

附表 1 茶树基因组中 *TPS* 基因信息Supplementary table 1 Details of the identified *TPS* genes in *Camellia sinensis* genome

| 基因名称 | 基因 ID | 染色体定位 | 起始位置 | 终止位置 | 氨基酸长度 | 等电点 | 分子量 | 细胞定位 |
|----------------|--------------|------------|-----------|-----------|-----------|------|----------|--------------------------------|
| Gene name | Gene ID | Chromosome | Start | End | Length/aa | pI | Mw/Da | Subcellular location |
| <i>CsTPS1</i> | CSS0006157.1 | Chr12 | 127748700 | 127755648 | 701 | 6.12 | 79526.07 | 叶绿体/液泡 Chloroplast/ Vacuole |
| <i>CsTPS2</i> | CSS0006690.1 | Chr12 | 23242522 | 23247146 | 700 | 6.65 | 80307.6 | 叶绿体/液泡 Chloroplast/ Vacuole |
| <i>CsTPS3</i> | CSS0007698.1 | contig1177 | 114318 | 119877 | 855 | 5.75 | 96274.83 | 液泡 Vacuole |
| <i>CsTPS4</i> | CSS0011901.1 | Chr2 | 191308634 | 191312814 | 862 | 5.8 | 97875 | 叶绿体/液泡 Chloroplast/ Vacuole |
| <i>CsTPS5</i> | CSS0015171.1 | Chr8 | 136399795 | 136404389 | 855 | 5.75 | 96274.83 | 液泡 Vacuole |
| <i>CsTPS6</i> | CSS0017242.2 | Chr6 | 11549221 | 11555173 | 854 | 6.03 | 96644.74 | 叶绿体/液泡 Chloroplast/ Vacuole |
| <i>CsTPS7</i> | CSS0023794.1 | Chr4 | 90191937 | 90189927 | 461 | 8.85 | 51849.74 | 叶绿体/液泡 Chloroplast/ Vacuole |
| <i>CsTPS8</i> | CSS0032695.1 | Chr10 | 19087569 | 19094378 | 855 | 5.82 | 96444.65 | 细胞质/液泡 Cytoplasm/ Vacuole |
| <i>CsTPS9</i> | CSS0033279.1 | Chr5 | 115783684 | 115807339 | 866 | 5.35 | 98147.93 | 液泡 Vacuole |
| <i>CsTPS10</i> | CSS0038622.1 | Chr8 | 66850631 | 66862398 | 855 | 6.29 | 96580.75 | 叶绿体/液泡 Chloroplast/ Vacuole |
| <i>CsTPS11</i> | CSS0042413.1 | Chr5 | 46628407 | 46660608 | 932 | 7.18 | 104904.5 | 细胞质/液泡 Cytoplasm/ Vacuole |
| <i>CsTPS12</i> | CSS0042946.1 | Chr8 | 66320866 | 66324871 | 790 | 7.6 | 90210.4 | 细胞质/液泡 Cytoplasm/ Vacuole |
| <i>CsTPS13</i> | CSS0045426.1 | Chr7 | 31990033 | 32001282 | 935 | 6.57 | 104599.8 | 细胞质/液泡 Cytoplasm/ Vacuole |
| <i>CsTPS14</i> | CSS0046135.1 | Chr14 | 31858778 | 31864751 | 865 | 5.7 | 97429.23 | 液泡 Vacuole |
| <i>CsTPS15</i> | CSS0047352.1 | Chr10 | 18894736 | 18901652 | 855 | 5.82 | 96398.52 | 细胞质/液泡 Cytoplasm/ Vacuole |
| <i>CsTPS16</i> | CSS0048575.1 | contig440 | 67306 | 78712 | 924 | 6.51 | 103413.4 | 叶绿体/液泡 Chloroplast/ Vacuole |