## **Supplementary Information**

Wild type (61A101C)

Mutant (JS015)



Figure S1. Representative images of soybean roots inoculated with either the wile type (A) or JS015 (B). Plants were harvested after 4 weeks of growth. Arrows indicate nodules formed on soybean roots. Note that there is no nodule formed on roots with JS015 as shown in (B).