

附表1 香樟WRKY基因家族基本信息

Table 1 Basic information of *Cinnamomum camphora* WRKY gene family

定位名称 Locus name	基因名称 Gene name	等电点 Theoretical pI	分子量 Molecular weight (Da)	氨基酸的数 量 Number of amino acids	α 螺旋 Alpha helix	无规则卷 曲 Random coil	β 转角 Beta turn	延伸链 Extended strand	信号肽预测 Signal Peptide Prediction	亚细胞定位 Subcellular location
Maker00010213	<i>CcWRKY1</i>	9.48	15009.8	133	27.07%	45.11%	9.02%	18.80%	-	细胞核
Maker00001383	<i>CcWRKY2</i>	6.07	100435.6	916	20.52%	64.19%	3.60%	11.68%	-	细胞核
Maker00023810	<i>CcWRKY3</i>	9.44	20605.2	177	32.77%	45.76%	6.21%	15.25%	-	细胞核
Maker00023877	<i>CcWRKY4</i>	7.94	31219.4	278	20.50%	62.95%	4.68%	11.87%	-	细胞核
Maker00023762	<i>CcWRKY5</i>	6.78	23287.5	205	10.24%	63.90%	6.34%	19.51%	-	细胞核
Maker00011705	<i>CcWRKY6</i>	7.19	54354	488	7.38%	78.07%	4.10%	10.45%	-	细胞核
Maker00029283	<i>CcWRKY7</i>	10.12	39198.4	353	25.78%	60.34%	4.53%	9.35%	-	细胞核
Maker00028873	<i>CcWRKY8</i>	6.7	28687	261	22.61%	62.07%	2.68%	12.64%	-	细胞核
Maker00002470	<i>CcWRKY9</i>	5.4	35446.7	318	27.36%	60.69%	4.40%	7.55%	-	细胞核
Maker00026734	<i>CcWRKY10</i>	6.17	35778.2	330	18.48%	67.58%	2.73%	11.21%	-	细胞核
Maker00016479	<i>CcWRKY11</i>	8.14	21950.8	195	26.15%	55.90%	5.13%	12.82%	-	细胞核
Maker00001757	<i>CcWRKY12</i>	9.13	17031.7	152	26.32%	53.29%	7.89%	12.50%	-	细胞核
Maker00013021	<i>CcWRKY13</i>	6.24	35748.4	318	19.81%	63.52%	4.09%	12.58%	-	细胞核
Maker00013004	<i>CcWRKY14</i>	7.05	40467.2	365	31.51%	56.99%	2.19%	9.32%	-	细胞核
Maker00021155	<i>CcWRKY15</i>	7.87	63892.6	587	11.07%	77.85%	2.56%	8.52%	-	细胞核
Maker00008386	<i>CcWRKY16</i>	5.65	62723.3	573	30.89%	52.71%	3.66%	12.74%	-	细胞质、细胞核
Maker00027019	<i>CcWRKY17</i>	7.45	46676.5	427	22.48%	59.48%	2.34%	15.69%	-	细胞核
Maker00021815	<i>CcWRKY18</i>	10.25	38763.9	352	22.44%	67.33%	2.56%	7.67%	-	细胞核
Maker00027425	<i>CcWRKY19</i>	6.03	65194.9	598	22.41%	65.05%	2.84%	9.70%	-	细胞核

Maker00027370	<i>CcWRKY20</i>	9.99	25646	236	25.42%	60.59%	5.51%	8.47%	-	细胞核
Maker00000573	<i>CcWRKY21</i>	8.81	52258.2	471	12.10%	72.82%	4.25%	10.83%	-	细胞核
Maker00000339	<i>CcWRKY22</i>	4.74	47071.7	430	19.30%	68.60%	4.19%	7.91%	-	细胞核
Maker00000693	<i>CcWRKY23</i>	9.43	18686.9	170	27.65%	50.00%	5.88%	16.47%	-	细胞核
Maker00002869	<i>CcWRKY24</i>	7.76	51829.2	481	20.37%	65.07%	4.37%	10.19%	-	细胞核
Maker00002858	<i>CcWRKY25</i>	7.11	33125	297	31.31%	55.22%	3.37%	10.10%	-	细胞核
Maker00003655	<i>CcWRKY26</i>	9.2	25037.8	229	20.52%	58.52%	4.37%	16.59%	-	细胞核
Maker00006333	<i>CcWRKY27</i>	8.27	33153.1	296	22.97%	65.20%	3.04%	8.78%	-	细胞核
Maker00019115	<i>CcWRKY28</i>	6.84	50130.7	456	31.36%	55.48%	3.07%	10.09%	-	细胞核
Maker00019124	<i>CcWRKY29</i>	4.53	26546	242	18.18%	69.42%	3.31%	9.09%	-	细胞核
Maker00023264	<i>CcWRKY30</i>	6.09	32838.2	299	22.07%	58.86%	5.69%	13.38%	-	细胞核
Maker00025256	<i>CcWRKY31</i>	10.02	12558.1	111	18.92%	55.86%	3.60%	21.62%	-	细胞核
Maker00026519	<i>CcWRKY32</i>	6.42	79988.6	740	9.86%	77.70%	2.97%	9.46%	-	细胞核
Maker00004301	<i>CcWRKY33</i>	9.85	24816.7	219	26.03%	52.97%	9.13%	11.87%	-	细胞核
Maker00019512	<i>CcWRKY34</i>	10.24	39654.8	352	23.30%	60.80%	5.11%	10.80%	-	细胞核
Maker00003143	<i>CcWRKY35</i>	9.62	37845.9	339	18.29%	66.08%	2.65%	12.98%	-	细胞核
Maker00003168	<i>CcWRKY36</i>	9.1	26903.1	231	19.91%	57.14%	7.79%	15.15%	-	细胞核
Maker00016810	<i>CcWRKY37</i>	9.8	20865.1	182	17.58%	58.24%	7.14%	17.03%	-	细胞核
Maker00007742	<i>CcWRKY38</i>	5.73	47396.6	430	19.77%	70.70%	3.72%	5.81%	-	细胞核
Maker00024479	<i>CcWRKY39</i>	6.57	70459.6	654	24.31%	61.31%	4.28%	10.09%	-	细胞核
Maker00019539	<i>CcWRKY40</i>	9.71	30229.6	277	19.49%	69.68%	2.17%	8.66%	-	细胞核
Maker00019565	<i>CcWRKY41</i>	5.84	29315.3	267	17.98%	71.16%	2.62%	8.24%	-	细胞核
Maker00019837	<i>CcWRKY42</i>	10.2	36606.5	325	28.92%	59.69%	4.31%	7.08%	-	细胞核
Maker00018431	<i>CcWRKY43</i>	10.65	38685.8	353	19.55%	63.17%	5.10%	12.18%	-	细胞核
Maker00029428	<i>CcWRKY44</i>	6.89	60483.8	561	19.07%	67.38%	2.50%	11.05%	-	细胞核
Maker00029447	<i>CcWRKY45</i>	8.47	35315.7	317	29.65%	56.47%	2.52%	11.36%	-	细胞核

Maker00029446	<i>CcWRKY46</i>	10.09	22945.9	208	20.67%	56.73%	5.77%	16.83%	-	细胞核
Maker00020555	<i>CcWRKY47</i>	5.59	43696.1	400	20.75%	63.00%	4.00%	12.25%	-	细胞核
Maker00002727	<i>CcWRKY48</i>	6.23	37554.5	336	23.21%	63.10%	2.68%	11.01%	-	细胞核
Maker00000864	<i>CcWRKY49</i>	5.39	27470.1	240	16.25%	67.50%	2.50%	13.75%	-	细胞核
Maker00000949	<i>CcWRKY50</i>	6.27	34454.9	313	25.24%	66.77%	1.28%	6.71%	-	细胞核
Maker00016426	<i>CcWRKY51</i>	7.93	56028.8	511	24.85%	63.21%	2.35%	9.59%	-	细胞核
Maker00022378	<i>CcWRKY52</i>	5.71	33627.3	303	25.08%	65.68%	0.99%	8.25%	-	细胞核
Maker00022386	<i>CcWRKY53</i>	6.95	26927.1	236	19.92%	61.44%	4.24%	14.41%	-	细胞核
Maker00008009	<i>CcWRKY54</i>	6.51	73619	674	12.02%	72.55%	3.86%	11.57%	-	细胞核
Maker00004154	<i>CcWRKY55</i>	7.3	54179.8	495	24.04%	64.44%	2.42%	9.09%	-	细胞核
Maker00026173	<i>CcWRKY56</i>	8.93	51656.9	465	11.40%	73.12%	4.73%	10.75%	-	细胞核
Maker00026047	<i>CcWRKY57</i>	6.03	78335.1	724	12.02%	73.07%	3.18%	11.74%	-	细胞核
Maker00010781	<i>CcWRKY58</i>	4.87	30247.3	275	12.00%	73.82%	2.91%	11.27%	-	细胞核
Maker00010751	<i>CcWRKY59</i>	8.55	32897.3	299	23.08%	67.22%	1.67%	8.03%	-	细胞核
Maker00010797	<i>CcWRKY60</i>	6.64	58037.3	532	28.76%	62.03%	1.88%	7.33%	-	细胞核