

Table 3 Analysis of the number of differentially expressed transcription factors in different gene families

| Transcription factor | 20 d-DR VS 1 d-PD |      | 40 d-ND VS 1 d-PD |      | 40 d-ND VS 20 d-DR |      |
|----------------------|-------------------|------|-------------------|------|--------------------|------|
|                      | up                | down | up                | down | up                 | down |
| AP2                  | 1                 | 1    | 0                 | 0    | 1                  | 1    |
| ARF                  | 3                 | 1    | 3                 | 1    | 0                  | 0    |
| ARR-B                | 2                 | 0    | 1                 | 0    | 0                  | 0    |
| B3                   | 3                 | 0    | 4                 | 0    | 1                  | 2    |
| BES1                 | 0                 | 3    | 0                 | 3    | 0                  | 0    |
| bHLH                 | 11                | 4    | 13                | 4    | 8                  | 2    |
| bZIP                 | 13                | 4    | 14                | 6    | 7                  | 6    |
| C2H2                 | 13                | 5    | 20                | 9    | 16                 | 6    |
| C3H                  | 8                 | 3    | 5                 | 5    | 0                  | 7    |
| CO-like              | 0                 | 0    | 1                 | 0    | 0                  | 0    |
| CPP                  | 0                 | 1    | 0                 | 0    | 0                  | 0    |
| DBB                  | 1                 | 0    | 0                 | 1    | 0                  | 1    |
| Dof                  | 6                 | 1    | 4                 | 1    | 0                  | 3    |
| E2F/DP               | 0                 | 1    | 0                 | 0    | 0                  | 0    |
| EIL                  | 0                 | 0    | 1                 | 0    | 0                  | 0    |
| ERF                  | 9                 | 15   | 12                | 13   | 11                 | 4    |
| FAR1                 | 3                 | 0    | 3                 | 0    | 0                  | 0    |
| G2-like              | 4                 | 2    | 4                 | 3    | 1                  | 1    |
| GATA                 | 3                 | 2    | 3                 | 3    | 2                  | 0    |
| GeBP                 | 0                 | 2    | 0                 | 3    | 0                  | 2    |
| GRAS                 | 4                 | 6    | 6                 | 9    | 1                  | 2    |
| GRF                  | 3                 | 0    | 3                 | 0    | 0                  | 0    |
| HB-other             | 4                 | 0    | 4                 | 0    | 3                  | 0    |
| HD-ZIP               | 4                 | 0    | 6                 | 1    | 3                  | 0    |
| HRT-like             | 1                 | 0    | 1                 | 0    | 0                  | 1    |
| HSF                  | 2                 | 1    | 0                 | 2    | 0                  | 2    |
| LBD                  | 0                 | 0    | 0                 | 2    | 0                  | 2    |
| MIKC_MADS            | 1                 | 0    | 1                 | 1    | 0                  | 1    |
| M-type_MADS          | 2                 | 0    | 2                 | 0    | 2                  | 1    |
| MYB                  | 7                 | 0    | 10                | 0    | 6                  | 1    |
| MYB related          | 5                 | 1    | 6                 | 4    | 2                  | 2    |
| NAC                  | 13                | 3    | 13                | 5    | 2                  | 5    |
| NF-X1                | 0                 | 1    | 0                 | 1    | 0                  | 1    |
| NF-YA                | 1                 | 0    | 0                 | 2    | 0                  | 2    |
| NF-YB                | 1                 | 2    | 2                 | 4    | 1                  | 2    |
| NF-YC                | 2                 | 1    | 3                 | 2    | 3                  | 2    |
| Nin-like             | 1                 | 0    | 0                 | 0    | 0                  | 1    |
| TALE                 | 1                 | 0    | 1                 | 0    | 0                  | 0    |
| TCP                  | 3                 | 1    | 5                 | 1    | 2                  | 1    |
| Trihelix             | 7                 | 3    | 5                 | 6    | 2                  | 1    |
| VOZ                  | 1                 | 0    | 0                 | 0    | 0                  | 0    |
| Whirly               | 2                 | 0    | 2                 | 0    | 0                  | 0    |
| WOX                  | 0                 | 1    | 1                 | 1    | 1                  | 1    |
| WRKY                 | 9                 | 2    | 16                | 3    | 7                  | 0    |
| YABBY                | 2                 | 0    | 2                 | 0    | 1                  | 0    |
| ZF-HD                | 3                 | 1    | 2                 | 1    | 1                  | 2    |