



**Fig. S6. Confirmation of the HGT sequences in *Cuscuta campestris*.** RT-PCR using the RNA extracted from haustoria or seedling tissue was used to amplify 24 HGT sequences to verify their presence in independent RNA samples and validate the assembly. X-axis indicates the sizes estimated from gel electrophoresis using the equation  $y=32276e^{-0.491(x)}$ , where  $x$  is the distance traveled in cm; Y-axis indicates the expected size from the assembly. A linear regression model was plotted to fit the estimated and expected sizes.