

Table S3. Prediction of subcellular localization of PtGASA gene.

| Accession number | Predicted location(s) |
|------------------|---|
| <i>PtGASA01</i> | Golgi apparatus. |
| <i>PtGASA02</i> | Cell membrane. Golgi apparatus. Nucleus. |
| <i>PtGASA03</i> | Golgi apparatus. |
| <i>PtGASA04</i> | Cell wall. |
| <i>PtGASA05</i> | Cell membrane. Cell wall. Golgi apparatus. Nucleus. |
| <i>PtGASA06</i> | Cell wall. Golgi apparatus. |
| <i>PtGASA07</i> | Cell wall. |
| <i>PtGASA08</i> | Cell wall. Golgi apparatus. |
| <i>PtGASA09</i> | Cell membrane. Golgi apparatus. Nucleus. |
| <i>PtGASA10</i> | Cell wall. |
| <i>PtGASA11</i> | Golgi apparatus. |
| <i>PtGASA12</i> | Golgi apparatus. Nucleus. |
| <i>PtGASA13</i> | Nucleus. |
| <i>PtGASA14</i> | Golgi apparatus. Nucleus. |
| <i>PtGASA15</i> | Golgi apparatus. |
| <i>PtGASA16</i> | Nucleus. |
| <i>PtGASA17</i> | Golgi apparatus. |
| <i>PtGASA18</i> | Golgi apparatus. Nucleus. |
| <i>PtGASA19</i> | Golgi apparatus. Nucleus. |