

Supplemental Information

Characterization of fecal concentrations in human and other animal sources by physical, culture-based, and quantitative real-time PCR methods

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Table SI-1. Fecal, sewage, and septage sample collection information.

Sample Count	Pollution Source	Latitude (N)	Longitude (W)	City	Collecting Lab
1	<i>Homo sapiens</i>	33.698	117.921	Costa Mesa, CA	SCCWRP
2		33.698	117.921	Costa Mesa, CA	SCCWRP
3		33.698	117.921	Costa Mesa, CA	SCCWRP
4		37.430	122.741	Stanford, CA	Stanford
5		37.430	122.741	Stanford, CA	Stanford
6		37.430	122.741	Stanford, CA	Stanford
7		34.073	118.439	Los Angeles, CA	UCLA
8		34.073	118.439	Los Angeles, CA	UCLA
9		34.073	118.439	Los Angeles, CA	UCLA
10		34.425	119.793	Santa Barbara, CA	UCSB
11		34.425	119.793	Santa Barbara, CA	UCSB
12		34.425	119.793	Santa Barbara, CA	UCSB
1	<i>Canis lupus familiaris</i>	33.467	117.698	Dana Point, CA	SCCWRP
2		33.655	117.982	Huntington Beach, CA	SCCWRP
3		33.812	118.154	Long Beach, CA	SCCWRP
4		37.437	122.202	Menlo Park, CA	Stanford
5		37.437	122.202	Menlo Park, CA	Stanford
6		37.780	122.437	San Francisco, CA	Stanford
7		33.865	118.399	Hermosa, CA	UCLA
8		34.051	118.341	Los Angeles, CA	UCLA
9		34.051	118.341	Los Angeles, CA	UCLA
10		34.421	119.698	Santa Barbara, CA	UCSB
11		34.458	119.878	Goleta, CA	UCSB
12		34.458	119.878	Goleta, CA	UCSB
1	<i>Odocoileus spp.</i>	33.703	117.710	San Juan Capistrano, CA	SCCWRP
2		33.703	117.710	San Juan Capistrano, CA	SCCWRP
3		33.703	117.710	San Juan Capistrano, CA	SCCWRP
4		33.703	117.710	San Juan Capistrano, CA	SCCWRP
5		37.525	122.286	Belmont, CA	Stanford
6		37.525	122.286	Belmont, CA	Stanford
7		37.525	122.286	Belmont, CA	Stanford
8		37.581	122.476	Pacifica, CA	Stanford
9		35.441	118.888	Bakersfield, CA	UCLA
10		35.441	118.888	Bakersfield, CA	UCLA
11		35.441	118.888	Bakersfield, CA	UCLA
12		35.639	120.345	Gaviota, CA	UCSB
1	<i>Columba spp.</i>	33.764	118.167	Long Beach, CA	SCCWRP
2		33.764	118.167	Long Beach, CA	SCCWRP
3		33.764	118.167	Long Beach, CA	SCCWRP
4		33.764	118.167	Long Beach, CA	SCCWRP
5		33.764	118.167	Long Beach, CA	SCCWRP
6		37.794	122.405	San Francisco, CA	Stanford

Table SI-1. Continued.

Sample Count	Pollution Source	Latitude (N)	Longitude (W)	City	Collecting Lab
7	<i>Columba</i> spp.	37.794	122.405	San Francisco, CA	Stanford
8		33.764	118.167	Long Beach, CA	UCLA
9		33.764	118.167	Long Beach, CA	UCLA
10		33.727	117.768	Carpinteria, CA	UCSB
11		34.421	119.698	Santa Barbara, CA	UCSB
12		34.458	119.878	Goleta, CA	UCSB
1	<i>Branta canadensis</i>	33.641	117.689	Lake Forest, CA	SCCWRP
2		33.641	117.689	Lake Forest, CA	SCCWRP
3		33.641	117.689	Lake Forest, CA	SCCWRP
4		33.641	117.689	Lake Forest, CA	SCCWRP
5		33.641	117.689	Lake Forest, CA	SCCWRP
6		33.641	117.689	Lake Forest, CA	SCCWRP
7		36.599	121.885	Monterey, CA	Stanford
8		36.599	121.885	Monterey, CA	Stanford
9		37.804	122.271	Oakland, CA	Stanford
10		32.817	117.061	San Diego, CA	UCLA
11		35.441	118.888	Bakersfield, CA	UCLA
12		35.441	118.888	Bakersfield, CA	UCLA
13		34.444	119.777	Goleta, CA	UCSB
14		34.444	119.777	Goleta, CA	UCSB
1	<i>Larus</i> spp.	33.462	117.679	Dana Point, CA	SCCWRP
2		33.462	117.679	Dana Point, CA	SCCWRP
3		33.462	117.679	Dana Point, CA	SCCWRP
4		33.462	117.679	Dana Point, CA	SCCWRP
5		33.462	117.679	Dana Point, CA	SCCWRP
6		33.462	117.679	Dana Point, CA	SCCWRP
7		33.812	118.154	Long Beach, CA	SCCWRP
8		37.580	122.168	Palo Alto, CA	Stanford
9		37.580	122.168	Palo Alto, CA	Stanford
10		37.580	122.168	Palo Alto, CA	Stanford
11		32.764	117.246	San Diego, CA	UCLA
12		32.764	117.246	San Diego, CA	UCLA
13		32.764	117.246	San Diego, CA	UCLA
14		32.764	117.246	San Diego, CA	UCLA
15		34.009	118.497	Santa Monica, CA	UCLA
16		34.036	118.536	Los Angeles CA	UCLA
17		34.413	119.686	Santa Barbara, CA	UCSB
18		34.413	119.686	Santa Barbara, CA	UCSB
19		34.433	119.706	Santa Barbara, CA	UCSB
20		34.433	119.706	Santa Barbara, CA	UCSB
21		34.433	119.706	Santa Barbara, CA	UCSB
22		34.433	119.706	Santa Barbara, CA	UCSB
1	Septage	32.811	117.176	San Diego, CA	SCCWRP
2		37.656	122.194	Stinson Beach, CA	Stanford
3		34.037	118.637	Malibu, CA	UCLA
4		34.421	119.698	Goleta, CA	UCSB
5		34.422	119.770	Santa Barbara, CA	UCSB

Table SI-1. Continued.

Sample Count	Pollution Source	Latitude (N)	Longitude (W)	City	Collecting Lab
6	Septage	34.493	119.720	Santa Barbara, CA	UCSB
1	Primary Influent Sewage	33.516	117.680	Dana Point, CA	SCCWRP
2		33.735	117.903	Fountain Valley, CA	SCCWRP
3		32.743	117.055	San Diego, CA	SCCWRP
4		37.181	121.960	Palo Alto, CA	Stanford
5		34.141	118.273	Los Angeles, CA	UCLA
6		34.214	118.399	Van Nuys, CA	UCLA
7		34.420	119.652	Santa Barbara, CA	UCSB
8		34.431	119.588	Santa Barbara, CA	UCSB
9		34.444	119.777	Goleta, CA	UCSB
1	<i>Gallus gallus</i>	33.467	117.698	Dana Point, CA	SCCWRP
2		33.467	117.698	Dana Point, CA	SCCWRP
3		34.015	117.723	Chino, CA	SCCWRP
4		38.540	121.755	Davis, CA	Stanford
5		38.540	121.755	Davis, CA	Stanford
6		38.540	121.755	Davis, CA	Stanford
7		33.074	117.302	Encinitas, CA	UCLA
8		33.074	117.302	Encinitas, CA	UCLA
9		33.074	117.302	Encinitas, CA	UCLA
10		34.504	119.666	Santa Barbara, CA	UCSB
11		34.504	119.666	Santa Barbara, CA	UCSB
12		34.504	119.666	Santa Barbara, CA	UCSB
1	<i>Bos taurus</i>	33.959	117.65	Chino, CA	SCCWRP
2		34.059	117.819	Pomona, CA	SCCWRP
3		34.059	117.819	Pomona, CA	SCCWRP
4		38.540	121.755	Davis, CA	Stanford
5		38.540	121.755	Davis, CA	Stanford
6		38.540	121.755	Davis, CA	Stanford
7		34.271	118.352	Acton, CA	UCLA
8		34.271	118.352	Acton, CA	UCLA
9		34.271	118.352	Acton, CA	UCLA
10		34.504	119.666	Santa Barbara, CA	UCSB
11		34.504	119.666	Santa Barbara, CA	UCSB
12		34.504	119.666	Santa Barbara, CA	UCSB
1	<i>Equus caballus</i>	34.059	117.819	Pomona, CA	SCCWRP
2		34.059	117.819	Pomona, CA	SCCWRP
3		34.059	117.819	Pomona, CA	SCCWRP
4		38.540	121.755	Davis, CA	Stanford
5		38.540	121.755	Davis, CA	Stanford
6		38.540	121.755	Davis, CA	Stanford
7		34.271	118.352	Acton, CA	UCLA
8		34.271	118.352	Acton, CA	UCLA
9		34.271	118.352	Acton, CA	UCLA
10		34.504	119.666	Santa Barbara, CA	UCSB
11		34.504	119.666	Santa Barbara, CA	UCSB
12		34.504	119.666	Santa Barbara, CA	UCSB

Table SI-1. Continued.

Sample Count	Pollution Source	Latitude (N)	Longitude (W)	City	Collecting Lab
1	<i>Sus scrofa</i>	34.059	117.819	Pomona, CA	SCCWRP
2	<i>Sus scrofa</i>	34.059	117.819	Pomona, CA	SCCWRP
3		34.059	117.819	Pomona, CA	SCCWRP
4		38.540	121.755	Davis, CA	Stanford
5		38.540	121.755	Davis, CA	Stanford
6		38.540	121.755	Davis, CA	Stanford
7		34.271	118.352	Acton, CA	UCLA
8		34.271	118.352	Acton, CA	UCLA
9		34.271	118.352	Acton, CA	UCLA
10		35.639	120.345	Gaviota, CA	UCSB
11		35.639	120.345	Gaviota, CA	UCSB
12		35.639	120.345	Gaviota, CA	UCSB

SCCWRP = Southern California Coastal Water Research Project, UCLA = University of California, Los Angeles, UCSB = University of California, Santa Barbara.