

## Pre-rain plot 1 10 - 20 cm

Organism name	bin length	Partial to near		Bins/Meg	GC%	coverage	# contigs	# features	longest contig	RP		BSCG		ASCG		completo n status
		complete	abins							Inventory	RP	Inventory	BSCG	Inventory	ASCG	
										(total: 55)	multiple	(total: 51)	multiple	(total: 38)	multiple	
13_1_20cm_UNK	2.72E+08				60.56	14.73	132399	383256	58324	54	53	51	51	38		38 megabin
13_1_20cm_virus_1	4648				42.62	67745.32	1	7	4648	0	0	0	0	0		0 partial
13_1_20CM_Alphaproteobacteria_megabin_63_14	38528272				62.83	13.9	20676	51307	21416	53	52	51	51	13		12 megabin
13_1_20CM_Chloroflexi_megabin_53_42	4859784				53.05	42.11	2203	5680	8307	39	13	37	17	13		8 partial
13_1_20CM_Chloroflexi_megabin_67_15	11414150				67.09	15.55	6586	14173	10021	34	22	40	28	12		8 partial
13_1_20CM_Chloroflexi_megabin_53_13	25232114				52.74	13.29	13569	31767	24402	51	50	47	44	15		14 megabin
13_1_20CM_Gemmatimonadetes_megabin_68_21	14062384				67.75	22.04	6294	17231	49383	53	52	50	49	15		13 megabin
13_1_20CM_Verrucomicrobia_megabin_56_12	17936976				55.91	12.87	9427	23553	18202	50	50	50	49	15		14 megabin
13_1_20CM_Acidobacteria_megabin_56_12	27798107				55.91	12.77	14189	33235	25502	53	53	51	51	16		16 megabin
13_1_20CM_Acidobacteria_megabin_65_14	7795168				64.66	13.55	4266	9223	15279	51	48	49	44	14		7 megabin
13_1_20CM_Methyloirabilis_megabin_70_15	15032576				69.77	14.86	6709	20690	18460	52	49	51	47	15		14 megabin
13_1_20CM_Actinobacteria_megabin_69_28	9458937				68.9	27.49	4939	12358	13300	52	52	51	50	16		14 megabin
13_1_20CM_Actinobacteria_megabin_70_12	71381526				69.65	12.41	37007	98427	28278	52	52	51	51	18		17 megabin
13_1_20CM_Deltaproteobacteria_megabin_68_15	17161323				68.06	14.96	9128	21728	17333	51	51	49	48	14		12 megabin
13_1_20CM_Betaproteobacteria_megabin_65_20	6515059				65.28	23.55	5280	8346	18745	51	46	51	48	15		12 megabin
13_1_20CM_Betaproteobacteria_megabin_64_11	13286508				63.93	11.15	7171	17909	20689	50	45	50	44	16		12 megabin
13_1_20CM_Gemmatimonadetes_69_28	2375461	2375461			68.84	28.09	154	2332	41155	9	1	9	1	4		1 partial
13_1_20CM_Chloroflexi_66_33	793227	793227			66.32	33.26	64	815	37216	24	0	12	0	2		0 partial
13_1_20CM_Archaea_52_20	762164	762164			52.18	20.25	69	801	28724	17	2	4	0	16		0 partial
13_1_20CM_Methyloirabilis_70_15	912272	912272			69.59	15.42	84	1004	22951	4	0	2	0	0		0 partial
13_1_20CM_Chloroflexi_54_36	1338217	1338217			54.37	36.24	117	1349	30171	24	0	22	0	2		0 partial
13_1_20CM_Chloroflexi_50_12	540597	540597			49.94	11.85	49	616	51310	21	0	16	0	1		0 partial
13_1_20CM_Betaproteobacteria_67_22	169873	169873			67.09	22.32	18	194	13809	18	1	19	0	1		0 partial
13_1_20CM_Acidobacteria_58_21	3920195	3920195			57.88	20.66	240	3510	51722	33	0	31	1	9		1 partial
13_1_20CM_Verrucomicrobia_54_28	2281644	2281644			54.14	28.07	119	2181	48122	42	1	37	0	8		0 partial
13_1_20CM_Gemmatimonadetes_66_74_partial	53692				66.33	75.08	25	62	9386	16	1	15	0	2		0 partial
13_1_20CM_Gemmatimonadetes_69_60_partial	120514				68.75	59.33	70	161	10017	18	0	18	0	2		0 partial
13_1_20CM_Gemmatimonadetes_69_52_partial	202485				69	52.54	95	273	13883	18	0	19	2	1		1 partial
Sum	5.66E+08	13093650		2%												
Count	28	9		32%												

## Four days after first rain plot 1 10 - 20 cm

Organism name	bin length	Partial to near		Bins/Meg	GC%	coverage	# contigs	# features	longest contig	RP		BSCG		ASCG		completo n status
		complete	abins							Inventory	RP	Inventory	BSCG	Inventory	ASCG	
										(total: 55)	multiple	(total: 51)	multiple	(total: 38)	multiple	
13_1_20CM_2_UNK	3.02E+08				62.48	9.24	129447	419029	101778	54	53	51	51	38		35 megabin
13_1_20CM_2_Archaea_Thermoplasmatales_64_100	253661				64.17	91.68	95	349	16827	22	1	6	0	21		1 partial
13_1_20CM_2_Thaumarchaeota_39_11	451093				39.35	18.63	134	606	7908	3	0	1	0	15		3 partial
13_1_20CM_2_Thaumarchaeota_38_5	442543				37.95	8.59	144	577	7895	2	0	0	0	11		3 partial
13_1_20CM_2_Gemmatimonadetes-rel_maybe_71-24_part	964988				70.54	41.03	307	1320	15349	8	1	7	1	3		0 partial
13_1_20CM_2_Novel_55_9	1736449				54.67	15.67	452	2153	16489	13	2	4	0	2		0 partial
13_1_20CM_2_Deltaproteobacteria_megabin_68_13	1862494				68.13	21.42	737	2125	14005	20	2	19	2	7		3 partial
13_1_20CM_2_Archaea_51_12	3289518				51.61	20.05	483	3973	61193	10	0	5	2	12		3 partial
13_1_20CM_2_Archaea_MCG_51_8	3613112				51.58	13.71	944	4711	71911	9	2	4	1	11		4 partial
13_1_20CM_2_Deltaproteobacteria_megabin_68_7	19570670				67.95	7.46	11702	24471	17114	49	44	48	43	13		12 megabin
13_1_20CM_2_Deltaproteobacteria_megabin_56_5	7146664				55.8	5.44	4267	8477	20081	42	33	44	35	11		7 megabin
13_1_20CM_2_Alphaproteobacteria_megabin_64_6	25684884				64.28	6.97	15877	34007	18020	47	39	45	37	13		9 megabin
13_1_20CM_2_Betaproteobacteria_megabin_64_7	22582789				64.26	7.33	13565	30524	17643	52	51	51	51	15		14 megabin
13_1_20CM_2_Gammaproteobacteria_megabin_63_6	13185561				62.88	6.65	8426	16126	11871	15	5	15	9	7		3 partial
13_1_20CM_2_Proteobacteria_megabin_65_9	21830755				64.88	9.44	7672	30925	41238	42	21	34	19	11		6 partial
13_1_20CM_2_Gemmatimonadetes_megabin_67_6	8316215				67.1	7.03	4159	10294	36460	52	48	49	49	13		12 megabin
13_1_20CM_2_Actinobacteria_megabin_66_6	32885460				66.32	6.41	20276	44293	19608	51	51	51	51	17		14 megabin
13_1_20CM_2_Gemmatimonadetes_megabin_69_23	8618661				68.97	20.82	2879	10148	47444	53	51	51	50	13		12 megabin
13_1_20CM_2_Acidobacteria_megabin_59_6	39710864				58.63	6.83	21029	45978	31137	53	52	51	51	15		15 megabin
13_1_20CM_2_Firmicutes_megabin_67_9	13692972				67.34	9	8201	18110	21641	52	52	50	50	19		14 megabin
13_1_20CM_2_Chloroflexi_megabin_67_8	13116783				66.97	7.99	7607	16268	36828	40	18	39	19	12		11 partial
13_1_20CM_2_Nitrospirae_megabin_62_12	1607493				63.25	32.08	835	2241	8463	39	21	39	17	7		3 partial
13_1_20CM_2_Verrucomicrobia_megabin_58_5	15474218				58.18	5.1	8958	19382	12700	51	50	49	49	15		15 megabin
13_1_20CM_2_Firmicutes_megabin_55_6	4924225				55.07	6.28	3140	6001	7828	33	11	32	14	9		6 partial
13_1_20CM_2_Chloroflexi_megabin_53_5	7640243				53.21	4.65	4855	9943	14029	40	22	37	24	13		7 partial
13_1_20CM_2_Archaea_megabin_64_15	14674057				63.83	15.73	7458	19308	22411	41	38	29	25	38		38 megabin
13_1_20CM_2_Archaea_megabin_51_10	20834786				50.75	10.15	7736	25500	107600	41	38	29	25	38		38 megabin
13_1_20CM_2_Nitrospirae_megabin_63_13	1373296				62.17	12.99	553	1666	27881	30	4	32	5	4		0 partial
13_1_20CM_2_Nitrospirae_megabin_61_5	3714973				60.51	5.11	2277	4789	8299	31	3	35	8	9		5 partial
13_1_20CM_2_Novel_70_7	2175604	2175604			69.35	6.75	165	2380	40659	17	1	11	0	7		1 partial
13_1_20CM_2_Rokubacteria_69_58	2617030	2617030			69.97	58.53	375	2987	41392	46	1	46	3	11		1 near
13_1_20CM_2_Novel_70_9	1564845	1564845			70.3	8.54	109	1677	59505	28	0	31	0	10		0 partial
13_1_20CM_2_Novel_68_14	2223188	2223188			67.98	13.83	141	2098	82545	15	0	15	1	7		0 partial
13_1_20CM_2_Deltaproteobacteria_69_21	2852113	2852113			68.46	21.21	187	2899	41229	30	1	29	3	6		0 partial
13_1_20CM_2_Actinobacteria_66_18	1426442	1426442			65.94	18.13	104	1516	42156	19	0	19	0	4		0 partial
13_1_20CM_2_Novel_65_9	4585906	4585906			64.87	9.32	313	4177	41922	13	1	12	0	7		0 partial
13_1_20CM_2_Actinobacteria_65_11	2460926	2460926			65.31	11	96	2608	97298	17	1	18	0	9		0 partial
13_1_20CM_2_Acidobacteria_60_10	2172905	2172905			60.02	10.09	166	2006	32164	32	0	36	0	10		1 partial
13_1_20CM_2_Acidobacteria_55_15	3487967	3487967			55.45	15.48	211	3457	61806	45	0	46	0	14		0 near
13_1_20CM_2_Novel_68_7	1665476	1665476			67.93	6.77	137	1544	30448	12	1	11	0	4		1 partial
13_1_20CM_2_Gemmatimonadetes_70_10	1584817	1584817			70.04	10.12	98	1619	49180	20	0	22	3	8		0 partial
13_1_20CM_2_Nitrospirae_62_14	1028956	1028956			62.21	13.96	174	1053	41113	11	0	10	0	8		0 partial
13_1_20CM_2_Acidobacteria_57_8	1112052	1112052			56.53	7.59	105	1135	21774	21	0	20	0	5		0 partial
13_1_20CM_2_Chloroflexi_59_7	1808416	1808416			58.68	6.63	154	1800	27929	34	3	31	2	7		1 partial
13_1_20CM_2_Rokubacteria_68_19	2818324	2818324			68.3	19.24	186	3054	56673	22	1	26	1	11		0 partial
13_1_20CM_2_Archaea_megabin_38_9	1136162	1136162			37.8	9.26	68	1347	52505	30	2	12	0	25		1 partial
13_1_20CM_2_Archaea_SAGMCG_39_20	1067158	1067158			39.02	19.75	61	1255	62635	30	1	9	1	18		0 partial
13_1_20CM_2_Archaea_MCG_53_14	1549201	1549201														

Organism name	bin length	Partial to	Bins/Meg	GC%	coverage	# contigs	# features	RP		BSCG		ASCG		completo	n status
		near						Inventory	RP	Inventory	BSCG	Inventory	ASCG		
		complete	abins				longest	(total: 55)	multiple	(total: 51)	multiple	(total: 38)	multiple		
13_1_20cm_3_UNK	2.4E+08				61.31	7.11	101274	335013	118830	55	53	51	51	25	19 megabin
13_1_20CM_3_Gemmatimonas_aurantiaca_60_15	897127				60.28	14.51	298	1066	7995	35	1	30	0	8	2 partial
13_1_20CM_3_Alphaproteobacteria_megabin_62_7	5391795				61.82	7.6	2026	7983	9288	41	30	33	13	10	7 partial
13_1_20CM_3_Rhodocyclales_megabin_66_7	2155558				65.94	7.37	1199	2932	12318	40	16	35	14	8	3 partial
13_1_20CM_3_Actinobacteridae_megabin_60_6	68596191				69.03	6.76	35763	92249	25710	52	52	51	51	18	17 megabin
13_1_20CM_3_Alphaproteobacteria_megabin_63_6	38116484				63.32	6.71	22501	50498	15190	53	53	51	51	15	13 megabin
13_1_20CM_3_Actinobacteria_megabin_70_7	45061265				70.04	7.59	21646	63851	53340	52	52	51	51	18	17 megabin
13_1_20CM_3_Betaproteobacteria_megabin_65_6	20205575				64.94	6.92	10750	27317	21724	52	48	50	44	16	14 megabin
13_1_20CM_3_Deltaproteobacteria_megabin_65_6	21447536				65.15	6.51	11976	26344	22151	53	49	51	46	14	11 megabin
13_1_20CM_3_Fungi_48_4	18107678				47.69	4.47	8966	20345	23198	30	10	5	2	17	10 partial
13_1_20CM_3_Chloroflexi_megabin_53_7	15700182				52.95	7.51	8195	19393	8177	52	48	45	41	14	12 megabin
13_1_20CM_3_Verrucomicrobia_megabin_56_15	2068733				56.01	14.56	767	2460	8730	44	26	35	17	13	5 partial
13_1_20CM_3_Acidobacteria_megabin_58_5	35100898				58.25	5.43	19828	43199	11581	53	53	51	49	17	15 megabin
13_1_20CM_3_Verrucomicrobia_megabin_57_6	32748512				56.74	5.95	16770	42189	21688	51	51	50	49	17	17 megabin
13_1_20CM_3_Proteobacteria_megabin_63_7	24206792				63.57	7.49	11427	32626	39168	36	29	33	23	12	10 partial
13_1_20CM_3_Gemmatimonadetes_megabin_65_8	17202658				64.7	7.94	7254	21168	38437	53	53	51	51	16	15 megabin
13_1_20CM_3_Chloroflexi_megabin_68_7	17201551				67.52	7.06	9527	21527	16209	49	45	48	46	14	10 megabin
13_1_20CM_3_Firmicutes_megabin_68_7	8490665				67.41	7.33	5095	11160	22014	50	48	50	47	14	10 megabin
13_1_20CM_3_Methylomirabilis_megabin_69_6	8575535				69.06	6.55	4432	11774	13509	46	43	43	37	12	9 megabin
13_1_20CM_3_Cyanobacteria_megabin_60_6	10051784				60.02	5.88	6146	11385	34186	4	2	4	0	4	1 partial
13_1_20CM_3_Bacteroidetes_megabin_54_5	9600510				54.08	5.43	5714	11243	10736	39	13	34	8	11	5 partial
13_1_20CM_3_Archaea_megabin_66_7	2790111				65.21	7.54	1594	3711	12970	32	24	15	8	34	20 megabin
13_1_20CM_3_Archaea_megabin_53_6	1513093				52.45	5.93	761	1897	13374	30	11	9	1	35	9 megabin
13_1_20CM_3_Archaea_megabin_36_3	1143233				36.23	3.26	779	1590	4664	16	3	3	1	17	7 partial
13_1_20CM_3_Actinobacteria_68_10	1191042	1191042			67.88	10.36	98	1325	26599	7	0	7	0	7	0 partial
13_1_20CM_3_Actinobacteria_71_11	6222268	6222268			71.18	11.36	444	6432	49005	42	4	35	4	12	5 partial
13_1_20CM_3_Chloroflexi_54_15	3194828				53.56	14.5	259	3112	30397	32	0	29	2	8	2 partial
13_1_20CM_3_Acidobacteria_58_11	2802244	2802244			58.54	11.42	199	2620	43135	16	2	12	0	5	0 partial
CONTAMINANT_13_1_20CM_3_Alphaproteobacteria_6															
4_12	1874975	1874975			64.11	11.6	162	1975	27149	33	1	28	0	5	0 partial
13_1_20CM_3_Actinobacteria_68_9	2365548	2365548			68.89	8.68	152	2555	65518	46	1	46	1	9	1 near
13_1_20CM_3_Actinobacteria_70_7	5807638	5807638			69.84	6.89	415	5747	48528	36	5	31	3	8	2 partial
13_1_20CM_3_Betaproteobacteria_63_8	1956095	1956095			62.6	7.85	167	2069	27067	36	3	34	3	7	2 partial
13_1_20CM_3_Acidobacteria_53_8	6121216	6121216			52.84	8.55	155	5562	252073	48	1	48	0	14	1 near
13_1_20CM_3_Verrucomicrobia_54_17	2455393	2455393			54.18	16.89	143	2436	67045	40	1	35	0	10	0 partial
Sum	6.8E+08	30796419		5%											
Count		34	9	26%											

2 days after second rain plot 1 10 - 20 cm

Organism name	bin length	Partial to	Bins/Meg	GC%	coverage	# contigs	# features	RP		BSCG		ASCG		completo	n status
		near						Inventory	RP	Inventory	BSCG	Inventory	ASCG		
		complete	abins				longest	(total: 55)	multiple	(total: 51)	multiple	(total: 38)	multiple		
13_1_20cm_4_UNK	1.85E+08				63	7.77	80947	265900	97665	53	53	51	51	30	22 megabin
13_1_20CM_4_Delftia_acidovorans_67_18	6412626				66.65	29.66	53	5784	538623	52	1	51	0	13	0 near
13_1_20CM_4_Ktedonobacteria_53_7	1539877				52.68	11.32	448	1651	8036	10	0	9	0	4	0 partial
13_1_20CM_4_Rokubacteria_70_13	650906				70.38	13.21	256	814	12613	22	3	25	3	4	2 partial
13_1_20CM_4_GAL15_megabin_65_7	2394148				65.04	6.52	837	2904	17102	47	12	44	15	10	8 megabin
13_1_20CM_4_Nitrospirae_megabin_61_6	6128098				60.64	6.51	2509	7580	19329	46	38	47	38	14	11 megabin
13_1_20CM_4_Alphaproteobacteria_megabin_64_7	36316066				63.59	7.19	21492	48762	18319	53	52	51	49	11	11 megabin
13_1_20CM_4_Actinobacteria_megabin_69_7	59267558				69.03	6.86	33556	81766	19964	53	51	51	51	17	17 megabin
13_1_20CM_4_Euryarchaeota_megabin_65_10	4239442				64.58	10.95	2173	5487	36829	37	30	21	14	38	32 megabin
13_1_20CM_4_Euryarchaeota_52_7	1565737				52.36	7.57	883	1897	18873	22	12	7	3	21	16 partial
13_1_20CM_4_Archaea_megabin_64_10	1174542				63.57	10.5	535	1488	43329	4	0	4	1	13	4 partial
13_1_20CM_4_Archaea_megabin_52_8	3748098				51.85	8.1	1490	4742	24296	36	31	16	11	36	32 megabin
13_1_20CM_4_Archaea_megabin_37_4	1442506				36.21	4.82	603	2057	24383	31	5	12	6	37	12 megabin
13_1_20CM_4_Deltaproteobacteria_megabin_68_7	19760215				68.48	8	9844	24206	36640	52	49	50	47	17	13 megabin
13_1_20CM_4_Betaproteobacteria_megabin_65_8	21891023				64.82	8.29	12916	29846	23303	52	51	51	50	15	13 megabin
13_1_20CM_4_Acidobacteria_megabin_58_6	45609096				57.85	6.17	25146	55572	17558	53	53	51	51	16	15 megabin
13_1_20CM_4_Proteobacteria_megabin_63_8	29093346				63.03	7.86	14972	38684	41144	44	32	43	37	17	14 megabin
13_1_20CM_4_Gemmatimonadetes_megabin_67_9	17470607				66.68	9.15	8084	21615	37703	53	53	51	50	16	14 megabin
13_1_20CM_4_Methylomirabilis_megabin_69_7	17403923				69.5	7.65	7910	23267	33658	51	50	50	48	14	13 megabin
13_1_20CM_4_Verrucomicrobia_megabin_57_6	20520797				56.67	6.27	11859	26742	14913	51	50	50	49	16	15 megabin
13_1_20CM_4_Chloroflexi_megabin_62_6	21422472				62.39	6.61	12661	27092	12562	49	48	50	49	14	12 megabin
13_1_20CM_4_Firmicutes_megabin_64_7	9992075				64.26	7.32	6345	13076	13274	50	44	49	46	16	12 megabin
13_1_20CM_4_Bacteroidetes_60_6	5944011				60.62	6.87	3728	6853	25239	12	1	11	2	5	1 partial
13_1_20CM_4_Cyanobacteria_61_6	5758731				60.73	6.14	3730	6540	9277	6	2	5	1	2	1 partial
13_1_20CM_4_Rokubacteria_megabin_66_7	4198491				66.63	7.2	2477	5355	10572	13	7	16	9	8	3 partial
13_1_20CM_4_Fungi_44_6	3006783				41.91	6.32	1892	3569	18980	5	1	1	0	4	2 partial
13_1_20CM_4_virus_53_5	17017				51.89	4.17	12	20	2309	0	0	0	0	0	0 partial
13_1_20CM_4_Gemmatimonadetes_69_16	2835016	2835016			69.13	15.82	88	2736	162773	30	1	26	0	10	0 partial
13_1_20CM_4_Rokubacteria_68_9	4240272	4240272			68.29	9.48	240	4636	124098	50	2	45	1	12	0 near
13_1_20CM_4_Verrucomicrobia_54_11	2851651	2851651			54.28	11.19	168	2830	65602	45	4	44	3	12	3 near
13_1_20CM_4_Chloroflexi_53_11	2649496	2649496			53.43	10.83	212	2525	35378	39	1	36	1	10	3 partial
13_1_20CM_4_Acidobacteria_57_11	2007395	2007395			56.79	10.59	164	1908	50789	1	0	3	1	2	1 partial
13_1_20CM_4_Chloroflexi_66_7	652077	652077			66.27	6.79	64	700	19342	15	0	18	0	3	0 partial
13_1_20CM_4_Gemmatimonadetes_66_11	3107513	3107513			65.85	10.97	120	3112	132319	43	0	43	2	10	0 near
13_1_20CM_4_Archaea_Thermoplasmales_42_14	998369	998369			63.74	14.37	76	1124	43307	24	2	7	0	23	1 partial
13_1_20CM_4_Rokubacteria_70_14	3352455	3352455			69.93	14.22	177	3560	73047	36	3	36	2	10	0 partial
13_1_20CM_4_Actinobacteria_68_12	1425745	1425745			68.3	12.33	109	1545	29921	9	0	11	0	6	0 partial
13_1_20CM_4_Acidobacteria_56_7	2987195	2987195			55.52	6.97	239	2968	43113	44	10	40	6	12	4 partial
13_1_20CM_4_Verrucomicrobia_55_9	590700	590700			55.37	9.22	53	617	16557	15	2	9	1	4	0 partial
13_1_20CM_4_Actinobacteria_69_9	1895327	1895327			69.48	9.42	135	2236	37235	31	1	35	1	12	1 partial
13_1_20CM_4_Alphaproteobacteria_65_11	584984	584984			65.46	10.81	48	651	24206	28	0	26	0	3	0 partial
13_1_20CM_4_Armatimonadetes_65_7	197337	197337			64.5	6.74	18	216	16301	19	0	19	0	1	0 partial
13_1_20CM_4_Novel_66_15	251877	251877			65.96	15.27	24	300	19140	21	0	18	0	0	0 partial
13_1_20CM_4_Nitrospirae_62_6	285956	285956			62.32	5.76	26								



Count 24 22 92%

Four days after first rain plot 1 30 - 40 cm

Organism name	bin length	Partial to near		Bins/Meg	GC%	coverage	# contigs	# features	longest contig	RP		BSCG		ASCG		completi n status
		complete	abins							Inventory (total: 55)	RP multiple	Inventory (total: 51)	BSCG multiple	Inventory (total: 38)	ASCG multiple	
13_1_40cm_2_UNK	1.43E+08				59.61	6.35	67659	216865	114328	54	51	51	49	38	38	megabin
13_1_40CM_2_Rokubacteria_70_45	2114328				69.87	45.08	328	2343	35736	41	1	39	0	11	0	partial
13_1_40CM_2_Myxococcales_68_15	1265159				67.89	14.91	465	1445	10091	25	1	22	0	5	1	partial
13_1_40CM_2_Nitrospirae_megabin_61_8	5823452				60.78	8.87	3435	7760	11081	46	32	46	34	14	9	megabin
13_1_40CM_2_Nitrospirae_62_10	2494038	2494038			61.7	10.15	657	2914	77373	40	7	39	0	11	4	partial
13_1_40CM_2_Deltaproteobacteria_megabin_63_4	49750827				63.14	4.07	27770	62182	17117	53	53	51	51	18	15	megabin
13_1_40CM_2_Actinobacteria_megabin_67_3	35105913				66.66	3.6	21490	47679	15721	52	51	51	50	17	16	megabin
13_1_40CM_2_Betaproteobacteria_megabin_64_4	27382188				64.07	4.14	16233	37139	14544	53	51	51	48	15	15	megabin
13_1_40CM_2_Acidobacteria_megabin_59_4	68929204				58.87	4.09	33803	79338	42138	53	53	51	51	17	15	megabin
13_1_40CM_2_Gemmatimonadetes_megabin_68_8	28624920				68.02	8.43	12303	34511	95148	53	53	51	51	16	15	megabin
13_1_40CM_2_Methylomirabilis_megabin_69_6	36084836				68.55	6.09	16527	48026	27622	53	51	51	49	15	13	megabin
13_1_40CM_2_Alphaproteobacteria_megabin_64_4	27267784				63.69	3.84	16831	36203	19637	52	48	47	40	14	9	megabin
13_1_40CM_2_Proteobacteria_megabin_63_4	34476873				63.35	4.77	15720	46249	27902	33	20	25	14	14	8	partial
13_1_40CM_2_Chloroflexi_megabin_53_3	13809904				53.15	2.7	8294	17611	14175	52	43	47	30	16	11	megabin
13_1_40CM_2_Chloroflexi_megabin_67_4	19441263				67.25	4.16	11131	24283	17754	51	48	50	47	17	14	megabin
13_1_40CM_2_Firmicutes_megabin_63_4	14433441				62.96	4.69	9090	18208	10994	46	41	45	40	17	14	megabin
13_1_40CM_2_Ignavibacteria_61_4	3851097				60.3	4.11	2044	4436	13884	39	8	33	4	9	4	partial
13_1_40CM_2_Verrucomicrobia_megabin_58_3	19328503				57.95	3	10931	24193	17562	51	50	50	48	16	16	megabin
13_1_40CM_2_GAL15_megabin_65_7	6882473				65.21	7.03	3817	9352	10836	46	41	45	36	14	9	megabin
13_1_40CM_2_Cyanobacteria_61_4	10911052				60.78	3.89	6823	12402	12046	7	2	3	0	6	1	partial
13_1_40CM_2_NC10_megabin_66_5	9464986				66.36	5.93	5393	12026	14113	21	13	20	16	11	7	partial
13_1_40CM_2_Thaumarchaeota_megabin_50_6	6701666				50.23	5.59	3512	8650	22785	33	27	22	12	37	34	megabin
13_1_40CM_2_Euryarchaeota_megabin_60_9	15067302				60.66	9.74	7783	18987	18991	44	39	23	21	38	37	megabin
13_1_40CM_2_Archaea_megabin_55_8	12657859				54.73	7.85	4210	15908	103008	40	38	23	20	37	37	megabin
13_1_40CM_2_remainingbacteria_63_5	1.95E+08				63.28	5.34	71600	259573	62572	53	53	51	51	23	17	megabin
13_1_40CM_2_Methylomirabilis_69_5	3726065	3726065			69.21	4.93	211	3960	69652	37	3	33	0	11	1	partial
13_1_40CM_2_Novel_65_8	2449862	2449862			65.04	7.98	127	2628	70218	19	1	21	1	6	0	partial
13_1_40CM_2_Gemmatimonadetes_69_13	3942005				69.21	13.15	197	3836	110443	45	27	43	24	11	5	megabin
13_1_40CM_2_Chloroflexi_67_6	138770	138770			66.57	5.87	13	161	14111	16	0	16	0	0	0	partial
13_1_40CM_2_Acidobacteria_56_11	3224912	3224912			55.67	11	222	3173	57034	24	1	26	0	10	0	partial
13_1_40CM_2_Archaea_52_13	1488827	1488827			51.89	12.98	78	1602	93184	19	4	6	0	17	1	partial
13_1_40CM_2_Novel_68_5	3168729	3168729			68.18	4.92	212	2905	71726	18	1	16	0	6	0	partial
13_1_40CM_2_Chloroflexi_68_14	3059620	3059620			68.07	14.18	209	3129	97911	42	6	42	5	7	2	near
13_1_40CM_2_Methylomirabilis_68_13	2347978	2347978			68.08	13.24	183	2583	52717	17	0	16	0	9	0	partial
13_1_40CM_2_Arch_MCG1_52_14	1696268	1696268			51.74	13.93	68	1812	66664	30	3	14	0	31	1	near
13_1_40CM_2_Archaea_52_4	826954	826954			51.88	4.25	65	910	43421	9	0	2	0	12	1	partial
13_1_40CM_2_Acidobacteria_68_10	1923720	1923720			67.9	9.85	122	1819	67439	42	2	39	0	9	0	partial
13_1_40CM_2_Acidobacteria_60_7	1983623	1983623			60.23	7.18	151	1798	54929	38	0	38	0	10	1	partial
13_1_40CM_2_Acidobacteria_56_5	1151268	1151268			56.45	5.29	101	1131	31695	23	0	21	0	11	0	partial
13_1_40CM_2_Gemmatimonadetes_70_7	1657495	1657495			69.92	6.73	104	1687	62952	23	0	21	0	10	0	partial
13_1_40CM_2_Novel_66_13	1142852	1142852			65.79	13.54	83	1233	30399	11	0	13	0	9	0	partial
13_1_40CM_2_Rokubacteria_68_8	2712366	2712366			68.41	7.93	184	2841	47280	32	4	31	1	9	1	partial
13_1_40CM_2_Novel_70_6	1662566	1662566			70.3	6.27	112	1828	55037	27	0	25	0	7	0	partial
13_1_40CM_2_Archaea_SAGMCG_39_13	555171				38.94	13.39	79	717	37220	24	2	9	0	20	0	partial
13_1_40CM_2_Archaea_39_4	901546				38.28	5.39	216	1108	40962	7	1	3	0	18	1	partial
13_1_40CM_2_Thaumarchaeota_39_13	804578				39.12	13.61	124	956	33336	7	0	4	0	18	1	partial
13_1_40CM_2_Thaumarchaeota_SAGMCG_39_7	1042608				38.64	6.6	216	1296	65502	29	3	11	0	25	1	partial
13_1_40CM_2_Gemmatimonadetes_60_3	1970774				59.98	2.82	1121	2468	8804	41	3	33	8	8	2	partial
13_1_40CM_2_CNBR_64_6	1458532				64.29	6.23	411	1516	35568	45	8	37	5	9	2	partial
Sum	8.35E+08	36855913		4%												
Count	49	18		37%												

Six days after first rain plot 1 30 - 40 cm

Organism name	bin length	Partial to near		Bins/Meg	GC%	coverage	# contigs	# features	longest contig	RP		BSCG		ASCG		completi n status
		complete	abins							Inventory (total: 55)	RP multiple	Inventory (total: 51)	BSCG multiple	Inventory (total: 38)	ASCG multiple	
13_1_40cm_3_UNK	3.27E+08				61.73	5.8	135383	461827	98346	54	54	51	51	38	37	megabin
13_1_40CM_3_Nitrospirae_megabin_61_8	7780444				60.64	8.32	3888	10306	16887	49	38	46	31	13	11	megabin
13_1_40CM_3_Deltaproteobacteria_megabin_63_4	45996044				63.41	4.38	24271	57282	48143	53	53	51	51	17	16	megabin
13_1_40CM_3_Betaproteobacteria_megabin_64_4	30007082				64.33	4.46	16713	40253	17623	52	51	51	50	14	14	megabin
13_1_40CM_3_Alphaproteobacteria_megabin_63_4	22632200				63.59	3.97	15557	34635	17217	52	40	47	31	12	11	megabin
13_1_40CM_3_Acidobacteria_megabin_59_4	72149664				59.07	4.1	34109	83617	57326	53	53	51	51	16	16	megabin
13_1_40CM_3_Gemmatimonadetes_megabin_68_7	26328054				67.61	7.58	11289	32036	198509	53	53	51	50	15	15	megabin
13_1_40CM_3_Gammaproteobacteria_megabin_63_4	14332085				63.45	3.76	8742	17695	12592	46	21	43	17	14	megabin	
13_1_40CM_3_Methylomirabilis_megabin_69_6	36264118				68.51	6.16	15508	48520	74444	52	50	49	48	16	15	megabin
13_1_40CM_3_Actinobacteria_megabin_67_4	32638971				66.71	3.84	19104	43987	31322	53	51	51	51	17	14	megabin
13_1_40CM_3_Proteobacteria_megabin_64_5	23469994				64.08	5.18	8011	33097	36505	26	13	20	9	8	3	partial
13_1_40CM_3_Chloroflexi_megabin_62_4	27175338				62.49	3.83	15538	34491	22365	53	52	50	50	17	13	megabin
13_1_40CM_3_Verrucomicrobia_megabin_59_3	7914524				59.16	3.07	5008	10025	12722	50	44	41	36	12	10	megabin
13_1_40CM_3_Verrucomicrobia_megabin_57_3	8612441				56.64	3.33	4631	11154	14853	49	47	47	45	15	14	megabin
13_1_40CM_3_Euryarchaeota_megabin_60_9	13928608				60.17	9.31	7444	18002	27367	40	38	28	20	38	37	megabin
13_1_40CM_3_Thaumarchaeota_megabin_48_6	6317791				47.72	6.12	3391	8219	15561	32	21	17	9	37	28	megabin
13_1_40CM_3_Archaea_megabin_53_8	11906279				55.15	7.91	4403	15468	71334	41	37	22	17	38	36	megabin
13_1_40CM_3_NC10_megabin_66_6	8950783				66.22	5.66	4971	11403	14366	22	13	21	10	11	9	partial
13_1_40CM_3_Firmicutes_megabin_63_5	12579550				62.87	4.55	7831	16129	12160	48	47	48	46	16	13	megabin
13_1_40CM_3_GAL15_megabin_65_7	6167310				65.02	6.79	3273	8369	12975	50	45	48	40	15	10	megabin
13_1_40CM_3_Delftia_acidovorans_66_6	4671791	4671791			66.29	6.28	292	4559	60339	47	1	44	0	10	0	near
13_1_40CM_3_Acidobacteria_55_5	2966753	2966753			55.17	4.51	176	2984	69897	16	1	14	0	8	1	partial
13_1_40CM_3_Gemmatimonadetes_66_12	2677766	2677766			65.73	12.16	128	2729	80773	19	0	12	0	10	1	partial
13_1_40CM_3_Novel_66_19	1137225	1137225			65.6	19.49	84	1259	33927	10	0	21	0	6	1	partial
13_1_40CM_3_Gemmatimonadetes_70_8	720177	720177			69.53	8.2	65	747	21671	8	0	9	0	5	0	partial
13_1_40CM_3_Gemmatimonadetes_65_8	1964318	1964318			64.83	7.94	119	2022	40766	13	0	11	0	5	1	partial
13_1_40CM_3_Deltaproteobacteria_69_14	2823300	2823300			68.63	13.89	148</									

13_1_40CM_3_Archaea_MCG_52_4	775972	775972	52.05	4.03	59	867	36390	23	3	5	0	14	0	partial
13_1_40CM_3_Nitrospirae_62_11	1100264	1100264	61.85	11.3	79	1152	29218	31	0	28	0	8	0	partial
13_1_40CM_3_Arch_MCG1_52_17	1771063	1771063	51.68	16.96	66	1902	127109	25	4	12	0	30	1	partial
13_1_40CM_3_Archaea_Thermoplasmatales_66_7	2325190	2325190	66.42	6.69	157	2433	50599	29	18	10	1	25	19	partial
13_1_40CM_3_Gemmatimonadetes_69_22	1685858	1685858	69.09	21.51	108	1762	42993	19	1	16	0	8	0	partial
13_1_40CM_3_Gemmatimonadetes_70_6	1589252	1589252	69.79	6.26	93	1575	51291	14	1	14	0	7	0	partial
13_1_40CM_3_Acidobacteria_65_5	3794804	3794804	65.06	4.65	304	3681	40292	24	0	21	0	5	0	partial
13_1_40CM_3_Chloroflexi_65_12	2380159	2380159	65.19	12.11	110	2574	69353	33	3	34	0	9	0	partial
13_1_40CM_3_Deltaproteobacteria_71_4	352886	352886	70.94	4.38	35	393	22504	25	0	24	0	2	0	partial
13_1_40CM_3_Acidobacteria_55_6	2366586	2366586	54.6	6.07	184	2326	37570	23	1	21	0	3	0	partial
13_1_40CM_3_Rokubacteria_69_38	2707031	2707031	69.53	37.81	362	3036	44365	42	3	41	0	11	2	near
13_1_40CM_3_Novel_70_6	559323	559323	69.7	6.22	49	636	23340	16	0	16	0	3	0	partial
13_1_40CM_3_Arch_MCG3_53_5	2497406	2497406	52.84	5.35	88	2581	273886	34	12	16	2	35	3	near
13_1_40CM_3_Arch_SCG1_50_5	1626692	1626692	49.56	5.53	370	2046	62769	30	2	17	1	35	3	near
13_1_40CM_3_Firmicutes_65_11	398295		65.39	11.43	186	517	8276	28	5	29	5	6	1	partial
Sum	7.97E+08	49342450	6%											
Count	46	24	52%											

2 days after second rain plot 1 30 - 40 cm

Organism name	bin length	Partial to near complete	Bins/Meg abins	GC%	coverage	# contigs	# features	longest contig	RP		BSCG		ASCG		completion status
									Inventory (total: 55)	RP multiple	Inventory (total: 51)	BSCG multiple	Inventory (total: 38)	ASCG multiple	
13_1_40cm_4_UNK	3.51E+08			62.07	5.82	133717	484839	105142	54	53	51	51	37	36	megabin
13_1_40CM_4_Nitrospirae_megabin_61_9	6042971			61.04	10.6	3234	7875	11659	47	35	44	27	13	11	megabin
13_1_40CM_4_Gemmatimonadetes_megabin_71_29	990116			70.5	28.81	429	1258	9774	37	13	32	7	6	1	partial
13_1_40CM_4_Deltaproteobacteria_megabin_68_18	1135657			67.75	17.56	488	1362	8774	20	4	19	2	6	1	partial
13_1_40CM_4_Methylobirabilis_megabin_68_6	26722786			68.01	6.84	11752	35806	61687	53	51	51	48	16	14	megabin
13_1_40CM_4_Deltaproteobacteria_megabin_63_4	39773945			63.35	4.4	21524	50604	22374	53	52	51	50	15	15	megabin
13_1_40CM_4_Euryarchaeota_megabin_60_10	13513956			60.02	10.44	6756	17102	30508	41	38	25	21	38	37	megabin
13_1_40CM_4_Thaumarchaeota_megabin_47_7	7325378			46.94	6.93	3666	9321	18666	33	30	27	11	36	33	megabin
13_1_40CM_4_Archaea_megabin_53_8	13838628			52.9	8.71	4580	17548	107010	39	36	13	17	38	38	megabin
13_1_40CM_4_Betaproteobacteria_megabin_64_5	22975250			64.04	4.75	12221	30853	18989	52	51	49	47	17	14	megabin
13_1_40CM_4_Alphaproteobacteria_megabin_63_4	22183612			63.51	4.25	13090	29656	15338	51	42	47	30	13	6	megabin
13_1_40CM_4_Proteobacteria_megabin_63_5	30948019			63.51	5.27	12845	41405	29121	26	16	24	15	14	7	partial
13_1_40CM_4_Acidobacteria_megabin_59_4	48644563			59.07	4.14	24467	57354	24222	53	53	51	51	17	14	megabin
13_1_40CM_4_Gemmatimonadetes_megabin_67_6	25359250			67.36	6.39	9501	29962	41164	53	53	50	50	14	14	megabin
13_1_40CM_4_Chloroflexi_megabin_67_5	17976645			66.76	5.06	9336	22315	24598	52	48	49	48	15	13	megabin
13_1_40CM_4_GAL15_megabin_65_7	6630185			64.75	6.97	3567	9093	10951	48	39	47	33	12	7	megabin
13_1_40CM_4_Chloroflexi_megabin_52_3	11429024			52.46	3.25	6253	14403	16950	53	42	45	38	14	13	megabin
13_1_40CM_4_Actinobacteria_megabin_66_4	30890358			66.24	4.24	16924	41333	26633	53	52	51	51	18	15	megabin
13_1_40CM_4_Verrucomicrobia_megabin_58_3	13591800			57.15	3.57	6918	17060	26719	50	49	47	46	16	15	megabin
13_1_40CM_4_Firmicutes_megabin_63_5	12583567			62.97	5.09	7463	15806	21644	52	48	48	45	17	14	megabin
13_1_40CM_4_Acidobacteria_57_6	1156824	1156824		57.09	5.85	98	1128	31165	14	0	12	0	2	0	partial
13_1_40CM_4_Chloroflexi_69_19	530753	530753		68.88	19.46	48	606	28183	7	0	8	0	4	0	partial
13_1_40CM_4_Gemmatimonadetes_69_5	1233548	1233548		69.4	4.85	92	1310	91978	20	0	16	0	8	0	partial
13_1_40CM_4_Novel_65_12	2726322	2726322		64.94	12.15	140	2862	73959	18	3	18	1	6	0	partial
13_1_40CM_4_Acidobacteria_56_10	4205805	4205805		55.6	10.24	241	4121	68800	44	0	44	0	13	0	near
13_1_40CM_4_Arch_SCG_48_7	1188454	1188454		48.38	7.36	70	1397	57055	26	0	16	1	28	0	partial
13_1_40CM_4_Acidobacteria_65_8	5226415	5226415		64.74	7.7	311	4667	74555	41	3	36	2	11	1	partial
13_1_40CM_4_Archaea_53_4	1625991	1625991		52.89	4.13	91	1784	75806	27	7	9	1	19	0	partial
13_1_40CM_4_Nitrospirae_62_6	1807939	1807939		61.5	6.31	108	1855	47416	43	0	41	0	10	0	near
13_1_40CM_4_Gemmatimonadetes_65_7	2627923	2627923		64.75	6.99	187	2711	56521	19	6	17	4	7	2	partial
13_1_40CM_4_Rokubacteria_67_11	3898620	3898620		67.46	10.55	279	4212	50176	24	7	23	2	10	2	partial
13_1_40CM_4_Rokubacteria_69_39	2937267	2937267		69.31	38.59	356	3190	48727	42	2	40	0	11	0	partial
13_1_40CM_4_Gemmatimonadetes_69_8	6148271			69.07	8.46	252	5883	123742	53	28	48	24	12	9	megabin
13_1_40CM_4_Betaproteobacteria_64_4	1644455	1644455		64.63	4.4	136	1758	34171	28	1	27	1	4	0	partial
13_1_40CM_4_Chloroflexi_65_16	1794243	1794243		65.28	16.01	121	1924	44587	38	1	41	1	10	0	near
13_1_40CM_4_Rokubacteria_69_5	4229972	4229972		69.01	5.17	189	4483	111011	46	4	41	0	13	0	near
13_1_40CM_4_Chloroflexi_65_13	499411	499411		65.04	12.75	22	537	68695	27	0	28	0	3	0	partial
13_1_40CM_4_Deltaproteobacteria_68_19	3477774	3477774		68.27	18.75	196	3509	75130	40	2	38	2	7	0	partial
13_1_40CM_4_Arch_SAGMCG_38_7	1402295	1402295		38.15	6.65	76	1634	46615	29	1	11	0	30	1	partial
13_1_40CM_4_Chloroflexi_68_4	3428701	3428701		67.67	4.42	203	3805	72344	42	3	39	3	9	2	partial
13_1_40CM_4_Acidobacteria_58_4	5659429	5659429		57.5	4.24	349	5490	79906	37	12	38	11	11	6	partial
13_1_40CM_4_Deltaproteobacteria_54_4	1210571	1210571		53.97	3.75	99	1319	34299	26	0	25	0	6	0	partial
13_1_40CM_4_Acidobacteria_61_5	1635232	1635232		60.85	5.06	125	1580	31777	26	0	31	0	10	0	partial
13_1_40CM_4_Chloroflexi_52_4	1439464	1439464		51.85	3.84	124	1439	31027	20	0	23	1	3	2	partial
13_1_40CM_4_Rokubacteria_71_6	4787378	4787378		70.85	6.09	299	5318	56297	19	9	20	5	9	2	partial
13_1_40CM_4_Verrucomicrobia_54_4	876475	876475		54.4	4.7	61	953	35517	22	0	18	0	6	0	partial
13_1_40CM_4_Novel_69_4	1464472	1464472		68.8	3.96	116	1385	25996	16	0	19	0	7	0	partial
Sum	7.72E+08	62715733	8%												
Count	47	26	55%												

Total for project	bin length	Partial to near complete	Bins/Meg abins	GC%
Sum	6.7E+09	4.18E+08	6%	
Count	372	180	48%	
Average size of genomes (bp)		2.32E+06		

Table S3b. Genomes recovered from soil, NCBI, and JGI-IMG databases by phylum

	(10/7/2015 Searched	(10/7/2015 Genome Browser)	This work
Actinobacteria	991	3755	2

Acidobacteria	24	26	8
Proteobacteria	2392	12570	3
Nitrospirae	15	14	3
	(BioSam ple)		
Rokubacteria		0	7
Gemmatimonadetes	6	4	2
Chloroflexi	45	63	3
Verrucomicrobia	39	45	2
Armatimonadetes	3	4	1
Crenarchaeota	69	138	4
Thaumarchaeota	52	40	5
Total	3636	16659	40