

Microbial population dynamics in response to *Pectobacterium atrosepticum* infection in potato tubers

Viia Kõiv*¹, Märt Roosaare¹, Eve Vedler¹, Paula Ann Kivistik², Kristel Toppi¹, David W. Schryer³, Mairo Remm¹, Tanel Tenson³, Andres Mäe¹

Institute of Molecular and Cell Biology, University of Tartu, 23 Riia Street, Tartu 51010, Estonia¹

Estonian Genome Center, University of Tartu, Riia 23 B, 51010 Tartu, Estonia²

Institute of Technology, University of Tartu, 1 Nooruse Street, Tartu 50411, Estonia³

E-mail: viia.koiv@ut.ee

Supplemental Materials:

Supplemental info. Technical aspects of potato var. “Ants” cultivation.

Supplemental Data. OUTs generated based on sequencing reads of Experiment 2.

Supplemental Figure S1. Heatmaps of Experiment 1.

Supplemental Figure S2. Phylogenetic tree of cultivable bacteria based on the 16S rRNA gene sequence comparison.

Potato cultivar „Ants“ 2012:

Cultivation area 0.5 ha. Planted Basic seeds 2000kg/ha.

Mineral soil, loam

Preceding crops: 2009 summer wheat, 2010 rape, 2011 summer wheat.

Seed dressing: Monceren G, 0.6 l/ha.

Planting time: 17.05. 2012, harvesting 06.09.2012, crop yield 26.0 t/ha.

Fertilizer: Cropcare 8-11-23 800kg/ha 10.05.2012

Plant protection:

1. 21.06. 2012 Titus 30 g/ha+Mistral 300 g/ha+Actara 80 g/ha
2. 09.07.2012 Dithane 2 kg/ha+ Decis 0.15 l/ha+Kemiwett 0.15 l/ha
3. 17.07.2012 Leimay 0.5 l/ha+Actara 60 g/ha+Kemiwett 0.15 l/ha
4. 24.07. 2012 Infinito 1.6 l/ha
5. 11.08.2012 Ranman 0.2 l/ha+Ranman Aktivaator 0.15 l/ha+Decis 0.15 l/ha+Kemiwett 0.15 l/ha
6. 13.08.2012 Sunoco E11 oil 4,
7. 17.08.2012 Reglone Super 2.0 l/ha

Potato cultivar „Ants“ 2013:

Cultivation area 0.5 ha. Planted Basic seeds 5000 kg/ha

Mineral soil, loam

Preceding crops: 2010 barley, 2011 barley, 2012 rape.

Seeds not dressed.

Planting time: 27.05. 2012, harvesting 05.09.2012, crop yield 29.0 t/ha.

Fertilizer: Cropcare 11-11-21 800kg/ha 09.05.2012

Plant protection:

1. 19.06. 2013 Titus 30 g/ha+Mistral 300 g/ha+ Decis 0.15 l/ha
2. 01.07.2013 Dithane 2 kg/ha+ Fastac 0.15 l/ha+Titus 30 g/ha
3. 09.07.2013 Infinito 1.6 l/ha+Decis Mega 0.15 l/ha
4. 10.07.2013 Sunoco E11/3
5. 18.07.2013 Dithane 2.0 kg/ha+ Fastac 0.15 l/ha
6. 24.07.2013 Sunoco E11/3 4.0 l/ha
7. 29.07.2013 Orwego 0.8 l/ha + Kemiwett 0,075 l/ha
8. 06.08.2013 Orwego 0.8 l/ha+ Kemiwett 0,075 l/ha
9. 13.08. 2013 Reglone Super 2.5 l/ha+ Kemiwett 0,075 l

Supplemental info. Technical aspects of potato var. “Ants” cultivation.

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OTU	K1	K2	K3	K4	K5	K6	2d2	2d6	2d7	2d10	2d11	2d12	2d13	8d1	8d3	8d8	8d11	8d12	8d13
Bosea	1	0	1	0	0	0	0	0	0	1	0	1	0	14	4	1	217	19	13
Consensus156	1	0	1	0	0	0	0	0	0	1	0	1	0	14	4	1	217	19	13
Planococcaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Consensus437	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Methylobacillus	0	0	0	0	0	0	0	0	0	0	0	0	0	29	1	0	0	77	0
Consensus242	0	0	0	0	0	0	0	0	0	0	0	0	0	29	1	0	0	77	0
Pantoea	0	0	0	0	0	19	134	438	1770	246	38833	768	2	0	43	44	85	16	29
Consensus273	0	0	0	0	0	0	1	0	7	0	74	4	0	0	1	0	0	0	0
Consensus194	0	0	0	0	0	0	0	5	40	0	133	5	0	0	0	0	0	0	0
Consensus40	0	0	0	0	0	2	18	52	165	18	5043	64	0	0	8	4	12	3	3
Consensus15	0	0	0	0	0	17	115	381	1558	228	33583	695	2	0	34	40	73	13	26
Bacillus	0	0	0	0	0	0	4044	439	7976	4813	305	186	168	63	28	94	33	140	29
Consensus436	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
Consensus407	0	0	0	0	0	0	1	0	8	10	0	1	0	0	0	0	0	0	0
Consensus405	0	0	0	0	0	0	0	0	20	0	0	1	0	0	0	0	0	0	0
Consensus151	0	0	0	0	0	0	0	4	0	0	0	1	0	58	22	88	0	140	0
Consensus105	0	0	0	0	0	0	206	159	95	189	23	1	22	5	0	0	6	0	0
Consensus45	0	0	0	0	0	0	3	4	3450	5	173	52	77	0	3	0	11	0	29
Consensus26	0	0	0	0	0	0	3834	272	4396	4609	109	130	69	0	3	6	16	0	0
Pectobacterium	9	2	8	2	2	3	922	2525	3701	750	1143	1269	181	2967	1704	2174	10137	5432	10108
Consensus370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	30
Consensus353	0	0	0	0	0	0	0	14	8	0	1	5	0	0	2	2	0	7	0
Consensus348	0	0	0	0	0	0	0	0	1	0	2	2	0	17	7	3	2	6	0
Consensus325	0	0	0	0	0	0	3	11	3	4	0	16	0	0	0	0	2	10	1
Consensus321	0	0	0	0	0	0	0	4	19	2	2	0	0	0	1	2	0	21	0
Consensus312	0	0	0	0	0	0	4	1	1	3	0	1	0	2	9	14	14	8	0
Consensus293	0	0	0	0	0	0	2	22	10	0	0	6	0	5	4	12	0	7	0
Consensus211	0	0	0	0	0	0	18	28	17	15	16	12	0	10	2	17	9	12	1
Consensus46	7	2	5	1	0	1	537	227	139	383	399	134	26	332	343	194	562	364	117
Consensus29	2	0	0	0	2	2	261	2176	3499	206	676	1063	38	244	160	571	121	2291	17
Consensus17	0	0	3	1	0	0	97	42	4	137	47	30	117	2357	1175	1358	9427	2706	9942
Agromyces	0	0	0	0	0	0	0	0	0	0	0	1	0	43	1	0	17	47	107
Consensus177	0	0	0	0	0	0	0	0	0	0	0	1	0	43	1	0	17	47	107
Massilia	0	0	0	0	0	0	6	628	6	1	44	117	0	44	16	1	33	1	4
Consensus426	0	0	0	0	0	0	0	8	0	0	1	0	0	1	0	0	0	0	0
Consensus382	0	0	0	0	0	0	1	2	4	1	0	16	0	5	0	0	0	0	0
Consensus91	0	0	0	0	0	0	5	618	2	0	43	101	0	38	16	1	33	1	4
Domibacillus	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0
Consensus419	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0
Dyadobacter	0	0	0	0	0	0	2	0	0	1	0	0	0	25	0	3	48	1	0
Consensus371	0	0	0	0	0	0	2	0	0	1	0	0	0	21	0	3	4	1	0
Consensus327	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	44	0	0
Devosia	0	1	5	0	0	8	1	1	1	0	0	1	0	190	300	8	263	125	45
Consensus174	0	1	2	0	0	7	1	1	1	0	0	1	0	44	59	7	66	24	7
Consensus102	0	0	3	0	0	1	0	0	0	0	0	0	0	146	241	1	197	101	38
Enterobacter	70	7	39	20	0	31	1E+05	44712	15594	1E+05	24556	34240	36124	2E+05	36066	23571	2E+05	32517	3E+05
Consensus221	0	0	0	0	0	0	1	22	0	0	1	0	0	7	11	20	14	14	41
Consensus2	70	7	39	20	0	31	1E+05	44690	15594	1E+05	24555	34240	36124	2E+05	36055	23551	2E+05	32503	3E+05
Stenotrophomonas	6	0	1	0	0	53	13184	19429	10356	17044	2762	15735	2256	46991	12470	65563	67384	16689	6761
Consensus417	0	0	0	0	0	0	2	1	1	0	0	4	0	0	5	1	1	0	0
Consensus384	0	0	0	0	0	0	5	3	5	0	0	5	0	5	3	1	1	0	0
Consensus343	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	13	20	0
Consensus341	0	0	0	0	0	0	7	2	2	6	0	2	0	3	0	6	0	14	0
Consensus334	0	0	0	0	0	1	8	0	0	1	0	1	0	0	10	4	2	17	0
Consensus317	0	0	0	0	0	0	1	0	0	0	0	1	0	7	7	11	17	7	2
Consensus304	0	0	0	0	0	0	1	2	17	5	0	0	0	1	2	16	1	13	4
Consensus268	0	0	0	0	0	0	0	22	26	1	0	8	1	1	2	22	0	7	0
Consensus219	0	0	0	0	0	2	13	2	0	16	1	11	0	23	9	30	25	2	3
Consensus216	0	0	0	0	0	0	0	0	0	0	0	2	0	18	0	0	86	35	1
Consensus148	0	0	0	0	0	0	0	0	0	0	0	1	0	18	0	0	44	0	273
Consensus116	0	0	0	0	0	0	15	110	170	10	6	45	0	34	19	147	0	94	0
Consensus85	0	0	0	0	0	0	44	68	455	54	1	1	3	6	12	72	91	261	29
Consensus66	0	0	1	0	0	3	85	164	3	106	4	100	9	22	544	85	93	626	19
Consensus59	0	0	0	0	0	0	125	334	258	119	44	336	2	324	142	221	404	83	25
Consensus13	0	0	0	0	0	0	0	0	0	1	2	184	0	3414	19	26	23607	7883	4205
Consensus6	6	0	0	0	0	47	12878	18721	9419	16725	2704	15034	2241	43107	11696	64921	42999	7627	2200
Pelosinus	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	0	138	11
Consensus210	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	0	138	11
Duganella	0	0	0	0	0	0	4	13	0	1	0	22	3	2	0	0	6	0	0
Consensus322	0	0	0	0	0	0	4	13	0	1	0	22	3	2	0	0	6	0	0

Achromobacter	4	3	14	4	4	7	437	990	1383	423	472	633	21	17182	5350	3330	12041	11348	2496
Consensus10	4	3	14	4	4	7	437	990	1383	423	472	633	21	17182	5350	3330	12041	11348	2496
Zymophilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0
Consensus410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0
Comamonas	16	0	6	0	0	1	5890	883	1	6029	779	809	537	22470	22882	2823	75072	1E+05	99595
Consensus400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	9	1	5
Consensus380	0	0	0	0	0	0	8	0	0	7	0	0	0	8	1	0	4	1	0
Consensus254	0	0	0	0	0	0	0	0	0	0	0	0	0	2	21	0	18	34	23
Consensus237	0	0	0	0	0	0	7	0	0	6	0	0	0	30	11	0	23	22	12
Consensus185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	180	0	0
Consensus23	10	0	0	0	0	0	0	0	0	0	1	0	1	661	14682	203	35	580	0
Consensus8	2	0	2	0	0	0	5863	20	0	5982	637	441	140	18147	2841	841	31752	2424	8251
Consensus5	4	0	4	0	0	1	12	863	1	34	141	368	396	3622	5319	1762	43051	1E+05	91304
Shinella	0	0	0	0	0	1	1	3	5	0	0	5	0	4	0	0	3	4	0
Consensus391	0	0	0	0	0	1	1	3	5	0	0	5	0	4	0	0	3	4	0
Lysinibacillus	0	0	0	0	0	0	0	0	0	4	19	3	0	0	0	4	369	14444	5400
Consensus432	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	7	0
Consensus379	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
Consensus345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Consensus284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	0
Consensus154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	284
Consensus144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	368	0	0
Consensus42	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	1	0	5075
Consensus25	0	0	0	0	0	0	0	0	0	2	19	0	0	0	0	4	0	14328	0
Paracoccus	0	0	0	0	0	0	0	12	0	0	0	0	0	35	0	0	75	0	1
Consensus413	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	4	0	0
Consensus241	0	0	0	0	0	0	0	0	0	0	0	0	0	35	0	0	71	0	1
Enterobacteriaceae	0	0	0	0	0	0	838	452	199	595	96	268	34	2874	431	749	2296	697	1124
Consensus435	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	3	1	0
Consensus378	0	0	0	0	0	0	1	6	1	0	0	0	0	4	3	4	0	10	0
Consensus326	0	0	0	0	0	0	4	0	0	4	0	1	0	16	1	11	5	3	3
Consensus289	0	0	0	0	0	0	1	27	2	0	16	6	0	3	5	4	2	8	1
Consensus196	0	0	0	0	0	0	24	22	26	5	5	13	2	12	13	8	0	43	5
Consensus175	0	0	0	0	0	0	14	5	0	6	2	3	0	96	14	22	37	10	10
Consensus126	0	0	0	0	0	0	31	31	24	18	6	30	0	92	17	137	87	31	0
Consensus54	0	0	0	0	0	0	763	340	142	561	48	212	28	316	98	92	365	28	19
Consensus37	0	0	0	0	0	0	0	21	2	1	19	3	4	2335	280	469	1797	563	1086
Ensifer	0	1	0	2	0	0	1	14	0	0	0	3	0	6	1	0	8	8	9
Consensus319	0	1	0	2	0	0	1	14	0	0	0	3	0	6	1	0	8	8	9
Buttiauxella	0	0	0	0	0	0	14	16	1	10	1	1	0	50	12	1	18	1	3
Consensus223	0	0	0	0	0	0	14	16	1	10	1	1	0	50	12	1	18	1	3
Rhodococcus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	87	0
Consensus259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	87	0
Rhizobium	0	2	26	0	0	122	555	2001	1610	627	247	531	223	8195	3611	1774	4469	3338	2360
Consensus333	0	0	0	0	0	0	1	3	0	1	2	0	0	0	0	0	30	7	0
Consensus309	0	0	0	0	0	0	0	2	4	0	0	2	0	14	29	0	1	4	2
Consensus142	0	0	0	0	0	0	24	12	75	56	2	9	1	77	9	5	87	16	3
Consensus140	0	0	0	0	0	0	2	19	16	0	2	16	0	29	226	5	16	49	15
Consensus112	0	0	0	0	0	0	1	8	0	1	0	1	0	5	1	380	129	155	11
Consensus104	0	0	0	0	0	0	15	118	125	14	17	85	22	24	44	31	197	13	11
Consensus38	0	1	14	0	0	121	147	428	846	122	58	104	14	1177	802	363	823	466	501
Consensus21	0	1	12	0	0	1	365	1411	544	433	166	314	186	6869	2500	990	3186	2628	1817
Propionibacterium	21	12	17	56	33	37	9	21	61	18	17	27	3	25	8	4	4	12	15
Consensus138	21	12	17	56	33	37	9	21	61	18	17	27	3	25	8	4	4	12	15
Clostridium XIVa	0	0	1	0	0	0	0	2	0	1	0	0	0	247	8167	2726	11410	28	36665
Consensus402	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	21
Consensus52	0	0	0	0	0	0	0	0	0	0	0	0	0	235	1	2596	275	26	166
Consensus11	0	0	1	0	0	0	0	2	0	1	0	0	0	11	8166	130	11135	2	36478
Variovorax	1	2	14	4	0	40	14	30	3	11	1	6	0	454	22	3	443	35	1
Consensus86	1	2	14	4	0	40	14	30	3	11	1	6	0	454	22	3	443	35	1
Phyllobacterium	0	0	17	0	0	0	3	5	4	0	0	1	0	79	25	0	11	2	0
Consensus213	0	0	17	0	0	0	3	5	4	0	0	1	0	79	25	0	11	2	0
Sphingobium	0	0	9	0	0	6	3	24	15	5	3	26	0	35	0	0	78	0	0
Consensus279	0	0	9	0	0	6	1	17	0	0	2	2	0	12	0	0	35	0	0
Consensus226	0	0	0	0	0	0	2	7	15	5	1	24	0	23	0	0	43	0	0
Clostridium sensu stricto	0	0	0	0	0	0	0	0	0	17	47	0	1	11	0	313	1	0	0
Consensus425	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	3	1	0	0
Consensus197	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	172	0	0	0
Consensus181	0	0	0	0	0	0	0	0	0	17	47	0	1	0	0	138	0	0	0
Microbacterium	0	0	1	0	0	5	6	30	2	4	3	30	2	128	47	5	256	110	28
Consensus433	0	0	0	0	0	0	0	3	0	0	0	0	1	4	0	0	0	0	0
Consensus418	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	3	10	0
Consensus403	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	17	0	0
Consensus374	0	0	0	0	0	0	0	6	0	0	2	1	0	5	1	0	14	2	0

Consensus245	0	0	0	0	0	0	0	0	0	2	0	2	0	7	1	0	55	33	4
Consensus232	0	0	0	0	0	0	0	0	0	0	0	1	0	9	2	0	87	11	3
Consensus195	0	0	0	0	0	1	5	5	0	2	0	21	0	16	8	0	67	37	19
Consensus193	0	0	0	0	0	3	1	16	2	0	0	5	1	84	35	5	13	17	2
Delftia	22	1	4	11	0	1	149	5880	51	144	204	1007	169	28948	25584	2E+05	97954	78201	17899
Consensus415	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	5	1	1
Consensus390	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	15	1	2
Consensus362	0	0	0	0	0	0	0	1	0	0	0	0	0	1	19	5	7	1	0
Consensus3	22	1	4	11	0	1	149	5879	51	144	204	1007	169	28940	25557	2E+05	97927	78198	17896
Pseudorhodoferax	0	0	0	0	0	0	0	12	1	4	0	4	0	24	3	0	379	11	8
Consensus134	0	0	0	0	0	0	0	12	1	4	0	4	0	24	3	0	379	11	8
Hermiinimonas	0	0	18	0	0	3	0	3	0	5	0	1	0	826	40	67	463	410	80
Consensus421	0	0	2	0	0	0	0	0	0	0	0	0	0	2	1	0	2	6	1
Consensus65	0	0	16	0	0	3	0	3	0	5	0	1	0	824	39	67	461	404	79
Yersinia	0	0	0	0	0	0	1919	6728	8421	3339	7	1251	1711	320	1	282	6051	3495	2857
Consensus16	0	0	0	0	0	0	1919	6728	8421	3339	7	1251	1711	320	1	282	6051	3495	2857
Serratia	1	15	6	6	4	5	23801	4567	13261	24849	5307	1077	3014	4643	227	31071	1619	1315	4065
Consensus349	0	0	0	0	0	0	1	3	21	2	2	1	1	0	1	4	0	4	0
Consensus199	0	0	0	0	0	0	49	1	1	20	4	1	0	18	5	1	19	2	51
Consensus161	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	211
Consensus7	1	15	6	6	4	5	23751	4563	13239	24827	5301	1025	3013	4625	221	31066	1600	1309	3803
Erythrobacteraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	4	0	0
Consensus328	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	4	0	0
Pedobacter	0	0	0	1	0	88	0	4	1	0	0	0	0	112	6	6	138	66	0
Consensus323	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	35	0
Consensus282	0	0	0	1	0	74	0	3	1	0	0	0	0	2	0	0	0	0	0
Consensus270	0	0	0	0	0	3	0	1	0	0	0	0	0	22	2	2	59	0	0
Consensus262	0	0	0	0	0	11	0	0	0	0	0	0	0	7	2	2	66	4	0
Consensus239	0	0	0	0	0	0	0	0	0	0	0	0	0	66	2	2	13	27	0
Sphingobacterium	0	0	0	0	0	9	211	877	6	406	13	115	24	5759	1456	6690	1793	1200	2204
Consensus422	0	0	0	0	0	0	0	0	0	0	1	0	0	4	1	0	1	5	1
Consensus137	0	0	0	0	0	9	0	114	0	2	12	108	24	8	35	2	80	13	0
Consensus136	0	0	0	0	0	0	1	70	0	0	0	0	0	348	0	0	0	0	0
Consensus100	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	736	6	9	0
Consensus95	0	0	0	0	0	0	0	0	0	0	0	0	0	518	0	2	282	0	0
Consensus81	0	0	0	0	0	0	0	0	0	0	0	0	0	805	0	4	446	2	0
Consensus48	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	3549	15	33	1
Consensus39	0	0	0	0	0	0	0	686	5	2	0	5	0	2239	5	2113	321	45	5
Consensus32	0	0	0	0	0	0	210	7	0	401	0	2	0	1834	1415	284	642	1093	2197
Acinetobacter	3	0	2	1	0	24	80678	5849	243	1E+05	11827	45459	3693	46464	5434	215	28944	12021	880
Consensus388	0	0	0	1	0	0	0	0	0	0	0	2	0	0	23	0	0	0	0
Consensus4	3	0	2	0	0	24	80678	5849	243	1E+05	11827	45457	3693	46464	5411	215	28944	12021	880
Desemzia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0
Consensus351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0
Janthinobacterium	0	0	0	0	0	0	0	197	0	0	5	0	0	1	0	1	31	2	15
Consensus164	0	0	0	0	0	0	0	197	0	0	5	0	0	1	0	1	31	2	15
Erwinia	0	0	0	0	0	0	2	1	0	4	3	17	7	3	0	41	0	5	19
Consensus247	0	0	0	0	0	0	2	1	0	4	3	17	7	3	0	41	0	5	19
Sphingomonadaceae	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0
Consensus377	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0
Selenomonadales	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1986	15	1	0	0
Consensus291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	0	0	0	0
Consensus162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	0	0	0	0
Consensus74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1656	15	1	0	0
Olivibacter	0	0	2	0	0	0	0	0	1	0	0	3	0	198	0	0	65	0	0
Consensus158	0	0	2	0	0	0	0	0	1	0	0	3	0	198	0	0	65	0	0
Lelliottia	0	0	0	0	0	0	98	238	241	66	54	107	4	96	46	65	15	371	93
Consensus330	0	0	0	0	0	0	4	0	0	9	2	6	0	8	1	1	5	1	10
Consensus78	0	0	0	0	0	0	94	238	241	57	52	101	4	88	45	64	10	370	83
Kluyvera	0	0	0	0	0	0	0	0	0	0	0	878	1	1	1	1	1	0	2927
Consensus44	0	0	0	0	0	0	0	0	0	0	0	878	1	1	1	1	1	0	2927
Proteobacteria	0	0	2	3	0	8	2	30	13	0	0	28	0	30	6	1	90	45	64
Consensus150	0	0	2	3	0	8	2	30	13	0	0	28	0	30	6	1	90	45	64
Sphingopyxis	0	0	6	1	0	3	1	4	0	1	0	0	0	829	51	5	129	489	70
Consensus76	0	0	6	1	0	3	1	4	0	1	0	0	0	829	51	5	129	489	70
Pseudomonas	24	3	18	41	4	325	52562	3E+05	3E+05	78641	1E+05	1E+05	47909	1E+05	17898	1E+05	5685	2E+05	47778
Consensus398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9	0	7	0
Consensus308	0	0	0	0	0	0	3	19	5	2	1	4	0	12	1	10	0	2	0
Consensus307	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	57
Consensus303	0	0	0	0	0	0	3	11	15	2	8	4	3	0	0	9	0	6	2
Consensus300	0	0	1	0	0	0	6	6	7	4	7	11	0	1	1	0	0	18	2
Consensus280	0	0	0	0	0	1	19	36	0	27	0	0	0	0	0	0	0	0	0
Consensus269	0	0	0	0	0	0	1	18	25	0	9	5	0	17	0	0	0	14	0
Consensus246	0	0	0	0	0	0	6	24	8	12	1	1	0	29	0	20	2	0	0

Consensus190	0	0	0	0	0	5	79	21	3	63	2	3	3	0	0	4	5	0	0
Consensus172	0	0	0	0	0	0	7	8	9	2	2	26	0	33	6	81	0	52	1
Consensus145	0	0	1	0	0	0	1	120	33	0	1	0	0	2	0	155	24	1	28
Consensus111	0	0	0	0	0	1	274	46	38	293	0	32	0	0	5	0	1	5	0
Consensus109	0	0	0	0	0	0	235	75	13	202	19	16	2	79	3	23	33	2	1
Consensus63	0	0	0	0	0	20	728	61	14	883	54	46	210	6	11	4	2	7	3
Consensus50	0	0	0	0	0	0	145	658	925	172	748	538	9	70	42	17	1	162	38
Consensus19	0	0	0	0	0	0	884	5323	4145	929	3026	3082	42	558	752	374	30	3651	603
Consensus12	1	1	2	0	0	146	7782	1969	264	9474	5809	4329	22665	77	285	116	47	1319	356
Consensus9	0	0	2	3	0	37	15722	5931	1567	17535	1968	861	1578	21836	124	4515	3766	461	159
Consensus1	23	2	12	38	4	115	26667	3E+05	3E+05	49041	1E+05	1E+05	23397	79915	16662	1E+05	1774	2E+05	46528
Raoultella	2	0	0	0	0	0	89	49	13	84	33	54	32	45	763	66	129	312	25
Consensus72	2	0	0	0	0	0	89	49	13	84	33	54	32	45	763	66	129	312	25
Acidovorax	0	0	2	1	0	222	0	176	0	0	50	1	0	116	455	16	613	39	203
Consensus147	0	0	1	1	0	221	0	2	0	0	0	0	0	6	0	0	106	5	0
Consensus107	0	0	0	0	0	0	0	0	0	0	0	0	0	105	62	5	472	34	28
Consensus93	0	0	1	0	0	1	0	174	0	0	50	1	0	5	393	11	35	0	175
Veillonellaceae	0	0	1	0	0	0	F	0	0	0	0	0	0	0	8554	95	1	0	0
Consensus428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0
Consensus369	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0
Consensus320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0
Consensus202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	171	0	0	0	0
Consensus120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	547	0	0	0	0
Consensus33	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7741	95	1	0	0
Paenibacillus	1	0	0	0	0	6	85	1329	19	91	206	178	35	597	1565	372	64	1765	5321
Consensus427	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5
Consensus404	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Consensus357	0	0	0	0	0	0	1	9	0	0	2	2	0	2	0	3	11	6	0
Consensus295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	2	59
Consensus271	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	0
Consensus209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	153
Consensus176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	216	0	2	0	0
Consensus143	0	0	0	0	0	0	0	7	0	0	0	0	0	0	2	0	0	0	367
Consensus119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	167	3	1	52	337
Consensus117	0	0	0	0	0	0	0	0	0	0	1	39	3	108	60	78	12	299	48
Consensus88	0	0	0	0	0	1	24	538	9	40	86	34	14	70	28	42	11	28	4
Consensus75	0	0	0	0	0	5	60	686	10	51	114	103	18	194	132	121	29	92	30
Consensus34	1	0	0	0	0	0	0	89	0	0	3	0	0	3	1170	123	0	1194	4297
Microbacteriaceae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	9	3	0
Consensus416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	9	3	0
Brevundimonas	0	0	0	0	0	4	0	428	75	0	0	19	0	359	228	4	757	318	801
Consensus55	0	0	0	0	0	4	0	428	75	0	0	19	0	359	228	4	757	318	801
Rhodobacteraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	12	65	0	1	5	180
Consensus160	0	0	0	0	0	0	0	0	0	0	0	0	0	12	65	0	1	5	180
Oxalicibacterium	0	0	3	0	0	0	0	6	18	0	0	18	2	39	6	0	10	32	121
Consensus163	0	0	3	0	0	0	0	6	18	0	0	18	2	39	6	0	10	32	121
Leucobacter	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	3	33	0
Consensus324	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	3	33	0
Chryseobacterium	2	0	0	3	0	21	3130	8989	313	3993	3609	2939	628	20938	1100	3866	20185	6868	13823
Consensus337	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	1	37	0	0
Consensus302	0	0	0	0	0	0	2	30	0	4	2	4	0	1	0	5	13	2	0
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Consensus258	0	0	0	0	0	2	36	0	0	34	0	0	22	0	0	0	0	0	0
Consensus191	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0	0	0	27	74
Consensus129	0	0	0	0	0	0	5	16	0	1	107	11	0	22	311	2	0	0	0
Consensus128	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	484	0	0
Consensus98	0	0	0	0	0	0	1	0	0	4	0	780	0	0	0	0	2	1	0
Consensus49	0	0	0	0	0	5	103	304	0	114	2	136	0	2917	1	12	6	0	0
Consensus47	0	0	0	0	0	0	130	219	83	167	2532	46	7	209	0	0	12	205	0
Consensus22	1	0	0	0	0	0	1220	128	204	2052	433	511	24	58	568	598	13020	79	1
Consensus18	1	0	0	3	0	14	1625	8258	25	1612	528	1406	575	668	219	3174	6603	454	40
Consensus14	0	0	0	0	0	0	0	0	0	1	3	0	0	16970	1	74	8	6100	13708
Novosphingobium	0	0	0	0	0	0	76	332	9	64	2	52	2	17	0	27	132	1	3
Consensus103	0	0	0	0	0	0	76	332	9	64	2	52	2	17	0	27	132	1	3
Methylophilus	0	0	0	0	0	0	0	3	0	1	0	0	0	22	0	0	766	0	0
Consensus96	0	0	0	0	0	0	0	3	0	1	0	0	0	22	0	0	766	0	0
Lachnospiraceae	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0	394	125	116	17
Consensus106	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0	394	125	116	17
Flavobacterium	0	0	3	0	1	102	12	3	4	17	15	4595	0	1715	14	14	3419	8602	2884
Consensus406	0	0	0	0	0	0	0	2	0	0	0	2	0	5	0	0	4	0	8
Consensus360	0	0	0	0	0	0	0	0	0	0	0	33	0	2	0	0	0	0	0
Consensus359	0	0	0	0	0	0	11	0	0	17	0	0	0	7	0	0	0	0	0
Consensus355	0	0	0	0	1	36	0	0	0	0	0	0	0	0	0	0	0	0	0
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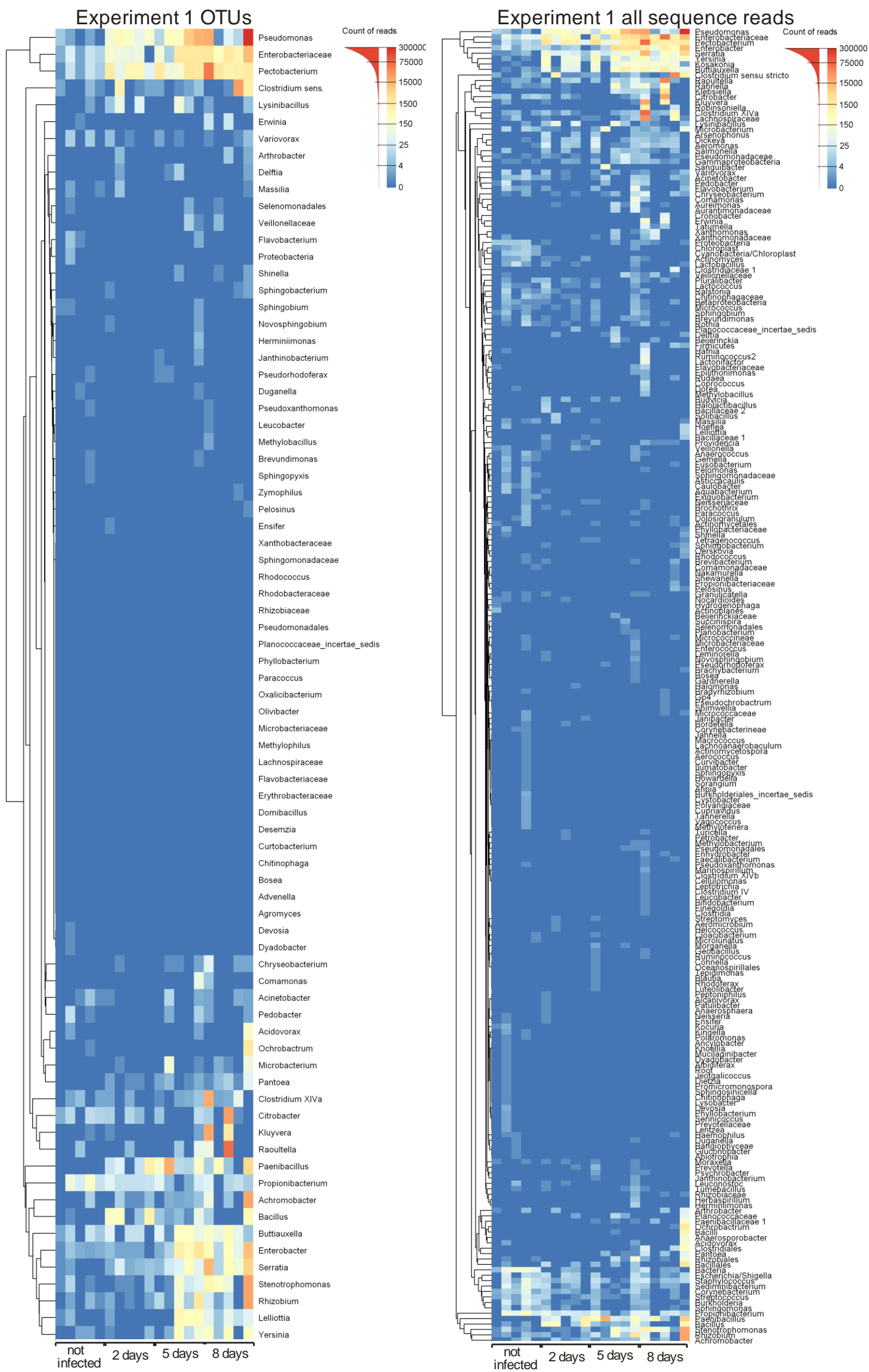
Consensus298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0	0
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Consensus201	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1	0	117	4	29
Consensus183	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	77	80	30
Consensus180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	197	0
Consensus153	0	0	0	0	0	0	0	0	0	0	0	1	0	255	1	3	0	5	32
Consensus69	0	0	0	0	0	0	1	0	4	0	1	1758	0	0	2	0	13	1	3
Consensus53	0	0	0	0	0	0	0	1	0	0	0	2793	0	311	0	4	25	38	11
Consensus24	0	0	0	0	0	0	0	0	0	0	14	0	0	1056	9	5	3036	8263	2764
Arthrobacter	0	0	1	0	0	0	56	0	0	80	0	0	0	64	0	0	220	18	13
Consensus131	0	0	1	0	0	0	56	0	0	80	0	0	0	64	0	0	220	18	13
Ochrobactrum	0	0	0	0	0	0	156	12	32	84	32	70	3	11576	960	3051	15946	2729	1060
Consensus420	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	2	7	0
Consensus331	0	0	0	0	0	0	0	0	0	0	0	1	0	9	13	0	14	7	2
Consensus297	0	0	0	0	0	0	0	0	0	0	0	0	0	20	3	6	33	3	0
Consensus90	0	0	0	0	0	0	3	0	0	0	0	5	0	222	17	82	445	79	17
Consensus87	0	0	0	0	0	0	53	5	7	38	0	4	0	415	122	2	19	128	162
Consensus28	0	0	0	0	0	0	56	7	21	27	29	22	1	5699	700	36	3249	1240	686
Consensus20	0	0	0	0	0	0	44	0	4	19	3	38	2	5208	103	2925	12184	1265	193
Flavobacteriaceae	0	0	0	0	0	0	7	0	0	3	0	13	0	9	9	2	8	2	1
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B

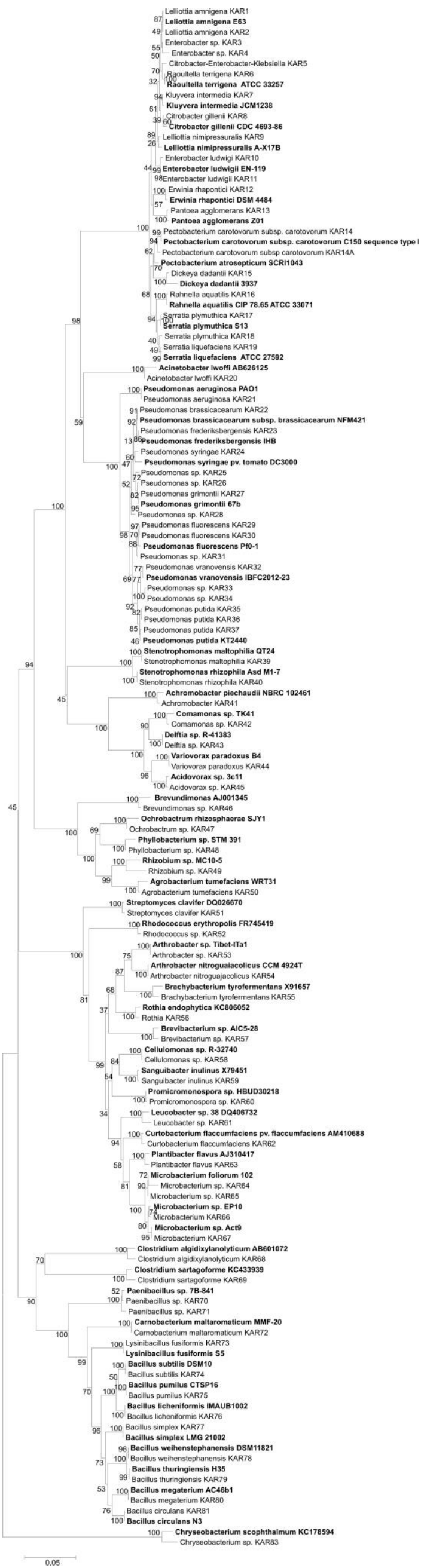
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Consensus1	0	0	0	0	0	6	3	0	16	7	0	56	9	10	585	7101	0	2	0	2E+05
Consensus2	0	4	3	2	3	2	0	2	0	0	5	6	129	98	1279	312	5	859	41	9
Consensus3	0	0	0	0	0	0	2	0	0	0	0	1	8	0	0	0	0	0	0	2
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Consensus9	0	1	0	0	0	25	123	170	14	195	2	9	41	3347	3526	3	0	27	7	2763
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Consensus11	0	2	5	0	2	2	0	3	0	0	0	0	2	3	5	10336	2	3	69	0
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Consensus13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	21
Consensus14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Consensus15	0	0	0	0	0	2	0	1	1	0	2	0	0	1	3	1	4	10	1	0
Consensus16	0	0	2	2	0	1	0	0	0	4	0	3	430	16	126	263	6	412	0	267
Consensus17	1	3	0	1	0	59	0	26	26	0	48	0	12	34	102	42183	79	147	43	0
Consensus18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0
Consensus19	0	0	0	0	0	1	0	0	1	1	0	1	4	29	15	22	0	0	0	675
Consensus20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Consensus21	0	1	0	2	1	3	0	0	0	2	13	1	116	7	1436	29	0	21	0	12623
Consensus22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Consensus23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	6	0	0	0	0
Consensus25	0	0	0	0	0	2	88	0	20	0	0	0	102	7	0	1	0	0	0	5
Consensus26	0	0	0	0	0	57	29	0	0	43	1	1	0	0	0	0	0	0	0	0
Consensus28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus29	0	8	0	7	3	478	0	227	243	1	528	3	51	686	483	326	550	216	310	664
Consensus33	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0
Consensus34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus37	3	10	1	3	4	4	0	5	1	0	1	0	318	316	316	937	15	5832	69	0
Consensus38	0	0	0	2	0	0	0	0	0	0	1	0	0	0	5	0	0	0	0	587
Consensus39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Consensus40	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	36
Consensus42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus44	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	12371	0	1903	0	0
Consensus45	0	0	0	0	0	0	83	0	4	0	0	1	3	0	52	4	0	0	0	8
Consensus46	0	2	2	7	2	817	40	356	376	31	834	66	36	315	800	282	836	302	480	79
Consensus47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
Consensus50	0	0	0	0	0	6	0	0	0	0	0	1	1	2	64	157	0	0	0	189
Consensus52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus54	0	8	0	1	1	2	110	2	2	0	5	9	109	84	103	98	78	766	171	7037
Consensus55	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Consensus59	0	0	0	0	0	0	0	1	0	0	0	0	42	4	4	139	16	21	0	69
Consensus63	0	0	0	0	0	2	245	0	0	3	1	4	23	2	2028	3	0	0	0	738
Consensus65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus66	0	8	0	0	0	0	0	0	0	3	0	0	42	4	9	23	206	0	0	1653
Consensus69	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus72	0	0	6	0	0	0	0	4	0	0	0	0	7	0	64	100	0	53014	0	0
Consensus74	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0

Consensus273	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	16
Consensus279	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus280	0	0	0	0	0	0	49	2	0	0	0	0	0	1	82	0	0	0	0	0
Consensus282	0	5	0	1	0	0	0	0	0	0	0	3	0	0	4	0	0	0	0	0
Consensus284	0	0	0	1	0	2	0	0	5	0	0	0	8	1	0	0	0	0	0	0
Consensus287	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus289	0	0	0	0	0	141	0	67	86	0	163	0	12	65	139	107	162	115	95	0
Consensus293	0	0	0	0	0	1	1	0	0	0	0	0	18	343	21	13	1	0	0	87
Consensus297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1235
Consensus300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Consensus302	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Consensus303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	3
Consensus304	0	1	0	0	0	0	0	0	0	0	0	0	7	0	2	1	0	0	0	0
Consensus307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
Consensus308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	20	0	0	0	29
Consensus309	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Consensus312	0	0	0	0	0	0	0	0	0	0	1	0	6	75	12	2	5	0	4	46
Consensus315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	87
Consensus319	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus321	0	0	0	0	0	0	0	3	0	0	0	0	14	253	12	7	3	0	1	27
Consensus322	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Consensus324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus325	0	9	0	5	3	3	3	0	1	1	0	0	12	0	4	44	2	38	1	1
Consensus326	0	0	0	0	0	0	0	0	0	0	1	0	3	1	3	3	0	1	1	1
Consensus327	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus330	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	6
Consensus331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Consensus334	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	46	0	0	1
Consensus339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus341	0	0	0	0	0	0	0	0	0	0	0	14	1	5	2	0	5	0	0	1
Consensus345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus348	0	0	0	0	0	0	10	0	0	2	0	9	9	11	29	30	5	63	14	523
Consensus349	1	1	0	0	0	0	0	0	0	0	0	0	8	1	2	659	0	25	0	1
Consensus351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus353	0	0	0	0	0	0	0	0	0	0	0	0	7	60	4	2	0	0	0	1
Consensus355	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus357	0	0	0	0	0	15	1	0	4	161	18	845	0	3	19	5	21	0	0	6
Consensus359	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus362	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Consensus369	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0
Consensus370	0	0	0	0	0	0	0	0	0	0	0	0	1	0	84	108	0	108	7	2
Consensus374	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus378	0	0	0	0	0	0	0	0	1	0	0	0	232	263	17	30	32	308	47	48
Consensus379	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0
Consensus384	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	8
Consensus388	0	0	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus391	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	2
Consensus398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus405	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Consensus406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Consensus407	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Consensus417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	2
Consensus418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus420	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
Consensus425	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Consensus426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus427	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consensus428	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Consensus432	0	0	0	1	0	2	0	0	13	0	0	0	15	0	0	1	0	0	0	0
Consensus435	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	0	0	0
Consensus436	0	0	0	0	0	0	0	0	1	0	0	0	0	0	25	3	0	0	0	0

Supplemental Data. OUTs generated based on sequencing reads of Experiment 2. (A) Number of OUT reads in Experiment 2. **(B)** Number of OUT reads in Experiment



Supplemental Figure S1. Heatmaps of Experiment 1. (A) OTU sequences from Experiment 2 were used to cluster all similar sequences from Experiment 1. (B) Counted sequences reads of Experiment 1 classified by the RDP *multiclassifier* were normalized using inverse hyperbolic sine transformation. Heatmaps were made in R using pheatmap (parameters: clustering_method = average, clustering_distance = euclidean).



Supplemental Figure S2. Phylogenetic tree of cultivable bacteria based on the 16S rRNA gene sequence comparison. The tree was constructed based on the nearly full length 16S rRNA genes of cultivable bacteria and their nearest sequences (bold), as retrieved from the GenBank database.

