Transcriptome analysis of *Globodera pallida* from the susceptible host *Solanum tuberosum* or the resistant plant *Solanum sisymbriifolium* 

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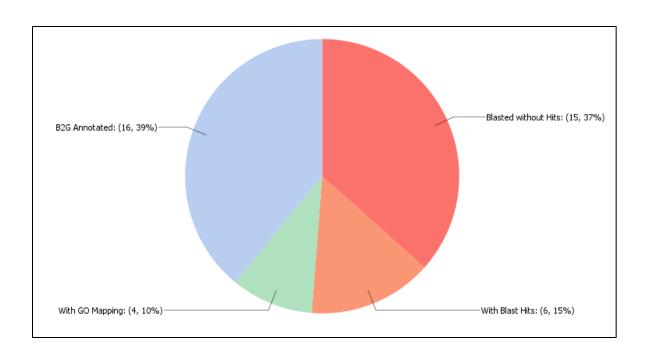


Fig. S1. BLAST statistics of the 41 differentially expressed genes of *Globodera pallida* isolated from *Solanum tuberosum* and *Solanum sisymbriifolium* 24 h post infestation.

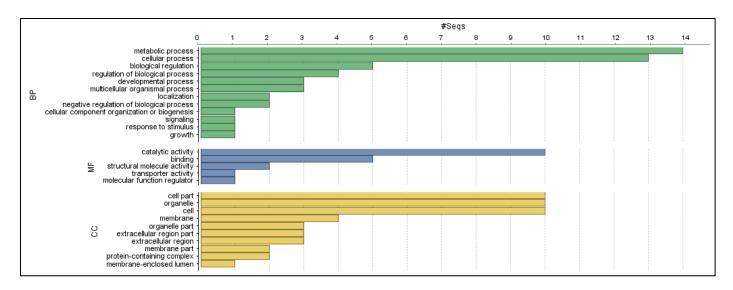


Fig. S2. Distribution of GO annotation terms for biological process (BP), molecular function (MF) and cell compartment (CC) in the differentially expressed genes of *Globodera pallida* isolated from *Solanum tuberosum* and *Solanum sisymbriifolium* 24 h post infestation.



Fig. S3. Globodera pallida invading a root cell of Solanum sisymbriifolium.

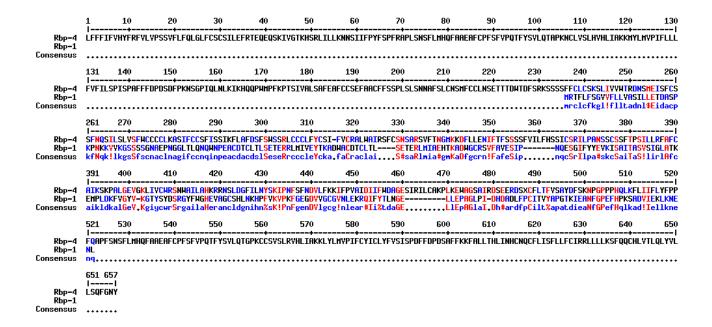


Fig. S4. Protein sequence similarity between Rbp-4 and Rbp-1 (ACJ14490.1 RBP1 [Globodera pallida]

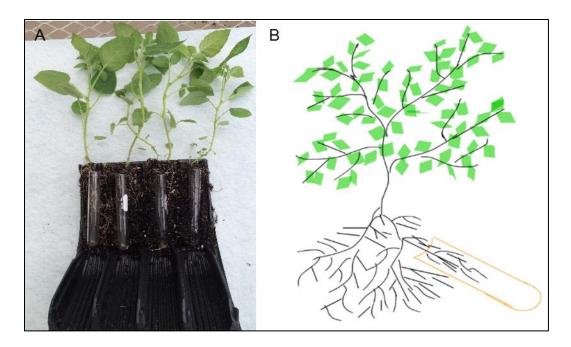


Fig. S5. Single root inoculation technique used for *Globodera pallida* infection. A, *Solanum tuberosum* growing in root trainers, a single root was transferred to the glass tube prior to inoculating with *G. pallida*; B, Prototype of single root inoculation used in the present study.

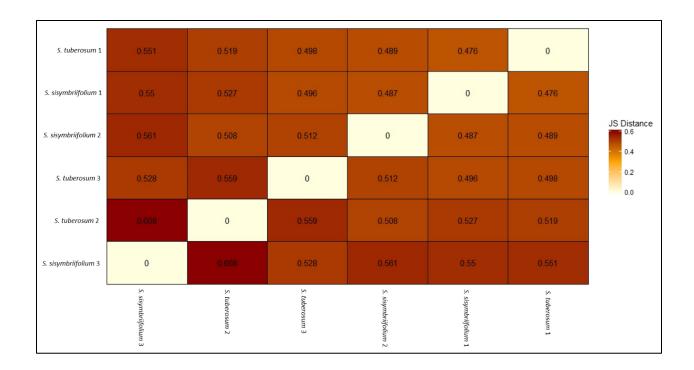


Fig. S6. Distance matrix showing insight into the relationship between the samples from susceptible *Solanum tuberosum* and resistant *Solanum sisymbriifolium* with three biological replicates. The color scale given on the right represents the distance between different samples.