

Supporting Information for

**Colonization on Cucumber Root and Enhancement of Chlorimuron-ethyl
Degradation in Rhizosphere by *Hansschlegelia zihuaiae* S113 and Root
Exudates**

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Table S1 Physical and chemical properties of yellow-brown soil

Soil	pH	Organic matter (mg/kg)	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)
Yellow-brown soil	6.95	19.77	1.87	0.45	15.48

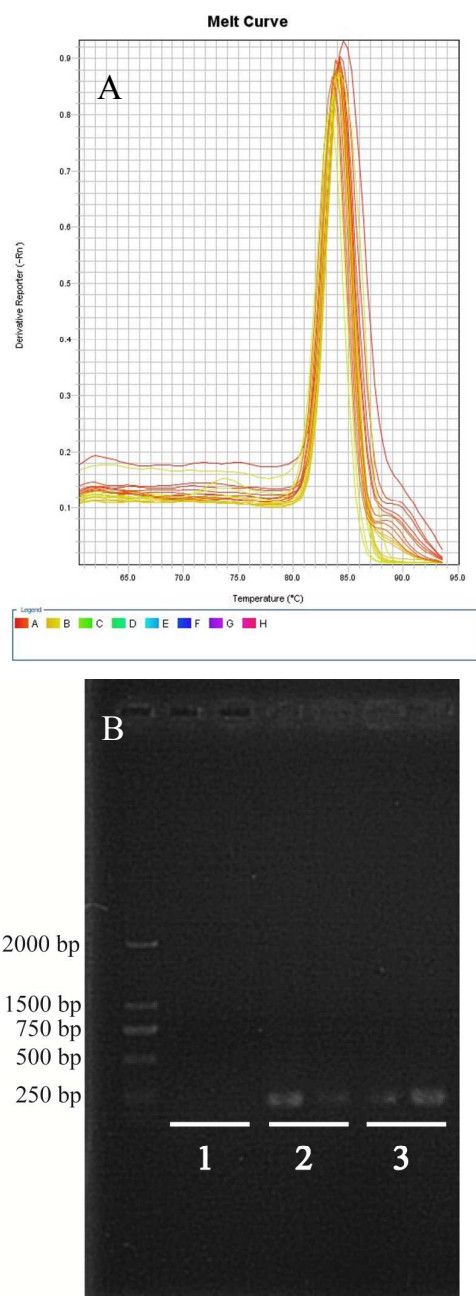


Figure. S1 The specificity verification of the tested FISH primers. A: The melt curve of qPCR using FISH primers; B: Agarose gel electrophoresis of the 202-bp fragment products. 1, amplified using the soil DNA as template; 2, amplified using the DNA of soil added S113 as template; 3, amplified using the genomic DNA of S113 as template.

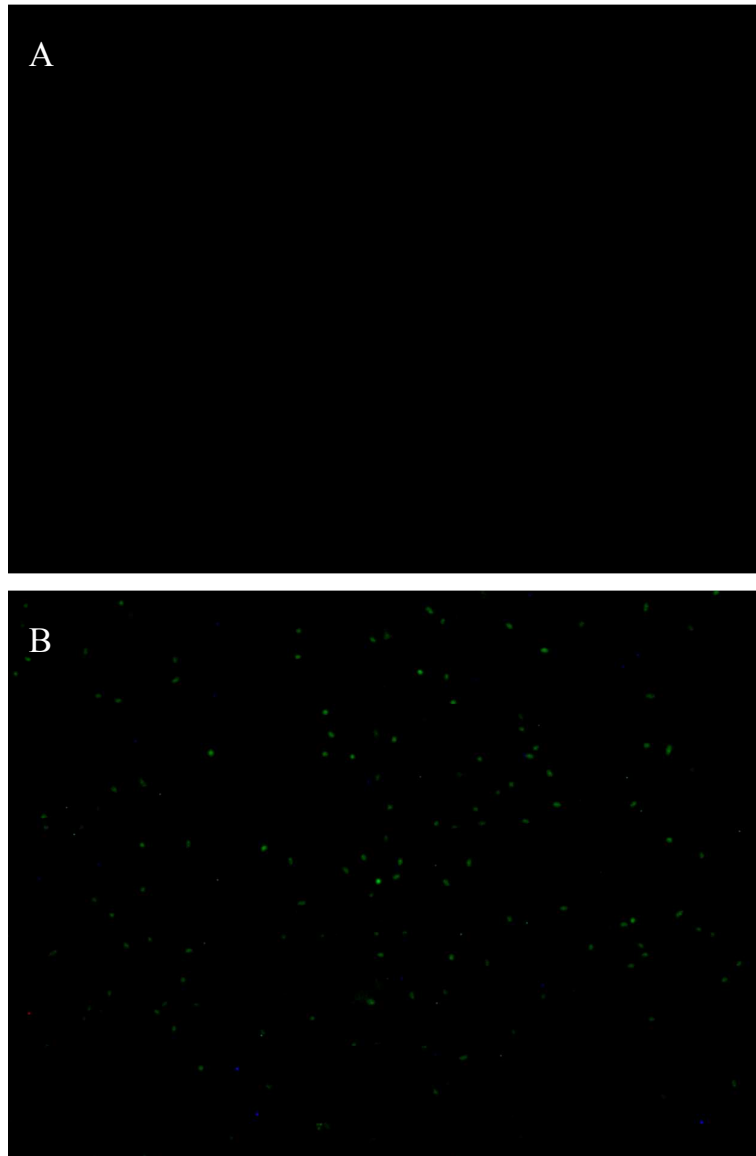


Figure. S2 Comparison of fluorescent micrographs of S113 irradiated with blue light.
A: Cells of S113 without treatment; B: Cells of S113 treated with FISH primers following the protocol of fluorescence in situ hybridization.