### **High quality draft genome of Arogyapacha *(Trichopus zeylanicus*), an important medicinal plant endemic to Western Ghats of India**

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Supplementary Figures



**Figure S1. Estimation of absolute nuclear DNA amount (genome size) in *T. zeylanicus.*** A. Flow cytometry method. B. K-mer frequency method



**Figure S2. BUSCO Analysis of *T. zeylanicus* genome assembly**. 1440 conserved orthologous gene sets were searched against the genome assembly. The number above each bar indicates the percentage of buscos.



**Figure S3.  Gene ontology enrichment in *T. zeylanicus* complete gene set**. GO enrichment analysis of complete gene set in *T. zeylanicus* was performed using two tailed Fisher's exact test (P value < 0.001). Percentage of enriched GO terms statistically significant with respect to a reference set of *D. rotundata* complete gene set are shown.



**Figure S4. Comparison of the number of disease resistance gene families in *T. zeylanicus* to its closely related species.**

**Figure S5 –S8 legends (because of the large size these figures uploaded separately)**

**Figure S5. Dot plot showing the collinearity between *T. zeylanicus* and *E. Guineensis.*** Each dot represents collinear pair

**Figure S6. Dot plot showing the collinearity between *T. zeylanicus* and *A. comosus.*** Each dot represents collinear pair

**Figure S7. Dot plot showing the collinearity between *T. zeylanicus* and *A. officinalis.*** Each dot represents collinear pair

**Figure S8. Dot plot showing the collinearity between *T. zeylanicus* and *D. rotundata.*** Each dot represents collinear pair