**S3 Table.** Similarity analysis between identified *TaPSY* gene sequences.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ***PSY1\_7AL*** | ***PSY1\_7BL*** | ***PSY1\_7DL*** | ***PSY2\_5AS*** | ***PSY2\_5BS*** | ***PSY2\_5DS*** | ***PSY3\_5AL*** | ***PSY3\_5BL*** | ***PSY3\_5DL*** |
| ***PSY1\_7AL*** | 100 | 97.09 | 94.50 | 65.83 | 65.95 | 65.72 | 57.97 | 59.03 | 58.08 |
| ***PSY1\_7BL*** |  | 100 | 90.19 | 65.95 | 65.83 | 65.48 | 57.81 | 59.03 | 58.41 |
| ***PSY1\_7DL***  |  |  | 100 | 67.14 | 66.78 | 67.02 | 57.72 | 59.28 | 58.33 |
| ***PSY2\_5AS*** |  |  |  | 100 | 95.61 | 96.20 | 58.60 | 58.36 | 57.88 |
| ***PSY2\_5BS*** |  |  |  |  | 100 | 96.09 | 59.10 | 58.98 | 58.74 |
| ***PSY2\_5DS*** |  |  |  |  |  | 100 | 58.27 | 58.03 | 57.91 |
| ***PSY3\_5AL*** |  |  |  |  |  |  | 100 | 89.46 | 92.40 |
| ***PSY3\_5BL*** |  |  |  |  |  |  |  | 100 | 95.60 |
| ***PSY3\_5DL*** |  |  |  |  |  |  |  |  | 100 |