

Table S1

Salt tolerance of *P. stutzeri* ISE12 and *K. marisflavi* CSE9 growth in media supplemented with different NaCl concentrations (0-800 mM). Mean $\pm$ standard deviation are presented (n= 4 - 6). Significant differences between salinity treatments (ANOVA, $p < 0.05$, with Tukey's) were marked with different letters.

NaCl concentration (mM)	<i>P. stutzeri</i> ISE12	<i>K. marisflavi</i> CSE9
0	0,528 (0,037) ab	0,034 (0,029) a
50	0,585 (0,027) bc	0,266 (0,052) b
100	0,674 (0,023) cde	0,282 (0,023) bcd
150	0,753 (0,027) def	0,298 (0,026) bcde
200	0,806 (0,014) ef	0,288 (0,020) bcde
300	0,854 (0,042) f	0,313 (0,017) de
400	0,867 (0,030) f	0,317 (0,024) e
500	0,840 (0,137) f	0,272 (0,031) bc
600	0,886 (0,113) f	0,281 (0,027) bcd
700	0,618 (0,117) bcd	0,303 (0,027) cde
800	0,414 (0,108) a	0,318 (0,040) e

Table S2

Effect of *B. vulgaris* bioaugmentation (three variants of experiment control: non-inoculated, inoculated with: *P. stutzeri* ISE-12 and *K. marisflavi* CSE9 were considered) using one-way ANOVA: df value, MS effect, F value and P level for growth parameters of plants cultivated in different NaCl concentrations (0, 50, 150 and 300 mM NaCl) are presented.

NaCl concentrations (mM)	growth parameters	df	MS	F	p
0	chlorophyll content index	2	2053,12	60,775	0,000000
	number of leaves	2	12,787	10,229	0,000189
	root length	2	232585	19,1460	0,000001
	stem length	2	174,69	2,3621	0,104658
	fresh weight	2	46,7911	6,68027	0,008420
	dry weight	2	0,741224	13,13692	0,000199
50	chlorophyll content index	2	1408,64	38,652	0,000000
	number of leaves	2	36,421	29,042	0,000000
	root length	2	663973	49,5473	0,000000
	stem length	2	191,90	1,7849	0,178337
	fresh weight	2	58,6093	30,1994	0,000006
	dry weight	2	0,928682	26,7784	0,000002
150	chlorophyll content index	2	86,78	2,216	0,113715
	number of leaves	2	49,106	38,906	0,000000
	root length	2	489629	63,6517	0,000000
	stem length	2	1021,71	35,9006	0,000000
	fresh weight	2	67,0748	17,8272	0,000030
	dry weight	2	1,158059	17,71770	0,000031
300	chlorophyll content index	2	194,39	4,242	0,016650
	number of leaves	2	54,233	23,367	0,000000
	root length	2	232826	32,1109	0,000000
	stem length	2	0,60	0,0134	0,986690
	fresh weight	2	41,1166	8,63938	0,001702
	dry weight	2	0,576635	14,92641	0,000093

Table S3

Salt stress effect (four NaCl concentrations: 0, 50, 150 and 300 mM NaCl were considered) using one-way ANOVA: df value, MS effect, F value and P level for growth parameters of *B. vulgaris* cultivated in three variants of experiment (control: non-inoculated, inoculated with: *P. stutzeri* ISE-12 and *K. marisflavi* CSE9) are presented.

Variants	growth parameters	df	MS	F	p
Ctr	chlorophyll content index	3	296,77	18,471	0,000000
	number of leaves	3	2,576	1,3563	0,268569
	root length	3	4300,5	1,89582	0,144223
	stem length	3	909,69	11,1988	0,000014
	fresh weight	3	1,46003	0,95628	0,458626
	dry weight	3	0,011368	1,86229	0,189784
<i>P. stutzeri</i>	chlorophyll content index	3	1065,2	33,598	0,000000
	number of leaves	3	14,726	9,686	0,000015
	root length	3	3743	0,2959	0,828287
	stem length	3	2533,36	38,241	0,000000
	fresh weight	3	7,5216	1,5324	0,226379
	dry weight	3	0,019283	0,6632	0,580141
<i>K. marisflavi</i>	chlorophyll content index	3	107,7	1,944	0,123502
	number of leaves	3	3,902	2,937	0,038688
	root length	3	126433	10,6609	0,000006
	stem length	3	1347,19	25,754	0,000000
	fresh weight	3	11,755	2,5969	0,067818
	dry weight	3	0,18149	2,1947	0,105522

Table S4

Effect of *B. vulgaris* bioaugmentation (three variants of experiment control: non-inoculated, inoculated with: *P. stutzeri* ISE-12 and *K. marisflavi* CSE9 were considered) using one-way ANOVA: df value, MS effect, F value and P level for biochemical parameters (hydrogen peroxide and proline concentrations) in leaves, stems and roots of plants cultivated in different NaCl concentrations (0, 50, 150 and 300 mM NaCl) are presented.

Organs	Biochemical parameters	df	MS	F	P
Leaves	Hydrogen peroxide_0	2	304081	260,418	0,000000
	Hydrogen peroxide_50	2	648563	55,8516	0,000000
	Hydrogen peroxide_150	2	475319	58,6236	0,000000
	Hydrogen peroxide_300	2	880968	304,897	0,000000
Stems	Hydrogen peroxide_0	2	3425	0,5060	0,609209
	Hydrogen peroxide_50	2	105222	15,7350	0,000043
	Hydrogen peroxide_150	2	297129	27,7950	0,000000
	Hydrogen peroxide_300	2	350182	227,033	0,000000
Roots	Hydrogen peroxide_0	2	275863	39,2945	0,000000
	Hydrogen peroxide_50	2	454592	236,268	0,000000
	Hydrogen peroxide_150	2	552884	163,427	0,000000
	Hydrogen peroxide_300	2	439524	142,034	0,000000
Leaves	Proline_0	2	10,50376	15,4588	0,000064
	Proline_50	2	18,17060	42,8219	0,000000
	Proline_150	2	14,4770	29,2653	0,000001
	Proline_300	2	18,3276	34,9483	0,000000
Stems	Proline_0	2	3849,938	166,7747	0,000000
	Proline_50	2	4196,798	112,9827	0,000000
	Proline_150	2	3865,29	258,5991	0,000000
	Proline_300	2	13139,28	168,5385	0,000000
Roots	Proline_0	2	88,1020	29,18372	0,000002
	Proline_50	2	206,4506	55,9831	0,000000
	Proline_150	2	852,519	200,7715	0,000000
	Proline_300	2	8989,22	179,2172	0,000000

Table S5

Salt stress effect (four NaCl concentrations: 0, 50, 150 and 300 mM NaCl were considered) using one-way ANOVA: df value, MS effect, F value and P level for biochemical parameters (hydrogen peroxide and proline concentrations) in leaves, stems and roots of *B. vulgaris* cultivated in three variants of experiment (control: non-inoculated, inoculated with: *P. stutzeri* ISE-12 and *K. marisflavi* CSE9) are presented.

Variants	Biochemical parameters	df	MS	F	P
Ctr	Hydrogen peroxide_R	3	230443	13,6525	0,000010
	Hydrogen peroxide_S	3	1611	0,2512	0,859839
	Hydrogen peroxide_L	3	230443	13,6525	0,000010
<i>P. stutzeri</i>	Hydrogen peroxide_R	3	532474	143,694	0,000000
	Hydrogen peroxide_S	3	372288	93,809	0,000000
	Hydrogen peroxide_L	3	164890	116,203	0,000000
<i>K. marisflavi</i>	Hydrogen peroxide_R	3	45668	56,637	0,000000
	Hydrogen peroxide_S	3	75821	20,029	0,000000
	Hydrogen peroxide_L	3	20409,8	24,1144	0,000000
Ctr	Proline_R	3	4660,34	82,4542	0,000000
	Proline_S	3	3222,63	24,4429	0,000001
	Proline_L	3	0,2457	0,2743	0,843342
<i>P. stutzeri</i>	Proline_R	3	5,0325	2,5937	0,069689
	Proline_S	3	642,137	51,9895	0,000000
	Proline_L	3	9,5257	19,8262	0,000000
<i>K. marisflavi</i>	Proline_R	3	60,8699	223,5199	0,000000
	Proline_S	3	76,3233	88,9554	0,000000
	Proline_L	3	37,1643	74,2768	0,000000