

Table S1: Prevalence and abundance of the enriched and clustered bacteriocin genes. The 42 enriched and clustered bacteriocin genes are listed in the table, together with their prevalence and abundance in the infant and adult groups. The corresponding p-values and q-values are given. The unique bacteriocin ID was given to each unique bacteriocin sequence to keep them apart.

Unique bacteriocin ID	Name	Prevalence infant	Prevalence adult	Abundance infant	Abundance adult	Abundance difference	p-value	q-value
Bac809	BlpU	0.53	0.36	1.78E-06	2.72E-07	1.51E-06	3.53E-24	7.86E-23
Bac957	Colicin_E9	0.52	0.29	5.18E-06	8.73E-07	4.31E-06	1.38E-41	1.99E-39
Bac1041	Pyocin S1	0.51	0.18	8.66E-06	1.94E-07	8.46E-06	4.87E-77	2.82E-74
Bac682	BlpK	0.51	0.30	1.63E-06	1.92E-07	1.44E-06	1.47E-31	8.32E-30
Bac935	BlpD / Thermophilin 9	0.49	0.27	1.46E-06	1.85E-07	1.28E-06	3.35E-33	3.24E-31
Bac948	Colicin	0.44	0.26	2.63E-06	8.30E-07	1.80E-06	1.44E-26	3.78E-25
Bac1009	Enterolysin A	0.32	0.19	7.47E-06	1.71E-07	7.30E-06	5.71E-15	8.93E-14
Bac1057	Colicin-Ia	0.28	0.24	1.34E-05	2.66E-06	1.07E-05	3.03E-03	8.16E-03
Bac978	enterolysin_A	0.27	0.13	5.92E-06	6.81E-08	5.85E-06	1.19E-20	2.23E-19
Bac808	BlpU	0.25	0.11	1.79E-07	2.86E-08	1.51E-07	1.97E-18	3.45E-17
Bac364	Salivaricin_9	0.24	0.13	6.47E-07	1.03E-07	5.44E-07	9.25E-12	9.23E-11
Bac577	rSAM-modified_RiPP_019	0.21	0.31	2.30E-07	2.29E-07	9.81E-10	5.35E-06	2.58E-05
Bac339	Salivaricin_G32	0.19	0.14	8.03E-07	1.42E-07	6.61E-07	3.60E-04	1.27E-03
Bac336	Streptococcin_A-FF22	0.19	0.13	5.74E-07	1.16E-07	4.58E-07	2.37E-05	1.02E-04
Bac945	Carocin_D	0.18	0.05	4.05E-06	3.36E-08	4.01E-06	7.35E-28	2.50E-26
Bac858	UviB	0.18	0.14	5.21E-07	1.09E-07	4.12E-07	9.98E-04	3.12E-03
Bac344	Ruminococcin_A	0.18	0.13	1.17E-06	2.04E-07	9.71E-07	9.53E-05	3.68E-04
Bac353	Butyrivibriocin_OR79	0.18	0.13	1.15E-06	1.79E-07	9.68E-07	2.11E-04	7.73E-04
Bac357	Butyrivibriocin	0.18	0.11	1.04E-06	1.73E-07	8.63E-07	1.14E-05	5.28E-05
Bac348	BLD_1648	0.17	0.11	4.61E-06	3.63E-07	4.25E-06	1.06E-06	5.74E-06
Bac346	Variacin	0.16	0.10	7.85E-07	1.14E-07	6.70E-07	4.67E-05	1.90E-04
Bac652	rSAM-modified_RiPP_094	0.15	0.26	2.44E-07	2.29E-07	1.55E-08	3.66E-07	2.23E-06
Bac939	alveicin_B_Bacteriocintoxin	0.15	0.09	1.15E-06	1.90E-07	9.62E-07	2.94E-07	1.81E-06
Bac582	rSAM-modified_RiPP_024	0.15	0.27	3.81E-07	2.37E-07	1.44E-07	2.04E-07	1.29E-06
Bac968	Colicin-A	0.15	0.08	7.28E-06	3.22E-07	6.96E-06	1.05E-06	5.72E-06

Bac967	Colicin-10	0.15	0.25	4.80E-06	1.45E-06	3.35E-06	1.78E-06	9.29E-06
Bac581	rSAM-modified_RiPP_023	0.14	0.26	3.63E-07	3.15E-07	4.79E-08	3.04E-09	2.44E-08
Bac324	Pneumolancidin PldA1	0.14	0.09	1.36E-07	3.86E-08	9.70E-08	1.24E-04	4.69E-04
Bac810	Bovicin_255_peptide	0.14	0.09	1.13E-07	8.91E-08	2.39E-08	4.34E-04	1.50E-03
Bac573	rSAM-modified_RiPP_015	0.14	0.21	1.77E-07	7.34E-08	1.04E-07	8.26E-04	2.64E-03
Bac987	klebicin_C_activity	0.13	0.05	3.46E-07	5.29E-08	2.93E-07	1.69E-11	1.63E-10
Bac1037	Colicin-V (Microcin-V)	0.13	0.07	1.52E-06	7.39E-08	1.45E-06	4.25E-07	2.57E-06
Bac496	Streptide	0.12	0.08	5.78E-08	2.34E-08	3.44E-08	7.75E-04	2.52E-03
Bac328	Pneumolancidin PldA4	0.12	0.08	1.68E-07	2.51E-08	1.43E-07	3.16E-03	8.48E-03
Bac503	Microcin_M	0.12	0.04	7.58E-07	4.25E-08	7.16E-07	5.59E-12	5.78E-11
Bac976	Colicin-N	0.12	0.06	4.75E-06	9.27E-08	4.66E-06	7.49E-08	4.99E-07
Bac988	klebicin_C_phage_associated_protein	0.11	0.05	2.26E-06	2.80E-08	2.24E-06	1.25E-08	9.42E-08
Bac347	Pneumolancidin PldA3	0.11	0.06	1.04E-07	1.57E-08	8.84E-08	1.87E-05	8.19E-05
Bac363	Pneumolancidin PldA2	0.11	0.07	1.17E-07	3.24E-08	8.46E-08	2.84E-04	1.02E-03
Bac989	klebicin_C_phage_associated_protein	0.11	0.05	1.68E-06	2.67E-08	1.65E-06	7.26E-09	5.68E-08
Bac883	Delta-lysinI	0.11	0	2.43E-07	0.00E+00	2.43E-07	2.89E-49	8.35E-47
Bac502	Microcin_H47_(MccH47)	0.10	0.04	1.83E-07	2.95E-08	1.54E-07	4.25E-11	3.97E-10