

Table 1 Classification of alternative splicing events identified in different treatments of two lines of potato plants

| Treatments | Description | Samples | ES | AD | AA | IR | Other | Total |
|------------|------------------|---------|------|------|------|-----|-------|-------|
| HY0 | +RB, Water, 0h | 3 | 753 | 647 | 1224 | 380 | 1074 | 4084 |
| HY1 | +RB, Water, 6h | 3 | 801 | 683 | 1299 | 405 | 1114 | 4302 |
| HY3 | +RB, Water, 24h | 3 | 796 | 650 | 1299 | 387 | 1089 | 4221 |
| MHY0 | +RB, P. inf, 0h | 3 | 752 | 650 | 1186 | 360 | 1103 | 4051 |
| MHY1 | +RB, P. inf, 6h | 3 | 680 | 573 | 1043 | 307 | 960 | 3563 |
| MHY3 | +RB, P. inf, 24h | 3 | 697 | 597 | 1104 | 347 | 1013 | 3758 |
| MRY0 | WT, P. inf, 0h | 3 | 772 | 663 | 1220 | 377 | 1080 | 4112 |
| MRY1 | WT, P. inf, 6h | 3 | 772 | 651 | 1272 | 383 | 1074 | 4152 |
| MRY3 | WT, P. inf, 24h | 3 | 754 | 622 | 1184 | 359 | 1004 | 3923 |
| RY0 | WT, Water, 0h | 3 | 707 | 567 | 1077 | 334 | 962 | 3647 |
| RY1 | WT, Water, 6h | 3 | 692 | 571 | 1083 | 320 | 979 | 3645 |
| RY3 | WT, Water, 24h | 3 | 708 | 611 | 1097 | 318 | 982 | 3716 |
| HY | +RB, Water | 9 | 1035 | 925 | 1956 | 616 | 1644 | 6176 |
| MHY | +RB, P. inf | 9 | 862 | 781 | 1539 | 459 | 1490 | 5131 |
| MRY | WT, P. inf | 9 | 1007 | 847 | 1741 | 520 | 1546 | 5661 |
| RY | WT, Water | 9 | 865 | 720 | 1479 | 440 | 1301 | 4805 |
| WT | All WT | 18 | 1181 | 960 | 2095 | 606 | 1972 | 6814 |
| RB | All +RB | 18 | 1201 | 1093 | 2390 | 732 | 2313 | 7729 |
| All36 | All 36 samples | 36 | 1563 | 1368 | 3091 | 884 | 3340 | 10246 |

Note: ES: exon skipping; AD: alternative donor; AA: alternative acceptor; IR: intron retention; P. inf: *Phytophthora infestans* inoculated