Plant and Soil

Agrochemical inputs and management have a greater impact on common bean rhizobia diversity than drought

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Supplementary Material

Table S.1: Number of isolated bacteria, strain diversity indices (Shanon. Margalef and Pielou) and number, structure and average stability of clusters obtained at a similarity level of 70% according to agricultural management and water availability (I, irrigated; R, rainfed).

		Isolated bacteria	Diversity (Shannon´s index)	Richness (Margalef´s index)	Evenness (Pielou´s index)	Number of clusters	Cluster estructure	Cluster stability (bootstraping)
Conventional		127	4,587	105,794	0,983	106	90 of 1 strain	0,629
Organic		193	5,147	179,810	0,991	180	172 of 1 strain	0,628
Irrigation		167	4,996	153,805	0,991	154	145 of 1 strain	0,633
Rainfed		153	4,800	135,801	0,987	136	126 of 1 strain	0,629
Conventional	I	71	4,131	64,765	0,989	65	61 of 1 strain	0,639
	R	56	3,768	45,752	0,984	46	36 of 1 strain	0,629
Organic	I	96	4,501	91,781	0,995	92	89 of 1 strain	0,633
	R	97	4,503	92,781	0,993	93	91of 1 strain	0,636

Table S.2: Number of isolated bacteria, strain diversity indices (Shanon. Margalef and Pielou) and number, structure and average stability of clusters obtained at a similarity level of 70% according to agricultural management (C, conventional; O, organic), water availability (I, irrigated; R, rainfed), and genotype (AA, Arrocina de Álava; AK, Amarilla de Kuartango; N, Negrita; NB, Negrita de Basaburua; RL, Riñon de Leon).

			Isolated bacteria	Diversity (Shannon´s index)	Richness (Margalef´s index)	Evenness (Pielou´s index)	Number of clusters	Cluster estructure	Cluster stability (bootstraping)
AA	C	I	10	2,303	9,565	1	10	All of 1 strain	0,648
		R	15	2,488	12,631	0,97	13	12 of 1 strain	0,641
	O	I	21	3,045	20,671	1	21	All of 1 strain	0,634
		R	19	2,944	18,660	1	19	All of 1 strain	0,648
	Mean		**65**	**4,102**	**61,760**	**0,993**	**60**	**60 of 1 strain**	**0,633**
AK	C	I	10	2,303	9,566	1	10	All of 1 strain	0,637
		R	6	1,792	5,442	1	6	All of 1 strain	0,671
	O	I	20	2,831	17,666	0,979	18	9 of 1 strain	0,647
		R	18	2,890	17,654	1	18	All of 1 strain	0,6483
	Mean		**54**	**3,928**	**51,749**	**0,994**	**52**	**51 of 1 strain**	**0,634**
N	C	I	18	2,700	15,650	0,976	16	15 of 1 strain	0,65
		R	11	2,398	10,583	1	11	All of 1 strain	0,65
	O	I	18	2,890	17,654	1	18	All of 1 strain	0,638
		R	24	3,178	23,685	1	24	All of 1 strain	0,64
	Mean		**71**	**4,177**	**66,765**	**0,993**	**66**	**64 of 1 strain**	**0,634**
NB	C	I	16	2,773	15,639	1	16	All of 1 strain	0,631
		R	9	2,043	7,545	0,982	8	7 of 1 strain	0,676
	O	I	16	2,773	15,639	1	16	All of 1 strain	0,646
		R	21	3,045	20,672	1	21	All of 1 strain	0,642
	Mean		**62**	**4,082**	**59,758**	**0,996**	**60**	**58 of 1 strain**	**0,639**
RL	C	I	17	2,639	14,647	0,974	21	All of 1 strain	0,642
		R	15	2,610	13,631	0,991	15	14 of 1 strain	0,653
	O	I	21	2,979	19,672	0,994	20	19 of 1 strain	0,64
		R	15	2,700	14,631	1	15	All of 1 strain	0,66
	Mean		68	4,061	60,763	0,988	61	56 of 1 strain	0,636