

Table S3. Flowering traits of *Col-0*, *LhPEBP* transgenic lines and *mft* mutants

| Type | Days to flowering | Number of rosette leaves |
|--------------------|--------------------------|--------------------------|
| <i>Col-0</i> | 24.72±3.66 ^{bc} | 8.36±1.45 ^{bc} |
| <i>35S::LhFT</i> | 18.70±2.21 ^a | 6.44±1.01 ^a |
| <i>35S::LhTFL1</i> | 24.29±3.95 ^{bc} | 9.50±1.09 ^d |
| <i>35S::LhMFT1</i> | 24.07±3.56 ^b | 8.00±1.04 ^b |
| <i>35S::LhMFT2</i> | 26.93±3.22 ^c | 12.09±1.58 ^e |
| <i>mft</i> mutant | 23.93±3.20 ^b | 9.14±1.56 ^{cd} |

Values represent means±standard deviations (SDs). Different letters in the right corner indicate significant differences in ANOVA tests under the Duncan method ($P < 0.05$)