

Figure S1. Weekly monitoring data ($n=118$ per site) from the two years prior to sampling indicate consistently higher abundance of *E. coli* at the CSO site. Data are presented as means (\pm S.E.) for each season with 10–12 sampling events per point.

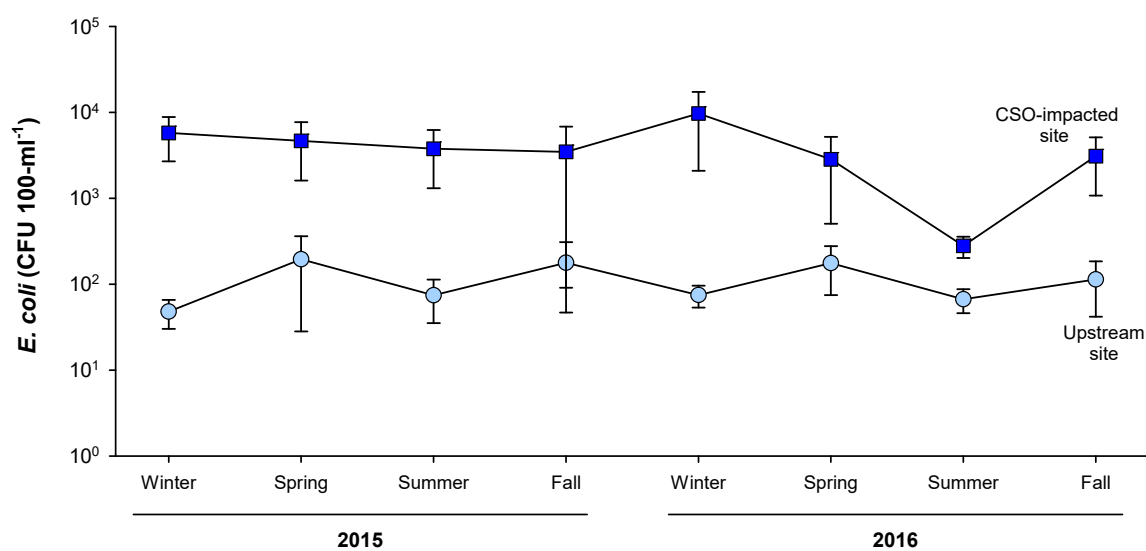


Figure S2. Resistance profiles showing associations among antibiotics. Results for all 10 antibiotics and all 134 isolates were coded into a binary matrix (0 for susceptible and 1 for resistant) and then subjected to cluster analysis using the Jaccard similarity coefficient and the unweighted pair group method with arithmetic mean (UPGMA) method. Bootstrapping was performed (N=1000), and the percentage of replicates where each node was supported is given on the dendrogram.

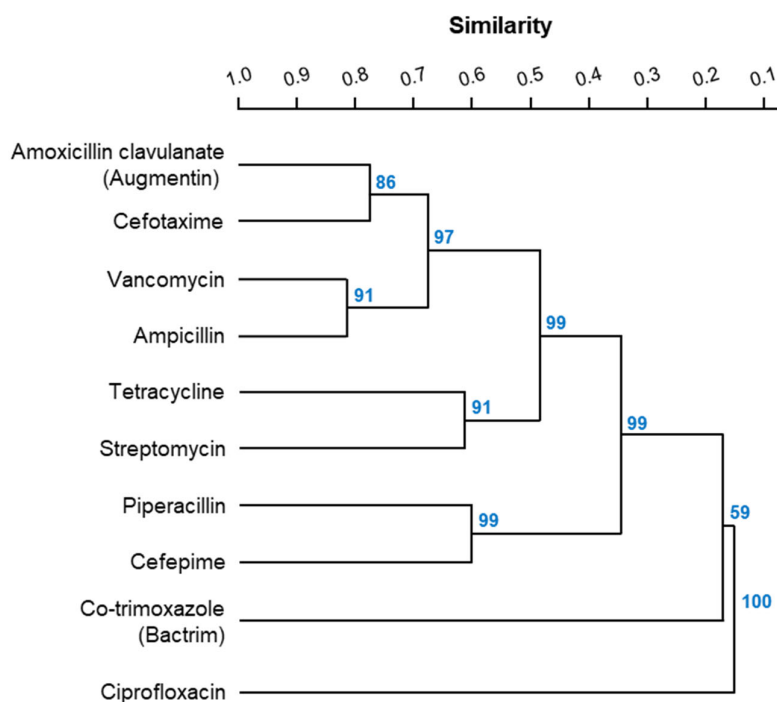


Table S1. Number of isolates in each taxonomic group. For any group containing 10 or more (i.e., $\geq 7.5\%$ of the sampling effort), Fisher's exact test was applied to test for equal distribution across sample types. Results are presented as p values with * highlighting values < 0.05 and ** for values ≤ 0.001 .

Group	Total No. Isolates	Upstream Clear Weather	CSO site Clear Weather	CSO site Overflow Event	p
Family Comamonadaceae	29	8	11	10	0.71
Genus <i>Pseudomonas</i>	22	5	7	10	0.42
Genus <i>Stenotrophomonas</i>	19	0	2	17	<0.001 **
Genus <i>Chryseobacterium</i>	13	0	9	4	0.001 **
Family Sphingomonadaceae	12	8	2	2	0.04 *
Genus <i>Caulobacter</i>	10	8	0	2	0.004 **
Family Enterobacteriaceae	8	6	2	0	
Genus <i>Chromobacterium</i>	6	2	4	0	
Bacilli	4	1	3	0	
Genus <i>Aeromonas</i>	2	1	1	0	
Genus <i>Acinetobacter</i>	1	0	1	0	
Genus <i>Bordetella</i>	1	1	0	0	
Genus <i>Sphingobacterium</i>	1	1	0	0	

Table S2. Taxonomic classifications and resistance profiles for all isolates. Also listed is the GenBank accession number, the length (bp) of the 16S rRNA gene sequenced, the % identity match, and whether the organism was considered to be potentially pathogenic. Antibiotic resistance profiles (1 = resistant, 0 = susceptible) are provide for ten drugs: ampicillin (AMP), piperacillin (PRL), cefepime (FEP), ciprofloxacin (CIP), cefotaxime (CTX), tetracycline (TE), co-trimoxazole (SXT), amoxicillin clavulanate (AMC), streptomycin (S), and vancomycin (VA).

Site_Condition_Isolate#	Accession	bp	%	Family	Genus	Species / Strain	Pathogen?	AMP	PRL	FEP	CIP	CTX	TE	SXT	S	VA	AMC
Upstream_Clear_Weather_1	MZ490702	1411	99.9	Aeromonadaceae	<i>Aeromonas</i>	<i>A. hydrophila</i>	Yes	1	0	0	0	0	0	0	0	0	0
Upstream_Clear_Weather_2	MZ490703	1401	98.6	Alcaligenaceae	<i>Bordetella</i>	<i>Bordetella</i> sp.	Yes	1	1	0	0	1	0	1	0	0	1
Upstream_Clear_Weather_3	MZ490704	1352	99.7	Caulobacteraceae	<i>Caulobacter</i>	<i>C. flavus</i>	No	1	0	0	0	0	0	0	0	1	0
Upstream_Clear_Weather_4	MZ490705	1357	99.7	Caulobacteraceae	<i>Caulobacter</i>	<i>C. flavus</i>	No	1	0	0	0	1	0	1	0	1	1
Upstream_Clear_Weather_5	MZ490706	1354	99.8	Caulobacteraceae	<i>Caulobacter</i>	<i>C. flavus</i>	No	1	0	0	0	1	1	0	1	1	1
Upstream_Clear_Weather_6	MZ490707	1354	99.1	Caulobacteraceae	<i>Caulobacter</i>	<i>C. vibrioides</i>	No	1	0	0	0	1	1	0	1	1	1
Upstream_Clear_Weather_7	MZ490708	1354	99.5	Caulobacteraceae	<i>Caulobacter</i>	<i>C. segnis</i>	No	1	0	0	1	0	0	1	0	1	0
Upstream_Clear_Weather_8	MZ490709	1353	99.4	Caulobacteraceae	<i>Caulobacter</i>	<i>C. segnis</i>	No	1	0	0	0	1	0	1	1	1	1
Upstream_Clear_Weather_9	MZ490710	1355	99.8	Caulobacteraceae	<i>Caulobacter</i>	<i>C. vibrioides</i>	No	1	0	0	0	1	1	0	1	1	1
Upstream_Clear_Weather_10	MZ490711	1356	99.9	Caulobacteraceae	<i>Caulobacter</i>	<i>C. vibrioides</i>	No	1	0	0	0	0	0	0	1	1	0
Upstream_Clear_Weather_11	MZ490712	1168	99.1	Colwelliaceae	<i>Colwellia</i>	<i>Colwellia</i> sp.	No	1	0	0	0	0	1	0	1	1	1
Upstream_Clear_Weather_12	MZ490713	1399	99.2	Comamonadaceae	<i>Acidovorax</i>	sp. R-24667	No	1	0	0	0	1	1	0	1	1	1
Upstream_Clear_Weather_13	MZ490714	1401	99.2	Comamonadaceae	<i>Acidovorax</i>	<i>A. wautersii</i>	No	1	0	0	0	1	0	0	0	1	1
Upstream_Clear_Weather_14	MZ490715	1396	99.5	Comamonadaceae	<i>Acidovorax</i>	<i>A. delafieldii</i>	No	1	0	0	0	1	0	1	0	1	1
Upstream_Clear_Weather_15	MZ490716	1401	99.8	Comamonadaceae	<i>Delftia</i>	<i>D. acidovorans</i>	Yes	1	0	0	1	0	0	0	1	1	0
Upstream_Clear_Weather_16	MZ490717	1398	99.6	Comamonadaceae	<i>Mitsuaria</i>	<i>M. chitosanitabida</i> 102408	No	1	0	0	0	0	1	0	0	1	1
Upstream_Clear_Weather_17	MZ490718	1403	99.7	Comamonadaceae	<i>Pseudacidovorax</i>	<i>P. intermedius</i> CC-21	No	1	0	1	0	0	0	0	1	0	0
Upstream_Clear_Weather_18	MZ490719	1399	99.8	Comamonadaceae	<i>Pseudacidovorax</i>	<i>P. intermedius</i> CC-21	No	1	1	0	0	0	0	0	0	1	0
Upstream_Clear_Weather_19	MZ490720	1412	99.5	Enterobacteriaceae	<i>Klebsiella</i>	sp. HE1	No	1	0	0	0	0	1	0	0	1	1
Upstream_Clear_Weather_20	MZ490721	1389	99.5	Enterobacteriaceae	<i>Serratia</i>	<i>Serratia</i> sp.	No	1	0	0	0	1	0	0	1	1	1
Upstream_Clear_Weather_21	MZ490722	1409	98.8	Enterobacteriaceae	<i>Serratia</i>	<i>Serratia</i> sp.	No	1	0	0	0	0	1	0	1	1	1
Upstream_Clear_Weather_22	MZ490723	1080	99.4	Enterobacteriaceae	<i>Serratia</i>	<i>Serratia</i> sp.	No	1	0	0	0	1	0	0	0	1	1
Upstream_Clear_Weather_23	MZ490724	1409	99.7	Enterobacteriaceae	<i>Serratia</i>	<i>Serratia</i> sp.	No	1	0	0	1	1	1	1	1	1	1
Upstream_Clear_Weather_24	MZ490725	722	100.0	Enterobacteriaceae	<i>Serratia</i>	<i>Serratia</i> sp.	No	1	0	0	0	0	1	0	1	1	1
Upstream_Clear_Weather_25	MZ490726	1360	99.8	Erythrobacteraceae	<i>Porphyrobacter</i>	<i>P. colymbi</i>	No	1	0	1	0	1	1	0	1	1	0

Upstream_Clear_Weather_26	MZ490727	1403	99.3	Neisseriaceae	<i>Chromobacterium</i>	<i>C. aquaticum</i>	No	1	1	0	0	0	0	0	0	0	1
Upstream_Clear_Weather_27	MZ490728	1405	99.7	Neisseriaceae	<i>Chromobacterium</i>	<i>C. violaceum</i>	Yes	1	0	0	0	1	0	0	0	1	1
Upstream_Clear_Weather_28	MZ490729	1432	99.8	Planococcaceae	<i>Solibacillus</i>	<i>S. silvestris</i>	No	1	0	0	0	0	1	0	1	1	0
Upstream_Clear_Weather_29	MZ490730	1179	99.6	Pseudoalteromonadaceae	<i>Pseudoalteromonas</i>	sp. 18III/A01/059	No	1	0	0	0	1	0	0	1	1	1
Upstream_Clear_Weather_30	MZ490731	1403	99.8	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. fluorescens</i> Pf0-1	Yes	1	0	0	0	1	0	0	0	1	1
Upstream_Clear_Weather_31	MZ490732	1407	99.7	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. protegens</i>	No	1	0	0	0	1	0	1	0	1	1
Upstream_Clear_Weather_32	MZ490733	1402	99.3	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. mandelii</i>	No	1	0	0	0	1	0	0	0	1	1
Upstream_Clear_Weather_33	MZ490734	1186	99.8	Rhodobacteraceae	<i>Sulfitobacter</i>	<i>Sulfitobacter</i> sp.	No	1	1	1	0	1	1	0	1	1	0
Upstream_Clear_Weather_34	MZ490735	1397	99.4	Sphingobacteriaceae	<i>Sphingobacterium</i>	<i>S. multivorum</i>	Yes	1	0	1	0	0	0	0	1	1	0
Upstream_Clear_Weather_35	MZ490736	1360	98.9	Sphingomonadaceae	<i>Novosphingobium</i>	<i>Novosphingobium</i> sp.	No	1	1	0	0	0	0	0	1	1	0
Upstream_Clear_Weather_36	MZ490737	1358	99.3	Sphingomonadaceae	<i>Novosphingobium</i>	<i>Novosphingobium</i> sp.	No	1	0	0	0	0	1	0	1	0	0
Upstream_Clear_Weather_37	MZ490738	1356	99.9	Sphingomonadaceae	<i>Sphingomonas</i>	<i>S. melonis</i>	No	1	1	0	0	0	0	0	1	1	0
Upstream_Clear_Weather_38	MZ490739	1357	99.9	Sphingomonadaceae	<i>Sphingomonas</i>	<i>S. melonis</i>	No	1	1	0	1	0	1	0	1	0	0
Upstream_Clear_Weather_39	MZ490740	1359	98.8	Sphingomonadaceae	<i>Sphingomonas</i>	<i>S. melonis</i>	No	1	0	0	0	0	1	0	1	1	0
Upstream_Clear_Weather_40	MZ490741	1360	99.1	Sphingomonadaceae	<i>Sphingomonas</i>	<i>S. panni</i> C52	No	1	0	0	0	0	1	0	1	0	0
Upstream_Clear_Weather_41	MZ490742	1358	99.4	Sphingomonadaceae	<i>Sphingomonas</i>	<i>S. phyllosphaerae</i> FA1	No	1	1	0	0	0	0	0	1	1	0
Upstream_Clear_Weather_42	MZ490743	1356	99.5	Sphingomonadaceae	<i>Sphingomonas</i>	<i>S. phyllosphaerae</i> FA1	No	1	0	0	0	0	0	0	1	1	0
Upstream_Clear_Weather_43	MZ490744	1401	100.0	Pseudomonadaceae	<i>Pseudomonas</i>	<i>Pseudomonas</i> sp.	No	1	0	0	0	1	0	1	0	1	1
Upstream_Clear_Weather_44	MZ490745	1406	100.0	Pseudomonadaceae	<i>Pseudomonas</i>	<i>Pseudomonas</i> sp.	No	1	0	0	0	1	0	0	1	1	1
Upstream_Clear_Weather_44	MZ490746	1394	98.3	Comamonadaceae	<i>Pseudacidovorax</i>	<i>P. intermedius</i> CC-21	No	1	1	1	0	1	0	0	1	0	1
CSO_Clear_Weather_1	MZ490658	1407	100.0	Aeromonadaceae	<i>Aeromonas</i>	<i>A. hydrophila</i>	Yes	1	0	0	0	0	0	0	0	1	1
CSO_Clear_Weather_2	MZ490659	1424	99.9	Bacillaceae	<i>Bacillus</i>	<i>B. cereus</i> F837/76	Yes	1	0	0	0	0	1	0	1	0	1
CSO_Clear_Weather_3	MZ490660	1421	99.9	Bacillaceae	<i>Bacillus</i>	<i>B. cereus</i> F837/76	Yes	1	1	1	0	1	0	1	1	1	1
CSO_Clear_Weather_4	MZ490661	1399	99.7	Comamonadaceae	<i>Acidovorax</i>	<i>A. avenae</i>	No	1	1	1	1	1	0	0	1	1	0
CSO_Clear_Weather_5	MZ490662	1404	99.7	Comamonadaceae	<i>Acidovorax</i>	<i>A. avenae</i>	No	1	0	0	0	1	1	0	1	1	1
CSO_Clear_Weather_6	MZ490663	1396	99.8	Comamonadaceae	<i>Acidovorax</i>	sp. R-24667	No	1	1	0	0	1	0	1	0	1	1
CSO_Clear_Weather_7	MZ490664	1398	99.0	Comamonadaceae	<i>Acidovorax</i>	<i>A. temperans</i>	Yes	1	0	0	1	1	1	0	1	1	1
CSO_Clear_Weather_8	MZ490665	1397	99.6	Comamonadaceae	<i>Acidovorax</i>	<i>A. temperans</i>	Yes	1	0	0	1	0	0	0	1	1	0
CSO_Clear_Weather_9	MZ490666	1401	99.9	Comamonadaceae	<i>Comamonas</i>	<i>C. testosteroni</i>	Yes	1	0	0	0	0	0	0	1	1	0
CSO_Clear_Weather_10	MZ490667	1401	98.5	Comamonadaceae	<i>Mitsuraria</i>	<i>M. chitosanitabida</i> 102408	No	1	0	0	0	0	0	0	1	1	1
CSO_Clear_Weather_11	MZ490668	1395	98.6	Comamonadaceae	<i>Mitsuraria</i>	<i>M. chitosanitabida</i> 102408	No	1	0	0	0	1	0	0	1	0	1
CSO_Clear_Weather_12	MZ490669	1400	98.7	Comamonadaceae	uncultured	uncultured	No	1	0	0	0	0	1	0	0	1	1
CSO_Clear_Weather_13	MZ490670	1403	98.7	Comamonadaceae	<i>Variovorax</i>	sp. TUT1027	No	1	0	0	0	1	0	1	0	1	1
CSO_Clear_Weather_14	MZ490671	1410	99.8	Comamonadaceae	<i>Variovorax</i>	sp. TUT1027	No	1	0	0	0	1	0	1	0	1	1
CSO_Clear_Weather_15	MZ490672	995	99.8	Enterobacteriaceae	<i>Providencia</i>	<i>P. alcalifaciens</i> DSM 30120	Yes	1	0	0	0	0	1	0	0	1	1
CSO_Clear_Weather_16	MZ490673	1001	99.6	Enterobacteriaceae	<i>Providencia</i>	<i>P. alcalifaciens</i> DSM 30120	Yes	1	0	0	0	0	1	0	0	1	1
CSO_Clear_Weather_17	MZ490674	1049	98.8	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. gleum</i>	Yes	1	1	1	1	1	1	1	1	1	1
CSO_Clear_Weather_18	MZ490675	1388	99.1	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. indologenes</i>	Yes	1	0	0	1	1	1	0	1	1	1

CSO_Clear_Weather_19	MZ490676	1387	99.1	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. indologenes</i>	Yes	1	1	0	1	1	1	0	1	0	1
CSO_Clear_Weather_20	MZ490677	1391	98.4	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. timonianum</i>	Yes	1	1	0	0	1	1	0	1	0	1
CSO_Clear_Weather_21	MZ490678	1391	98.4	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. timonianum</i>	Yes	1	1	0	0	1	1	0	1	1	1
CSO_Clear_Weather_22	MZ490679	1389	99.1	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. indologenes</i>	Yes	1	1	1	1	1	1	0	1	1	1
CSO_Clear_Weather_23	MZ490680	1392	99.1	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. vietnamense</i>	No	1	0	1	1	1	1	0	1	1	1
CSO_Clear_Weather_24	MZ490681	1393	99.1	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. vietnamense</i>	No	1	0	0	0	1	1	0	1	1	1
CSO_Clear_Weather_25	MZ490682	1393	99.2	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. vietnamense</i>	No	1	1	1	1	1	1	0	1	1	1
CSO_Clear_Weather_26	MZ490683	1401	99.4	Moraxellaceae	<i>Acinetobacter</i>	<i>A. baumannii</i> sp. LY1	Yes	1	0	0	0	1	1	0	0	1	0
CSO_Clear_Weather_27	MZ490684	1400	99.1	Neisseriaceae	<i>Chromobacterium</i>	<i>C. rhizoryzae</i>	No	1	1	0	0	0	0	0	0	1	1
CSO_Clear_Weather_28	MZ490685	1405	99.4	Neisseriaceae	<i>Chromobacterium</i>	<i>C. aquaticum</i>	No	1	1	0	0	1	0	0	0	1	1
CSO_Clear_Weather_29	MZ490686	1404	99.1	Neisseriaceae	<i>Chromobacterium</i>	<i>C. rhizoryzae</i>	No	1	0	0	0	0	1	0	1	1	0
CSO_Clear_Weather_30	MZ490687	1402	99.2	Neisseriaceae	<i>Chromobacterium</i>	<i>C. rhizoryzae</i>	No	1	0	0	0	0	1	0	1	0	1
CSO_Clear_Weather_31	MZ490688	1402	99.7	Oxalobacteraceae	<i>Herbaspirillum</i>	<i>H. frisingense</i> GSF30	No	1	0	0	0	0	0	0	0	1	1
CSO_Clear_Weather_32	MZ490689	1402	99.8	Oxalobacteraceae	<i>Herbaspirillum</i>	<i>H. frisingense</i> GSF30	No	1	0	0	0	1	0	1	0	1	1
CSO_Clear_Weather_33	MZ490690	1424	99.0	Paenibacillaceae	<i>Paenibacillus</i>	<i>Paenibacillus</i> sp.	No	1	0	1	0	1	0	0	1	0	0
CSO_Clear_Weather_34	MZ490691	1404	99.9	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. putida</i>	Yes	1	1	1	0	1	0	1	1	1	1
CSO_Clear_Weather_35	MZ490692	1401	99.6	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. putida</i> PC16	Yes	1	1	1	1	1	1	1	1	0	1
CSO_Clear_Weather_36	MZ490693	1404	99.9	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. putida</i> KL47	Yes	1	0	0	0	1	1	1	1	1	1
CSO_Clear_Weather_37	MZ490694	1403	99.6	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. putida</i> PC16	Yes	1	0	0	0	1	1	1	1	1	1
CSO_Clear_Weather_38	MZ490695	1406	99.3	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. baetica</i>	No	1	0	0	0	1	1	0	1	1	1
CSO_Clear_Weather_39	MZ490696	1406	99.4	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. baetica</i>	No	1	0	1	1	1	1	0	1	1	1
CSO_Clear_Weather_40	MZ490697	1362	98.5	Sphingomonadaceae	<i>Sphingomonas</i>	<i>S. melonis</i>	No	1	1	0	0	0	0	0	1	0	0
CSO_Clear_Weather_41	MZ490698	1356	99.9	Sphingomonadaceae	<i>Sphingomonas</i>	<i>S. melonis</i>	No	1	1	1	0	1	0	0	1	0	0
CSO_Clear_Weather_42	MZ490699	1418	100.0	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>Stenotrophomonas</i> sp.	No	1	1	1	0	1	1	0	1	1	1
CSO_Clear_Weather_43	MZ490700	1413	99.0	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>Stenotrophomonas</i> sp.	No	1	1	1	0	1	1	0	1	1	1
CSO_Clear_Weather_44	MZ490701	1403	99.6	Pseudomonadaceae	<i>Pseudomonas</i>	sp. HMPB4	No	1	0	0	0	1	0	1	0	1	1
CSO_Event_1	MZ490613	1359	99.9	Caulobacteraceae	<i>Caulobacter</i>	<i>C. segnis</i>	No	1	1	1	0	1	0	1	0	1	1
CSO_Event_2	MZ490614	1358	99.9	Caulobacteraceae	<i>Caulobacter</i>	sp. strain FWC35	No	1	0	0	0	1	0	1	0	1	1
CSO_Event_3	MZ490615	1406	99.6	Comamonadaceae	<i>Acidovorax</i>	<i>A. delafieldii</i>	No	1	0	0	0	1	0	0	0	1	1
CSO_Event_4	MZ490616	1393	100.0	Comamonadaceae	<i>Acidovorax</i>	<i>A. wautersii</i>	No	1	1	1	0	1	0	0	0	1	0
CSO_Event_5	MZ490617	1403	99.1	Comamonadaceae	<i>Acidovorax</i>	sp. J33	No	1	1	1	1	1	0	0	0	1	1
CSO_Event_6	MZ490618	1405	98.9	Comamonadaceae	<i>Delftia</i>	<i>D. acidovorans</i>	Yes	1	0	0	0	1	0	1	1	1	1
CSO_Event_7	MZ490619	1408	99.8	Comamonadaceae	<i>Delftia</i>	<i>D. acidovorans</i>	Yes	1	0	0	0	0	1	0	1	1	0
CSO_Event_8	MZ490620	1404	99.9	Comamonadaceae	<i>Delftia</i>	<i>D. acidovorans</i>	Yes	1	0	0	0	0	1	0	1	1	0
CSO_Event_9	MZ490621	1402	99.8	Comamonadaceae	<i>Delftia</i>	<i>D. acidovorans</i>	Yes	1	0	1	0	0	1	0	1	1	0
CSO_Event_10	MZ490622	1410	98.5	Comamonadaceae	<i>Variovorax</i>	<i>V. boronicumulans</i>	No	1	1	1	1	1	0	0	0	1	0
CSO_Event_11	MZ490623	1412	99.9	Comamonadaceae	<i>Variovorax</i>	<i>V. boronicumulans</i>	No	1	0	0	0	0	1	0	1	1	0
CSO_Event_12	MZ490624	742	100.0	Comamonadaceae	<i>Variovorax</i>	<i>V. boronicumulans</i>	No	1	0	1	0	1	1	0	1	1	1

CSO_Event_13	MZ490625	1386	99.6	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. lactis</i>	No	1	1	1	0	1	1	0	1	1	0
CSO_Event_14	MZ490626	1386	99.6	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>C. lactis</i>	No	1	1	1	0	1	1	0	1	1	1
CSO_Event_15	MZ490627	1385	99.4	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>Chryseobacterium</i> sp.	No	1	1	1	0	1	1	0	1	0	1
CSO_Event_16	MZ490628	1388	99.4	Flavobacteriaceae	<i>Chryseobacterium</i>	<i>Chryseobacterium</i> sp.	No	1	1	1	0	1	1	0	1	0	1
CSO_Event_17	MZ490629	1403	100.0	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. protegens</i>	No	1	0	0	0	1	0	1	0	1	1
CSO_Event_18	MZ490630	1403	99.9	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. fluorescens</i>	Yes	1	0	0	0	1	0	0	0	1	1
CSO_Event_19	MZ490631	1401	99.4	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. putida</i>	Yes	1	0	0	0	1	0	0	1	1	1
CSO_Event_20	MZ490632	1405	100.0	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. fluorescens</i>	Yes	1	0	0	0	1	0	0	0	1	1
CSO_Event_21	MZ490633	1078	99.5	Pseudomonadaceae	<i>Pseudomonas</i>	sp. K94.08	No	1	0	1	0	1	0	1	0	1	1
CSO_Event_22	MZ490634	1408	99.7	Pseudomonadaceae	<i>Pseudomonas</i>	sp. K94.08	No	1	0	1	0	1	0	1	0	1	1
CSO_Event_23	MZ490635	1402	99.4	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. baetica</i>	No	1	0	0	0	1	0	1	0	1	1
CSO_Event_24	MZ490636	1399	99.3	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. fluorescens</i>	Yes	1	0	0	0	0	1	0	1	1	1
CSO_Event_25	MZ490637	1401	99.3	Pseudomonadaceae	<i>Pseudomonas</i>	<i>P. fluorescens</i>	Yes	1	0	0	0	1	0	1	0	1	1
CSO_Event_26	MZ490638	1408	99.6	Pseudomonadaceae	<i>Pseudomonas</i>	<i>Pseudomonas</i> sp.	No	1	0	0	0	1	1	0	1	1	1
CSO_Event_27	MZ490639	1361	98.8	Sphingomonadaceae	<i>Sphingopyxis</i>	sp. DC2b-16	No	1	1	1	0	1	1	1	1	1	1
CSO_Event_28	MZ490640	1361	99.3	Sphingomonadaceae	<i>Sphingopyxis</i>	<i>S. witflariensis</i>	No	1	0	0	0	1	1	0	1	1	1
CSO_Event_29	MZ490641	1412	99.1	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>Stenotrophomonas</i> sp.	No	1	1	1	0	1	1	0	1	0	1
CSO_Event_30	MZ490642	1413	99.7	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>Stenotrophomonas</i> sp.	No	1	1	1	0	1	0	0	1	1	1
CSO_Event_31	MZ490643	1419	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>Stenotrophomonas</i> sp.	No	1	1	1	0	1	0	0	1	1	1
CSO_Event_32	MZ490644	1416	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>Stenotrophomonas</i> sp.	No	1	1	1	0	1	0	0	1	0	1
CSO_Event_33	MZ490645	1091	99.7	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	1	0	1	1	1
CSO_Event_34	MZ490646	1414	99.8	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	1	0	1	1	1
CSO_Event_35	MZ490647	1410	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	1	0	1	1	1
CSO_Event_36	MZ490648	1415	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	1	0	1	1	1
CSO_Event_37	MZ490649	1417	99.5	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	1	1	1	0	1	1	1
CSO_Event_38	MZ490650	1073	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	1	0	1	0	1
CSO_Event_39	MZ490651	1083	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	1	0	1	1	1
CSO_Event_40	MZ490652	1066	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	1	0	1	1	1
CSO_Event_41	MZ490653	1415	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	0	0	0	1	1
CSO_Event_42	MZ490654	1404	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	1	1	0	0	1	0	1
CSO_Event_43	MZ490655	1415	100.0	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	1	1	0	1	0	0	0	1	1
CSO_Event_44	MZ490656	1413	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	0	0	1	1	0	0	0	0	1
CSO_Event_45	MZ490657	1419	99.9	Xanthomonadaceae	<i>Stenotrophomonas</i>	<i>S. maltophilia</i>	Yes	1	0	0	0	1	0	0	1	0	1