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| Table S1.. Ranking of gene expression stability based on three independent algorithms: BestKeeper (BK), NormFinder (NF), and geNorm (GN). For each candidate gene, the stability index calculated by each algorithm is presented at beneath. For each algorithm, the higher numbers mean more stability and *vise versa*. |
| Ranking order | all data\* | B-line 19 | B-line 1221 | Planting date 1 | Planting date 2 |
|   | BK | NF | GN | BK | NF | GN | BK | NF | GN | BK | NF | GN | BK | NF | GN |
| 1 | AC | AC | AC | EF | EF | AC | AC | AC | SA | AC | AC | AC | SA | AC | AC |
|   | 1.029 | 0.088 | 1.584 | 0.491 | 0.678 | 0.921 | 0.497 | 0.726 | 1.453 | 0.944 | 0.815 | 1.63 | 0.915 | 0.695 | 1.642 |
| 2 | SA | SA |  EF | AC | AC |  EF | SA | SA | AC | SA | EF |  EF | AC | SA |  EF |
|   | 1.247 | 1.831 | 1.584 | 0.689 | 0.734 | 0.921 | 1.253 | 1.767 | 1.453 | 1.557 | 2.066 | 1.63 | 1.091 | 1.362 | 1.642 |
| 3 | IM | IM | SA | SA | SA | SA | EF | IM | EF | EF | SA | SA | IM | IM | IM |
|   | 2.072 | 2.208 | 1.926 | 1.21 | 1.975 | 1.575 | 1.79 | 2.369 | 1.695 | 2.143 | 2.305 | 1.967 | 1.214 | 1.755 | 1.896 |
| 4 | EF | EF | IM | IM | IM | IM | IM | EF | IM | IM | IM | IM | EF | EF | SA |
|   | 2.138 | 2.268 | 2.334 | 2.009 | 1.996 | 2.007 | 1.808 | 2.556 | 2.358 | 2.383 | 2.452 | 2.607 | 2.132 | 2.611 | 2.033 |
| 5 | UB | GA | GA | UB | UB | UB | GA | GA | GA | UB | GA | GA | UB | UB | UB |
|   | 2.71 | 3.058 | 2.897 | 2.682 | 2.968 | 2.528 | 2.297 | 2.864 | 2.891 | 2.695 | 3.152 | 3.057 | 2.647 | 2.884 | 2.714 |
| 6 | GA | UB | UB | GA | GA | GA | UB | UB | UB | GA | UB | UB | GA | GA | GA |
|   | 2.856 | 3.172  | 3.2 | 3.391 | 3.301 | 2.945 | 2.621 | 3.12 | 3.174 | 2.805 | 3.646 | 3.456 | 2.883 | 3.123 | 3.025 |
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| Table S1 continued |
|  | Flower | Receptacle base | Leaf | Root | Reproductive tissues | Vegetative tissues |
| Ranking order | BK | NF | GN | BK | NF | GN | BK | NF | GN | BK | NF | GN | BK | NF | GN | BK | NF | GN |
| 1 | EF | AC | AC | AC | EF | AC | AC | AC | AC | IM | IM | AC | EF | EF | AC | AC | AC | AC |
|   | 0.34 | 0.39 | 0.77 | 0.09 | 0.48 | 0.95 | 0.21 | 0.26 | 0.52 | 0.47 | 0.25 | 1.82 | 0.49 | 0.68 | 0.92 | 0.49 | 0.73 | 1.45 |
| 2 | AC | SA | EF | EF | AC | EF | SA | SA | SA | AC | AC | EF | AC | AC | EF | SA | SA | SA |
|   | 0.61 | 0.87 | 0.77 | 0.68 | 1.13 | 0.95 | 0.31 | 0.26 | 0.52 | 0.78 | 0.8 | 1.82 | 0.69 | 0.73 | 0.92 | 1.25 | 1.77 | 1.45 |
| 3 | SA | EF | SA | SA | IM | SA | IM | IM | IM | SA | SA | SA | SA | SA | SA | EF | IM | EF |
|   | 1.58 | 1.24 | 1.41 | 0.82 | 2.31 | 1.42 | 1.34 | 2.08 | 1.23 | 1.98 | 2.46 | 2.07 | 1.21 | 1.98 | 1.58 | 1.80 | 2.37 | 1.70 |
| 4 | IM | IM | IM | IM | UB | IM | EF | EF | EF | EF | EF | IM | IM | IM | IM | IM | EF | IM |
|   | 2.05 | 1.95 | 2.05 | 1.97 | 2.32 | 1.93 | 1.47 | 2.43 | 1.41 | 2.12 | 2.89 | 2.29 | 2.01 | 2.00 | 2.01 | 1.81 | 2.56 | 2.36 |
| 5 | UB | UB | UB | UB | SA | UB | GA | GA | GA | GA | UB | UB | UB | UB | UB | GA | GA | GA |
|   | 2.34 | 3.77 | 2.64 | 2.62 | 2.44 | 2.49 | 1.86 | 2.69 | 2.22 | 2.28 | 3.17 | 2.90 | 2.68 | 2.97 | 2.53 | 2.30 | 2.86 | 2.89 |
| 6 | GA | GA | GA | GA | GA | GA | UB | UB | UB | UB | GA | GA | GA | GA | GA | UB | UB | UB |
|   | 3.64 | 4.05 | 3.20 | 3.14 | 2.99 | 2.78 | 2.93 | 3.61 | 2.79 | 2.32 | 3.29 | 3.23 | 3.39 | 3.30 | 2.95 | 2.62 | 3.12 | 3.17 |

\*Description of the data sets subjected to stability analysis are given in Table 2. .

 AC, EF, SA, IM, UB, GA stands for *Actin2*, *EF-1a*, *SAND*, *Importin*, and *GAPDH*, respectively