

Supplement Data:

Table S1: Amplification of the NODc gene of 47 selected bacteria, isolated from root nodules of six genotypes of *Vicia faba*: S– Saber 02, L– Locale, BC– Bachar, BD– Badii, CH– Chourouk et N– Najeh. grown in three different soils. (+) positive result.

Strain	NODc gene amplification	Host Genotype	Strain	NODc gene amplification	Host Genotype
2T1V2 C1''	+	L	4T2V5 D	+	N
1T2V4 B1'	+	BD	4T2V3 A1	+	BC
4T2V1 A	+	S	4T1V4 A1	+	BD
3T2V2 A2	+	L	4T2V2 C	+	L
3T1V2 D1	+	L	3T2V4 E1	+	BD
3T1V1 A2	+	S	3T2V4 D1	+	BD
4T1V6 C	+	N	3T2V4 D2	+	BD
2T1V4 A2	+	BD	2T1V2 2	+	L
3T2V6 B2	+	N	1T2V4	+	BD
3T2V1 A2	+	S	1T2V3 B	+	BC
4T1V6 B	+	N	1T2V5 F1	+	CH
1T2V6 D2	+	N	1T1V4	+	BD
3T1V1 A2'	+	S	1T2V5 A1	+	CH
2T1V2 B1''	+	L	1T2V6 D1	+	N
2T1V2 A1''	+	L	1T1V4 A2	+	BD
3T2V4 C1	+	BD	1T2V5 A3	+	CH
3T1V5 A1	+	CH	1T1V4 B1'	+	BD
1T1V4 B'	+	BD	1T2V3 A1	+	BC
1T2V3 A2	+	BC	1T2V4 E3	+	BD
3T1V3 A1	+	BC	1T2V4 A3	+	BD
4T2V3 C1	+	BC	1T1V1 A2	+	S
4T1V3 B	+	BC	2T1V2 2'	+	L
1T2V6 B2	+	N	4T2V1	+	S
2T1V1 1'	+	S			