

E1

NEA12

*hph*

*hph*

*DsRed*

A

B

C

D

E

F

G

H

*gfp*

**Figure S1**

PCR analysis of putative reporter gene-containing endophytes carrying *gfp* and *DsRed* genes. (A) and (E) Primers specific for *gfp*. Lane M: 1kb plus marker (Invitrogen). Lane 1-12: Transgenic endophytes expressing GFP. Lane 13: Positive control pEND-*sgfp*. Lane 14: Negative control (H20 control). Lane 15: Non-transgenic endophyte. (B) and (F) Primers specific for *hph*. Lane M: 1kb plus marker (Invitrogen). Lane 1-12: Transgenic endophytes expressing GFP. Lane 13: Positive control pEND0002. Lane 14: Negative control (H20 control). Lane 15: Non-transgenic endophyte. (C) and (G) Primers specific for *DsRed*. Lane M: 1kb plus marker (Invitrogen). Lane 1-12: Transgenic endophytes expressing DsRed. Lane 13: Positive control pEND-*DsRed*. Lane 14: Negative control (H20 control). Lane 15: Non-transgenic endophyte. (D) and (H) Primers specific for *hph*. Lane M: 1kb plus marker (Invitrogen). Lane 1-12: Transgenic endophytes expressing DsRed. Lane 13: Positive control pEND0002. Lane 14: Negative control (H20 control). Lane 15: Non-transgenic endophyte.