

	Number of WRKY genes	Genome size
<i>Oryza sativa</i>	103	389Mb
<i>Triticum aestivum</i>	171	17Gb
<i>Brachypodium distachyon</i>	86	260Mb
<i>Sorghum bicolor</i>	97	730Mb
<i>Zea mays</i>	136	2.3Gb
<i>Populus trichocarpa</i>	104	480Mb
<i>Ricinus communis</i>	56	350Mb
<i>Medicago sativa</i>	28	816Mb
<i>Glycine max</i>	102	2.3Gb
<i>Cucumis sativus</i>	55	367Mb
<i>Gossypium hirsutum</i>	174	1.1Gb
<i>Brassica oleracea</i>	148	630Mb
<i>Arabidopsis thaliana</i>	72	125Mb
<i>Vitis vinifera</i>	59	490Mb
<i>Daucus carota</i>	67	473Mb
<i>Nicotiana tabacum</i>	164	4.6Gb
<i>Solanum lycopersicum</i>	81	900Mb
<i>Capsicum annuum</i>	71	2.87Gb
<i>Actinidia chinensis</i>	89	654Mb
<i>Camellia sinensis</i>	86	3.1Gb

Supplemental Figure 4. Comparisons of genome size and number of WRKY genes between tea plant and other 19 representative plants. The left panel indicates the topology of examined species, which is retrieved from TimeTree database (www.timetree.org). The right panel shows the genome size and number of WRKY genes identified in the examined plant species.