



**Supplementary Figure 1. *K. sacchari* PBC6.1 colonizes the surface of corn roots.** PBC6.1 harboring a plasmid with an RFP expression cassette was inoculated onto a corn seed planted on agar in a growth chamber. After seven days of plant growth, the roots were harvested and analyzed via fluorescence microscopy. PBC6.1 can be observed colonizing the perimeters of plant root cells.

Supplementary Table 1. Primers used for colonization studies

Target	Forward	Reverse	Probe
<i>nifH-por2</i> intergenic region	GCTTCCGACTGCATCTCCAT	CAAGGCTGGGATATTCGGTTGGC	/56-FAM/TTCATCTTC/ZEN/ ACGGTCGGTCTGGC/3IABkFQ/
$\Delta$ nI::Prm1	TAAACTGGTACTGGGGCAACT	CAAAATCGAAGGCCAGACGGTAT	/56-FAM/AAAGTTGCCT/ZEN/ GACCCACGATTCCC/3IABkFQ/
$\Delta$ nI::Prm5	GGTGCACTCTTTGCAATGGTT	GCGCAGTCTCGTAAATTGCC	/56-FAM/CAGGAGTGT/ZEN/ GCCGATGACCCGTGAAT/3IABkFQ/

