faecium</i> CCM 8558 Demonstrating Probiotic Properties in Horses. Probiotics and Antimicrobial Proteins, 2020, 12, 1555-1561.	1.9	8
144	Priming for welfare: gut microbiota is associated with equitation conditions and behavior in horse athletes. Scientific Reports, 2020, 10, 8311.	1.6	42
145	Characterization and comparison of the bacterial microbiota in different gastrointestinal tract compartments of Mongolian horses. MicrobiologyOpen, 2020, 9, 1085-1101.	1.2	23
146	The fecal microbiota of healthy donor horses and geriatric recipients undergoing fecal microbial transplantation for the treatment of diarrhea. PLoS ONE, 2020, 15, e0230148.	1.1	38
147	Changes in the faecal microbiota of horses and ponies during a two-year body weight gain programme. PLoS ONE, 2020, 15, e0230015.	1.1	13
148	Multi-kingdom characterization of the core equine fecal microbiota based on multiple equine (sub)species. Animal Microbiome, 2020, 2, 6.	1.5	39
149	Seasonal Variation and Sexual Dimorphism of the Microbiota in Wild Blue Sheep (<i>Pseudois nayaur</i>). Frontiers in Microbiology, 2020, 11, 1260.	1.5	15

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150	The effect of supplementing pony diets with yeast on 2. The faecal microbiome. <i>Animal</i> , 2020, 14, 2493-2502.	1.3	5
151	Impact of Dietary Cellobiose on the Fecal Microbiota of Horses. <i>Journal of Equine Veterinary Science</i> , 2020, 91, 103106.	0.4	14
152	Domesticated equine species and their derived hybrids differ in their fecal microbiota. <i>Animal Microbiome</i> , 2020, 2, 8.	1.5	19
153	Identification of Gastrointestinal Microbiota in Hawaiian Green Turtles (<i>Chelonia mydas</i>). <i>Evolutionary Bioinformatics</i> , 2020, 16, 117693432091460.	0.6	19
154	PREVALENCE OF SALMONELLA SPECIES, CLOSTRIDIUM PERFRINGENS, AND CLOSTRIDIUM DIFFICILE IN THE FECES OF HEALTHY ELEPHANTS (LOXODONTA SPECIES AND ELEPHAS MAXIMUS) IN EUROPE. <i>Journal of Zoo and Wildlife Medicine</i> , 2021, 51, 752-760.	0.3	6
155	Effect of Intense Exercise on the Level of Bacteroidetes and Firmicutes Phyla in the Digestive System of Thoroughbred Racehorses. <i>Animals</i> , 2021, 11, 290.	1.0	7
156	Experimental crossover study on the effects of withholding feed for 24h on the equine faecal bacterial microbiota in healthy mares. <i>BMC Veterinary Research</i> , 2021, 17, 3.	0.7	3
157	Assessment of clinical and microbiota responses to fecal microbial transplantation in adult horses with diarrhea. <i>PLoS ONE</i> , 2021, 16, e0244381.	1.1	18
158	Faecal bacterial composition in horses with and without free faecal liquid: a case control study. <i>Scientific Reports</i> , 2021, 11, 4745.	1.6	4
159	The pelvic flexure separates distinct microbial communities in the equine hindgut. <i>Scientific Reports</i> , 2021, 11, 4332.	1.6	1
160	Comparison of Fecal Microbiota of Horses Suffering from Atypical Myopathy and Healthy Co-Grazers. <i>Animals</i> , 2021, 11, 506.	1.0	4
161	Impact of Ambient Temperature Sample Storage on the Equine Fecal Microbiota. <i>Animals</i> , 2021, 11, 819.	1.0	11
162	In Vitro Evaluation of the Effect of Storage at 20°C and Proximal Gastrointestinal Conditions on Viability of Equine Fecal Microbiota Transplant. <i>Journal of Equine Veterinary Science</i> , 2021, 98, 103360.	0.4	3
163	The Fecal Bacterial Microbiota in Horses with Equine Recurrent Uveitis. <i>Animals</i> , 2021, 11, 745.	1.0	6
164	The Microbiota of Three <i>Anopheles</i> Species in China. <i>Journal of the American Mosquito Control Association</i> , 2021, 37, 38-40.	0.2	4
165	How Can Nutrition Help with Gastrointestinal Tract-Based Issues?. <i>Veterinary Clinics of North America Equine Practice</i> , 2021, 37, 63-87.	0.3	5
166	Nutraceuticals Induced Changes in the Broiler Gastrointestinal Tract Microbiota. <i>MSystems</i> , 2021, 6, .	1.7	10
167	Hay versus haylage: Forage type influences the equine urinary metabonome and faecal microbiota. <i>Equine Veterinary Journal</i> , 2022, 54, 614-625.	0.9	5

#	ARTICLE	IF	CITATIONS
169	The Safety, Tolerability and Efficacy of Probiotic Bacteria for Equine Use. <i>Journal of Equine Veterinary Science</i> , 2021, 99, 103407.	0.4	9
170	<i>Tapirus bairdii</i> -Associated Fecal Microbiome from a Critical Conservation Area: Calakmul, MÃ©xico. <i>Current Microbiology</i> , 2021, 78, 2648-2659.	1.0	4
171	Diet, habitat environment and lifestyle conversion affect the gut microbiomes of giant pandas. <i>Science of the Total Environment</i> , 2021, 770, 145316.	3.9	27
172	Effects of Pasture Grass, Silage, and Hay Diet on Equine Fecal Microbiota. <i>Animals</i> , 2021, 11, 1330.	1.0	11
173	Effects of <i>Gasterophilus pecorum</i> infestation on the intestinal microbiota of the rewilded Przewalskiâ€™s horses in China. <i>PLoS ONE</i> , 2021, 16, e0251512.	1.1	8
174	Alterations in the Fecal Microbiome and Metabolome of Horses with Antimicrobial-Associated Diarrhea Compared to Antibiotic-Treated and Non-Treated Healthy Case Controls. <i>Animals</i> , 2021, 11, 1807.	1.0	20
175	Inflammation-Associated Microbiota Composition Across Domestic Animals. <i>Frontiers in Genetics</i> , 2021, 12, 649599.	1.1	9
176	Comparison of the Fecal Microbiota of Horses with Intestinal Disease and Their Healthy Counterparts. <i>Veterinary Sciences</i> , 2021, 8, 113.	0.6	12
177	The Equine Faecal Microbiota of Healthy Horses and Ponies in The Netherlands: Impact of Host and Environmental Factors. <i>Animals</i> , 2021, 11, 1762.	1.0	19
178	A Multiomic Approach to Investigate the Effects of a Weight Loss Program on the Intestinal Health of Overweight Horses. <i>Frontiers in Veterinary Science</i> , 2021, 8, 668120.	0.9	7
179	A Standard Scale to Measure Equine Keeper Status and the Effect of Metabolic Tendency on Gut Microbiome Structure. <i>Animals</i> , 2021, 11, 1975.	1.0	0
180	Transport stress affects the fecal microbiota in healthy donkeys. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 2449-2457.	0.6	10
181	The Effect of Ryegrass Silage Feeding on Equine Fecal Microbiota and Blood Metabolite Profile. <i>Frontiers in Microbiology</i> , 2021, 12, 715709.	1.5	0
182	Changes in the Fecal Microbiota Associated with a Broad-Spectrum Antimicrobial Administration in Hospitalized Neonatal Foals with Probiotics Supplementation. <i>Animals</i> , 2021, 11, 2283.	1.0	2
183	Seasonal Variation in the Faecal Microbiota of Mature Adult Horses Maintained on Pasture in New Zealand. <i>Animals</i> , 2021, 11, 2300.	1.0	5
184	Species-Level Gut Microbiota Analysis after Antibiotic-Induced Dysbiosis in Horses. <i>Animals</i> , 2021, 11, 2859.	1.0	7
185	Effects of steam-flaked grains on foalsâ€™ growth and faecal microbiota. <i>BMC Veterinary Research</i> , 2021, 17, 293.	0.7	1
186	Assessment on In Vitro Probiotic Attributes of <i>Lactobacillus plantarum</i> Isolated From Horse Feces. <i>Journal of Equine Veterinary Science</i> , 2021, 107, 103769.	0.4	6

#	ARTICLE	IF	CITATIONS
187	Resilience of Faecal Microbiota in Stabled Thoroughbred Horses Following Abrupt Dietary Transition between Freshly Cut Pasture and Three Forage-Based Diets. <i>Animals</i> , 2021, 11, 2611.	1.0	7
188	Free Faecal Water: Analysis of Horse Faecal Microbiota and the Impact of Faecal Microbial Transplantation on Symptom Severity. <i>Animals</i> , 2021, 11, 2776.	1.0	4
189	Gut Microbiota Manipulation in Foals – Naturopathic Diarrhea Management, or Unsubstantiated Folly?. <i>Pathogens</i> , 2021, 10, 1137.	1.2	2
190	Effect of an In Vitro Proximal Gastrointestinal Tract on Viability of Commercially Available Equine Probiotics. <i>Journal of Equine Veterinary Science</i> , 2021, 104, 103671.	0.4	2
191	Probiotic potential of <i>Lactobacillus</i> isolated from horses and its therapeutic effect on DSS-induced colitis in mice. <i>Microbial Pathogenesis</i> , 2022, 165, 105216.	1.3	17
192	Use of Antibiotics in Equines and Their Effect on Metabolic Health and Cecal Microflora Activities. <i>Journal of Equine Veterinary Science</i> , 2021, 105, 103717.	0.4	1
193	Microbial Variability of Commercial Equine Probiotics. <i>Journal of Equine Veterinary Science</i> , 2021, 106, 103728.	0.4	3
194	Farm Animals and Pets – Impact on Gut Microbiota. , 2021, , 125-125.		0
195	Comparison Between the Gut Microbiota in Different Gastrointestinal Segments of Large-Tailed Han and Small-Tailed Han Sheep Breeds with High-Throughput Sequencing. <i>Indian Journal of Microbiology</i> , 2020, 60, 436-450.	1.5	4
196	Fecal coagulase-negative staphylococci from horses, their species variability, and biofilm formation. <i>Folia Microbiologica</i> , 2019, 64, 719-726.	1.1	9
197	Effect of hay type on cecal and fecal microbiome and fermentation parameters in horses. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	15
199	Assessment of the effect and safety of salacinol in horses. <i>Journal of Equine Science</i> , 2019, 30, 105-111.	0.2	2
200	Strong Stability and Host Specific Bacterial Community in Faeces of Ponies. <i>PLoS ONE</i> , 2013, 8, e75079.	1.1	50
201	Identification of a Core Bacterial Community within the Large Intestine of the Horse. <i>PLoS ONE</i> , 2013, 8, e77660.	1.1	165
202	Characterisation of the Faecal Bacterial Community in Adult and Elderly Horses Fed a High Fibre, High Oil or High Starch Diet Using 454 Pyrosequencing. <i>PLoS ONE</i> , 2014, 9, e87424.	1.1	129
203	A Microbiological Map of the Healthy Equine Gastrointestinal Tract. <i>PLoS ONE</i> , 2016, 11, e0166523.	1.1	118
204	Intense Exercise and Aerobic Conditioning Associated with Chromium or L-Carnitine Supplementation Modified the Fecal Microbiota of Fillies. <i>PLoS ONE</i> , 2016, 11, e0167108.	1.1	24
205	Different antibiotic growth promoters induce specific changes in the cecal microbiota membership of broiler chicken. <i>PLoS ONE</i> , 2017, 12, e0171642.	1.1	128

#	ARTICLE	IF	CITATIONS
206	Rapid regrowth and detection of microbial contaminants in equine fecal microbiome samples. PLoS ONE, 2017, 12, e0187044.	1.1	21
207	The cecal and fecal microbiomes and metabolomes of horses before and after metronidazole administration. PLoS ONE, 2020, 15, e0232905.	1.1	29
208	Characterisation and comparison of the mucosa-associated bacterial communities across the gastrointestinal tract of stranded green turtles, <i>Chelonia mydas</i> . AIMS Microbiology, 2020, 6, 361-378.	1.0	7
209	Comparative study of gut microbiota in Tibetan wild asses (<i>Equus kiang</i>) and domestic donkeys (<i>Equus asinus</i>) on the Qinghai-Tibet plateau. PeerJ, 2020, 8, e9032.	0.9	20
210	Terrestrial Vertebrate Animal Metagenomics, Wild Ruminants. , 2013, , 1-10.		0
212	Gut microbiota of the scimitar-horned oryx, <i>Oryx dammah</i> . Folia Zoologica, 2019, 68, 269.	0.9	1
213	The gut microbiota in the common kestrel (<i>Falco tinnunculus</i>): a report from the Beijing Raptor Rescue Center. PeerJ, 2020, 8, e9970.	0.9	9
214	Fecal microbiome responses to sudden diet change in Mangalarga Marchador horses. Journal of Equine Veterinary Science, 2021, 108, 103803.	0.4	1
216	Modeling a Superorganism - Considerations Regarding the Use of "Dirty" Mice in Biomedical Research. Yale Journal of Biology and Medicine, 2017, 90, 361-371.	0.2	10
217	Evaluation of changes in microbiota after fecal microbiota transplantation in 6 diarrheic horses. Canadian Veterinary Journal, 2021, 62, 1123-1130.	0.0	2
219	Habitats Show More Impacts Than Host Species in Shaping Gut Microbiota of Sympatric Rodent Species in a Fragmented Forest. Frontiers in Microbiology, 2022, 13, 811990.	1.5	4
220	ADDAGMA: A database for domestic animal gut microbiome atlas. Computational and Structural Biotechnology Journal, 2022, 20, 891-898.	1.9	10
221	Simultaneous Daily Fecal Microbiota Transplantation Fails to Prevent Metronidazole-Induced Dysbiosis of Equine Gut Microbiota. SSRN Electronic Journal, 0, , .	0.4	0
222	Gut Microbiome Characteristics in feral and domesticated horses from different geographic locations. Communications Biology, 2022, 5, 172.	2.0	20
223	Characterisation of faecal microbiota in horses medicated with oral doxycycline hyclate. Equine Veterinary Journal, 2023, 55, 129-141.	0.9	3
224	Effects of <i>Saccharomyces cerevisiae</i> var. <i>boulardii</i> on growth, incidence of diarrhea, serum immunoglobulins, and rectal microbiota of suckling dairy calves. Livestock Science, 2022, 258, 104875.	0.6	7
225	Effects of Maternal Factors and Postpartum Environment on Early Colonization of Intestinal Microbiota in Piglets. Frontiers in Veterinary Science, 2022, 9, 815944.	0.9	0
226	Clinical health issues, reproductive hormones, and metabolic hormones associated with gut microbiome structure in African and Asian elephants. Animal Microbiome, 2021, 3, 85.	1.5	19

#	ARTICLE	IF	CITATIONS
227	Molecular Identification of Infectious Enteropathogens in Faeces of Healthy Horses. <i>Microbiology Insights</i> , 2022, 15, 117863612210890.	0.9	2
228	Metagenomic investigation of the equine faecal microbiome reveals extensive taxonomic diversity. <i>PeerJ</i> , 2022, 10, e13084.	0.9	18
229	Effects of Intravenous Antimicrobial Drugs on the Equine Fecal Microbiome. <i>Animals</i> , 2022, 12, 1013.	1.0	10
264	Changes in the gut microbiome and colic in horses, are they cause or consequence?. <i>Open Veterinary Journal</i> , 2022, 12, 242.	0.3	5
265	Changes in the Diversity and Composition of Gut Microbiota of Red-Crowned Cranes (<i>Grus japonensis</i>) after Avian Influenza Vaccine and Anthelmintic Treatment. <i>Animals</i> , 2022, 12, 1183.	1.0	4
266	Simultaneous Daily Fecal Microbiota Transplantation Fails to Prevent Metronidazole-Induced Dysbiosis of Equine Gut Microbiota. <i>Journal of Equine Veterinary Science</i> , 2022, 114, 104004.	0.4	2
267	Comparison of the Fecal Bacterial Microbiota between Healthy and Diarrheic Donkey Foals. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
268	A high-throughput DNA sequencing study of fecal bacteria of seven Mexican horse breeds. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	1
269	Equine Probiotics-What Are They, Where Are We and Where Do We Need To Go?. <i>Journal of Equine Veterinary Science</i> , 2022, 115, 104037.	0.4	1
270	Biomarkers for monitoring the equine large intestinal inflammatory response to stress-induced dysbiosis and probiotic supplementation. <i>Journal of Animal Science</i> , 0, , .	0.2	1
271	Impacts of Gut Microbiota on the Immune System and Fecal Microbiota Transplantation as a Re-Emerging Therapy for Autoimmune Diseases. <i>Antibiotics</i> , 2022, 11, 1093.	1.5	4
272	Fecal Microbiota Comparison Between Healthy Teaching Horses and Client-Owned Horses. <i>Journal of Equine Veterinary Science</i> , 2022, 118, 104105.	0.4	2
274	Rice bran in old horse's nutrition and their influence on condition, blood biochemical parameters, total feces bacteria and methanogen population. <i>Annals of Animal Science</i> , 2022, .	0.6	0
275	Fecal microbiota of horses with colitis and its association with laminitis and survival during hospitalization. <i>Journal of Veterinary Internal Medicine</i> , 2022, 36, 2213-2223.	0.6	11
276	Effects of different grains on bacterial diversity and enzyme activity associated with digestion of starch in the foal stomach. <i>BMC Veterinary Research</i> , 2022, 18, .	0.7	2
277	Homeostasis of the Intestinal Mucosa in Healthy Horses' Correlation between the Fecal Microbiome, Secretory Immunoglobulin A and Fecal Egg Count. <i>Animals</i> , 2022, 12, 3094.	1.0	1
278	The microbial community associated with <i>Parascaris</i> spp. infecting juvenile horses. <i>Parasites and Vectors</i> , 2022, 15, .	1.0	2
279	Integrated multi-omics reveals novel microbe-host lipid metabolism and immune interactions in the donkey hindgut. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3

#	ARTICLE	IF	CITATIONS
280	Fecal and cloacal microbiomes of cold-stunned loggerhead <i>Caretta caretta</i> , Kemp's ridley <i>Lepidochelys kempii</i> , and green sea turtles <i>Chelonia mydas</i> . <i>Endangered Species Research</i> , 0, , .	1.2	0
281	The fecal bacterial microbiota of healthy and sick newborn foals. <i>Journal of Veterinary Internal Medicine</i> , 2023, 37, 315-322.	0.6	2
282	Gastro-Intestinal Microbiota in Equines and Its Role in Health and Disease: The Black Box Opens. <i>Microorganisms</i> , 2022, 10, 2517.	1.6	10
283	Expanded catalogue of metagenome-assembled genomes reveals resistome characteristics and athletic performance-associated microbes in horse. <i>Microbiome</i> , 2023, 11, .	4.9	8
284	Multidose misoprostol pharmacokinetics and its effect on the fecal microbiome in healthy, adult horses. <i>American Journal of Veterinary Research</i> , 2023, , 1-10.	0.3	0
285	Results of a Clinical Trial Showing Changes to the Faecal Microbiome in Racing Thoroughbreds after Feeding a Nutritional Supplement. <i>Veterinary Sciences</i> , 2023, 10, 27.	0.6	1
286	Health-Promoting Potential of Millet: A Review. <i>Separations</i> , 2023, 10, 80.	1.1	6
287	The influence of a probiotic/prebiotic supplement on microbial and metabolic parameters of equine cecal fluid or fecal slurry in vitro. <i>Journal of Animal Science</i> , 2023, 101, .	0.2	3
288	Growth Stages and Inter-Species Gut Microbiota Composition and Function in Captive Red Deer (<i>Cervus elaphus alxaiicus</i>) and Blue Sheep (<i>Pseudois nayaur</i>). <i>Animals</i> , 2023, 13, 553.	1.0	3
289	Serum amyloid A does not predict non-survival in hospitalised adult horses with acute colitis. <i>Veterinary Record</i> , 2023, 192, .	0.2	2
290	Longitudinal study of the short- and long-term effects of hospitalisation and oral trimethoprim-sulfadiazine administration on the equine faecal microbiome and resistome. <i>Microbiome</i> , 2023, 11, .	4.9	3
291	Risk factors associated with an outbreak of equine coronavirus at a large farm in North Carolina. <i>Frontiers in Veterinary Science</i> , 0, 10, .	0.9	1
292	<i>Enterococcus moraviensis</i> EMo 1-1Nik of horse origin: characteristics and potential bacteriocin-producing strain. <i>Veterinary Research Communications</i> , 2023, 47, 1471-1478.	0.6	0
293	Direct and culture-enriched 16S rRNA sequencing of cecal content of healthy horses and horses with typhlocolitis. <i>PLoS ONE</i> , 2023, 18, e0284193.	1.1	2
294	A Systematic Review of Current Applications of Fecal Microbiota Transplantation in Horses. <i>Veterinary Sciences</i> , 2023, 10, 290.	0.6	1