**S1 Table.** List of the genes differentially expressed on microarray according to Allario et al. (2013).

|  |  |  |  |
| --- | --- | --- | --- |
| V/2xRL | | V/4xRL | |
| Acession number | Fold change | Acession number | Fold change |
| KN0AAK3DD11 | 5.777535692 | C34209G11 | 4.333374704 |
| KN0AAA1BE09 | 5.709301424 | IC0AAA56DE05 | 4.296057649 |
| C05072A04 | 4.649901589 | IC0AAA19BG10 | 3.700710974 |
| KN0AAK3DG06 | 4.610367202 | IC0AAA21BB04 | 3.393256713 |
| C08028G03 | 4.424571925 | IC0AAA81CB07 | 3.314175923 |
| C31402D06 | 4.2936696 | KN0AAL1BB02 | 3.289253398 |
| C32202H07 | 4.191467004 | IC0AAA76CE03 | 3.28555915 |
| C04031B09 | 4.169873398 | C02020F07 | 3.281588103 |
| C34209G11 | 4.101119134 | C31208B12 | 3.252171377 |
| IC0AAA7DG09 | 3.970601637 | KN0AAP8YC14 | 3.149503087 |
| C06021A07 | 3.931382342 | IC0AAA23DD03 | 3.074588283 |
| IC0AAA48CD07 | 3.906270524 | C08007C09 | 3.046696616 |
| IC0AAA36AA04 | 3.795611376 | C31207G02 | 3.003166021 |
| KN0AAP4YC19 | 3.783601392 | KN0AAI2AH02 | 2.909501555 |
| C08002A07 | 3.781613294 | IC0AAA50DC09 | 2.745181369 |
| KN0AAQ1YC10 | 3.628696207 | C02007D09 | 2.721624802 |
| C34100C05 | 3.626953937 | IC0AAA31CB09 | 2.717408446 |
| C18006C10 | 3.565379776 | IC0AAA84AD04 | 2.714864084 |
| C18011D06 | 3.545948664 | IC0AAA45CC03 | 2.700228702 |
| C02025A10 | 3.508847995 | IC0AAA96AD04 | 2.634985873 |
| C02020F07 | 3.455450367 | C31709B05 | 2.609974395 |
| IC0AAA61BA08 | 3.350466091 | IC0AAA35CC06 | 2.603230849 |
| C18024B08 | 3.192406823 | KN0AAP1YH19 | 2.598276069 |
| C18010F11 | 3.157386954 | KN0AAQ13YE06 | 2.590892714 |
| IC0AAA5BH04 | 3.143779606 | IC0AAA21CF06 | 2.589179302 |
| IC0AAA31AE07 | 3.133368724 | IC0AAA32DG02 | 2.573998022 |
| IC0AAA37DG08 | 3.079041089 | C31402D06 | 2.539701012 |
| IC0AAA72CE04 | 3.077036311 | C04033H06 | 2.510866344 |
| C16012D07 | 3.072599645 | C08004G06 | 2.466118094 |
| C08028B07 | 3.051540023 | C18021G04 | 2.462610462 |
| C31803F06 | 3.036712321 | IC0AAA46BF09 | 2.448814037 |
| C31207C12 | 3.019285594 | C05811A03 | 2.435311259 |
| IC0AAA18CA12 | 2.993128839 | IC0AAA80AB06 | 2.425701155 |
| C04033H06 | 2.989839242 | C31502C10 | 2.397918235 |
| KN0AAB2CF11 | 2.959999109 | IC0AAA64BB03# | 2.396076704 |
| C34103C02 | 2.958503364 | IC0AAA7AF08 | 2.368960184 |
| C31203F11 | 2.890734845 | KN0AAH2CC01 | 2.354655792 |
| C31401E04 | 2.853686893 | C21007C11 | 2.32142317 |
| IC0AAA51AH01 | 2.841206408 | C05074G08 | 2.295074099 |
| C04011E09 | 2.818760718 | C06054B04 | 2.288039574 |
| C31208B12 | 2.817429216 | C08008H01 | 2.277274711 |
| C08026F02 | 2.806284893 | C04011E09 | 2.2395128 |
| IC0AAA8DA03 | 2.801181976 | IC0AAA85BA11 | 2.23352646 |
| C08007C09 | 2.774727154 | KN0AAQ1YO02 | 2.19814522 |
| IC0AAA70DA07 | 2.72673466 | C34103C02 | 2.153229143 |
| IC0AAA90AA03 | 2.726722273 | C34100C05 | 2.14541334 |
| C08008H06 | 2.701248129 | C31401E04 | 2.10901857 |
| IC0AAA31AA01 | 2.694259083 | C31203F11 | 2.06568669 |
| C32103H04 | 2.690255575 | IC0AAA8DA03 | 2.018425106 |
| C18021G04 | 2.670931271 | C02019G12 | 2.001364625 |
| C31106H08 | 2.648322562 | C18010F11 | 1.949279655 |
| IC0AAA12CF11 | 2.639024355 | C31207C07 | 1.939119557 |
| C08008H01 | 2.636553239 | C06017C03 | 1.934041071 |
| C31502C10 | 2.623102541 | KN0AAP5YB07 | 1.929490023 |
| IC0AAA11CB09 | 2.578961131 | KN0AAK2AE05 | 1.919453976 |
| C16016C04 | 2.577339009 | C31207D09 | 1.869014473 |
| C31207C07 | 2.56794416 | C16016C04 | 1.861065841 |
| C04029G04 | 2.556889445 | C31302B05 | 1.843278389 |
| IC0AAA86BB07 | 2.553763203 | C05075C09 | 1.826184129 |
| C08009G11 | 2.548786916 | C08036D01 | 1.801485629 |
| C31707G09 | 2.541312912 | C31106H08 | 1.762866562 |
| IC0AAA37DF09 | 2.532616237 | C04035E05 | 1.731330377 |
| C05073D01 | 2.514670452 | C05072D08 | 1.714570935 |
| C31208A08 | 2.509371003 | C34107H12 | 1.712505395 |
| C31106H02 | 2.50857068 | IC0AAA37DF09 | 1.711961887 |
| C31104C09 | 2.496940069 | C31104C09 | 1.708864788 |
| C08020F09 | 2.475836013 | C01020E02 | 1.690181945 |
| C05134C10 | 2.462511092 | C08011D05 | 1.674806926 |
| C31302B05 | 2.436204577 | C05136D03 | 1.648196658 |
| C05136D03 | 2.405478426 | IC0AAA90AC08 | 1.641980805 |
| C05808D08 | 2.393920683 | C04018D09 | 1.64126445 |
| KN0AAK2AE05 | 2.390819153 | C18019E01 | 1.630099197 |
| C05074C01 | 2.355939 | C31809D05 | 1.628645324 |
| KN0AAA1BG12 | 2.35421035 | C19004B01 | 1.618027295 |
| C31207D09 | 2.349614065 | C20003E08 | 1.617048199 |
| C04035E05 | 2.347141638 | C31707G09 | 1.61510477 |
| C04022A03 | 2.343429177 | C34004H11 | 1.6139711 |
| IC0AAA87DB03 | 2.327619388 | C04034C07 | 1.588317223 |
| KN0AAP5YB07 | 2.324937007 | C34209H07 | 1.559105484 |
| KN0AAK3BH12 | 2.313571469 | IC0AAA46AH09 | 1.544374781 |
| C08011D05 | 2.302541455 | C04013E10 | 1.543872784 |
| C32101G06 | 2.260460252 | C31106H02 | 1.538220369 |
| C31405G02 | 2.259909364 | C08029D05 | 1.500833884 |
| IC0AAA73CD10 | 2.24341642 | C31505C05 | 1.490039499 |
| IC0AAA47DF04 | 2.237300282 | C31003D02 | 1.48111576 |
| C08025G10 | 2.217314923 | C08035F07 | 1.471356806 |
| KN0AAP13YE12 | 2.216593599 | C18012F09 | 1.469887526 |
| C05075C11 | 2.208583796 | C08025G10 | 1.464007722 |
| C31703A05 | 2.204190521 | C21008D05 | 1.459890922 |
| C08017C08 | 2.202076582 | C01019C09 | 1.458174557 |
| KN0AAI1BD07 | 2.19512765 | C34209G03 | 1.428113922 |
| C18019D04 | 2.189300582 | C01019G09 | 1.427935393 |
| KN0AAB2DC06 | 2.182299948 | C05068E04 | 1.385612644 |
| C08032C08 | 2.173347604 | C32104G12 | 1.360788515 |
| C08035F07 | 2.161393749 | C31207D04 | 1.357684719 |
| C08007D08 | 2.158616667 | C31009D05 | 1.355282593 |
| C02019G12 | 2.146099714 | C31801G10 | 1.352942663 |
| C19004B01 | 2.145283221 | C34204F12 | 1.339534494 |
| IC0AAA39DF01 | 2.139457949 | C32102B08 | 1.336532081 |
| C34107H12 | 2.138360304 | IC0AAA63AB05 | 1.335365896 |
| C08036D01 | 2.128728739 | C31405G02 | 1.322644737 |
| C31803F10 | 2.101932267 | C32010D05 | 1.316731835 |
| C18023G08 | 2.098778932 | C31303B12 | 1.304815823 |
| IC0AAA35AF06 | 2.074678015 | C06003B11 | 1.30406897 |
| IC0AAA47CF07 | 2.072075419 | C19002C12 | 1.30078245 |
| C05133B12 | 2.069795302 | C18015E08 | 1.299008668 |
| KN0AAK2BB02 | 2.053789226 | C31808C01 | 1.283698212 |
| C04027H07 | 2.052289788 | C08036F01 | 1.27640629 |
| C18009G09 | 2.049528515 | C04027H07 | 1.264472016 |
| C04018D09 | 2.047480516 | C01019H06 | 1.255096834 |
| C31809D05 | 2.042076797 | C34206B03 | 1.24728577 |
| C21008D05 | 2.01030444 | KN0AAL2BB04 | 1.233353468 |
| C02008E07 | 1.990267733 | C31404H08 | 1.230317696 |
| C18012F09 | 1.976974611 | C18005E03 | 1.227800784 |
| C18019E01 | 1.971093933 | C04035A10 | 1.200742113 |
| IC0AAA46AH09 | 1.969981558 | C34208B09 | 1.189776463 |
| C18015E08 | 1.965042566 | C05076C10 | 1.189195426 |
| C01020E02 | 1.945585819 | C05065G09 | 1.182705805 |
| IC0AAA73AF05 | 1.938536928 | C34201F01 | 1.178760037 |
| C32102B08 | 1.928251214 | C32007C03 | 1.174753203 |
| C34106B01 | 1.925466774 | C31404A06 | 1.173216772 |
| C19004G08 | 1.915876107 | C34001F11 | 1.166164969 |
| KN0AAA1BA02 | 1.914054561 | C02026C02 | 1.161059952 |
| IC0AAA4AB03 | 1.911602785 | C34008C07 | 1.153261493 |
| C08029A02 | 1.893868647 | KN0AAK1DA01 | 1.15194129 |
| KN0AAP3YA21 | 1.893806786 | C31303B02 | 1.143438624 |
| C31808C01 | 1.878668134 | C16015G06 | 1.136977685 |
| KN0AAH3DD09 | 1.874727705 | C31204C05 | 1.11102928 |
| C34206B03 | 1.872996781 | C18015E04 | 1.108153156 |
| C06006A01 | 1.869344624 | C03001E10 | 1.096499984 |
| C04034D08 | 1.86323963 | C31808C07 | 1.090941967 |
| KN0AAA2BE02 | 1.854647861 | C32013G05 | 1.088531187 |
| C34007D01 | 1.845399916 | C08035G08 | 1.051198021 |
| C32201G02 | 1.845048182 | C19004G08 | 1.040875316 |
| C05068E04 | 1.837669749 | C31803F07 | 1.039153172 |
| C04035B07 | 1.831618326 | C04004C09 | 1.038660589 |
| C31303B12 | 1.813921198 | C32108D01 | 1.038364409 |
| C02026C02 | 1.800166462 | C04010B11 | 1.014988472 |
| C34004H11 | 1.790546653 | C16014H07 | 0.981100314 |
| C05075C09 | 1.777941144 | C31304D11 | 0.979735769 |
| C04035A10 | 1.775086196 | C02008D05 | 0.962160585 |
| C34208B04 | 1.770529451 | C31804G04 | 0.938447283 |
| IC0AAA10DH07 | 1.748033057 | C32005F03 | 0.928189584 |
| C06053H11 | 1.73113785 | C34202D11 | 0.927363717 |
| KN0AAK1DA01 | 1.716146439 | C34006A02 | 0.924641273 |
| C31003D02 | 1.715766539 | C34107H03 | 0.910675634 |
| IC0AAA79AE11 | 1.708260304 | C31206F10 | -0.84566981 |
| C05075H02 | 1.685423691 | C31701H09 | -0.88223301 |
| C19002C12 | 1.678733905 | C04017G03 | -0.88829233 |
| C06017C03 | 1.664274112 | C31403H07 | -0.90018124 |
| C18023B02 | 1.657556154 | C31708F05 | -0.90084702 |
| C08038G07 | 1.657006276 | IC0AAA5CD09 | -0.91622434 |
| C34204F12 | 1.656684488 | C05811B09 | -0.92432406 |
| C06003B11 | 1.645593712 | C31810G06 | -0.93226581 |
| C18012E09 | 1.636825235 | C31806H11 | -0.933895 |
| C31404H08 | 1.629088363 | C32001B06 | -0.94512231 |
| C08035B03 | 1.621045984 | C05070G03 | -0.96096575 |
| C02008D05 | 1.611284146 | C01018F10 | -0.96210664 |
| C18005E03 | 1.609397013 | IC0AAA24CB11 | -0.96273524 |
| C31204C05 | 1.602278107 | C32006C06 | -0.96424771 |
| KN0AAL2BB04 | 1.600962894 | C05076F06 | -0.97517654 |
| C08024A12 | 1.593454569 | C31404C01 | -0.98534504 |
| C34010E01 | 1.584697143 | C07010G07 | -0.99865341 |
| IC0AAA63AB05 | 1.579826788 | C31808C11 | -1.01949518 |
| C31403D05 | 1.566463068 | C16013C03 | -1.02245017 |
| C05065G09 | 1.548257316 | C31304H04 | -1.02778723 |
| C34205C03 | 1.527223752 | C31602F10 | -1.02847213 |
| C31404A06 | 1.52175456 | KN0AAP5YN15 | -1.03659989 |
| C31802D05 | 1.520358001 | C06001A06 | -1.04345302 |
| C34009B07 | 1.51674917 | C02013F09 | -1.05539484 |
| C34207F06 | 1.516471128 | C31305H08 | -1.06869137 |
| C21001B11 | 1.509981814 | C05056D02 | -1.09276096 |
| C31009D05 | 1.506302697 | C02015C07 | -1.10498668 |
| C01019G09 | 1.50119757 | C07007D04 | -1.11994184 |
| C34208D10 | 1.486855021 | C07002C08 | -1.12400975 |
| IC0AAA15AB03 | 1.481937551 | C34010E02 | -1.1398451 |
| C34101A03 | 1.478331745 | C02014F10 | -1.14529734 |
| IC0AAA40AC01 | 1.47774484 | C01017C12 | -1.14629511 |
| C05076C10 | 1.44583948 | C31505H05 | -1.15138289 |
| C34201F01 | 1.444933861 | C31601A01 | -1.16076872 |
| C18015E04 | 1.441038529 | C05056H01 | -1.1748131 |
| C05072D08 | 1.434818674 | C05802F08 | -1.17565929 |
| C34207A01 | 1.432937465 | C04004H06 | -1.1897175 |
| C32108D01 | 1.428113574 | C31701A02 | -1.19399655 |
| C08036F01 | 1.424699414 | C01012D05 | -1.21192395 |
| IC0AAA40BG02 | 1.422301496 | C02002F03 | -1.21248907 |
| C04034B12 | 1.421593926 | C02013F01 | -1.23522043 |
| C18015E06 | 1.416610614 | C08020F03 | -1.24150137 |
| C18004C08 | 1.416111609 | C31601H11 | -1.26153622 |
| C34101H12 | 1.413257904 | C32004E07 | -1.26322361 |
| C04035A03 | 1.405898513 | C08036C12 | -1.27820742 |
| C18004B12 | 1.404527139 | C07008E05 | -1.34152912 |
| C31802G03 | 1.39602207 | C01003C11 | -1.34618117 |
| C08002C09 | 1.391418248 | C32009A07 | -1.35364386 |
| C16015A09 | 1.384207432 | C31303E07 | -1.36696161 |
| C08035D05 | 1.380443395 | C04034B03 | -1.38563431 |
| C34107H03 | 1.377208653 | C31405H04 | -1.39964593 |
| IC0AAA71CG11 | 1.376835424 | C07003C08 | -1.40195269 |
| C06018C11 | 1.375266223 | KN0AAA3CC07 | -1.41386178 |
| C31403B04 | 1.372640198 | C04004H06 | -1.41404049 |
| C31005C03 | 1.370411519 | C05071C02 | -1.41972879 |
| C04013E10 | 1.366343123 | C31802C04 | -1.42170457 |
| C04030G01 | 1.365915918 | KN0AAI1CA01 | -1.4221028 |
| C04034C07 | 1.364131291 | C01013F06 | -1.43154103 |
| C18004A04 | 1.363076345 | C05068G03 | -1.45916001 |
| C31805F10 | 1.36241307 | KN0AAA3AE04 | -1.49167013 |
| C31001E09 | 1.360546601 | C02017H03 | -1.49847306 |
| C05065E02 | 1.360172865 | C31502D02 | -1.51386796 |
| C31705F01 | 1.358295657 | C16000A10 | -1.53750301 |
| C31803F07 | 1.358212419 | C04004H06 | -1.53875084 |
| C08029D05 | 1.356438489 | C18007F05 | -1.54379284 |
| C34209H07 | 1.353866722 | C04004H06 | -1.55220418 |
| C34007H07 | 1.343925615 | C04004H06 | -1.5573227 |
| C34103F12 | 1.337635233 | KN0AAI3BD03 | -1.56896979 |
| C01019H06 | 1.331548052 | C02023C12 | -1.5757758 |
| C31403A03 | 1.314517889 | KN0AAQ6YP16 | -1.57626931 |
| C18017H11 | 1.313812027 | C04004H06 | -1.58653155 |
| C08001H09 | 1.31099411 | C31802F07 | -1.60880993 |
| C16015G06 | 1.307701362 | KN0AAI2DE02 | -1.63957051 |
| KN0AAH2DF06 | 1.307040343 | C31402E11 | -1.65765422 |
| C31804G04 | 1.304047461 | C04023E07 | -1.66307572 |
| C01014E05 | 1.302728095 | C04004H06 | -1.67083761 |
| C32104G12 | 1.302395367 | C31703E12 | -1.67467987 |
| C02026E07 | 1.299649683 | C05057G09 | -1.69165612 |
| C31100B11 | 1.293935863 | C04004H06 | -1.70520358 |
| C02021B05 | 1.286925786 | C04004H06 | -1.73477101 |
| C08007E09 | 1.286128368 | C04004H06 | -1.74634753 |
| C31304D11 | 1.283782128 | C04004H06 | -1.75190713 |
| C02011H08 | 1.280939406 | C04004H06 | -1.77277302 |
| C31502C07 | 1.27930736 | C04004H06 | -1.79786746 |
| C05811H10 | 1.27741146 | C32011E02 | -1.79891123 |
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| C04013A11 | 1.266528747 | C31008F07 | -1.8596796 |
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| C32007C03 | 1.265546874 | C31302A07 | -1.90417057 |
| C34109E03 | 1.264517949 | C05057H10 | -1.90744212 |
| C34202D11 | 1.26443834 | C05069E05 | -1.91698191 |
| C20002A04 | 1.259394271 | C08032B07 | -1.92288154 |
| C34009E01 | 1.258701559 | C01015D11 | -1.93903649 |
| C05141F05 | 1.252652436 | C06019F11 | -1.94688426 |
| C07010E12 | 1.252310048 | C01008H04 | -1.96766332 |
| C34207E09 | 1.249840197 | C04004H06 | -1.97498012 |
| C01011B08 | 1.248531834 | IC0AAA20AC04 | -2.05810904 |
| C04035H04 | 1.247685318 | C04004H06 | -2.06105984 |
| C34107C11 | 1.247280935 | C31504C12 | -2.07795083 |
| C07008C05 | 1.245963723 | C05057A11 | -2.07938632 |
| C04006B06 | 1.242759408 | C08018D04 | -2.09858444 |
| C31707B03 | 1.240231154 | C34100H01 | -2.11184628 |
| C31003F02 | 1.236499733 | C34002G02 | -2.12858665 |
| C16015A05 | 1.235279788 | KN0AAB1DE04 | -2.17450902 |
| C18004H09 | 1.230458949 | C08001H08 | -2.1877296 |
| C31103D11 | 1.228973991 | C1 (cal1) | -2.19684499 |
| KN0AAP8YN01 | 1.22170778 | C08011G05 | -2.20081081 |
| C18021C03 | 1.220957327 | C19003H10 | -2.25751516 |
| C34110F10 | 1.21696111 | C18023H12 | -2.2815494 |
| C05075C10 | 1.2091017 | C02019E04 | -2.28278004 |
| KN0AAP9YM02 | 1.208798572 | IC0AAA56CC11 | -2.28305927 |
| C08011B05 | 1.202240431 | C02023H07 | -2.28813384 |
| C06014D04 | 1.201449765 | IC0AAA20CG05 | -2.29634028 |
| C34010E08 | 1.194969751 | KN0AAA1AE07 | -2.33161644 |
| C01012E09 | 1.194846926 | C31102C12 | -2.34278841 |
| IC0AAA43DA02 | 1.193224423 | C08015C05 | -2.37094088 |
| IC0AAA67CC07 | 1.190737122 | KN0AAP7YM03 | -2.37111423 |
| C08018F03 | 1.190406114 | C21008F12 | -2.37681985 |
| C03001E10 | 1.189684851 | IC0AAA20BG12% | -2.41123542 |
| C31204B02 | 1.182821171 | IC0AAA39AF07 | -2.41215509 |
| C02019C10 | 1.182634646 | C31604E05 | -2.41574224 |
| C04006E11 | 1.173221893 | C18009E10 | -2.42680602 |
| IC0AAA1CB06 | 1.171046928 | C34109B02 | -2.4481519 |
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| IC0AAA17DE06 | 1.170749201 | C21004G03 | -2.45628557 |
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