Supplemental Material for:

Report: Bacterial community composition of throughfall and stemflow.

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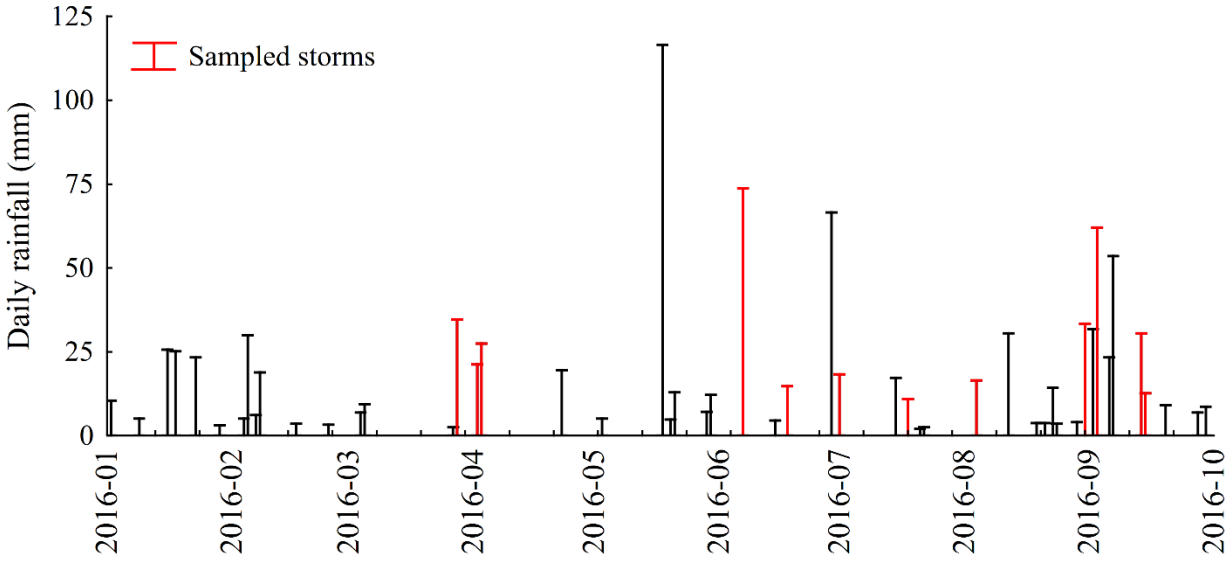


FIG S1. Daily total rainfall from January-2016 through September-2016 with the 10 sampled storms indicated by the red bars. Some storms occurred over two days and are therefore represented by two consecutive bars (i.e., April-1 and September-13).

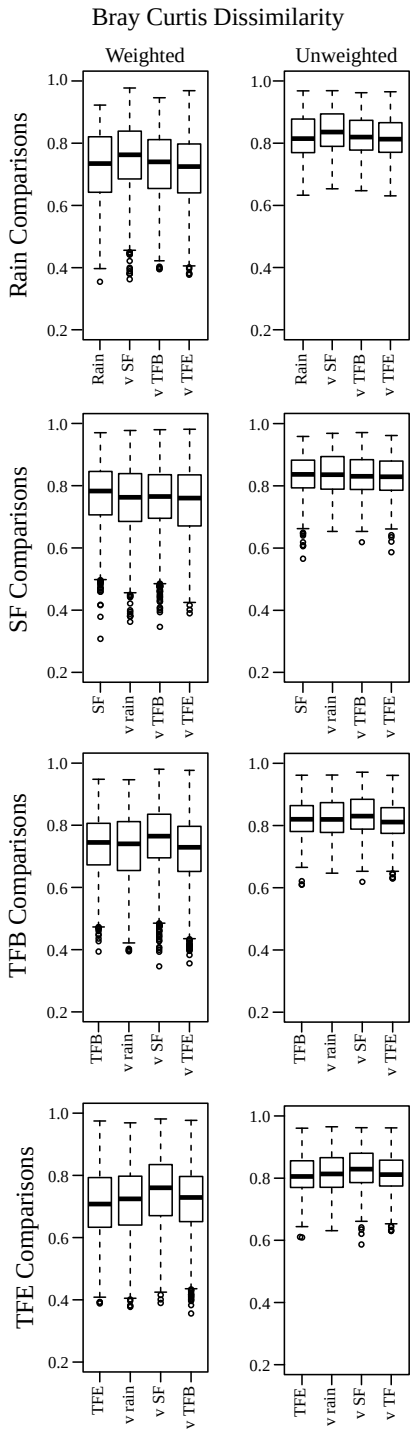


FIG S2. There was little difference in median (bar), interquartile range (box), non-outlier range (whiskers) and outliers (circles) in comparisons between fluxes‘ (or flowpaths‘) Bray-Curtis dissimilarity whether (a-d) weighted or (e-h) unweighted. Throughfall, and stemflow were abbreviated to TF and SF. TF from bare and epiphyte canopy were abbreviated to TFB and TFE.

Table S1. Storm date and meteorological characteristics for all sampled events. Data available on wunderground.com from Weather Station ID KGASAVAN23. Storm origins, prevailing direction of travel, and N-S or E-W distance between the site and origin (origins north and east of site are positive, south and west are negative)

Storm Date	Rain (mm)	Intensity ($mm\ h^{-1}$)	Mean wind ($m\ s^{-1}$)	Max wind ($m\ s^{-1}$)	Origin	Prevailing Direction	Dist. N-S	Dist. E-W
3/27/2016	34.6	0.8	1.2	6.3	NE Caribbean	S	-9°	7°
4/1/2016	48.8	3.7	1.7	8.5	NW Caribbean	SW	-12°	-2°
6/6/2016	73.7	3.2	1.2	9.4	Central Caribbean	S	-14°	8°
6/17/2016	14.7	3.5	2.1	14.3	Iowa/Missouri	NW	+8°	-18°
6/30/2016	18.3	2.6	1.0	8.1	N Gulf of Mex	W	-3°	-6°
7/17/2016	10.9	2.2	1.4	11.6	SW Florida	S	-5°	1°
8/3/2016	16.5	5.5	1.1	6.3	S Alabama	W	-1°	-5°
8/30/2016	33.4	30.8	5.9	15.3	W Sargasso Sea	E	3°	7°
9/2/2016	62.1	3.4	15.6	20.6	FL to Caribbean	NW	-8°	2°
9/13/2016	43.1	2.4	2.2	14.4	SW Sargasso Sea	E	-5°	10°

Table S2. Data summary for each sample in the study, including quality control results from sequence data analysis (described in the study's methods section) and resulting total number of operational taxonomic units (OTUs). Stemflow and throughfall from bare and epiphyte canopy abbreviated to SF, TFB and TFE, respectively.

				Sequences remaining after quality control					
Sample ID	**Storm Date yyyy-mm-dd**	**Sample Type**	**Total # of Sequences**	**Make Contigs**	**Screened Sequences**	**Chimera Removal**	**Remove Lineage**	**# of Sequences**	**# of OTUs**
14-1	2016-03-27	SF	17592	17592	13934	13820	13733	13702	131
14-11	2016-03-27	TFE	14341	14341	11430	10983	10795	10722	240
14-12	2016-03-27	TFE	26286	26286	20709	19694	18884	18733	292
14-13	2016-03-27	TFE	7422	7422	5777	5677	5584	5564	181
14-14	2016-03-27	TFB	64992	64992	54213	52329	51860	51667	1174
14-15	2016-03-27	TFB	10065	10065	7897	7790	7689	7659	165
14-16	2016-03-27	TFB	10433	10433	8259	7999	7687	7671	253
14-17	2016-03-27	TFE	27507	27507	21924	21216	20809	20685	269
14-18	2016-03-27	TFE	39530	39530	31942	30519	28890	28804	299
14-19	2016-03-27	TFE	19495	19495	15200	14106	13613	13611	636
14-2	2016-03-27	SF	13787	13787	10938	10804	10378	10369	202
14-20	2016-03-27	TFB	131007	131007	104651	87118	83248	82932	863
14-21	2016-03-27	TFB	39892	39892	32471	31662	31496	31430	664
14-22	2016-03-27	TFB	34982	34982	29283	28890	28369	28057	349
14-3	2016-03-27	SF	91059	91059	71846	63092	58576	58314	669
14-4	2016-03-27	SF	33126	33126	25325	25059	24543	24180	270
14-7	2016-03-27	Rainfall	37477	37477	30301	29435	28618	28526	249
14-8	2016-03-27	Rainfall	45185	45185	35988	34305	32985	32985	265
16-1	2016-04-01	SF	148476	148476	122090	120164	118921	118105	1451
16-11	2016-04-01	TFE	47078	47078	38366	37847	36909	36720	241
16-12	2016-04-01	TFE	42485	42485	34868	34320	33215	32918	277
16-13	2016-04-01	TFE	99776	99776	82304	81509	81079	80984	309
16-14	2016-04-01	TFB	113070	113070	96359	95073	93878	93528	364
16-15	2016-04-01	TFB	25390	25390	20848	20295	19477	19301	261
16-16	2016-04-01	TFB	39796	39796	32708	31681	31190	30997	251
16-17	2016-04-01	TFE	46857	46857	38015	37736	36962	36845	252
16-18	2016-04-01	TFE	70885	70885	54724	54114	50920	50737	324
16-19	2016-04-01	TFE	45436	45436	35333	34661	34320	34167	382
16-2	2016-04-01	SF	214118	214118	175169	173043	172767	172381	2234
16-20	2016-04-01	TFB	43244	43244	32881	32419	31636	31404	286
16-21	2016-04-01	TFB	52784	52784	39676	38980	38219	38108	334
16-22	2016-04-01	TFB	380787	380787	286263	284218	282937	281715	1226
16-3	2016-04-01	SF	193856	193856	154888	152627	151413	149172	1456

16-4	2016-04-01	SF	75937	75937	63543	62806	62515	62052	1015
16-7	2016-04-01	Rainfall	106211	106211	88667	87282	86962	85881	1220
16-8	2016-04-01	Rainfall	44417	44417	36425	35911	34985	34635	240
16-9	2016-04-01	Rainfall	38126	38126	30894	30466	29595	29240	254
17-1	2016-06-06	SF	155487	155487	120682	118910	117810	117152	697
17-11	2016-06-06	TFE	59991	59991	46643	46202	45044	44847	303
17-12	2016-06-06	TFE	54730	54730	42696	41585	40845	40407	240
17-13	2016-06-06	TFE	39246	39246	31055	30521	29732	29414	231
17-14	2016-06-06	TFB	43828	43828	33535	32594	32119	31891	238
17-15	2016-06-06	TFB	180	180	24	24	23	23	18
17-16	2016-06-06	TFB	163	163	26	24	24	24	18
17-18	2016-06-06	TFE	36081	36081	27829	27280	27038	27038	288
17-19	2016-06-06	TFE	18686	18686	14162	13725	13531	13413	223
17-2	2016-06-06	SF	36315	36315	28317	27625	27310	27281	322
17-20	2016-06-06	TFB	17192	17192	13624	13406	13296	13239	245
17-21	2016-06-06	TFB	82	82	15	15	15	15	15
17-22	2016-06-06	TFB	31070	31070	24423	23967	23834	23648	318
17-3	2016-06-06	SF	45254	45254	35328	34334	33942	33715	262
17-4	2016-06-06	SF	25638	25638	19240	18845	18706	18569	328
17-7	2016-06-06	Rainfall	69383	69383	53841	52477	52034	51663	270
17-8	2016-06-06	Rainfall	44078	44078	33987	33454	32818	32687	278
17-9	2016-06-06	Rainfall	89830	89830	68829	67745	67091	66731	316
18-1	2016-06-17	SF	25798	25798	20312	19446	19384	18935	2122
18-11	2016-06-17	TFE	38849	38849	30653	29310	29188	28505	2261
18-15	2016-06-17	TFB	35342	35342	28019	26706	26563	25945	2337
18-16	2016-06-17	TFB	24540	24540	18723	17929	17832	17430	2087
18-17	2016-06-17	TFE	26752	26752	21944	21017	20943	20454	2202
18-18	2016-06-17	TFE	59818	59818	47236	45955	44522	44228	398
18-19	2016-06-17	TFE	23663	23663	17897	17198	16705	16593	149
18-2	2016-06-17	SF	73854	73854	58440	56036	55735	54227	2636
18-20	2016-06-17	TFB	17910	17910	14142	13548	13501	13166	1985
18-22	2016-06-17	TFB	15519	15519	12533	11993	11938	11622	1921
18-3	2016-06-17	SF	45954	45954	36372	34881	34779	33999	2401
18-4	2016-06-17	SF	54426	54426	42924	41294	41169	40324	2475
18-7	2016-06-17	Rainfall	37118	37118	30064	28857	28723	28061	2253
18-8	2016-06-17	Rainfall	58211	58211	47001	45180	44962	43841	2466
18-9	2016-06-17	Rainfall	41403	41403	33349	31919	31708	30841	2366
19-1	2016-06-30	SF	54967	54967	43124	42241	41772	41339	339
19-11	2016-06-30	TFE	166746	166746	133753	122734	119894	118630	992
19-12	2016-06-30	TFE	65070	65070	49896	49191	48448	48285	378
19-13	2016-06-30	TFE	39923	39923	30112	29600	29122	28991	381

19-14	2016-06-30	TFB	48261	48261	38766	38416	37718	37428	317
19-15	2016-06-30	TFB	41954	41954	33441	32814	32260	32043	339
19-16	2016-06-30	TFB	24084	24084	19242	19041	18704	18547	283
19-17	2016-06-30	TFE	277085	277085	221213	212580	202708	201338	2576
19-18	2016-06-30	TFE	85252	85252	66580	64989	63971	63349	424
19-19	2016-06-30	TFE	63144	63144	49169	48455	48007	47693	377
19-2	2016-06-30	SF	52840	52840	40593	39932	39670	39340	448
19-20	2016-06-30	TFB	39638	39638	30800	30197	29718	29204	382
19-21	2016-06-30	TFB	59037	59037	47273	46763	46136	45719	354
19-22	2016-06-30	TFB	261216	261216	210787	205025	199969	198727	938
19-3	2016-06-30	SF	11746	11746	9432	9277	9211	9140	331
19-4	2016-06-30	SF	158236	158236	128253	114859	113640	113147	6149
19-7	2016-06-30	Rainfall	14967	14967	11541	11283	11142	11095	300
19-8	2016-06-30	Rainfall	103379	103379	83659	76529	73911	72717	652
19-9	2016-06-30	Rainfall	66263	66263	53846	49459	47861	46809	604
20-1	2016-07-17	SF	122636	122636	99192	97146	94809	94156	552
20-11	2016-07-17	TFE	26025	26025	21512	21487	21232	21232	107
20-12	2016-07-17	TFE	73519	73519	59361	59012	58628	58338	231
20-14	2016-07-17	TFB	15250	15250	11649	11575	11505	11444	75
20-2	2016-07-17	SF	115471	115471	92031	89620	87843	85585	581
20-22	2016-07-17	TFB	28117	28117	21590	20888	20086	19698	267
20-3	2016-07-17	SF	20474	20474	15444	15337	15105	15058	154
20-4	2016-07-17	SF	51411	51411	41894	41489	40680	40533	305
20-8	2016-07-17	Rainfall	38440	38440	30621	30402	30200	30157	124
20-9	2016-07-17	Rainfall	34945	34945	26882	26541	26470	26262	117
21-1	2016-08-13	SF	56651	56651	45291	44923	44779	44779	178
21-11	2016-08-13	TFE	17475	17475	12668	12442	11743	11699	140
21-12	2016-08-13	TFE	233006	233006	184984	173643	171757	169974	1694
21-13	2016-08-13	TFE	184935	184935	145307	138993	137544	136419	1190
21-14	2016-08-13	TFB	10331	10331	7239	6881	6333	6333	95
21-15	2016-08-13	TFB	87519	87519	60029	53693	45337	44946	406
21-16	2016-08-13	TFB	30244	30244	20776	19008	16907	16839	270
21-17	2016-08-13	TFE	24968	24968	19480	19078	18577	18514	215
21-18	2016-08-13	TFE	25532	25532	19936	19221	18721	18625	320
21-19	2016-08-13	TFE	409731	409731	320959	308296	307300	307004	3738
21-2	2016-08-13	SF	61968	61968	49336	48292	48119	47235	532
21-20	2016-08-13	TFB	215203	215203	170574	166452	166178	165648	3093
21-21	2016-08-13	TFB	34011	34011	26215	25907	25737	25702	325
21-22	2016-08-13	TFB	66723	66723	50686	50211	49497	49382	478
21-3	2016-08-13	SF	364576	364576	280600	272552	272373	272282	658
21-4	2016-08-13	SF	91592	91592	70281	69379	69286	68967	240

21-7	2016-08-13	Rainfall	21154	21154	15329	15010	13783	13717	158
21-8	2016-08-13	Rainfall	18600	18600	14186	13789	13141	13057	148
21-9	2016-08-13	Rainfall	10786	10786	7601	7272	6870	6870	112
22-1	2016-08-30	SF	96902	96902	71662	70534	69459	68785	432
22-11	2016-08-30	TFE	35502	35502	27158	26865	26794	26617	234
22-12	2016-08-30	TFE	74999	74999	54442	53581	53132	52981	275
22-13	2016-08-30	TFE	71423	71423	56390	55647	55110	54867	373
22-14	2016-08-30	TFB	57015	57015	45140	44716	44389	44311	233
22-15	2016-08-30	TFB	83524	83524	55149	54292	53607	53286	237
22-16	2016-08-30	TFB	32961	32961	26526	26281	25994	25892	221
22-17	2016-08-30	TFE	24516	24516	19282	19076	18855	18854	144
22-18	2016-08-30	TFE	47169	47169	35736	35295	35145	34845	192
22-19	2016-08-30	TFE	67905	67905	50359	50077	50056	50008	187
22-2	2016-08-30	SF	70172	70172	55387	54884	54204	54184	367
22-20	2016-08-30	TFB	65638	65638	49608	49187	48839	48781	193
22-21	2016-08-30	TFB	23472	23472	19621	19181	18861	18812	95
22-22	2016-08-30	TFB	38483	38483	31708	31540	31432	31388	130
22-3	2016-08-30	SF	211816	211816	164471	161830	160184	159331	498
22-4	2016-08-30	SF	47980	47980	37393	36642	36255	36154	258
22-7	2016-08-30	Rainfall	31217	31217	23851	23585	23345	23308	224
22-8	2016-08-30	Rainfall	44180	44180	34102	33734	33341	33095	216
22-9	2016-08-30	Rainfall	34381	34381	26531	26276	25748	25579	240
24-1	2016-09-02	SF	20257	20257	16573	16510	16510	16509	181
24-11	2016-09-02	TFE	46495	46495	37981	37575	37096	36790	146
24-12	2016-09-02	TFE	32950	32950	25750	25614	25343	25164	158
24-14	2016-09-02	TFB	42449	42449	29921	29079	26824	26494	234
24-15	2016-09-02	TFB	68751	68751	51046	49140	46184	45084	344
24-16	2016-09-02	TFB	109158	109158	74156	64165	54538	54456	374
24-17	2016-09-02	TFE	422680	422680	275006	225764	201652	200805	1929
24-18	2016-09-02	TFE	76895	76895	56075	53216	48666	48238	316
24-19	2016-09-02	TFE	48270	48270	31975	30063	27940	27843	254
24-2	2016-09-02	SF	17671	17671	14010	13868	13730	13428	111
24-20	2016-09-02	TFB	44755	44755	31945	31107	28497	28245	181
24-21	2016-09-02	TFB	29737	29737	20116	18716	17080	17014	215
24-22	2016-09-02	TFB	65757	65757	45302	42828	40048	39921	291
24-3	2016-09-02	SF	49580	49580	40440	40256	39779	39778	228
24-4	2016-09-02	SF	26586	26586	22112	21986	21947	21885	141
24-7	2016-09-02	Rainfall	20214	20214	16362	16203	16021	16021	82
24-8	2016-09-02	Rainfall	13799	13799	10973	10870	10468	10468	86
24-9	2016-09-02	Rainfall	27315	27315	22366	22008	21866	21671	157
25-1	2016-09-13	SF	176600	176600	137952	134768	133489	133360	877

25-11	2016-09-13	TFE	121529	121529	95599	92836	91706	91604	457
25-12	2016-09-13	TFE	177124	177124	139144	136180	135498	135441	715
25-13	2016-09-13	TFE	35174	35174	27188	26950	26827	26755	305
25-14	2016-09-13	TFB	16372	16372	12223	12112	12058	12025	234
25-15	2016-09-13	TFB	7374	7374	5751	5693	5655	5638	175
25-16	2016-09-13	TFB	17176	17176	13555	13419	13290	13274	231
25-17	2016-09-13	TFE	24035	24035	19136	18984	18786	18747	226
25-18	2016-09-13	TFE	29349	29349	23180	22917	22781	22779	299
25-19	2016-09-13	TFE	21177	21177	16548	16392	16151	16123	266
25-2	2016-09-13	SF	155870	155870	120846	117845	116895	116646	810
25-20	2016-09-13	TFB	10638	10638	8247	8113	8054	8003	337
25-21	2016-09-13	TFB	28456	28456	22005	21746	21682	21652	323
25-22	2016-09-13	TFB	36600	36600	29007	28240	27775	27682	344
25-3	2016-09-13	SF	161308	161308	127214	123744	121748	121605	886
25-4	2016-09-13	SF	197599	197599	151053	146704	144345	144298	596
25-7	2016-09-13	Rainfall	38077	38077	28546	27456	25137	24999	210
25-8	2016-09-13	Rainfall	52877	52877	38012	36461	35049	35048	196
25-9	2016-09-13	Rainfall	51580	51580	38421	37322	36459	36347	240