



Figure S2. Generation and validation of four *gra* gene knockout strains (PruΔ*gra*85–88). PCR analysis confirming successful deletion of *gra*85–88 in the type II Pru strain. PCR3 and PCR5 verify replacement of the 5' and 3' untranslated regions (UTRs), respectively, with the DHFR selection cassette. PCR4 confirms deletion of the *gra* coding sequences.