**Table S1**. **List of relevant EST sequences induced in olive roots (cv. Arbequina) by the biocontrol, endophytic strain *Pseudomonas fluorescens* PICF7.** The EST Sequence Name refers to the codes assigned within the cDNA library. ARBRI means ARBequina Roots Induced gene and ARBRI-C indicates an ARBequina Roots Induced gene identified as part of a Contig. T7 refers to the forward T7 universal primers used for sequencing. Homologous genes were identified in the GenBank protein database (non-redundant) by running the Blastx algorithm set to 1.0 E-3 (in Blast2GO v. 2.4.5). ESTs homologous to protein with unknown function are not included in this table. EST sequence name, putative protein function, organism, accession number, and related E-value are shown.

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| --- | --- | --- | --- | --- |
| **EST Sequence Name** | **Putative protein function** | **Organism** |  **Accession Number** | **E-Value** |
| ARBRI-C1 | cystein proteinase | *Ipomoea nil* | BAF46302 | 1,41E-65 |
| ARBRI-C3 | eukaryotic initiation factor 5a | *Vitis vinifera* | XP\_002284583.1 | 2,03E-28 |
| ARBRI-C5 | skp1-like protein 3 | *Petunia x hybrida* | ACA61785 | 1,75E-47 |
| ARBRI-C6 | short chain alcohol | *Forsythia x intermedia* | AAK38665 | 4,21E-42 |
| ARBRI-C7 | pyruvate decarboxylase | *Citrus sinensis* | AAZ05069 | 5,62E-33 |
| ARBRI-C8 | lipid transfer protein | *Populus trichocarpa* | XP\_002330868 | 7,20E-17 |
| ARBRI-C9 | patatin-like protein 1 | *Vitis vinifera* | CBI19560 | 9,23E-66 |
| ARBRI-C11 | papain-like cysteine proteinase | *Ricinus communis* | XP\_002512963 | 1,90E-57 |
| ARBRI-C12 | cytochrome p450 | *Solanum chacoense* | P93531 | 2,74E-40 |
| ARBRI-C14 | aldehyde dehydrogenase | *Ricinus communis* | XP\_002525343.1 | 8,80E-52 |
| ARBRI-C16 | Dehydrin | *Solanum chilense* | ADQ73953 | 1,73E-16 |
| ARBRI-C17 | ubiquitin-conjugating enzyme e2 | *Brassica napus* | ACC38297 | 9,27E-49 |
| ARBRI-C18 | glutathione transferase | *Vitis vinifera* | CBI27161 | 3,44E-88 |
| ARBRI-C19 | methyl binding domain protein | *Ricinus communis* | XP\_002509754 | 1,01E-7 |
| ARBRI-C20 | mta sah | *Populus trichocarpa* | XP\_002331152 | 7,85E-77 |
| ARBRI-C21 | aldehyde dehydrogenase family 7  | *Vitis vinifera* | XP\_002278093 | 1,23E-16 |
| ARBRI-C22 | 14 kda proline-rich protein | *Vitis vinifera* | XP\_002270769 | 7,93E-17 |
| ARBRI-C23 | mip pip subfamily | *Olea europaea* | ABB13429 | 1,52E-14 |
| ARBRI-C24 | hexaubiquitin protein | *Nymphaea hybrid cultivar* | BAJ61942 | 1,51E-30 |
| ARBRI-C25 | thaumatin-like protein | *Sambucus nigra* | AAK59275 | 1,29E-13 |
| ARBRI-C27A | pr-10 protein | *Nicotiana tabacum* | BAJ25784.1 | 4,02E-17 |
| ARBRI-C27C | zip family metal transporter | *Chengiopanax sciadophylloides* | BAE48709 | 2,32E-12 |
| ARBRI-C29 | glutamine synthetase | *Avicennia marina* | AAK08103 | 8,90E-84 |
| ARBRI-C30 | drought-induced protein sdi-6-like | *Olea europaea* | ABS72020 | 4,42E-46 |
| ARBRI-C31 | pathogen induced cyclophilin | *Arachis diogoi* | ABQ53546 | 1,81E-45 |
| ARBRI-C32 | zinc finger protein glo3-like | *Ricinus communis* | XP\_002527677 | 3,81E-34 |
| ARBRI-C33 | at3g27090 moj10\_18 | *Ricinus communis* | XP\_002509516 | 3,86E-71 |
| ARBRI-C34 | vacuolar atp synthase subunit g | *Populus trichocarpa* | XP\_002316363 | 2,60E-26 |
| ARBRI-C35 | chorismate synthese | *Solanum Lycopersicum* | Q42884 | 1,20E-51 |
| ARBRI-C36 | serine threonine protein | *Populus trichocarpa* | XP\_002312380 | 1,16E-38 |
| ARBRI-C40 | acting on ester | *Vitis vinifera* | XP\_002280162 | 1,41E-36 |
| ARBRI-C43 | oligopeptide transporter opt family | *Populus trichocarpa* | XP\_002298639 | 1,11E-41 |
| ARBRI-C46 | PLAT\_plant\_stress | *Vitis vinifera* | CBI31241 | 3,82E-50 |
| ARBRI-C47 | ubiquitin-conjugating enzyme e2-17 kda | *Zea mays* | NP\_001146868 | 4,82E-48 |
| ARBRI-C48 | auxin response factor 2 | *Solanum Lycopersicum* | ABC69711 | 4,23E-7 |
| ARBRI-C49 | dimethylmenaquinone methyltransferase  | *Gossypium hirsutum* | ACJ11725 | 1,03E-40 |
| ARBRI-C50 | Catalase | *Mesembryanthemum crystallinum* | AAC19397 | 3,38E-67 |
| ARBRI-C51 | malate dehydrogenase | *Glycine max* | ACU17786.1 | 2,31E-68 |
| ARBRI-C52 | superoxide dismutase | *Haberlea rhodopensis* | ADX36104 | 1,02E-18 |
| ARBRI-C53 | cytochrome p450 | *Glycine max*  | ABC68413 | 2,23E-46 |
| ARBRI-C54 | pyruvate dehydrogenase | *Citrus x paradis* | AAY86036 | 1,01E-42 |
| ARBRI-C55 | p53 binding protein | *Arabidopsis lyrata*  | XP\_002888590 | 2,15E-14 |
| ARBRI-C56 | short chain alcohol | *Ricinus communis* | XP\_002523859 | 2,28E-31 |

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| ARBRI-C58 | aquaporin pip2 | *Arabidopsis thaliana* | BAA22098 | 9,99E-44 |
| ARBRI-C60 | short chain alcohol dehydrogenase | *Solanum tuberosum* | ABA46758 | 2,38E-28 |
| ARBRI-C64 | sorbitol transporter | *Malus x domestica* | BAD42345 | 5,65E-71 |
| ARBRI-C65 | u2 snrnp auxiliary small | *Thellungiella halophila* | BAJ34257 | 4,32E-6 |
| ARBRI-C66 | caax prenyl protease | *Populus trichocarpa* | XP\_002302601 | 7,28E-49 |
| ARBRI-C67 | cardenolide 16-o-glucohydrolase | *Olea europaea* | AAL93619 | 3,06E-23 |
| ARBRI-C68 | beta-galactosidase | *Actinidia deliciosa* | ADV41669 | 1,55E-59 |
| ARBRI-C70 | Cyclophilin | *Nicotiana tabacum* | ABS30424 | 1,33E-50 |
| ARBRI-C71 | r2r3-myb transcription factor | *Nicotiana langsdorffii x sandarae* | ABV02032 | 2,49E-25 |
| ARBRI-C72 | h+-transporting two-sector | *Vitis vinifera* | CBI22163 | 1,17E-51 |
| ARBRI-C73 | phenylalanine ammonia-lyase | *Catharanthus roseus* | BAA95629 | 1,73E-58 |
| ARBRI-C74 | bhlh transcription factor | *Solanum Lycopersicum* | AAD46413 | 9,63E-11 |
| ARBRI-C75 | ethylene-responsive transcription | *Vitis vinifera* | XP\_002267008 | 1,90E-41 |
| ARBRI-C76 | allergen pru protein | *Salvia miltiorrhiza* | ABR10301 | 2,12E-32 |
| ARBRI-C77 | Protein | *Vitis vinifera* | XP\_002272536 | 3,17E-36 |
| ARBRI-C78 | short chain alcohol | *Populus trichocarpa* | XP\_002327628 | 3,57E-66 |
| ARBRI-C80 | translationally controlled tumor protein | *Salvia miltiorrhiza* | ABR92336 | 8,81E-63 |
| ARBRI-C83 | wrky transcription factor 5 | *Solanum tuberosum* | ABU49724 | 6,05E-58 |
| ARBRI-C84 | xylose isomerise | *Ricinus communis* | XP\_002532409 | 3,24E-65 |
| ARBRI-C85 | serine threonine-protein kinase | *Vitis vinifera* | CBI40719 | 8,27E-32 |
| ARBRI-C86 | wrky transcription factor 50-51 | *Capsicum annuum* | ABP24358 | 1,42E-26 |
| ARBRI-C87 | reticuline oxidase precursor | *Ricinus communis* | XP\_002523149 | 1,89E-49 |
| ARBRI-C88 | Wound-induced protein 1 | *Solanum tuberosum* | P20144 | 2,36E-24 |
| ARBRI-C89 | glycoside hydrolase family 1 protein | *Olea europaea* | AAL93619 | 4,83E-45 |
| ARBRI-C90 | phosphoglycerate kinase | *Nicotiana benthamiana* | ADR71054 | 2,60E-111 |
| ARBRI-C91 | nuclear transport factor 2 | *Populus trichocarpa* | XP\_002297847 | 9,13E-57 |
| ARBRI-C92 | beta-amylase | *Nicotiana langsdorffii x sanderae* | AAY89374 | 1,06E-104 |
| ARBRI-C93 | cold-induced glucosyl transferase | *Olea europaea* | ACW82415 | 1,13E-25 |
| ARBRI-C95 | esterase formylglutathione hydrolase | *Populus trichocarpa* | XP\_002328576 | 1,12E-33 |
| ARBRI-C97 | structural constituent of cell wall | *Ricinus communis* | XP\_002517918 | 5,49E-18 |
| ARBRI-C99 | receptor protein kinase clavata1 | *Ricinus communis* | EEF52194 | 2,90E-9 |
| ARBRI-C100 | translation initiation factor | *Carica papaya* | ABS01354 | 2,10E-29 |
| ARBRI-C101 | diphthamide biosynthesis protein 3 | *Ricinus communis* | XP\_002519128 | 3,34E-22 |
| ARBRI-C102 | superoxide dismutase | *Haberlea rhodopensis* | ADX36104 | 6,41E-37 |
| ARBRI-C103 | cytochrome p450 | *Vitis vinifera* | CBI30225 | 8,35E-67 |
| ARBRI-C104 | hypothetical protein 894764 | *Arabidopsis lyrata subsp. lyrata* | XP\_002888732 | 1,10E-14 |
| ARBRI-C105 | short chain alcohol | *Vitis vinifera* | CBI28275 | 1,44E-33 |
| ARBRI-C106 | xri1 (x-ray induced transcript 1) | *Vitis vinifera* | XP\_002272402 | 2,84E-76 |
| ARBRI-C107 | sap domain-containing protein | *Vitis vinifera* | XP\_002276745 | 1,04E-15 |
| ARBRI-C108 | step ii splicing factor | *Ricinus communis* | XP\_002524613 | 1,60E-8 |
| ARBRI-C110 | auxin response factor 2 | *Solanum Lycopersicum* | ABC69711 | 4,21E-7 |
| ARBRI-C111 | acireductone dioxygenase | *Arabidopsis lyrata*  | XP\_002868260 | 1,05E-88 |
| ARBRI-C112 | 24 kda seed maturation protein | *Populus trichocarpa* | XP\_002299504 | 3,06E-12 |
| ARBRI-C113 | subtilisin-like protease | *Solanum Lycopersicum* | CAA07250 | 1,38E-12 |
| ARBRI-C115 | allergen protein | *Prunus dulcis x persica* | ACE80948 | 2,77E-10 |
| ARBRI-C116 | Protein | *Vitis vinifera* | XP\_002283881 | 2,94E-34 |
| ARBRI-C117 | glyceraldehyde dehydrogenase | *Nicotiana tabacum* | CAB39974 | 1,15E-78 |
| ARBRI-C118 | protein phosphatise | *Vitis vinifera* | CBI22956 | 6,86E-64 |
| ARBRI-C119 | trehalose 6-phosphate synthase | *Vitis vinifera* | CBI32125 | 2,32E-34 |
| ARBRI-C121 | actin depolymerizing factor 5 | *Populus trichocarpa* | XP\_002305510.1 | 1,15E-45 |
| ARBRI-C122 | pathogenesis-related thaumatin-like  | *Theobroma cacao* | AAV34889 | 5,64E-34 |
| ARBRI-C123 | glycoside hydrolase family 17 protein | *Vitis vinifera* | XP\_002270153 | 6,49E-58 |
| ARBRI-C124 | 2 family protein | *Populus trichocarpa* | XP\_002305805 | 2,21E-21 |
| ARBRI-C125 | conserved hypothetical protein | *Ricinus communis* | XP\_002513455 | 3,38E-11 |
| ARBRI-C126 | apoptosis inhibitory 5 family protein | *Vitis vinifera* | XP\_002282903 | 1,16E-72 |
| ARBRI-C127 | gtp-binding protein  | *Ricinus communis* | XP\_002526048 | 7,40E-57 |
| ARBRI-C128 | NDR1/HIN1-Like protein  | *Arabidopsis lyrata* | XP\_002862711 | 4,95E-21 |
| ARBRI-C129 | aleurone layer morphogenesis protein | *Vitis vinifera* | CBI36653 | 1,22E-11 |
| ARBRI-C130 | rhicadhesin receptor | *Ricinus communis* | XP\_002531992 | 3,45E-72 |
| ARBRI-C133 | Enolase | *Glycine max* | AAS18240 | 1,99E-31 |
| ARBRI-C134 | plasma membrane intrinsic protein | *Olea europaea* | ABB13429 | 8,15E-77 |
| ARBRI-C135 | translation factor SUI1 protein | *Coffea Arabica* | CAD58629 | 5,50E-9 |
| ARBRI-C136 | Protein | *Ricinus communis* | XP\_002530876 | 1,85E-42 |
| ARBRI-C137 | atp binding | *Ricinus communis* | XP\_002526287 | 5,19E-12 |
| ARBRI-C138 | c-x8-c-x5-c-x3-h type zn-finger | *Catharanthus roseus* | P35007 | 1,75E-63 |
| ARBRI-C140 | acetone-cyanohydrin lyase | *Nicotiana tabacum* | AAR87711 | 1,12E-20 |
| ARBRI-C141 | aldo keto reductase family protein | *Manihot esculenta* | AAX84672 | 5,78E-14 |
| ARBRI-C143 | GRAS1 transcription factor | *Solanum Lycopersicum* | ABD72958 | 7,63E-91 |
| ARBRI-C144 | elicitor-responsive protein | *Ricinus communis* | XP\_002533151 | 1,12E-14 |
| ARBRI-C145 | pi starvation-induced protein | *Nicotiana tabacum* | BAA06151 | 1,45E-25 |
| ARBRI-C146 | short chain alcohol | *Ricinus communis* | XP\_002523859 | 4,20E-31 |
| ARBRI-C147 | alpha-galactosidase | *Salvia miltiorrhiza* | AAU86897 | 2,23E-50 |
| ARBRI-C151 | lysine ketoglutarate reductase | *Sorghum bicolour* | XP\_002459174 | 2,17E-45 |
| ARBRI-C152 | kunitz trypsin inhibitor 4 | *Glycine max* | ACU15788 | 3,46E-6 |
| ARBRI-C153 | metal ion binding | *Ricinus communis* | XP\_002509857 | 1,50E-14 |
| ARBRI-C155 | nuclear protein | *Ricinus communis* | XP\_002530606 | 2,83E-29 |
| ARBRI-C156 | RNA and export factor binding protein | *Ricinus communis* | XP\_002531375 | 1,67E-10 |
| ARBRI-C157 | zinc finger domain-containing protein | *Petunia x hybrida* | AAD02556 | 8,44E-34 |
| ARBRI-C159 | rna binding | *Vitis vinifera* | XP\_002273353 | 1,09E-12 |
| ARBRI-C161 | purine permease | *Vitis vinifera* | XP\_002285717 | 1,42E-29 |
| ARBRI-C164 | kunitz trypsin proteinase inhibitor  | *Capsicum annuum* | P83241 | 9,26E-9 |
| ARBRI-C166 | nicotiana lesion-inducing like | *Nicotiana tabacum* | AAC49975 | 1,03E-32 |
| ARBRI-C167 | tumor-related protein | *Vitis vinifera* | CBI35471 | 2,32E-31 |
| ARBRI-C168 | na+ h+ antiporter | *Salicornia europaea* | AAN08157 | 2,16E-10 |
| ARBRI-C169 | chaperone protein dnaj chloroplast | *Phaseolus vulgaris* | AAB36543 | 6,27E-21 |
| ARBRI-C171 | beta-galactosidase | *Actinidia deliciosa* | ADV41669 | 8,04E-14 |
| ARBRI-C173 | flavonol synthase  | *Populus trichocarpa* | XP\_002336690 | 1,33E-54 |
| ARBRI-C174 | atp-binding cassette transporter | *Sorghum bicolour* | XP\_002444554 | 4,37E-10 |
| ARBRI-C177 | elav-like protein 4 | *Ricinus communis* | XP\_002530915 | 1,89E-23 |
| ARBRI-C179 | atp citrate lyase | *Populus trichocarpa* | XP\_002312331 | 2,01E-19 |
| ARBRI-C181 | stem-specific protein | *Ricinus communis* | XP\_002519037 | 2,40E-12 |
| ARBRI-C183 | alpha-glucan-protein synthase | *Ricinus communis* | XP\_002512611 | 1,40E-36 |
| ARBRI-C184 | serine hydroxymethyltransferase | *Vitis vinifera* | CBI17302 | 2,68E-72 |
| ARBRI-C185 | selenoprotein precursor | *Vitis vinifera* | XP\_002273955 | 7,78E-35 |
| ARBRI-C186 | phosphatidyl serine synthase | *Vitis vinifera* | XP\_002283058 | 1,77E-14 |
| ARBRI-C188 | cysteine protease | *Citrus sinensis* | ABS12459 | 2,54E-38 |
| ARBRI-C189 | transitional endoplasmic reticulum | *Dimocarpus longan* | ACC66148 | 5,05E-15 |
| ARBRI-C190 | glycosyltransferase-like protein | *Ricinus communis* | XP\_002523710 | 6,48E-18 |
| ARBRI-C191 | Calmodulin | *Zea mays* | NP\_001131288 | 9,58E-54 |
| ARBRI-1\_T7\_B01 | caffeoyl- o-methyltransferase | *Vitis vinifera* | AMB79759.1 | 3,50E-56 |
| ARBRI-1\_T7\_B02 | seed maturation protein | *Ricinus communis* | XP\_002521590 | 1,77E-15 |
| ARBRI-1\_T7\_C02 | vacuolar atpases | *Citrus limon* | Q9SWE7 | 4,41E-30 |
| ARBRI-1\_T7\_D12\_ | nac domain ipr003441 | *Ricinus communis* | XP\_002512632 | 4,46E-22 |
| ARBRI-1\_T7\_E02 | fra e allergen | *Fraxinus excelsior* | ABU95409 | 1,40E-60 |
| ARBRI-1\_T7\_E03 | brassinosteroid-regulated protein  | *Medicago truncatula* | ACJ85040 | 8,60E-50 |
| ARBRI-1\_T7\_E05 | dicarboxylate tricarboxylate carrier | *Citrus junos* | AAR06239 | 9,56E-25 |
| ARBRI-1\_T7\_E07 | pathogenesis-related protein 10 | *Vitis vinifera* | CAN83787 | 9,82E-14 |
| ARBRI-1\_T7\_E10 | brassinosteroid-regulated protein | *Medicago truncatula* | ACJ85040 | 8,60E-50 |
| ARBRI-1\_T7\_E11 | s-adenosylmethionine decarboxylase | *Ipomoea nil]* | Q96471 | 5,78E-14 |
| ARBRI-1\_T7\_F06 | cinnamyl alcohol dehydrogenase | *Striga asiatica* | ABG35772 | 7,80E-65 |
| ARBRI-1\_T7\_H05 | exocyst complex | *Ricinus communis* | XP\_002511193 | 7,61E-51 |
| ARBRI-1\_T7\_H06 | 14-3-3 protein | *Manihot esculenta* | AAY67798 | 7,78E-43 |
| ARBRI-1\_T7\_H12 | aspartate aminotransferase | *Solanum tuberosum* | ABB55364 | 1,72E-50 |
| ARBRI-2\_T7\_B09 | quinone reductase family protei | *Arabidopsis thaliana* | NP\_194457 | 4,52E-35 |
| ARBRI-2\_T7\_C01 | sorbitol transporter | *Populus trichocarpa* | XP\_002313809 | 2,32E-56 |
| ARBRI-2\_T7\_C02 | Catalase | *Prunus avium* | ABM47415 | 1,43E-41 |
| ARBRI-2\_T7\_C04 | malate dehydrogenase | *Glycine max* | ACU17786 | 2,34E-68 |
| ARBRI-2\_T7\_C12 | Catalase | *Oryza sativa Japonica* | NP\_001048861 | 1,43E-51 |
| ARBRI-2\_T7\_D06 | homeobox-leucine zipper protein | *Vitis vinifera* | XP\_002265944 | 7,62E-11 |
| ARBRI-2\_T7\_E05 | auxin-repressed protein | *Manihot esculenta* | AAX84678 | 5,27E-16 |
| ARBRI-2\_T7\_E06 | calcium-binding protein | *Solanum tuberosum* | Q09011 | 9,21E-12 |
| ARBRI-2\_T7\_F05 | Lipoxygenase | *Olea europaea* | ACG56281.1 | 4,81E-70 |
| ARBRI-2\_T7\_H04 | f-box family protein | *Populus trichocarpa* | XP\_002307387 | 8,30E-10 |
| ARBRI-2\_T7\_H05 | beta-glucanase | *Olea europaea* | CAH17549 | 1,08E-36 |
| ARBRI-2\_T7\_H08 | protease inhibitor seed storage  | *Populus trichocarpa* | XP\_002315191 | 8,53E-26 |
| ARBRI-3\_T7\_B01 | acyl- synthetase | *Vitis vinifera* | XP\_002270385 | 7,12E-41 |
| ARBRI-3\_T7\_B06 | trypsin proteinase inhibitor precursor | *Solanum lycopersicum* | Q43502 | 1,81E-12 |
| ARBRI-3\_T7\_B12 | aluminum-induced protein | *Solanum tuberosum* | ABA46788 | 3,41E-19 |
| ARBRI-3\_T7\_C06 | Dehydrin | *Helianthus petiolaris* | CAC80712 | 2,71E-8 |
| ARBRI-3\_T7\_D01 | receptor protein kinase clavata1 | *Populus trichocarpa* | XP\_002325963 | 6,91E-12 |
| ARBRI-3\_T7\_D04 | peroxidase-like protein | *Vitis vinifera* | XP\_002266365 | 3,37E-58 |
| ARBRI-3\_T7\_D07 | glutathione s-transferase | *Populus trichocarpa* | XP\_002328824 | 7,16E-49 |
| ARBRI-3\_T7\_E01 | aluminum-induced protein | *Codonopsis lanceolata]* | AAW02789.1 | 2,02E-112 |
| ARBRI-3\_T7\_E08 | phosphate transporter | *Arabidopsis lyrata* | XP\_002879774 | 5,30E-39 |
| ARBRI-3\_T7\_E12 | phospholipase d | *Gossypium raimondii* | ACG63795 | 3,01E-59 |
| ARBRI-3\_T7\_F03 | phosphate synthase | *Vitis vinifera* | CBI19189 | 7,08E-38 |
| ARBRI-3\_T7\_G07 | Ubiquitin | *Puccinia graminis* | EFP86686 | 1,95E-80 |
| ARBRI-3\_T7\_G08 | translationally controlled tumor prot | *Vitis vinifera* | XP\_002271212 | 1,94E-22 |
| ARBRI-3\_T7\_H05 | ferredoxin- chloroplast | *Helianthus annuus* | AAY85661 | 5,05E-32 |
| ARBRI-3\_T7\_H08 | Cytochrome | *Vitis vinifera* | XP\_002276812 | 2,68E-75 |
| ARBRI-3\_T7\_H10 | reversibly glycosylated polypeptide-3 | *Vitis vinifera* | CBI15676 | 1,46E-111 |
| ARBRI-4\_T7\_A09 | trypsin proteinase inhibitor precursor | *Capsicum annuum* | P83241 | 2,02E-8 |
| ARBRI-4\_T7\_B03 | blight-associated protein p12 | *Oryza sativa*  | EAZ09461 | 4,36E-11 |
| ARBRI-4\_T7\_B06 | beta-galactosidase | *Medicago truncatula* | ABN08770 | 1,25E-16 |
| ARBRI-4\_T7\_C05 | aldehyde dehydrogenase | *Fagus sylvatica* | CBY92007 | 6,11E-24 |
| ARBRI-4\_T7\_C08 | coated vesicle membrane | *Populus trichocarpa* | XP\_002300383 | 8,84E-12 |
| ARBRI-4\_T7\_D01 | hexose transporter | *Olea europaea* | ABJ98314 | 2,05E-80 |
| ARBRI-4\_T7\_D07 | elongation factor 2 | *Triticum monococcum* | AAW78583 | 3,5E-26 |
| ARBRI-4\_T7\_D12 | leucine-rich repeat family protein | *Ricinus communis* | XP\_002521155 | 8,78E-35 |
| ARBRI-4\_T7\_E07 | ubiquitin-conjugating enzyme e2 i | *Glycine max* | ACU13836.1 | 3,73E-50 |
| ARBRI-4\_T7\_F11 | membrane protein | *Vitis vinifera* | CBI27668 | 1,34E-10 |
| ARBRI-4\_T7\_G02 | ubiquitin-like protein | *Arabidopsis lyrata* | XP\_002866079 | 2,22E-22 |
| ARBRI-4\_T7\_G09 | universal stress protein | *Ricinus communis* | XP\_002519217 | 2,13E-53 |
| ARBRI-4\_T7\_G12 | aldehyde dehydrogenase | *Ricinus communis* | XP\_002518343 | 4,72E-52 |
| ARBRI-4\_T7\_H03 | Actin | *Actinidia deliciosa* | ABR45727 | 7,14E-73 |
| ARBRI-4\_T7\_H08 | beta- glucanase | *Olea europaea* | CAH17549 | 2,80E-37 |
| ARBRI-4\_T7\_H10 | HMR1 dna-binding protein | *Antirrhinum majus* | CAA15421 | 3,82E-16 |
| ARBRI-4\_T7\_H12 | chemocyanin precursor | *Populus trichocarpa* | XP\_002298184 | 1,91E-26 |
| ARBRI-5\_T7\_A04 | class IV chitinase | *Vitis vinifera* | CBI24652 | 7,85E-43 |
| ARBRI-5\_T7\_A09 | peroxidase-like protein | *Gossypium hirsutum* | ACJ11762 | 6,24E-57 |
| ARBRI-5\_T7\_A10 | PGPD14 zinc finger | *Petunia x hybrida* | AAD02556 | 2,81E-29 |
| ARBRI-5\_T7\_D07 | atp synthase beta chain | *Plantago major* | CAJ38391.1 | 6,17E-42 |
| ARBRI-5\_T7\_D09 | phosphate synthase | *Populus trichocarpa* | XP\_002307364 | 5,24E-42 |
| ARBRI-5\_T7\_F05 | lignin-forming anionic peroxidase | *Nicotiana sylvestris* | Q02200 | 1,14E-33 |
| ARBRI-5\_T7\_G05 | beta xylosidase | *Camellia sinensis* | ACD93208 | 1,26e-45 |
| ARBRI-5\_T7\_H07 | beta-catenin-like protein 1 | *Ricinus communis* | XP\_002526189 | 2,74E-24 |
| ARBRI-6\_T7\_A01 | nadp-malic enzyme | *Solanum lycopersicum* | AAB58727 | 2,75E-42 |
| ARBRI-6\_T7\_A10 | phosphoenolpyruvate carboxylase | *Panicum ovuliferum* | CAM84112 | 4,22E-25 |
| ARBRI-6\_T7\_B02 | cytochrome p450 | *Vitis vinifera* | CBI19610 | 1,54E-35 |
| ARBRI-6\_T7\_B12 | glutathione s-transferase | *Jatropha curcas* | ADB85090 | 6,94E-20 |
| ARBRI-6\_T7\_C01 | phloem transcription factor m1 | *Populus trichocarpa* | XP\_002315956 | 2,30E-7 |
| ARBRI-6\_T7\_C11 | gdp-mannose pyrophosphorylase | *Carica papaya* | ACN66754 | 1,37E-15 |
| ARBRI-6\_T7\_D01 | ornithine aminotransferase | *Nicotiana tabacum* | ADM47437 | 6,43E-21 |
| ARBRI-6\_T7\_D03 | d-3-phosphoglycerate dehydrogenas | *Ricinus communis* | XP\_002518687 | 2,33E-106 |
| ARBRI-6\_T7\_D05 | plasma membrane intrinsic protein 1a | *Fraxinus excelsior* | AAT74898 | 1,00E-18 |
| ARBRI-6\_T7\_E02 | glutamate decarboxylase | *Ricinus communis* | XP\_002528515 | 2,09E-40 |
| ARBRI-6\_T7\_E05 | abscisic insensitive 1b | *Solanum lycopersicum* | BAI39595 | 8,70E-34 |
| ARBRI-6\_T7\_F12 | protein phosphatise | *Vitis vinifera* | CBI22956 | 2,63E-63 |
| ARBRI-6\_T7\_H05 | short chain alcohol | *Forsythia x intermedia* | AAK38665 | 3,40E-38 |
| ARBRI-6\_T7\_H06 | diphosphate reductase | *Catharanthus roseus* | ABI30631 | 1,85E-36 |
| ARBRI-7\_T7\_A02 | superoxide dismutase | *Fagus sylvatica* | CAE54085 | 3,45E-72 |
| ARBRI-7\_T7\_A05 | plant viral-response family | *Vitis vinifera* | XP\_002284765 | 1,08E-67 |
| ARBRI-7\_T7\_A07 | sorbitol transporter | *Populus trichocarpa* | XP\_002313809 | 2,28E-56 |
| ARBRI-7\_T7\_A08 | cysteine protease | *Ipomoea nil* | BAF46302 | 3,03E-14 |
| ARBRI-7\_T7\_B02 | cytochrome p450 | *Vitis vinifera* | CBI30225 | 1,15E-60 |
| ARBRI-7\_T7\_C08 | 14 kda proline-rich protein | *Vitis vinifera* | XP\_002270769 | 1,36E-21 |
| ARBRI-7\_T7\_C11 | radical-induced cell death1 protein  | *Vitis vinifera* | CBI33838 | 3,77E-17 |
| ARBRI-7\_T7\_D03 | 33 kda secretory protein | *Ricinus communis]* | XP\_002533056 | 1,09E-36 |
| ARBRI-7\_T7\_E04 | pathogen-related protein | *Salvia miltiorrhiza* | ABR10301 | 1,07E-7 |
| ARBRI-7\_T7\_F05 | bzip domain class transcription factor | *Populus trichocarpa* | XP\_002306888 | 4,13E-12 |
| ARBRI-7\_T7\_F06 | pathogenesis-related thaumatin  | *Vitis vinifera* | XP\_002274137 | 6,07E-8 |
| ARBRI-7\_T7\_F09 | small gtp-binding protein | *Ricinus communis* | XP\_002531780 | 1,05E-19 |
| ARBRI-7\_T7\_F12 | Aquaporin | *Iris x hollandica* | BAF44223 | 1,14E-38 |
| ARBRI-7\_T7\_G01 | ornithine aminotransferase | *Vitis vinifera* | CAN73779 | 2,58E-12 |
| ARBRI-7\_T7\_G04 | phosphoric diester hydrolase | *Ricinus communis* | XP\_002516864 | 3,04E-39 |
| ARBRI-7\_T7\_H04 | zinc finger | *Medicago truncatula* | ABN08073 | 1,02E-8 |
| ARBRI-7\_T7\_H08 | Glutaredoxin | *Tilia platyphyllos* | AAL04507 | 5,34E-38 |
| ARBRI-8\_T7\_A03 | r3h domain containing | *Vitis vinifera* | XP\_002283240 | 1,30E-15 |
| ARBRI-8\_T7\_A05 | auxin signaling f-box 3 | *Populus trichocarpa* | XP\_002328871 | 5,48E-20 |
| ARBRI-8\_T7\_B03 | GRAS1 | *Solanum lycopersicum* | ABD72958 | 1,6E-4 |
| ARBRI-8\_T7\_B04 | cytoplasmic aconitate hydratase | *Citrus clementina* | CBE71057 | 2,42E-65 |
| ARBRI-8\_T7\_B05 | clathrin coat assembly protein | *Populus trichocarpa* | XP\_002318532 | 1,03E-10 |
| ARBRI-8\_T7\_B12 | auxin-induced protein | *Ricinus communis* | XP\_002531394 | 4,83E-29 |
| ARBRI-8\_T7\_D03 | ubiquitin-protein ligase | *Ricinus communis* | XP\_002510699 | 2,04E-4 |
| ARBRI-8\_T7\_D06 | cysteine proteinase | *Narcissus pseudonarcissus* | AAL69389 | 1,05E-9 |
| ARBRI-8\_T7\_D07 | ef hand family protein | *Populus trichocarpa* | XP\_002319225 | 4,0E-10 |
| ARBRI-8\_T7\_F07 | Tomf2 | *Nicotiana tomentosiformis* | AAZ81601 | 1,43E-25 |
| ARBRI-8\_T7\_F10 | nucleic acid binding | *Vitis vinifera* | XP\_002283240 | 5,61E-33 |
| ARBRI-8\_T7\_G02 | protein kinase c inhibitor | *Ricinus communis* | XP\_002520586 | 1,48E-44 |
| ARBRI-8\_T7\_G05 | pyruvate dehydrogenase  | *Populus trichocarp* | XP\_002311788 | 3,57E-42 |
| ARBRI-8\_T7\_G06 | Glycoprotein | *Populus trichocarpa* | XP\_002306876 | 1,66E-13 |
| ARBRI-8\_T7\_H05 | beta-galactosidase | *Actinidia deliciosa* | ADV41669 | 1,64E-19 |
| ARBRI-8\_T7\_H08 | ubiquitin-protein ligase | *Ricinus communis* | XP\_002510699 | 3,04E-23 |
| ARBRI-8\_T7\_H09 | armadillo beta-catenin  | *Oryza sativa Japonica* | NP\_001176902 | 4,06E-8 |
| ARBRI-9\_T7\_A03 | f-box family expressed | *Vitis vinifera* | CBI31833 | 1,01E-9 |
| ARBRI-9\_T7\_A10 | phosphoglycerate mutase | *Mesembryanthemum crystallinum* | Q42908 | 1,83E-60 |
| ARBRI-9\_T7\_B02 | dehydration responsive element | *Arabidopsis lyrata*  | XP\_002878679  | 4,87E-10 |
| ARBRI-9\_T7\_D02 | acyl carrier protein | *Arachis hypogaea* | ACZ06073 | 6,40E-29 |
| ARBRI-9\_T7\_E04 | apyrase-like protein | *Olea europaea* | ABS72007 | 5,30E-67 |
| ARBRI-9\_T7\_E07 | metallopeptidase family m24 | *Vitis vinifera* | XP\_002273246 | 5,64E-46 |
| ARBRI-9\_T7\_F10 | mta sah | *Vitis vinifera* | CBI28039 | 5,47E-62 |
| ARBRI-9\_T7\_F11 | stem-specific protein | *Vitis vinifera* | CBI41052 | 9,64E-18 |
| ARBRI-9\_T7\_F12 | exostosin-like glycosyltransferase | *Ricinus communis* | XP\_002526728 | 9,38E-57 |
| ARBRI-9\_T7\_G01 | adaptin ear-binding coat-associated | *Ricinus communis* | XP\_002525119 | 3,72E-21 |
| ARBRI-9\_T7\_G08 | receptor-like protein kinase | *Glycine max* | ACM89557 | 4,08E-10 |
| ARBRI-9\_T7\_H06 | thioredoxin h | *Salvia miltiorrhiza* | ACI31202 | 7,71E-11 |
| ARBRI-10\_T7\_A06 | chitinase-like protein | *Vitis vinifera* | CBI22907 | 9,10E-43 |
| ARBRI-10\_T7\_A08 | aspartic protease precursor-like | *Solanum tuberosum* | ABB87123 | 2,13E-40 |
| ARBRI-10\_T7\_A11 | diphosphoinositol polyphosphate | *Glycine max* | ACU19981 | 2,02E-19 |
| ARBRI-10\_T7\_A12 | spermidine synthase | *Solanum lycopersicum* | AAP97136 | 5,50E-30 |
| ARBRI-10\_T7\_B01 | Catalase | *Prunus persica* | CAB56850 | 5,94E-61 |
| ARBRI-10\_T7\_B05 | Peroxidise | *Populus trichocarpa* | XP\_002322726 | 7,36E-66 |
| ARBRI-10\_T7\_B11 | chitinase A | *Ananas comosu* | BAG38685 | 8,18E-53 |
| ARBRI-10\_T7\_C03 | Protein HVA22, putative | *Ricinus communis* | XP\_002511560 | 8,90E-68 |
| ARBRI-10\_T7\_C06 | 14 kda proline-rich protein | *Vitis vinifera* | XP\_002270839 | 4,04E-14 |
| ARBRI-10\_T7\_C08 | translation factor | *Oryza sativa Japonica* | EEE67305 | 6,01E-8 |
| ARBRI-10\_T7\_D01 | ap2 domain class transcription factor | *Nicotiana tabacum* | AAP40022 | 1,21E-35 |
| ARBRI-10\_T7\_D02 | LEA\_3 | *Arabidopsis thaliana* | AAC19273.1 | 1,51E-19 |
| ARBRI-10\_T7\_D06 | tubulin-specific chaperone a | *Ricinus communis* | XP\_002523979 | 1,09E-6 |
| ARBRI-10\_T7\_E01 | plasma membrane intrinsic protein | *Olea europaea* | ABB13430 | 1,59E-48 |
| ARBRI-10\_T7\_E11 | serine threonine-protein kinase | *Vitis vinifera* | CBI40719 | 8,07E-32 |
| ARBRI-10\_T7\_E12 | stachyose synthase | *Vitis vinifera* | XP\_002275829 | 2,15E-47 |
| ARBRI-10\_T7\_F01 | aldo keto reductase family protein | *Arabidopsis thaliana* | 3H7U\_A | 3,47E-35 |
| ARBRI-10\_T7\_F05 | choline kinase 2p-like protein | *Ricinus communis* | XP\_002524355 | 1,99E-22 |
| ARBRI-10\_T7\_F06 | ran-binding protein 1  | *Populus trichocarpa* | XP\_002299634 | 3,28E-33 |
| ARBRI-10\_T7\_F09 | malate dehydrogenase (nadp+) | *Vitis vinifera* | CBI20568 | 1,69E-110 |
| ARBRI-10\_T7\_F12 | aldehyde dehydrogenase | *Populus trichocarpa* | XP\_002318034 | 6,86E-64 |
| ARBRI-10\_T7\_G05 | pyruvate dehydrogenase | *Citrus x paradisi* | AAY86036 | 1,64E-24 |
| ARBRI-10\_T7\_H01 | serine threonine kinase | *Vitis vinifera* | CBI37539 | 4,38E-22 |
| ARBRI-10\_T7\_H04 | leucine-rich, serine-threonine kinase  | *Ricinus communis* | XP\_002530200 | 1,31E-34 |
| ARBRI-10\_T7\_H12 | stem-specific protein | *Ricinus communis* | XP\_002519037 | 6,74E-15 |