

Additional Files



Figure S1 Analysis of SSRs in tea plant genome. (A) SSR selection; (B) SSR statistic; (C) Search result of specific SSRs; (D) SSR Polymorphism among 11 representative tea plant species; and (E) Three primer pairs designed for each polymorphic SSR.

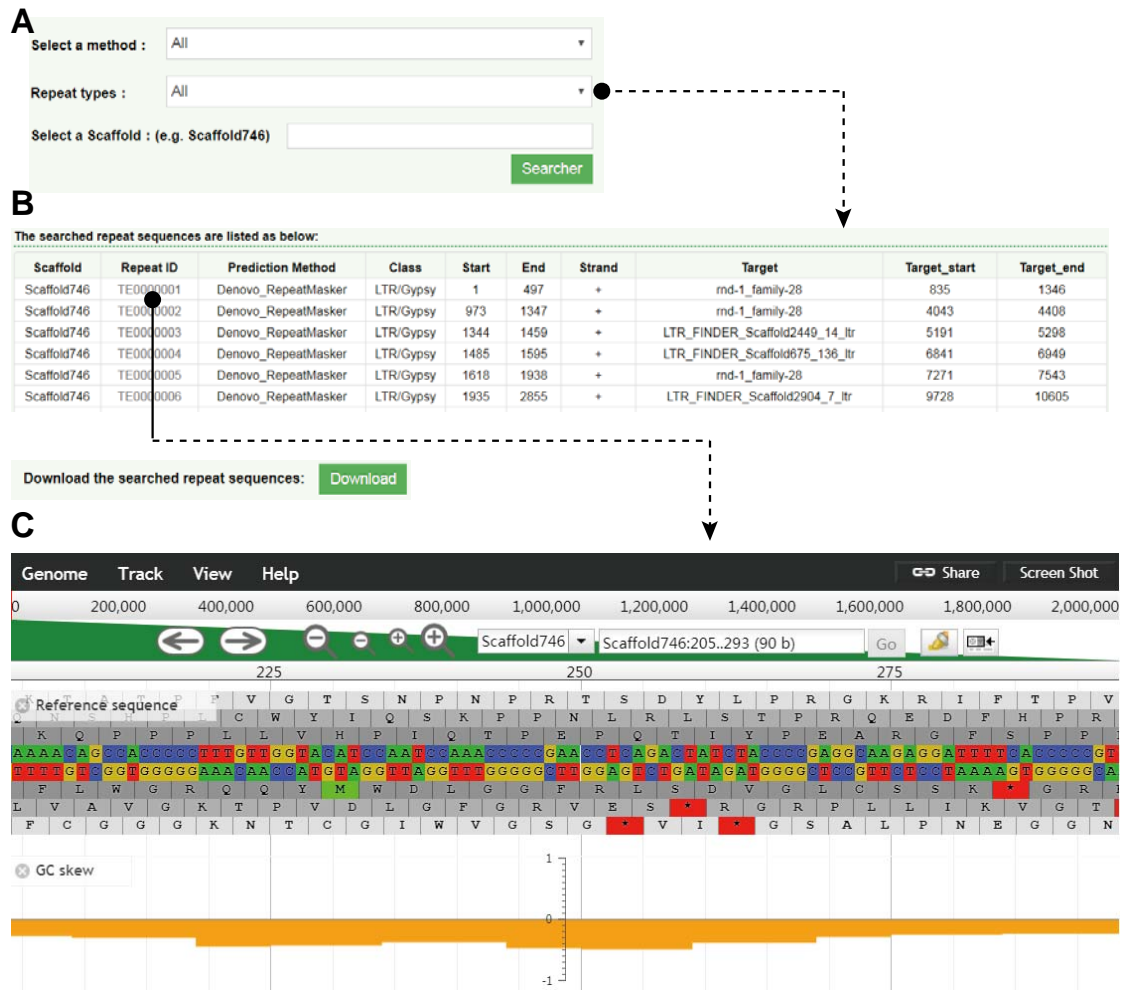


Figure S2 Analysis of repeat sequences in tea plant genome. (A) Annotation method, repeat type and scaffolds selection; **(B)** Search result of specific repeat sequences with download; and **(C)** Visualization of repeat sequences using JBrowse.

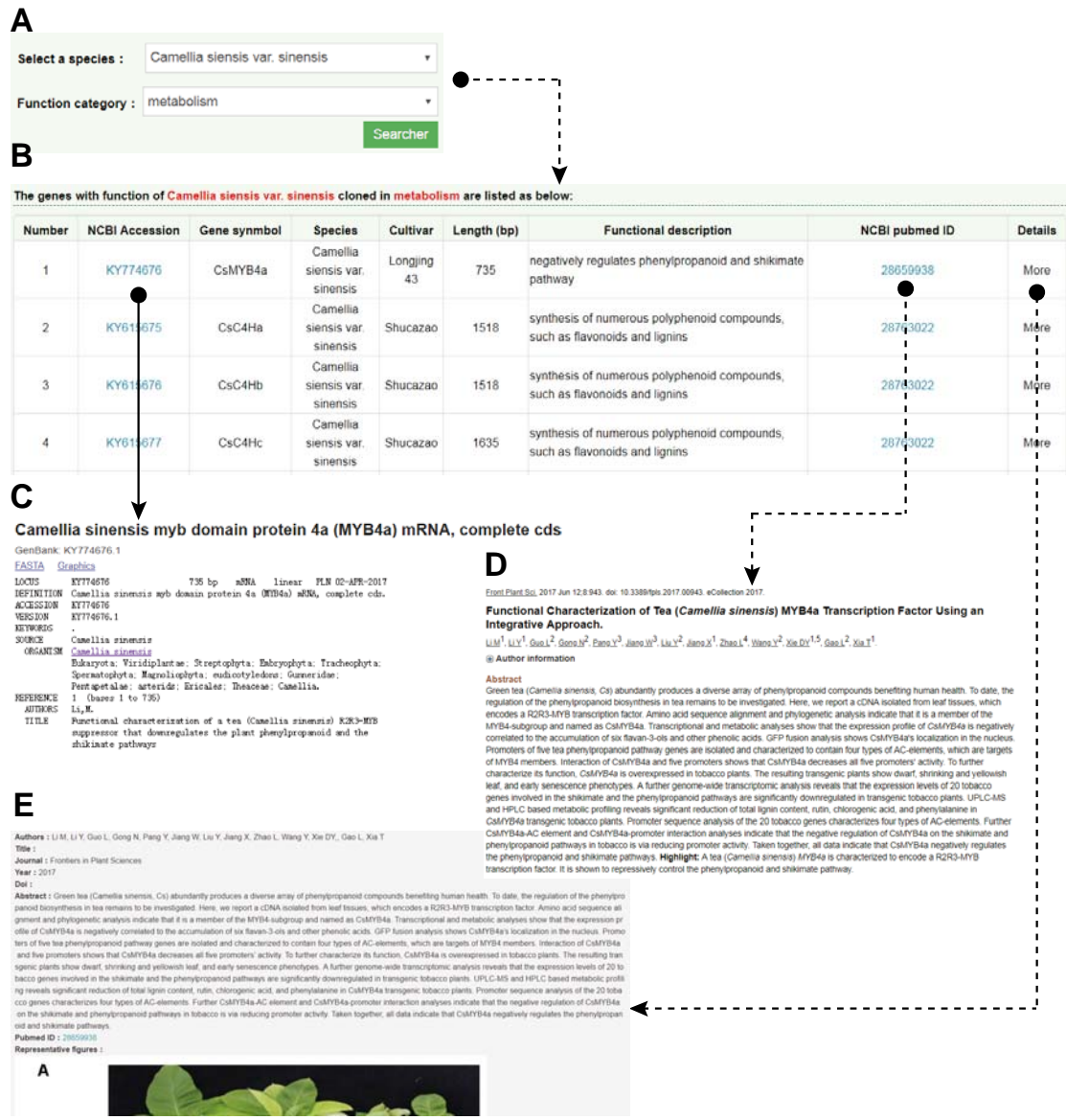


Figure S3 Abundant and well organized functionally characterized genes of tea plant. (A) Species and functional category selection; (B) Search result of metabolism related genes in *Camellia sinensis* var. *sinensis*; (C) Sequence records in NCBI nucleotide database; (D) Related reference in PubMed; and (E) Detail information of the collected genes, particularly the representative figures of functional experiments.

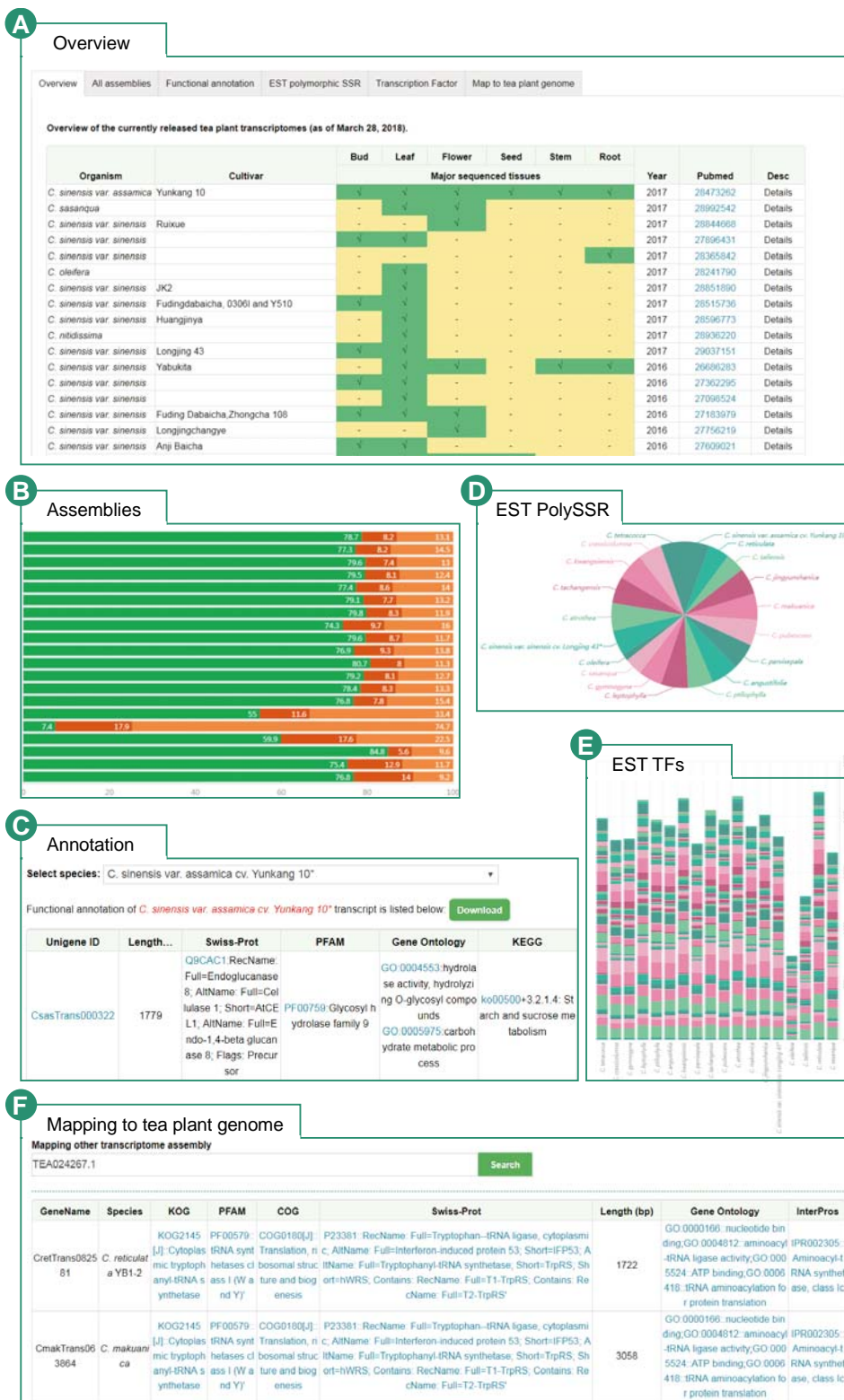


Figure S4 Collection and utilization of tea plant transcriptomes. (A) Overview of the transcriptome collection; (B) Assemblies; (C) Functional annotations, (D) EST polymorphic SSRs, (E) EST transcription factors, and (F) Mapping the transcripts to tea plant genome.


A Search Interface

Overview of the germplasm resources of tea plant world

Species :

Country/Origin :

Are the marker sequences (eg., SSR and cpDNA) available? Yes No



B Germplasms

Accession:	CNE091
Name:	Shifocui (石佛翠)
Voucher:	GS2010006
Notes:	C. sinensis var. sinensis
Notes:	China, Anhui
latitude:	30.6006773
longitude:	117.9249002
Notes:	岳西县石佛群体
Pubmed_ID:	24405939

more details ●

C More Details

Accession:	CSS0135
Name/Group:	Anhui 1
Voucher:	GLM-154096
Species:	C. sinensis var. sinensis
Morphotype:	China type
Origin:	China, Anhui
Latitude:	30.6006773
longitude:	117.9249002
Pubmed ID:	27218820,29422908

D Literatures

Front Plant Sci. 2018 Jan 25;8:2270. doi: 10.3389/fpls.2017.02270. eCollection 2017.

Domestication Origin and Breeding History of the Tea Plant (*Camellia sinensis*) in China and India Based on Nuclear Microsatellites and cpDNA Sequence Data.

Meegahakumbura MK^{1,2,3,4}, Wambulwa MC^{1,2,3,5}, Li MM^{1,3}, Thapa KK⁶, Sun YS⁷, Möller M⁸, Xu JC⁹, Yang JB², Liu J¹, Liu BY¹⁰, Li DZ^{1,2,3}, Gao LM¹.

⊕ Author information

Figure S5 Rapid retrieval of tea plant germplasm information. (A) Search interface; (B) Searched germplasms; (C) Details of the search results; and (D) Related literatures.