

Table S1: High-throughput sequencing data analysis

		Sample_name	Raw reads	N of chimeras	Non-chimeric reads	Reads with OTU	OTU per sample	Simpson	Shannon
experiment with hydroponics	control filtrate	HFK1	45625	11697	33928	33046	1621	0,956	4,03
		HFK2	44320	12854	36345	32120	1732	0,959	3,974
		HFK3	46882	9987	30703	34200	1501	0,941	4,12
	filtrate+IGSA	HFI1	28908	5418	23490	22845	1441	0,933	3,961
		HFI2	27588	5837	20265	20230	1400	0,94	4,02
		HFI3	29855	5221	26102	24700	1502	0,927	3,886
	control leaf	HLK1	32971	192	32779	32749	240	0,937	3,348
		HLK2	38958	213	38745	38721	275	0,943	3,474
		HLK3	29122	121	29001	28987	202	0,967	3,765
	leaf+IGSA	HLI1	34763	146	34617	34590	175	0,895	2,505
		HLI2	37256	95	37161	37125	227	0,544	1,611
		HLI3	33859	78	33781	33745	199	0,861	2,574
	control root	HRK1	12947	48	12899	12882	187	0,908	2,925
		HRK2	32645	181	32464	32369	367	0,945	3,455
		HRK3	36938	148	36790	36739	426	0,861	2,905
root+IGSA	HRI1	42932	148	42784	42725	390	0,938	3,555	
	HRI2	45073	160	44913	44858	451	0,945	3,62	
	HRI3	35234	120	35114	35085	335	0,904	3,221	
experiment with soil	control leaf	SLK1	37541	33	37508	37492	120	0,763	2,036
		SLK2	39063	27	39036	39019	115	0,748	1,927
		SLK3	47010	33	46977	46955	116	0,74	1,948
	leaf+IGSA (root)	SLIr1	45471	21	45450	45432	126	0,737	1,849
		SLIr2	46487	34	46453	46441	118	0,775	2,036
		SLIr3	42953	39	42914	42887	127	0,735	1,884
	leaf+IGSA (foliar)	SLIf1	49447	63	49384	49363	137	0,75	1,995
		SLIf2	44783	26	44757	44733	109	0,856	2,384
		SLIf3	39105	84	39021	39006	117	0,643	1,45
	control root	SRK1	32645	32	32613	32573	488	0,968	4,412
		SRK2	32422	21	32401	32382	293	0,932	3,62
		SRK3	30394	13	30381	30357	167	0,863	2,961
root+IGSA (root)	SRIr1	40575	33	40542	40511	252	0,958	3,874	
	SRIr2	48479	46	48433	48410	199	0,892	3,065	

		SRIr3	40658	46	40612	40547	325	0,968	4,138
root+IGSA (foliar)		SRIf1	42071	49	42022	41968	284	0,961	3,914
		SRIf2	54294	54	54240	54213	278	0,964	3,991
		SRIf3	46379	46	46333	46302	225	0,936	3,474
control soil		SSK1	50326	259	50067	49461	5887	0,989	5,637
		SSK2	23880	963	22917	22607	3863	0,988	5,59
		SSK3	39474	1932	37542	37064	5096	0,99	5,714
soil+IGSA (root)		SSIr1	33203	990	32213	31870	4163	0,977	5,373
		SSIr2	46038	1928	44110	43604	4949	0,983	5,503
		SSIr3	53990	2004	51986	51398	5225	0,99	5,766
soil+IGSA (foliar)		SSIf1	38943	144	38799	38439	4329	0,987	5,46
		SSIf2	52167	1492	50675	50244	5055	0,98	5,409
		SSIf3	44223	1914	42309	41852	4452	0,985	5,389