**Table S4**. The mean rank and standard deviation of candidate genes as the most likely causal genes for the PD2 hotspot across different thresholds.

|  |  |  |
| --- | --- | --- |
| candidates | mean rank | SD rank |
| AT3G26744 (ICE1) | 1.38 | 2.74 |
| AT3G27350 | 3.63 | 4.24 |
| AT3G27610 | 4.05 | 1.15 |
| AT3G27925 | 4.36 | 5.59 |
| AT3G26950 | 5.09 | 2.35 |
| AT3G27280 | 5.87 | 2.48 |
| AT3G27360 | 7.21 | 3.11 |
| AT3G24550 | 11.15 | 7.55 |
| AT3G27930 | 11.72 | 3.31 |
| AT3G24503 | 12.81 | 7.19 |
| AT3G25160 | 13.95 | 5.73 |
| AT3G27220 | 14.06 | 6.79 |
| AT3G27430 | 14.52 | 6.12 |
| AT3G24315 | 14.84 | 2.76 |
| AT3G28345 | 14.85 | 4.31 |
| AT3G26240 | 15.41 | 3.13 |
| AT3G29090 | 15.79 | 5.51 |
| AT3G28060 | 19.61 | 4.4 |
| AT3G28460 | 20.35 | 7.21 |
| AT3G25870 | 20.65 | 2.73 |
| AT3G24830 | 20.9 | 2.77 |
| AT3G28150 | 21.11 | 5.32 |
| AT3G24030 | 22.44 | 3.66 |
| AT3G27670 | 24.43 | 4.04 |
| AT3G22890 | 25.92 | 4.05 |
| AT3G23090 | 26.67 | 4.11 |
| AT3G25040 | 27.8 | 5.23 |
| AT3G26170 | 29.02 | 5.79 |
| AT3G27440 | 29.5 | 8.28 |
| AT3G28700 | 30.01 | 5.18 |
| AT3G24255 | 31.31 | 5.21 |
| AT3G28956 | 31.32 | 5.39 |
| AT3G28940 | 31.67 | 5.16 |
| AT3G27660 | 32.19 | 4.47 |
| AT3G24070 | 33.18 | 6.39 |
| AT3G27560 | 33.86 | 4.48 |
| AT3G23030 | 33.97 | 5.75 |
| AT3G26380 | 36.79 | 7.84 |
| AT3G24630 | 37.36 | 4.34 |
| AT3G28740 | 37.96 | 7.65 |
| AT3G24430 | 38.98 | 5.73 |
| AT3G25780 | 39.89 | 3.91 |
| AT3G25013 | 40.35 | 4.7 |
| AT3G28920 | 42.07 | 1.73 |
| AT3G29075 | 45 | 0.03 |