### **Table S4.4.** Avirulence L protein targets expressed by cultivar *Solanum tuberosum* cv. Valor and *S. tuberosum* cv. BP1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | **Log2 Fold Changes** | | | |
| **Gene ID** | **Araport ID** | **Description** | **6 hpi** | **12 hpi** | **24 hpi** | **72 hpi** |
| **Valor specific genes** | | | | | | |
| PGSC0003DMG400027770 | AT3G61150 | Cutin deficient 2 | - |  | -1.21 | -1.35 |
| PGSC0003DMG400001339 | AT1G18570 | Protein 1 | - |  | - | -3.72 |
| PGSC0003DMG400012396 | AT1G53230 | Lanceolate | - | -3.07 | - | -1.23 |
| PGSC0003DMG400002394 | AT4G17710 | Homeobox protein | - | -3.59 | - | -2.95 |
| PGSC0003DMG400005892 | AT5G22290 | Transcription factor | - | -1.11 | 1.12 | - |
| PGSC0003DMG400000523 | AT3G27960 | Kinesin light chain | -2.27 | -3.33 | - | - |
| PGSC0003DMG400015156 | AT3G01670 | Conserved gene of unknown function | -4.90 | 1.16 | - | - |
| PGSC0003DMG400000008 | AT2G45660 | Transcription factor | -1.25 | -1.69 | - | - |
| PGSC0003DMG400026479 | AT3G21490 | Metal ion binding protein | -1.93 | - | - | - |
| PGSC0003DMG400010789 | AT1G76850 | Exocyst complex component | -1.43 | - | - | - |
| PGSC0003DMG400032251 | AT3G63210 | Conserved gene of unknown function | - | - | - | - |
| PGSC0003DMG400004306 | AT4G32190 | Ubiquitin-protein ligase BRE1A | - | - | - | - |
| PGSC0003DMG400033694 | AT1G14687 | Zinc finger homeodomain protein SZF-HD1 | - | 1.92 | - | - |
| PGSC0003DMG400009658 | AT1G79430 | Myb family transcription factor APL | - | -1.36 | - | -1.15 |
| PGSC0003DMG400016727 | AT4G22240 | Light-induced protein, chloroplastic | - | -5.34 | - | 1.41 |
| PGSC0003DMG400024368 | AT4G19700 | Conserved gene of unknown function | - | - | - | 1.17 |
| PGSC0003DMG400020716 | AT2G02540 | Transcription factor | - | - | - | -2.73 |
| PGSC0003DMG400001362 | AT3G02150 | Transcription factor | - | - | - | -1.10 |
| PGSC0003DMG400018105 | AT4G25920 | Ubiquitin-protein ligase | - | - | - | -6.46 |
| **BP1 specific genes** | | | | | | |
| PGSC0003DMG400025390 | AT5G60120 | Apetala 2 | - |  | -1.33 | -1.04 |
| PGSC0003DMG400004012 | AT2G23420 | Nicotinate phosphoribosyltransferase | - |  | 1.42 | - |
| PGSC0003DMG400001498 | AT4G28640 | Auxin-responsive protein IAA13 | - | -1.63 | - | - |
| PGSC0003DMG400005408 | AT3G54390 | Transcription factor | - | 1.70 | - | - |
| PGSC0003DMG401000722 | AT4G34460 | Guanine nucleotide-binding protein subunit beta | - | -1.36 | - | - |
| PGSC0003DMG400006481 | AT3G57870 | Ubiquitin carrier protein | - | -1.33 | - | - |
| PGSC0003DMG400026574 | AT3G56270 | Myosin heavy chain | - | 1.14 | - | 1.23 |
| PGSC0003DMG400005891 | AT5G22310 | Conserved gene of unknown function | - | 1.012 | - | 1.18 |
| **Valor and BP1 common genes** | | | | | | |
| PGSC0003DMG400019824 | AT2G25000 | JA-induced WRKY protein | 2.22/ 3.21 | 0 / 3.82 | 0/ 3.19 | 2.67 / 0 |
| PGSC0003DMG400006321 | AT5G22355 | Conserved gene of unknown function | 12.19 / 0 | 12.13 / 3.99 | 11.39 / 3.35 | 10.32/ 0 |
| PGSC0003DMG400017592 | AT3G53350 | P70 protein | -1.05 / 0 | -1.11 / -1.19 | 0 / 0 | 0 / 0 |
| PGSC0003DMG400004808 | AT4G25200 | Mitochondrial small heat shock protein | -1.23 / -0.76 | -0.95/ -1.05 | 1.21/ 2.16 | 2.72/ 3.36 |
| PGSC0003DMG400005388 | AT1G18400 | Basic helix-loop-helix protein BHLH5 | 0 / 0 | 0 / 1.46 | -1.31/ 0 | 0 / 0 |
| PGSC0003DMG400015482 | AT4G36540 | Transcription factor bHLH63 | -1.69 / 0 | 0 / -1.39 | -1.35 / -1.56 | -1.99 / -1.14 |
| PGSC0003DMG400018091 | AT3G48550 | Nucleic acid binding protein | 0 / 0 | 0 / -0.84 | 0 / -1.52 | -1.77/ -1.30 |
| PGSC0003DMG400010034 | AT5G66560 | Photoreceptor-interacting protein | -1.10 / 0 | 0 / 0 | 0 / -1.35 | 0 / -0.87 |
| PGSC0003DMG400000546 | AT3G49570 | UP-9A | -1.29 / -1.42 | -1.33 / 0 | 0 / 0 | 1.86 / 1.55 |
| PGSC0003DMG400026345 | AT5G22310 | Conserved gene of unknown function | -0.66 / | 0 / 0 | 0 / 0 | -1.05 / -1.18 |
| PGSC0  003DMG400021701 | AT5g02050 | Conserved gene of unknown function | 1.59 / 0 | 0 / 0 | 0 / 0 | 0 / -1.21 |
| PGSC0003DMG400034312 | AT1g27300 | Conserved gene of unknown function | -1.11 / 0 | 0 / 0 | 1.38/ 0 | 2.60 / 1.38 |
| PGSC0003DMG400000545 | AT5G24660 | UP-9A | -1.26 / 0 | -2.32 / 0 | 0 / 0 | 1.10 / 1.29 |
| PGSC0003DMG400000493 | AT3G01500 | Carbonic anhydrase | -6.60 | 0 / -5.24 | -3.02 / 0 | -6.29 / -3.11 |
| PGSC0003DMG400020510 | AT4G17680 | Ubiquitin-protein ligase | 0/ -1.87 | 0 / -2.28 | 0 / -1.28 | -1.22 / 0 |
| **Key to table**  **a**Fold change values for *S*. *tuberosum* cv. Valor and BP1 per timepoint are separated by “/”. | | | | | | |