

			Data set																							
			Simulated							Mock									Genuine							
																			body_sites (V2)			canadian_soil (V4)			global_soil (V9, 18S)	
			sim_even (V4)		sim_staggered (V4)		Bokulich_2 (V4)			Bokulich_3 (V4)			Bokulich_6 (V4)			OTUs	M ²	ρ	OTUs	M ²	ρ	OTUs	M ²	ρ		
OTUs	PD	F ₁	OTUs	PD	F ₁	OTUs	PD	F ₁	OTUs	PD	F ₁	OTUs	PD	F ₁	OTUs	M ²	ρ	OTUs	M ²	ρ	OTUs	M ²	ρ			
de_novo	Software		1,042	101.50	0.84	1,035	104.00	0.83	7,084	[4-50]	0.48	6,349	[4-35]	0.50	1,223	39.41	0.54	14,184	0.19	0.96	59,688	0.16	0.94	80,321	0.87	0.98
	swarm		1,031	104.06	0.83	1,022	109.92	0.83	9,575	[4-157]	0.38	13,982	[4-190]	0.41	3,317	90.80	0.52	7,103	0.18	0.99	74,284	0.14	0.87	60,781	0.50	0.96
	sumaclust		1,013	104.02	0.84	997	110.57	0.84						199	9.22	0.59	156	0.38	0.29	11,259	0.03	0.85				
	uparse_q3		972	100.74	0.84	806	93.28	0.78				57	[2-3]	0.79	31	3.53	0.45	108	0.36	0.26	6,275	0.06	0.75			
	uparse_q16		1,045	105.37	0.83	1,035	110.42	0.83	20,084	[5-234]	0.40	21,929	[5-236]	0.40	4,397	105.37	0.52	11,204	0.00	1.00	91,143	0.00	1.00	82,642	0.00	1.00
	uclust		1,035	106.09	0.83	1,015	110.76	0.81	1,522	[3-22]	0.50	2,602	[4-28]	0.55	798	22.86	0.55	3,903	0.17	0.94	47,679	0.05	0.94	41,668	0.93	0.98
	usearch52		1,049	104.85	0.84	1,034	110.68	0.83	22,987	[7-313]	0.39	24,704	[7-292]	0.41	4,635	123.04	0.51	14,483	0.18	0.99	102,435	0.06	0.99	102,211	0.48	0.98
	usearch61		957	110.09	0.82	949	110.45	0.81				1,600	[2-51]	0.44	447	23.63	0.54	806	0.45	0.12	31,546	0.06	0.76	11,440	0.53	0.76
	mothur_near		978	109.22	0.82	970	109.86	0.81				28,808	[5-263]	0.40	5,159	75.05	0.51	3,358	0.22	0.23	92,887	0.03	0.86	32,378	0.56	0.78
	mothur_fur		963	109.99	0.82	959	110.98	0.82				13,255	[4-176]	0.41	2,314	55.90	0.51	2,491	0.26	0.11	83,664	0.05	0.86	20,809	0.49	0.72
	mothur_avg																									
closed_ref	usearch61	F ₁ tax	1,275	129.19	0.83	1,267	127.50	0.82	1,027	[5-26]	0.53	614	[4-18]	0.59	631	26.02	0.61	5,982	0.06	0.96	13,808	0.06	0.96	3,784	0.50	0.55
		F ₁ OTUs			0.68			0.69																		
	uclust	F ₁ tax	1,238	127.59	0.83	1,225	126.02	0.84	1,053	[5-27]	0.53	557	[5-18]	0.57	547	25.03	0.60	5,446	0.00	1.00	13,659	0.00	1.00	305	0.00	1.00
		F ₁ OTUs			0.69			0.70																		
	sortmerna	F ₁ tax	1,072	122.75	0.82	1,067	121.89	0.81	396	[4-15]	0.53	290	[4-13]	0.61	382	19.47	0.57	6,174	0.06	0.99	13,281	0.06	0.98	255	0.34	0.75
		F ₁ OTUs			0.80			0.80																		
open_ref	usearch52	F ₁ tax	1,001	115.38	0.80	980	113.39	0.78	571	[5-30]	0.54	331	[5-22]	0.64	315	18.24	0.59	3,355	0.08	0.97	4,121	0.04	0.79	5,763	0.48	0.19
		F ₁ OTUs			0.70			0.68																		
	uclust		1,262	106.12	0.83	1,245	111.29	0.83	10,169	[3-97]	0.40	4,170	[3-104]	0.42	4,109	93.67	0.48	12,442	0.00	1.00	87,936	0.00	1.00	37,380	0.00	1.00
	sortmerna		1,072	104.77	0.82	1,085	111.80	0.81	9,272	[3-132]	0.39	2,649	[3-140]	0.41	2,727	88.56	0.51	10,242	0.06	0.98	79,363	0.03	0.82	35,345	0.12	0.92
	sumaclust																									
	usearch61		1,304	106.04	0.83	1,293	112.36	0.83	9,414	[3-108]	0.40	3,966	[3-126]	0.41	3,421	80.89	0.53	12,807	0.06	0.97	87,300	0.06	0.80	43,175	0.10	0.94