

◆検出細菌種の分類および最近縁種

ASV ID	Feature ID	Confidence	ASV分類							配列	配列長(bp)	検出リード数										検出割合					相同性検索結果 (16S_ribosomal_RNA Database)				相同性検索結果 (nt_prok Database)			
			界	門	綱	目	科	属	微生物製剤①			微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤⑦	微生物製剤⑧	微生物製剤⑨	微生物製剤⑩	微生物製剤⑪	微生物製剤⑫	微生物製剤⑬	微生物製剤⑭	微生物製剤⑮	登録番号	相同性(%)	一致リード数/検出リード数(bp)	最近縁種 (Top Hit)	登録番号	相同性(%)	一致リード数/検出リード数(bp)	最近縁種 (Top Hit)	
ASV0001	000c45d5f	0.801426	Bacteria	Proteobac	Alphaprote	Sphingomona	Sphingom	Altereryth	TACGGAG	253	0	0	7	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_157782.1	100	253/253	Alteriqpengyl	FN397673.1	100	253/253	Blastomonas sp. AMV5 partial 16S rRNA gene, strain AMV5			
ASV0002	00434dda	0.999934	Bacteria	NB1-j	NB1-j	NB1-j	NB1-j	NB1-j	TACGGAG	253	0	0	49	0	0	0	0	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	NR_044523.1	90.476	228/252	Phaselicystis	GU271652.1	95.652	242/253	Uncultured Bacillus sp. clone 4_45 16S ribosomal RNA gene, partia			
ASV0003	0074e3b2	0.999992	Bacteria	Chloroflex	Anaeroline	SBR1031	A4b	A4b	AACGTAG	253	0	0	32	0	0	0	0	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	NR_181001.1	85.098	219/255	Phototrophic	GU326810.1	100	253/253	Uncultured marine bacterium clone SiDSep07M147 16S ribosomal			
ASV0004	00ae5c766	0.831981	Bacteria	Proteobac	Alphaprote	Rhodospirilla	uncultured	uncultured	TACGAAG	253	0	0	15	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_042646.1	89.804	229/255	Kiloniella lam	MG801780.1	91.304	231/253	Uncultured Rickettsiales bacterium clone 3d_72073 16S ribosomal			
ASV0005	00c210a0	1	Archaea	Euryarcha	Methanob	Methanobact	Methanob	Methanob	CACCGGC	254	0	0	0	0	0	10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_115811.1	100	254/254	Methanobacte	JN020913.1	100	254/254	Methanobacterium sp. GRAU-8 16S ribosomal RNA gene, partial se			
ASV0006	00dfca212	0.920045	Bacteria	Planctomy	Planctomy	Pirellulales	Pirellulace	Pirellulace	CACGAAC	253	0	0	100	0	0	0	0	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	NR_173563.1	92.885	235/253	Pirellulimonas	LC071271.1	98.419	249/253	Uncultured Planctomycetia bacterium gene for 16S ribosomal RNA			
ASV0007	00f22fe0a	0.834502	Bacteria	Proteobac	Alphaprote	Rhizobiales	Xanthobac	Pseudorhd	TACGAAG	253	0	0	220	0	0	0	0	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	NR_145909.1	98.814	250/253	Pseudorhodod	JF986069.1	100	253/253	Uncultured proteobacterium clone Upland_16_5367 16S ribosomal			
ASV0008	011862862	0.999995	Bacteria	Bacteroid	Bacteroidi	Sphingobacte	Sphingoba	Sphingoba	TACGGAG	253	0	0	0	0	0	9	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_108120.1	98.024	248/253	Sphingobacte	OM142549.1	99.209	251/253	Sphingobacterium sp. strain DGG12 16S ribosomal RNA gene, parti			
ASV0009	014eeebb	0.981263	Bacteria	Actinobac	Actinobac	Micrococcale	Microbact	Pseudocla	TACGTAG	253	0	0	0	0	0	7	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_109073.1	100	253/253	Pseudoclavibe	NR_109073.1	100	253/253	Pseudoclavibacter caeni strain MJ28 16S ribosomal RNA, partial se			
ASV0010	0157856d	0.902924	Bacteria	Actinobac	Acidimicro	Microtrichale	Microtrich	Sva0996_r	CACGTAG	254	0	0	20	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_171428.1	96.063	244/254	Actinomarinic	GU230449.1	99.213	252/254	Uncultured actinobacterium clone ARTE12_222 16S ribosomal RNA			
ASV0011	01922d744	0.911083	Bacteria	Planctomy	Planctomy	Isosphaerales	Isosphaera	uncultured	GACGAAC	254	0	0	106	0	0	0	0	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	NR_122081.1	92.969	238/256	Aquisphaera g	LR970399.1	94.922	243/256	uncultured Planctomycetaceae partial 16S rRNA gene			
ASV0012	019a8e93c	0.999999	Bacteria	Proteobac	Alphaprote	Reyraneliales	Reyranelle	uncultured	GACGAAG	253	0	0	5	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_180403.1	92.885	235/253	Vineibacter te	MW336926.1	100	253/253	Uncultured Rhodospirillales bacterium clone Otu1792 16S ribosom			
ASV0013	01a01681b	0.999941	Bacteria	Proteobac	Alphaprote	Kiloniellales	Fodinicurv	uncultured	TACGAAG	253	0	418	0	0	0	0	0	0.00%	0.16%	0.00%	0.00%	0.00%	0.00%	NR_158148.1	91.732	233/254	Marivibrio hal	MG801737.1	96.838	245/253	Uncultured Kiloniellales bacterium clone 3b_93148 16S ribosomal f			
ASV0014	01aae761a	0.94499	Bacteria	Chloroflex	N9D0	N9D0	N9D0	N9D0	TACGTAG	253	0	0	10	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_180716.1	85.714	216/252	Tepidiforma b	OW750711.1	94.466	239/253	uncultured Chloroflexi bacterium DNA containing 16S-23S intergen			
ASV0015	01ec69b93	1	Bacteria	Proteobac	Alphaprote	Rhodospirilla	Rhodospir	uncultured	TACGAAG	253	0	0	62	0	0	0	0	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	NR_044175.1	90.272	232/257	Cucumbacter	EF073383.1	99.605	252/253	Uncultured alpha proteobacterium clone GASP-WB1S2_A10 16S ril			
ASV0016	027a87edc	0.832126	Bacteria	Proteobac	Alphaprote	Acetobacteria	Acetobact	Acetobact	TACGAAG	253	4	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_118170.1	100	253/253	Acetobacter p	GQ332261.1	100	253/253	Uncultured Acetobacter sp. clone V45 16S ribosomal RNA gene, pa			
ASV0017	028222fbc	0.761396	Bacteria	Firmicutes	Bacilli	Paenibacillal	Paenibacil	Paenibacil	TACGTAG	252	0	19	0	0	0	0	0	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	NR_024752.1	94.882	241/254	Paenibacillus	OP915511.1	100	250/250	Uncultured Paenibacillus sp. clone New.CleanUp.ReferenceOTU16			
ASV0018	029c5ec8f	0.735743	Bacteria	Proteobac	Alphaprote	Rhodobactera	Rhodobacteraceae		TACGGAG	253	0	0	12	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_118031.1	97.233	246/253	Meinhardsimc	OW761203.1	98.419	249/253	Alphaproteobacteria bacterium DNA containing 16S-23S intergenic			
ASV0019	02b2a289	0.999986	Bacteria	Planctomy	Phycispha	Phycisphaera	Phycispha	SM1A02	TACGAA	253	0	0	8	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	NR_180448.1	80.4	201/250	Mucisphaera	KP988937.1	92.095	233/253	Uncultured Phycisphaerales bacterium clone MESOT266 16S ribos			
ASV0020	02dd75f97	0.999999	Bacteria	Proteobac	Alphaprote	Rhizobiales	Xanthobacteraceae		TACGAAG	253	0	0	38	0	0	0	0	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	NR_113665.1	100	253/253	Xanthobacter	AB636292.1	100	253/253	Xanthobacter sp. NL127 gene for 16S rRNA, partial sequence			
ASV0021	031be449e	0.830196	Bacteria	Acidobact	Blastocate	Blastocatella	Blastocate	Blastocate	TACGTAG	253	0	0	46	0	0	0	0	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	NR_151987.1	92.8	232/250	Brevitalea aric	GU271580.1	95.257	241/253	Uncultured Clostridium sp. clone 1_118 16S ribosomal RNA gene, p			
ASV0022	03599cdda	1	Bacteria	Dadabact	Dadabact	Dadabacteria	Dadabact	Dadabact	TACGGAG	253	0	2,868	0	0	0	0	0	0.00%	1.08%	0.00%	0.00%	0.00%	0.00%	NR_173516.1	84.064	211/251	Stagnimonas	AB491166.1	100	253/253	Bacterium Kaz2 gene for 16S rRNA, partial sequence			

SAMPLE

◆界での分類

	検出リード数						検出割合					
	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥
Bacteria	156,989	263,360	359,553	152,400	277,162	210,351	99.99%	99.20%	80.99%	99.92%	100.00%	100.00%
Archaea	11	2,126	84,394	125	2	10	0.01%	0.80%	19.01%	0.08%	0.00%	0.00%
Total	157,000	265,486	443,947	152,525	277,164	210,361	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

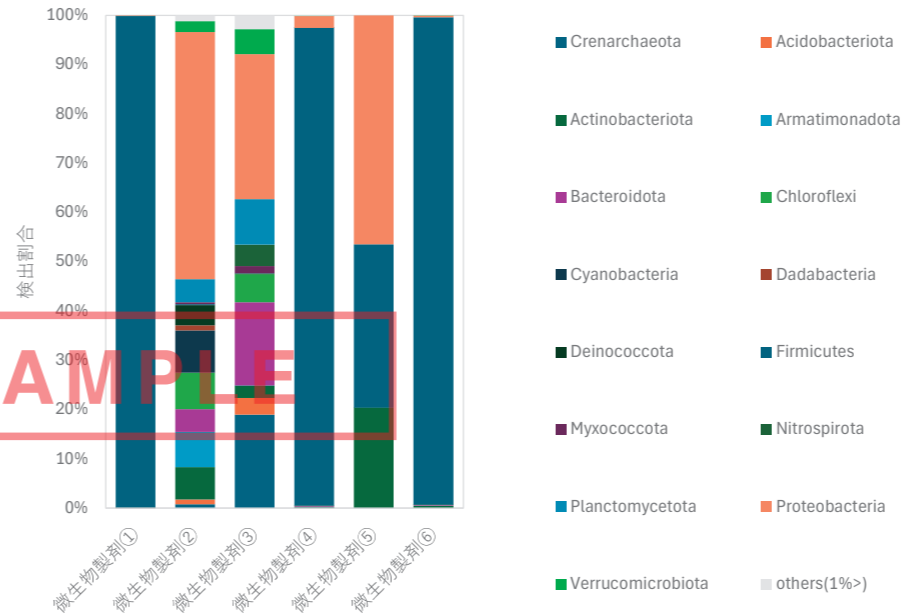
	ASV数					
	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥
Bacteria	50	287	1,046	222	66	126
Archaea	2	2	17	11	1	1
Total	52	289	1,063	233	67	127

SAMPLE

◆門での分類

	検出リード数						検出割合					
	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥
Bacteria;Firmicutes	156,618	460	242	147,868	91,780	207,898	99.76%	0.17%	0.05%	96.95%	33.11%	98.83%
Bacteria;Proteobacteria	234	133,041	130,701	3,651	128,822	814	0.15%	50.11%	29.44%	2.39%	46.48%	0.39%
Bacteria;Actinobacteriota	49	17,468	11,195	216	56,552	1,096	0.03%	6.58%	2.52%	0.14%	20.40%	0.52%
Archaea;Crenarchaeota	5	2,119	84,340	26	2	0	0.00%	0.80%	19.00%	0.02%	0.00%	0.00%
Bacteria;Bacteroidota	23	12,306	75,023	312	0	345	0.01%	4.64%	16.90%	0.20%	0.00%	0.16%
Bacteria;Planctomycetota	8	12,578	40,979	12	0	37	0.01%	4.74%	9.23%	0.01%	0.00%	0.02%
Bacteria;Cyanobacteria	21	22,694	37	39	3	7	0.01%	8.55%	0.01%	0.03%	0.00%	0.00%
Bacteria;Chloroflexi	7	19,644	25,266	122	2	109	0.00%	7.40%	5.69%	0.08%	0.00%	0.05%
Bacteria;Armatimonadota	7	18,909	206	14	3	0	0.00%	7.12%	0.05%	0.01%	0.00%	0.00%
Bacteria;Verrucomicrobiota	0	5,890	22,659	33	0	9	0.00%	2.22%	5.10%	0.02%	0.00%	0.00%
Bacteria;Nitrospirota	4	0	19,115	4	0	0	0.00%	0.00%	4.31%	0.00%	0.00%	0.00%
Bacteria;Deinococcota	5	10,880	162	3	0	15	0.00%	4.10%	0.04%	0.00%	0.00%	0.01%
Bacteria;Acidobacteriota	10	2,568	14,859	38	0	8	0.01%	0.97%	3.35%	0.02%	0.00%	0.00%
Bacteria;Myxococcota	0	929	6,506	8	0	0	0.00%	0.35%	1.47%	0.01%	0.00%	0.00%
Bacteria;Dadabacteria	0	2,870	321	0	0	0	0.00%	1.08%	0.07%	0.00%	0.00%	0.00%
Bacteria;Gemmatimonadota	0	2,439	2,773	11	0	0	0.00%	0.92%	0.62%	0.01%	0.00%	0.00%
Bacteria;Patescibacteria	0	2	3,200	11	0	5	0.00%	0.00%	0.72%	0.01%	0.00%	0.00%
Bacteria;Desulfobacterota	0	0	1,665	0	0	0	0.00%	0.00%	0.38%	0.00%	0.00%	0.00%
Bacteria;NB1-j	0	0	1,069	0	0	0	0.00%	0.00%	0.24%	0.00%	0.00%	0.00%
Bacteria;Calditrichota	0	0	879	0	0	0	0.00%	0.00%	0.20%	0.00%	0.00%	0.00%
Bacteria;Spirochaetota	0	3	875	25	0	0	0.00%	0.00%	0.20%	0.02%	0.00%	0.00%
Bacteria;Bdellovibrionota	0	408	644	0	0	0	0.00%	0.15%	0.15%	0.00%	0.00%	0.00%
Bacteria;Dependentiae	0	269	140	0	0	0	0.00%	0.10%	0.03%	0.00%	0.00%	0.00%
Bacteria;Latescibacterota	0	0	424	0	0	0	0.00%	0.00%	0.10%	0.00%	0.00%	0.00%
Archaea;Halobacterota	0	0	7	97	0	0	0.00%	0.00%	0.00%	0.06%	0.00%	0.00%
Bacteria;Zixibacteria	0	0	259	0	0	0	0.00%	0.00%	0.06%	0.00%	0.00%	0.00%
Bacteria;Sumerlaeota	0	0	124	0	0	0	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%
Bacteria;Hydrogenedentes	0	0	93	0	0	0	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%
Bacteria;MBNT15	0	0	65	0	0	0	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
Archaea;Nanoarchaeota	0	0	41	0	0	0	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
Bacteria;Cloacimonadota	0	0	0	13	0	0	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%
Bacteria;Fusobacteriota	0	0	0	10	0	0	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%
Bacteria;LCP-89	0	0	29	0	0	0	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
Bacteria;Campylobacterota	3	2	0	8	0	0	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%
Archaea;Euryarchaeota	6	7	3	2	0	10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteria;WS2	0	0	11	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteria;FCPU426	0	0	11	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteria;Thermotogota	0	0	0	0	0	5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteria;Entotheonellaeota	0	0	8	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteria;PAUC34f	0	0	7	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteria;Synergistota	0	0	0	0	0	3	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteria;SAR324_clade(Marine_group_B)	0	0	6	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bacteria;WS4	0	0	0	2	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Archaea;Thermoplasmatota	0	0	3	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

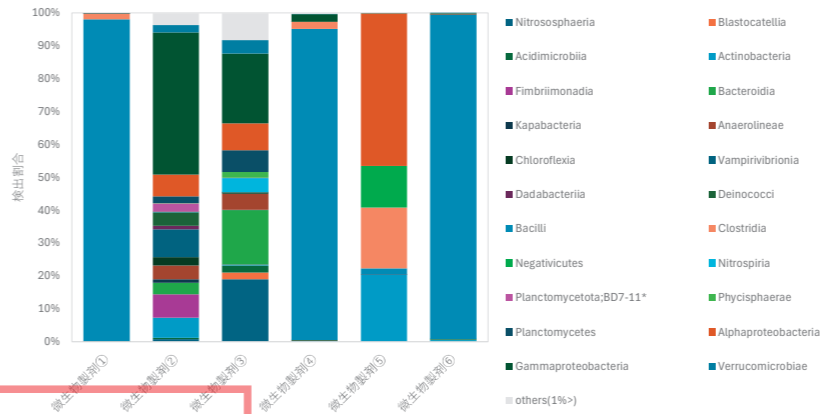
界	門	検出リード数						検出割合					
		微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥
Archaea	Crenarchaeota	5	2,119	84,340	26	2	0	0.00%	0.80%	19.00%	0.02%	0.00%	0.00%
Bacteria	Acidobacteriota	10	2,568	14,859	38	0	8	0.01%	0.97%	3.35%	0.02%	0.00%	0.00%
Bacteria	Actinobacteriota	49	17,468	11,195	216	56,552	1,096	0.03%	6.58%	2.52%	0.14%	20.40%	0.52%
Bacteria	Armatimonadota	7	18,909	206	14	3	0	0.00%	7.12%	0.05%	0.01%	0.00%	0.00%
Bacteria	Bacteroidota	23	12,306	75,023	312	0	345	0.01%	4.64%	16.90%	0.20%	0.00%	0.16%
Bacteria	Chloroflexi	7	19,644	25,266	122	2	109	0.00%	7.40%	5.69%	0.08%	0.00%	0.05%
Bacteria	Cyanobacteria	21	22,694	37	39	3	7	0.01%	8.55%	0.01%	0.03%	0.00%	0.00%
Bacteria	Dadabacteria	0	2,870	321	0	0	0	0.00%	1.08%	0.07%	0.00%	0.00%	0.00%
Bacteria	Deinococcota	5	10,880	162	3	0	15	0.00%	4.10%	0.04%	0.00%	0.00%	0.01%
Bacteria	Firmicutes	156,618	460	242	147,868	91,780	207,898	99.76%	0.17%	0.05%	96.95%	33.11%	98.83%
Bacteria	Myxococcota	0	929	6,506	8	0	0	0.00%	0.35%	1.47%	0.01%	0.00%	0.00%
Bacteria	Nitrospirota	4	0	19,115	4	0	0	0.00%	0.00%	4.31%	0.00%	0.00%	0.00%
Bacteria	Planctomycetota	8	12,578	40,979	12	0	37	0.01%	4.74%	9.23%	0.01%	0.00%	0.02%
Bacteria	Proteobacteria	234	133,041	130,701	3,651	128,822	814	0.15%	50.11%	29.44%	2.39%	46.48%	0.39%
Bacteria	Verrucomicrobiota	0	5,890	22,659	33	0	9	0.00%	2.22%	5.10%	0.02%	0.00%	0.00%
	others(1%)	9	3,130	12,336	179	0	23	0.01%	1.18%	2.78%	0.12%	0.00%	0.01%
	Total	157,000	265,486	443,947	152,525	277,164	210,361	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%



◆種での分類	検出リード数						検出割合					
	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥
Bacteria;Firmicutes;Bacilli	153,926	328	211	144,557	5,226	207,871	98.04%	0.12%	0.05%	94.78%	1.89%	98.82%
Bacteria;Proteobacteria;Alphaproteobacteria	111	17,534	36,273	180	128,441	181	0.07%	6.60%	8.17%	0.12%	46.34%	0.09%
Bacteria;Proteobacteria;Gammaproteobacteria	123	114,869	94,425	3,471	381	633	0.08%	43.27%	21.27%	2.28%	0.14%	0.30%
Bacteria;Actinobacteria;Actinobacteria	49	16,102	1,500	213	56,552	1,088	0.03%	6.07%	0.34%	0.14%	20.40%	0.52%
Archaea;Crenarchaeota;Nitrososphaeria	5	2,119	84,340	21	2	0	0.00%	0.80%	19.00%	0.01%	0.00%	0.00%
Bacteria;Firmicutes;Clostridia	2,660	7	28	3,148	51,339	10	1.69%	0.00%	0.01%	2.06%	18.52%	0.00%
Bacteria;Bacteroidota;Bacteroidia	10	9,280	73,245	312	0	345	0.01%	3.50%	16.50%	0.20%	0.00%	0.16%
Bacteria;Firmicutes;Negativicutes	15	2	3	23	35,212	0	0.01%	0.00%	0.00%	0.02%	12.70%	0.00%
Bacteria;Cyanobacteria;Vampirivibrionia	21	22,694	37	19	3	7	0.01%	8.55%	0.01%	0.01%	0.00%	0.00%
Bacteria;Armatimonadota;Fimbrimonadina	7	18,909	25	3	3	0	0.00%	7.12%	0.01%	0.00%	0.00%	0.00%
Bacteria;Planctomycetota;Planctomycetes	3	5,520	29,208	5	0	37	0.00%	2.08%	6.58%	0.00%	0.00%	0.02%
Bacteria;Chloroflexi;Anaerolineae	3	10,931	21,458	64	0	0	0.00%	4.12%	4.83%	0.04%	0.00%	0.00%
Bacteria;Nitrospirota;Nitrospiria	4	0	19,115	0.00%	0.00%	0.00%	0.00%	0.00%	4.31%	0.00%	0.00%	0.00%
Bacteria;Verrucomicrobiota;Verrucomicrobiae	0	5,890	18,290	33	0	9	0.00%	2.22%	4.12%	0.02%	0.00%	0.00%
Bacteria;Deinococcota;Deinococci	5	10,880	162	3	0	15	0.00%	4.10%	0.04%	0.00%	0.00%	0.01%
Bacteria;Planctomycetota;BD7-11	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria;Chloroflexi;Chloroflexia	4	6,693	1,579	47	2	109	0.00%	2.52%	0.36%	0.03%	0.00%	0.05%
Bacteria;Actinobacteria;Acidimicrobia	0	1,100	9,274	0	0	8	0.00%	0.41%	2.09%	0.00%	0.00%	0.00%
Bacteria;Acidobacteria;Blastocatellia	8	0	9,239	2	0	0	0.01%	0.00%	2.08%	0.00%	0.00%	0.00%
Bacteria;Planctomycetota;Phycisphaerae	0	186	7,986	7	0	0	0.00%	0.07%	1.80%	0.00%	0.00%	0.00%
Bacteria;Bacteroidota;Kapabacteria	0	3,026	668	0	0	0	0.00%	1.14%	0.15%	0.00%	0.00%	0.00%
Bacteria;Dadabacteria;Dadabacteria	0	2,870	321	0	0	0	0.00%	1.08%	0.07%	0.00%	0.00%	0.00%
Bacteria;Verrucomicrobiota;Chlamydiae	0	0	4,364	0	0	0	0.00%	0.00%	0.98%	0.00%	0.00%	0.00%
Bacteria;Acidobacteria;Vicinamibacteria	2	2,517	442	13	0	8	0.00%	0.95%	0.10%	0.01%	0.00%	0.00%
Bacteria;Myxococcota;Polyangia	0	925	4,018	2	0	0	0.00%	0.35%	0.91%	0.00%	0.00%	0.00%
Bacteria;Acidobacteria;Acidobacteriae	0	51	3,768	23	0	0	0.00%	0.02%	0.85%	0.02%	0.00%	0.00%
Bacteria;Patescibacteria;Saccharimonadia	0	0	3,029	0	0	5	0.00%	0.00%	0.68%	0.00%	0.00%	0.00%
Bacteria;Gemmatimonadota;Gemmatimonadetes	0	1,402	2,638	0	0	0	0.00%	0.53%	0.59%	0.00%	0.00%	0.00%
Bacteria;Myxococcota;Myxococcia	0	4	2,488	6	0	0	0.00%	0.00%	0.56%	0.00%	0.00%	0.00%
Bacteria;Chloroflexi;JG30-KF-CM66	0	1,256	637	0	0	0	0.00%	0.47%	0.14%	0.00%	0.00%	0.00%
Bacteria;Planctomycetota;OM190	0	0	1,810	0	0	0	0.00%	0.00%	0.41%	0.00%	0.00%	0.00%
Bacteria;Gemmatimonadota;S0134_terrestrial_group	0	1,005	0	6	0	0	0.00%	0.38%	0.00%	0.00%	0.00%	0.00%
Bacteria;Planctomycetota;Pla4_lineage	0	0	1,512	0	0	0	0.00%	0.00%	0.34%	0.00%	0.00%	0.00%
Bacteria;Chloroflexi;OLB14	0	712	1,323	0	0	0	0.00%	0.27%	0.30%	0.00%	0.00%	0.00%
Bacteria;Desulfobacterota;uncultured	0	0	1,226	0	0	0	0.00%	0.00%	0.28%	0.00%	0.00%	0.00%
Bacteria;NB1-j;NB1-j	0	0	1,069	0	0	0	0.00%	0.00%	0.24%	0.00%	0.00%	0.00%
Bacteria;Proteobacteria;	0	638	3	0	0	0	0.00%	0.24%	0.00%	0.00%	0.00%	0.00%
Bacteria;Acidobacteria;Subgroup_22	0	0	894	0	0	0	0.00%	0.00%	0.20%	0.00%	0.00%	0.00%
Bacteria;Bacteroidota;Rhodothermia	0	0	888	0	0	0	0.00%	0.00%	0.20%	0.00%	0.00%	0.00%
Bacteria;Calditrichota;Calditrichia	0	0	879	0	0	0	0.00%	0.00%	0.20%	0.00%	0.00%	0.00%
Bacteria;Spirochaetota;Leptospirae	0	0	868	0	0	0	0.00%	0.00%	0.20%	0.00%	0.00%	0.00%
Bacteria;Bdellovibrionota;Bdellovibrionia	0	404	642	0	0	0	0.00%	0.15%	0.14%	0.00%	0.00%	0.00%
Bacteria;Dependentiae;Babeliae	0	269	140	0	0	0	0.00%	0.10%	0.03%	0.00%	0.00%	0.00%
Bacteria;Actinobacteria;Thermoleophilia	0	266	421	0	0	0	0.00%	0.10%	0.09%	0.00%	0.00%	0.00%
Bacteria;Desulfobacterota;Desulfuromonadia	0	0	437	0	0	0	0.00%	0.00%	0.10%	0.00%	0.00%	0.00%
Bacteria;Latescibacterota;Latescibacterota	0	0	424	0	0	0	0.00%	0.00%	0.10%	0.00%	0.00%	0.00%
Bacteria;Acidobacteria;Holophagae	0	0	300	0	0	0	0.00%	0.00%	0.07%	0.00%	0.00%	0.00%
Bacteria;Firmicutes;Limnochordia	0	119	0	100	0	0	0.00%	0.04%	0.00%	0.7%	0.00%	0.00%
Bacteria;Zixibacteria;Zixibacteria	0	0	259	0	0	0	0.00%	0.00%	0.06%	0.00%	0.00%	0.00%
Bacteria;Planctomycetota;	0	0	240	0	0	0	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%
Bacteria;Bacteroidota;Ignavibacteria	13	0	222	0	0	0	0.01%	0.00%	0.05%	0.00%	0.00%	0.00%

*分類が不明な細菌群は上位階級の分類を記載した。

分類	検出リード数						検出割合					
	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥
界												
門												
綱												
凡例												
Archaea;Crenarchaeota	Nitrososphaeria	Nitrososphaeria					5	2,119	84,340	21	2	0
Bacteria;Acidobacteria	Blastocatellia	Blastocatellia					8	0	9,239	2	0	0
Bacteria;Actinobacteria	Acidimicrobia	Acidimicrobia					0	1,100	9,274	0	0	8
Bacteria;Actinobacteria	Actinobacteria	Actinobacteria					49	16,102	1,500	213	56,552	1,088
Bacteria;Armatimonadota	Fimbrimonadina	Fimbrimonadina					7	18,909	25	3	0	0
Bacteria;Bacteroidota	Bacteroidia	Bacteroidia					10	9,280	73,245	312	0	345
Bacteria;Bacteroidota	Kapabacteria	Kapabacteria					0	3,026	668	0	0	0
Bacteria;Chloroflexi	Anaerolineae	Anaerolineae					3	10,931	21,458	64	0	0
Bacteria;Chloroflexi	Chloroflexia	Chloroflexia					4	6,693	1,579	47	2	109
Bacteria;Cyanobacteria	Vampirivibrionia	Vampirivibrionia					21	22,694	37	19	3	7
Bacteria;Dadabacteria	Dadabacteria	Dadabacteria					0	2,870	321	0	0	0
Bacteria;Deinococcota	Deinococci	Deinococci					5	10,880	162	3	0	15
Bacteria;Firmicutes	Bacilli	Bacilli					153,926	328	211	144,557	5,226	207,871
Bacteria;Firmicutes	Clostridia	Clostridia					2,660	7	28	3,148	51,339	10
Bacteria;Firmicutes	Negativicutes	Negativicutes					15	2	3	23	35,212	0
Bacteria;Nitrospirota	Nitrospiria	Nitrospiria					4	0	19,115	4	0	0
Bacteria;Planctomycetota	BD7-11	Planctomycetota;BD7-11*					5	6,872	87	0	0	0
Bacteria;Planctomycetota	Phycisphaerae	Phycisphaerae					0	186	7,986	7	0	0
Bacteria;Planctomycetota	Planctomycetes	Planctomycetes					3	5,520	29,208	5	0	37
Bacteria;Proteobacteria	Alphaproteobacteria	Alphaproteobacteria					111	17,534	36,273	180	128,441	181
Bacteria;Proteobacteria	Gammaproteobacteria	Gammaproteobacteria					123	114,869	94,425	3,471	381	633
Bacteria;Verrucomicrobiota	Verrucomicrobiae	Verrucomicrobiae					0	5,890	18,290	33	0	9
	others(1%>)	others(1%>)					41	9,674	36,473	413	3	48
Total							157,000	265,486	443,947	152,525	277,164	210,361



SAMPLE

◆目での分類

	検出リード数										検出割合						最大割合
	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤⑦	微生物製剤⑧	微生物製剤⑨	微生物製剤⑩	微生物製剤⑪	微生物製剤⑫	微生物製剤⑬	微生物製剤⑭	微生物製剤⑮	微生物製剤⑯	
Bacteria:F	165	35	80	142,403	4,326	207,865	0.11%	0.01%	0.02%	93.36%	1.56%	98.81%	98.81%				
Bacteria:F	153,720	6	26	2,127	6	0	97.91%	0.00%	0.01%	1.39%	0.00%	0.00%	97.91%				
Bacteria:P	61	7,401	1,841	32	122,381	72	0.04%	2.79%	0.41%	0.02%	44.15%	0.03%	44.15%				
Bacteria:P	106	103,943	56,047	201	88	80	0.07%	39.15%	12.62%	0.13%	0.03%	0.04%	39.15%				
Bacteria:A	37	34	839	7	56,552	245	0.02%	0.01%	0.19%	0.00%	20.40%	0.12%	20.40%				
Archaea:C	5	0	75,519	0	2	0	0.00%	0.00%	17.01%	0.00%	0.00%	0.00%	17.01%				
Bacteria:B	10	486	63,172	10	0	0	0.01%	0.18%	14.23%	0.01%	0.00%	0.00%	14.23%				
Bacteria:F	2,637	7	12	26	39,161	7	1.68%	0.00%	0.00%	0.02%	14.13%	0.00%	14.13%				
Bacteria:F	15	2	3	23	32,716	0	0.01%	0.00%	0.00%	0.02%	11.80%	0.00%	11.80%				
Bacteria:C	21	22,694	37	19	3	7	0.01%	8.55%	0.01%	0.01%	0.00%	0.00%	8.55%				
Bacteria:A	7	18,909	25	3	3	0	0.00%	7.12%	0.01%	0.00%	0.00%	0.00%	7.12%				
Bacteria:A	7	16,006	550	131	0	574	0.00%	6.03%	0.12%	0.09%	0.00%	0.27%	6.03%				
Bacteria:P	10	7,117	23,163	8	12	178	0.01%	2.68%	5.22%	0.01%	0.00%	0.08%	5.22%				
Bacteria:N	4	0	19,115	4	0	0	0.00%	0.00%	4.31%	0.00%	0.00%	0.00%	4.31%				
Bacteria:P	0	759	19,004	0	0	8	0.00%	0.29%	4.28%	0.00%	0.00%	0.00%	4.28%				
Bacteria:D	5	10,880	162	3	0	15	0.00%	4.10%	0.04%	0.00%	0.00%	0.01%	4.10%				
Bacteria:C	3	5,524	16,399	9	0	0	0.00%	2.08%	3.69%	0.01%	0.00%	0.00%	3.69%				
Bacteria:V	0	3,306	12,721	0	0	0	0.00%	1.25%	2.87%	0.00%	0.00%	0.00%	2.87%				
Bacteria:F	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%	2.61%				
Bacteria:P	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%	2.59%				
Bacteria:C	4	6,693	1,579	24	2	109	0.00%	2.52%	0.36%	0.02%	0.00%	0.05%	2.52%				
Bacteria:P	0	0	10,940	0	0	0	0.00%	0.00%	2.46%	0.00%	0.00%	0.00%	2.46%				
Bacteria:A	0	0	9,090	2	0	0	0.00%	0.00%	2.05%	0.00%	0.00%	0.00%	2.05%				
Bacteria:P	3	929	9,056	3	0	0	0.00%	0.35%	2.04%	0.00%	0.00%	0.00%	2.04%				
Bacteria:F	12	0	10	3,073	3,920	0	0.01%	0.00%	0.00%	2.01%	1.41%	0.00%	2.01%				
Bacteria:P	0	0	62	3,065	0	0	0.00%	0.00%	0.01%	2.01%	0.00%	0.00%	2.01%				
Bacteria:P	7	2,397	5,449	0	5,522	7	0.00%	0.90%	1.23%	0.00%	1.99%	0.00%	1.99%				
Archaea:C	0	2,119	8,821	21	0	0	0.00%	0.80%	1.99%	0.01%	0.00%	0.00%	1.99%				
Bacteria:P	3	5,209	4,887	27	538	98	0.00%	1.96%	1.10%	0.02%	0.19%	0.05%	1.96%				
Bacteria:B	0	5,195	941	111	0	46	0.00%	1.96%	0.21%	0.07%	0.00%	0.02%	1.96%				
Bacteria:C	0	4,742	2,354	0	0	0	0.00%	1.79%	0.53%	0.00%	0.00%	0.00%	1.79%				
Bacteria:A	0	45	6,732	0	0	0	0.00%	0.02%	1.52%	0.00%	0.00%	0.00%	1.52%				
Bacteria:B	0	3,481	4,201	19	0	71	0.00%	1.31%	0.95%	0.01%	0.00%	0.03%	1.31%				
Bacteria:B	0	3,026	668	0	0	0	0.00%	1.14%	0.15%	0.00%	0.00%	0.00%	1.14%				
Bacteria:B	0	118	4,927	77	0	228	0.00%	0.04%	1.11%	0.05%	0.00%	0.11%	1.11%				
Bacteria:D	0	2,870	321	0	0	0	0.00%	1.08%	0.07%	0.00%	0.00%	0.00%	1.08%				
Bacteria:P	0	0	4,468	0	0	0	0.00%	0.00%	1.01%	0.00%	0.00%	0.00%	1.01%				
Bacteria:V	0	0	4,364	0	0	0	0.00%	0.00%	0.98%	0.00%	0.00%	0.00%	0.98%				
Bacteria:A	2	2,517	419	11	0	8	0.00%	0.95%	0.09%	0.01%	0.00%	0.00%	0.95%				
Bacteria:P	0	47	4,199	0	0	0	0.00%	0.02%	0.95%	0.00%	0.00%	0.00%	0.95%				
Bacteria:P	0	2,502	639	0	0	0	0.00%	0.94%	0.14%	0.00%	0.00%	0.00%	0.94%				
Bacteria:F	0	0	0	0	2,496	0	0.00%	0.00%	0.00%	0.00%	0.90%	0.00%	0.90%				
Bacteria:P	0	0	3,901	0	0	0	0.00%	0.00%	0.88%	0.00%	0.00%	0.00%	0.88%				
Bacteria:V	0	0	3,399	0	0	0	0.00%	0.00%	0.77%	0.00%	0.00%	0.00%	0.77%				
Bacteria:P	0	59	3,346	0	0	0	0.00%	0.02%	0.75%	0.00%	0.00%	0.00%	0.75%				
Bacteria:M	0	925	3,064	2	0	0	0.00%	0.35%	0.69%	0.00%	0.00%	0.00%	0.69%				
Bacteria:P	0	0	3,029	0	0	5	0.00%	0.00%	0.68%	0.00%	0.00%	0.00%	0.68%				
Bacteria:P	0	156	2,808	108	0	4	0.00%	0.06%	0.63%	0.07%	0.00%	0.00%	0.63%				
Bacteria:V	0	1,670	1,931	7	0	0	0.00%	0.63%	0.43%	0.00%	0.00%	0.00%	0.63%				
Bacteria:G	0	1,402	2,638	0	0	0	0.00%	0.53%	0.59%	0.00%	0.00%	0.00%	0.59%				
Bacteria:P	0	0	2,611	8	0	0	0.00%	0.00%	0.59%	0.01%	0.00%	0.00%	0.59%				
Bacteria:P	0	0	2,522	0	0	0	0.00%	0.00%	0.57%	0.00%	0.00%	0.00%	0.57%				
Bacteria:A	0	0	2,511	0	0	0	0.00%	0.00%	0.57%	0.00%	0.00%	0.00%	0.57%				
Bacteria:M	0	4	2,488	6	0	0	0.00%	0.00%	0.56%	0.00%	0.00%	0.00%	0.56%				
Bacteria:A	0	418	2,337	0	0	8	0.00%	0.16%	0.53%	0.00%	0.00%	0.00%	0.53%				
Bacteria:P	0	0	2,250	0	0	0	0.00%	0.00%	0.51%	0.00%	0.00%	0.00%	0.51%				
Bacteria:C	0	1,256	637	0	0	0	0.00%	0.47%	0.14%	0.00%	0.00%	0.00%	0.47%				
Bacteria:P	0	1,155	456	0	0	0	0.00%	0.44%	0.10%	0.00%	0.00%	0.00%	0.44%				
Bacteria:P	0	0	1,810	0	0	0	0.00%	0.00%	0.41%	0.00%	0.00%	0.00%	0.41%				
Bacteria:G	0	1,005	0	6	0	0	0.00%	0.38%	0.00%	0.00%	0.00%	0.00%	0.38%				
Bacteria:C	0	43	1,624	0	0	0	0.00%	0.02%	0.37%	0.00%	0.00%	0.00%	0.37%				
Bacteria:P	0	964	18	0	0	2	0.00%	0.36%	0.00%	0.00%	0.00%	0.00%	0.36%				
Bacteria:V	0	914	0	26	0	9	0.00%	0.34%	0.00%	0.02%	0.00%	0.00%	0.34%				
Bacteria:P	0	0	1,512	0	0	0	0.00%	0.00%	0.34%	0.00%	0.00%	0.00%	0.34%				
Bacteria:P	0	894	0	0	0	0	0.00%	0.34%	0.00%	0.00%	0.00%	0.00%	0.34%				
Bacteria:P	0	883	509	2	0	29	0.00%	0.33%	0.11%	0.00%	0.00%	0.01%	0.33%				
Bacteria:F	25	88	0	7	889	0	0.02%	0.03%	0.00%	0.00%	0.32%	0.00%	0.32%				

*分類が不明な細菌群は上位階級の分類を記載した。

界	門	綱	目	凡例	検出リード数						検出割合					
					微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥
Archaea	Crenarchaeota	Nitrososphaeria	Nitrosopumilales	Nitrosopumilales	5	0	75,519	0	2	0	0.00%	0.00%	17.01%	0.00%	0.00%	0.00%
Archaea	Crenarchaeota	Nitrososphaeria	Nitrososphaerales	Nitrososphaerales	0	2,119	8,821	21	0	0	0.00%	0.80%	1.99%	0.01%	0.00%	0.00%
Bacteria	Acidobacteriota	Blastocatellia	11-24	Blastocatellia;11-24*	0	0	9,090	2	0	0	0.00%	0.00%	2.05%	0.00%	0.00%	0.00%
Bacteria	Actinobacteriota	Acidimicrobiia	Actinomarinales	Actinomarinales	0	45	6,732	0	0	0	0.00%	0.02%	1.52%	0.00%	0.00%	0.00%
Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	Corynebacteriales	37	34	839	7	56,552	245	0.02%	0.01%	0.19%	0.00%	20.40%	0.12%
Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Micrococcales	7	16,006	550	131	0	574	0.00%	6.03%	0.12%	0.09%	0.00%	0.27%
Bacteria	Armatimonadota	Fimbriimonadia	Fimbriimonadales	Fimbriimonadales	7	18,909	25	3	3	0	0.00%	7.12%	0.01%	0.00%	0.00%	0.00%
Bacteria	Bacteroidota	Bacteroidia	Chitinophagales	Chitinophagales	0	3,481	4,201	19	0	71	0.00%	1.31%	0.95%	0.01%	0.00%	0.03%
Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Cytophagales	10	486	63,172	10	0	0	0.01%	0.18%	14.23%	0.01%	0.00%	0.00%
Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriales	0	5,195	941	111	0	46	0.00%	1.96%	0.21%	0.07%	0.00%	0.02%
Bacteria	Bacteroidota	Bacteroidia	Sphingobacteriales	Sphingobacteriales	0	118	4,927	77	0	228	0.00%	0.04%	1.11%	0.05%	0.00%	0.11%
Bacteria	Bacteroidota	Kapabacteria	Kapabacteriales	Kapabacteriales	0	3,026	668	0	0	0	0.00%	1.14%	0.15%	0.00%	0.00%	0.00%
Bacteria	Chloroflexi	Anaerolineae	Caldilineales	Caldilineales	0	4,742	2,354	0	0	0	0.00%	1.79%	0.53%	0.00%	0.00%	0.00%
Bacteria	Chloroflexi	Anaerolineae	SBR1031	Anaerolineae;SBR1031*	3	5,524	16,399	9	0	0	0.00%	2.08%	3.69%	0.01%	0.00%	0.00%
Bacteria	Chloroflexi	Thermomicrobiales	Thermomicrobiales	Thermomicrobiales	4	6,693	1,579	24	2	109	0.00%	2.52%	0.36%	0.02%	0.00%	0.05%
Bacteria	Cyanobacteria	Vampirivibrionia	Obscuribacteriales	Obscuribacteriales	21	22,694	37	19	3	7	0.01%	8.55%	0.01%	0.01%	0.00%	0.00%
Bacteria	Dadabacteria	Dadabacteriia	Dadabacteriales	Dadabacteriales	0	2,870	321	0	0	0	0.00%	1.08%	0.07%	0.00%	0.00%	0.00%
Bacteria	Deinococcota	Deinococci	Deinococcales	Deinococcales	5	10,880	162	3	0	15	0.00%	4.10%	0.04%	0.00%	0.00%	0.01%
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillales	165	35	80	142,403	4,326	207,865	0.11%	0.01%	0.02%	93.36%	1.56%	98.81%
Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillales	153,720	6	26	2,127	6	0	97.91%	0.00%	0.01%	1.39%	0.00%	0.00%
Bacteria	Firmicutes	Clostridia	Clostridia	Clostridia	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	12	0	10	3,073	3,920	0	0.01%	0.00%	0.00%	2.01%	1.41%	0.00%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Oscillospirales	2,637	7	12	26	39,161	7	1.68%	0.00%	0.00%	0.02%	14.13%	0.00%
Bacteria	Firmicutes	Negativicutes	Veillonellales-Selenomonadales	Veillonellales-Selenomonadales	15	2	3	23	32,716	0	0.01%	0.00%	0.00%	0.02%	11.80%	0.00%
Bacteria	Nitrospirota	Nitrospiria	Nitrospirales	Nitrospirales	4	0	19,115	4	0	0	0.00%	0.00%	4.31%	0.00%	0.00%	0.00%
Bacteria	Planctomycetota	BD7-11	BD7-11	Planctomycetota;BD7-11*	5	6,872	87	0	0	0	0.00%	2.59%	0.			

◆科での分類

科	検出リード数						検出割合						最大割合
	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	
Bacteria:Firmicutes;Bacilli;Bacillales;Bacillaceae	129	35	80	141,321	4,326	207,855	0.08%	0.01%	0.02%	92.65%	1.56%	98.81%	98.81%
Bacteria:Firmicutes;Bacilli;Lactobacillales;Lactobacillaceae	153,720	6	26	1,433	6	0	97.91%	0.00%	0.01%	0.94%	0.00%	0.00%	97.91%
Bacteria:Proteobacteria;Alphaproteobacteria;Sphingomonadales;Sphingomonadaceae	61	7,401	1,841	32	122,381	72	0.04%	2.79%	0.41%	0.02%	44.15%	0.03%	44.15%
Bacteria:Proteobacteria;Gammaproteobacteria;Burkholderiales;Nitrosomonadaceae	93	103,721	51,837	53	21	34	0.06%	39.07%	11.68%	0.03%	0.01%	0.02%	39.07%
Bacteria:Actinobacteriota;Actinobacteria;Corynebacteriales;Nocardiaceae	26	17	131	7	56,410	61	0.02%	0.01%	0.03%	0.00%	20.35%	0.03%	20.35%
Archaea:Crenarchaeota;Nitrososphaeria;Nitrososumiales;Nitrososumiliaceae	5	0	75,519	0	2	0	0.00%	0.00%	17.01%	0.00%	0.00%	0.00%	17.01%
Bacteria:Bacteroidota;Bacteroidia;Cytophagales;Microscillaceae	10	436	62,371	4	0	0	0.01%	0.16%	14.05%	0.00%	0.00%	0.00%	14.05%
Bacteria:Firmicutes;Clostridia;Clostridiales;Hungateiclostridiaceae	23	7	12	24	36,926	7	0.01%	0.00%	0.00%	0.02%	13.32%	0.00%	13.32%
Bacteria:Cyanobacteria;Vampirovibrionia;Obscuribacterales;Obscuribacteraceae	21	22,694	37	19	3	7	0.01%	8.55%	0.01%	0.01%	0.00%	0.00%	8.55%
Bacteria:Armatimonadota;Fimbrimonadia;Fimbrimonadales;Fimbrimonadaceae	7	18,909	25	3	3	0	0.00%	7.12%	0.01%	0.00%	0.00%	0.00%	7.12%
Bacteria:Firmicutes;Negativicutes;Veillonellales;Selenomonadales;Sporosusaceae	0	2	3	23	17,048	0	0.00%	0.00%	0.00%	0.02%	6.15%	0.00%	6.15%
Bacteria:Actinobacteriota;Actinobacteria;Micrococcales;Microbacteriaceae	7	16,004	455	17	0	36	0.00%	6.03%	0.10%	0.01%	0.00%	0.02%	6.03%
Bacteria:Firmicutes;Negativicutes;Veillonellales;Selenomonadales;uncultured	15	0	0	0	15,668	0	0.01%	0.00%	0.00%	0.00%	5.65%	0.00%	5.65%
Bacteria:Proteobacteria;Gammaproteobacteria;Xanthomonadales;Xanthomonadaceae	7	182	22,286	3	12	178	0.00%	0.07%	5.02%	0.00%	0.00%	0.08%	5.02%
Bacteria:Nitrospirota;Nitrospirales;Nitrospiraceae	4	0	19,115	4	0	0	0.00%	0.00%	4.31%	0.00%	0.00%	0.00%	4.31%
Bacteria:Deinococcota;Deinococci;Deinococcales;Trueperaceae	5	10,880	162	3	0	6	0.00%	4.10%	0.04%	0.00%	0.00%	0.00%	4.10%
Bacteria:Chloroflexi;Anaerolineae;SBR1031;A4b	3	5,524	15,920	9	0	0	0.00%	2.08%	3.59%	0.01%	0.00%	0.00%	3.59%
Bacteria:Planctomycetota;Planctomycetes;Planctomycetales;uncultured	0	3	15,142	0	0	8	0.00%	0.00%	3.41%	0.00%	0.00%	0.00%	3.41%
Bacteria:Verrucomicrobiota;Verrucomicrobiae;Opitutales;Opitutaceae	0	395	12,686	0	0	0	0.00%	0.15%	2.86%	0.00%	0.00%	0.00%	2.86%
Bacteria:Firmicutes;Clostridia;Clostridia;Gracilbacteraceae	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%	2.61%
Bacteria:Proteobacteria;Gammaproteobacteria;Xanthomonadales;Rhodanobacteraceae	3	6,935	871	5	0	0	0.00%	2.61%	0.20%	0.00%	0.00%	0.00%	2.61%
Bacteria:Planctomycetota;BD7-11;BD7-11;BD7-11	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%	2.59%
Bacteria:Proteobacteria;Gammaproteobacteria;Nitrocooccales;Nitrocoocaceae	0	0	10,940	0	0	0	0.00%	0.00%	2.46%	0.00%	0.00%	0.00%	2.46%
Bacteria:Chloroflexi;Chloroflexia;Thermomicrobiales;JG30-KF-CM45	4	5,655	1,036	20	2	106	0.00%	2.13%	0.23%	0.1%	0.00%	0.05%	2.13%
Bacteria:Acidobacteriota;Blastocatellia;11-24;11-24	0	0	9,090	2	0	0	0.00%	0.00%	2.05%	0.00%	0.00%	0.00%	2.05%
Bacteria:Planctomycetota;Planctomycetes;Pirellulales;Pirellulaceae	3	929	9,056	3	0	0	0.00%	0.35%	2.04%	0.00%	0.00%	0.00%	2.04%
Bacteria:Firmicutes;Clostridia;Clostridiales;Clostridiaceae	12	0	8	3,070	3,920	0	0.01%	0.00%	0.00%	2.01%	1.41%	0.00%	2.01%
Bacteria:Proteobacteria;Alphaproteobacteria;Caulobacterales;Caulobacteraceae	7	128	4,961	0	5,522	7	0.00%	0.05%	1.12%	0.00%	1.99%	0.00%	1.99%
Archaea:Crenarchaeota;Nitrososphaeria;Nitrososphaerales;Nitrososphaeraceae	0	2,119	8,821	21	0	0	0.00%	0.80%	1.99%	0.01%	0.00%	0.00%	1.99%
Bacteria:Chloroflexi;Anaerolineae;Caldilineales;Caldilineaceae	0	4,742	2,354	0	0	0	0.00%	1.79%	0.53%	0.00%	0.00%	0.00%	1.79%
Bacteria:Firmicutes;Clostridia;Oscillospirales;Ethanologaceae	2,612	0	0	0	482	0	1.66%	0.00%	0.00%	0.00%	0.17%	0.00%	1.66%
Bacteria:Actinobacteriota;Actinobacteria;Actinomarinales;uncultured	0	45	6,730	0	0	0	0.00%	0.02%	1.52%	0.00%	0.00%	0.00%	1.52%
Bacteria:Bacteroidota;Bacteroidia;Flavobacteriales;Flavobacteriaceae	0	3,871	336	40	0	46	0.00%	1.46%	0.08%	0.03%	0.00%	0.02%	1.46%
Bacteria:Bacteroidota;Bacteroidia;Chitinophagales;Chitinophagaceae	0	3,481	3,787	19	0	71	0.00%	1.31%	0.85%	0.01%	0.00%	0.03%	1.31%
Bacteria:Bacteroidota;Kapabacteria;Kapabacteriales;Kapabacteriaceae	0	3,026	668	0	0	0	0.00%	1.14%	0.15%	0.00%	0.00%	0.00%	1.14%
Bacteria:Verrucomicrobiota;Verrucomicrobiae;Opitutales;Punicicoccaceae	0	2,911	27	0	0	0	0.00%	1.10%	0.01%	0.00%	0.00%	0.00%	1.10%
Bacteria:Dadabacteria;Dadabacteria;Dadabacteriales;Dadabacteriaceae	0	2,870	321	0	0	0	0.00%	1.08%	0.07%	0.00%	0.00%	0.00%	1.08%
Bacteria:Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae	0	0	0	1,542	0	0	0.00%	0.00%	0.00%	1.01%	0.00%	0.00%	1.01%
Bacteria:Proteobacteria;Alphaproteobacteria;Dongiales;Dongiaceae	0	0	4,468	0	0	0	0.00%	0.00%	1.01%	0.00%	0.00%	0.00%	1.01%
Bacteria:Bacteroidota;Bacteroidia;Sphingobacteriales;NS11-12_marine_group	0	0	4,439	0	0	0	0.00%	0.00%	1.00%	0.00%	0.00%	0.00%	1.00%
Bacteria:Proteobacteria;Gammaproteobacteria;Enterobacteriales;Morganellaceae	0	0	0	1,462	0	0	0.00%	0.00%	0.00%	0.96%	0.00%	0.00%	0.96%
Bacteria:Planctomycetota;Phycisphaerae;Phycisphaerales;Phycisphaeraceae	0	47	4,199	0	0	0	0.00%	0.02%	0.95%	0.00%	0.00%	0.00%	0.95%
Bacteria:Planctomycetota;Planctomycetes;Gemmatales;Gemmataceae	0	2,502	639	0	0	0	0.00%	0.94%	0.14%	0.00%	0.00%	0.00%	0.94%
Bacteria:Acidobacteriota;Viciniabacteria;Viciniabacteriales;Viciniabacteraceae	2	2,483	415	5	0	8	0.00%	0.94%	0.09%	0.00%	0.00%	0.00%	0.94%
Bacteria:Firmicutes;Negativicutes;uncultured;uncultured	0	0	0	0	2,496	0	0.00%	0.00%	0.00%	0.00%	0.90%	0.00%	0.90%
Bacteria:Proteobacteria;Alphaproteobacteria;Ferrovibrionales;Ferrovibrionales	0	0	3,901	0	0	0	0.00%	0.00%	0.88%	0.00%	0.00%	0.00%	0.88%
Bacteria:Proteobacteria;Alphaproteobacteria;Caulobacterales;Hyphomonadaceae	0	2,269	362	0	0	0	0.00%	0.85%	0.08%	0.00%	0.00%	0.00%	0.85%
Bacteria:Proteobacteria;Gammaproteobacteria;Burkholderiales;Comamonadaceae	8	19	3,608	130	67	4	0.01%	0.01%	0.81%	0.09%	0.02%	0.00%	0.81%
Bacteria:Verrucomicrobiota;Verrucomicrobiae;Verrucomicrobiales;Verrucomicrobiaceae	0	0	3,393	0	0	0	0.00%	0.00%	0.76%	0.00%	0.00%	0.00%	0.76%
Bacteria:Proteobacteria;Alphaproteobacteria;Reynanellales;Reynanellaceae	0	59	3,346	0	0	0	0.00%	0.02%	0.75%	0.00%	0.00%	0.00%	0.75%
Bacteria:Firmicutes;Bacilli;Bacillales	0	0	0	1,029	0	6	0.00%	0.00%	0.00%	0.67%	0.00%	0.00%	0.67%
Bacteria:Patescibacteria;Saccharimonadota;Saccharimonadales;Saccharimonadales	0	0	2,972	0	0	0	0.00%	0.00%	0.67%	0.00%	0.00%	0.00%	0.67%
Bacteria:Proteobacteria;Alphaproteobacteria;Rhodobacteriales;Rhodobacteraceae	0	156	2,808	108	0	4	0.00%	0.06%	0.63%	0.07%	0.00%	0.00%	0.63%
Bacteria:Firmicutes;Clostridia;Oscillospirales;Ruminococcaceae	2	0	0	0	1,753	0	0.00%	0.00%	0.00%	0.00%	0.63%	0.00%	0.63%
Bacteria:Verrucomicrobiota;Verrucomicrobiae;Pedosphaerales;Pedosphaeraceae	0	1,670	1,931	7	0	0	0.00%	0.63%	0.43%	0.00%	0.00%	0.00%	0.63%
Bacteria:Planctomycetota;Planctomycetes;Planctomycetales;Rubinisphaeraceae	0	409	2,675	0	0	0	0.00%	0.15%	0.60%	0.00%	0.00%	0.00%	0.60%
Bacteria:Gemmatimonadota;Gemmatimonadetes;Gemmatimonadales;Gemmatimonadaceae	0	1,402	2,638	0	0	0	0.00%	0.53%	0.59%	0.00%	0.00%	0.00%	0.59%
Bacteria:Proteobacteria;Alphaproteobacteria;Tistrellales;Geminococcaceae	0	0	2,611	8	0	0	0.00%	0.00%	0.59%	0.01%	0.00%	0.00%	0.59%
Bacteria:Acidobacteriota;Acidobacteriales;Acidobacteriales;Acidobacteriaceae	0	0	2,511	0	0	0	0.00%	0.00%	0.57%	0.00%	0.00%	0.00%	0.57%
Bacteria:Proteobacteria;Alphaproteobacteria;Rhizobiales;Rhizobiaceae	0	1,500	1,477	14	489	64	0.00%	0.57%	0.33%	0.01%	0.18%	0.03%	0.57%
Bacteria:Myxococcota;Myxococcia;Myxococcales;Myxococcaceae	0	0	2,488	6	0	0	0.00%	0.00%	0.56%	0.00%	0.00%	0.00%	0.56%
Bacteria:Proteobacteria;Alphaproteobacteria;Micavibrionales;uncultured	0	0	2,449	0	0	0	0.00%	0.00%	0.55%	0.00%	0.00%	0.00%	0.55%
Bacteria:Verrucomicrobiota;Chlamydiae;Chlamydiales;Parachlamydiaceae	0	0	2,346	0	0	0	0.00%	0.00%	0.53%	0.00%	0.00%	0.00%	0.53%
Bacteria:Planctomycetota;Phycisphaerae;Pla1_lineage;Pla1_lineage	0	0	2,250	0	0	0	0.00%	0.00%	0.51%	0.00%	0.00%	0.00%	0.51%
Bacteria:Proteobacteria;Alphaproteobacteria;Rhizobiales;Xanthobacteraceae	0	1,307	659	0	0	0	0.00%	0.49%	0.15%	0.00%	0.00%	0.00%	0.49%
Bacteria:Chloroflexi;JG30-KF-CM66;JG30-KF-CM66;JG30-KF-CM66	0	1,256	637	0	0	0	0.00%	0.47%	0.14%	0.00%	0.00%	0.00%	0.47%
Bacteria:Proteobacteria;Alphaproteobacteria;Rhizobiales;Hyphomicrobiaceae	0	1,169	542	0	0	8	0.00%	0.44%	0.12%	0.00%	0.00%	0.00%	0.44%
Bacteria:Proteobacteria;Alphaproteobacteria;Parvibaculales;Parvibaculaceae	0	1,155	150	0	0	0	0.00%	0.44%	0.03%	0.00%	0.00%	0.00%	0.44%
Bacteria:Planctomycetota;OM190;OM190;OM190	0	0	1,810	0	0	0	0.00%	0.00%	0.41%	0.00%	0.00%	0.00%	0.41%

*分類が不明な細菌群は上位階級の分類を記載した。

界	門	綱	目	科	凡例	検出リード数						検出割合					
						微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤⑥
Archaea	Crenarchaeota	Nitrososphaeria	Nitrososumiales	Nitrososumiliaceae	Nitrososumiliaceae	5	0	75,519	0	2	0	0.00%	0.00%	17.01%	0.00%	0.00%	0.00%
Archaea	Crenarchaeota	Nitrososphaeria	Nitrososphaerales	Nitrososphaeraceae	Nitrososphaeraceae	0	2,119	8,821	21	0	0	0.00%	0.80%	1.99%	0.01%	0.00%	0.00%
Bacteria	Acidobacteriota	Blastocatellia	11-24	11-24	Blastocatellia;11-24*	0	0	9,090	2	0	0	0.00%	0.00%	2.05%	0.00%	0.00%	0.00%
Bacteria	Actinobacteriota	Actinimicrobia	Actinomarinales	uncultured	Actinomarinales;uncultured*	0	45	6,730	0	0	0	0.00%	0.00%	0.02%	1.52%	0.00%	0.00%
Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	Nocardiaceae	Nocardiaceae	26	17	131	7	56,410	61	0.02%	0.01%	0.03%	0.00%	20.35%	0.03%
Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Microbacteriaceae	Microbacteriaceae												

◆属での分類

属名	検出リード数					検出割合					最大割合	
	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤	微生物製剤①	微生物製剤②	微生物製剤③	微生物製剤④	微生物製剤⑤		
Bacteria:Firmicutes: Bacilli: Bacillales: Bacillaceae: Bacillus	129	35	76	141,321	4,326	207,855	0.08%	0.01%	0.02%	92.65%	1.56%	98.81%
Bacteria:Firmicutes: Bacilli: Lactobacillales: Lactobacillaceae: Lactobacillus	153,711	6	26	0	6	0	97.91%	0.00%	0.01%	0.00%	0.00%	97.91%
Bacteria:Proteobacteria: Acidobacteriota: Sphingomonadales: Sphingomonadaceae: Novosphingobium	56	33	38	24	120,735	27	0.04%	0.01%	0.01%	0.02%	43.56%	0.01%
Bacteria:Proteobacteria: Gammaproteobacteria: Burkholderiales: Nitrosomonadaceae: Nitrospira	81	103,446	72	43	21	34	0.05%	38.96%	0.02%	0.03%	0.01%	0.02%
Bacteria:Actinobacteriota: Actinobacteria: Corynebacteriales: Nocardiaceae: Gordonia	26	17	17	7	56,393	57	0.02%	0.01%	0.00%	0.00%	20.35%	0.03%
Archaea: Crenarchaeota: Nitrososphaeria: Nitrososphaerales: Nitrososphaeraceae: Candidatus_Nitrosotenus	5	0	73,300	0	2	0	0.00%	0.00%	16.51%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Burkholderiales: Nitrosomonadaceae: Nitrosomonas	12	169	50,339	5	0	0	0.01%	0.06%	13.4%	0.00%	0.00%	0.00%
Bacteria:Bacteroidota: Bacteroidia: Cytophagales: Microscillaceae: uncultured	10	0	48,438	0	0	0	0.01%	0.00%	10.91%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Oscillospirales: Hungateiclostridaceae: uncultured	17	7	12	0	26,167	7	0.01%	0.00%	0.00%	0.00%	9.44%	0.00%
Bacteria:Cyanobacteria: Vampirovibrionia: Obscuribacteriales: Obscuribacteraceae: Obscuribacter	21	22,694	37	19	3	7	0.01%	8.55%	0.01%	0.01%	0.00%	0.00%
Bacteria:Armatimonadota: Fimbrimonadia: Fimbrimonadales: Fimbrimonadaceae: Fimbrimonadaceae	7	18,909	25	3	3	0	0.00%	7.12%	0.01%	0.00%	0.00%	0.00%
Bacteria:Actinobacteriota: Actinobacteria: Micrococcales: Microbacteriaceae: uncultured	7	16,004	455	0	0	0	0.00%	6.03%	0.10%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Negativicutes: Veillonellales: Selenomonadales: uncultured	15	0	0	0	15,668	0	0.01%	0.00%	0.00%	0.00%	5.65%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Xanthomonadaceae: uncultured	7	2	22,127	0	2	0	0.00%	0.00%	4.98%	0.00%	0.00%	0.00%
Bacteria:Nitrospirota: Nitrospira: Nitrospirales: Nitrospiraceae: Nitrospira	4	0	19,115	4	0	0	0.00%	0.00%	4.31%	0.00%	0.00%	0.00%
Bacteria:Deinococcota: Deinococci: Deinococcales: Truiperaceae: Truopera	5	10,880	162	3	0	6	0.00%	4.10%	0.04%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Hungateiclostridaceae: Ruminiclostridium	6	0	0	10	10,723	0	0.00%	0.00%	0.00%	0.01%	3.87%	0.00%
Bacteria:Chloroflexi: Anaerolineae: SBR1031; A4b; A4b	3	5,524	15,920	9	0	0	0.00%	2.08%	3.59%	0.01%	0.00%	0.00%
Bacteria:Planctomycetota: Planctomycetes: Planctomycetales: uncultured; uncultured	0	3	15,142	0	0	8	0.00%	0.00%	3.41%	0.00%	0.00%	0.00%
Bacteria:Verrucomicrobiota: Verrucomicrobiales: Opitutales: Opitutaceae: Lacunisphaera	0	0	12,413	0	0	0	0.00%	0.00%	2.80%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Alphaproteobacteria: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Gracilibacteraceae: Lutispora	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Sphingomonadales: Sphingomonadaceae: Elin6055	5	7,015	8	0	0	0	0.00%	2.64%	0.00%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0.00%	0.00%	0.00%	2.61%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	3	6,935	8	5	0	0	0.00%	2.61%	0.00%	0.00%	0.00%	0.00%
Bacteria:Proteobacteria: Gammaproteobacteria: Xanthomonadales: Rhodanobacteraceae: Pseudofulvimonas	5	6,872	87	0	0	0	0.00%	2.59%	0.02%	0.00%	0.00%	0.00%
Bacteria:Firmicutes: Clostridia: Clostridiales: Clostridiales: Clostridium_sensu_stricto_1	0	0	0	0	7,241	0	0.00%	0				