

GeneMANIA report

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Networks

- Physical Interactions
- Predicted
- Co-expression
- Shared protein domains
- Genetic Interactions
- Co-localization

Functions

N/A

Search parameters

Organism Arabidopsis thaliana (arabidopsis)

Genes FUS3

Network weighting Automatically selected weighting method

Networks 2

2011

A

Altmann-Falter-Braun-2020 , Arae-Chiba-2017

B

Bassel-Cutler-2008-Dormant Seed Expression , Bassel-Cutler-2008-Germinating Seed Expression , BIOGRID-SMALL-SCALE-STUDIES , BIOGRID-SMALL-SCALE-STUDIES , Boruc-Russinova-2010 A , Boruc-Russinova-2010 B , Brady-Benfey-2007 , Bustos-Paz-Ares-2010

C

Carianopol-Gazzarrini-2020 , Causier-Davies-2012 , Ceserani-Nelson-2009 , Chang-Bailey-Serres-2012 , Chen-Rhee-2012 , Cutcliffe-Rashotte-2011

D

Danisman-Immink-2013 , de Folter-Angenent-2005 , Deeken-Hedrich-2006 A , Dinneny-Benfey-2008 D , Dinneny-Benfey-2008 F , Dortay-Heyl-2008 , Dreze-Vidal-2011-combined , Dreze-Vidal-2011-main , Dreze-Vidal-2011-repeat

E

Efroni-Wagner-2013 , Elrouby-Coupland-2010

F

Fujiwara-Fukao-2014

G

Gifford-Birnbaum-2008 , Goda-Shimada-2008 A

H

Hackbusch-Uhrig-2005 , Hackenberg-Grimm-2012

I

Igawa-Yanagawa-2009 , INTERPRO , IREF-bar , IREF-bind , IREF-bind-translation , IREF-biogrid , IREF-dip , IREF-intact , IREF-intcomplex , IREF-mint , IREF-quickgo , IREF-SMALL-SCALE-STUDIES , IREF-uniprotpp

J

Jones-Frommer-2014

K

Kim-Vierstra-2013 , Klopffleisch-Jones-2011 , Kram-Carter-2009 , Kuroda-Matsui-2012

L

Lalonde-Frommer-2010 , Lee-Rhee-2010 AraNet , Lee-Rhee-2010 Co-citation worm2arabidopsis , Lee-Rhee-2010 Co-citation yeast2arabidopsis , Lee-Rhee-2010 co-expression human2arabidopsis , Lee-Rhee-2010 Co-expression worm2arabidopsis , Lee-Rhee-2010 Co-expression yeast2arabidopsis , Lee-Rhee-2010 Co-inheritance , Lee-Rhee-2010 Gene neighbourhoods , Lee-Rhee-2010 Genetic interactions worm2arabidopsis , Lee-Rhee-2010 Genetic interactions yeast2arabidopsis , Lee-Rhee-2010 Protein complexes human2arabidopsis , Lee-Rhee-2010 Protein complexes yeast2arabidopsis , Lee-Rhee-2010 Protein interactions , Lee-Rhee-2010 Protein interactions fly2arabidopsis , Lee-Rhee-2010 protein interactions from complexes yeast2arabidopsis , Lee-Rhee-2010 Protein interactions human2arabidopsis , Lee-Rhee-2010 Protein interactions worm2arabidopsis , Lee-Rhee-2010 protein interactions yeast2arabidopsis , Lee-Rhee-2010 Shared protein domains , Lee-Rhee-2010 shared protein domains human2arabidopsis , Lee-Rhee-2010 shared protein domains yeast2arabidopsis , Lee-Rhee-2010 Y2H human2arabidopsis , Lee-Rhee-2010 Y2H worm2arabidopsis , Lee-Rhee-2010 Y2H yeast2arabidopsis , Lumba-McCourt-2014

M

Manzano-Del Pozo-2008 , Mott-Belkhadir-2019 , Mukhtar-Dangl-2011 , Mustroph-Bailey-Serres-2009 B , Mustroph-Bailey-Serres-2009 C

P

Pandey-Albert-2010 , PFAM , Piya-Hewezi-2014 , Popescu-Dinesh-Kumar-2007 , Popescu-Dinesh-Kumar-2009 , PPI-Predicted (Interologs)

Q

Queval-Noctor-2012

R

Risseeuw-Crosby-2003 , Ronemus-Martienssen-2006

S

Sako-Yamaguchi-2014 , Schmid-Lohmann-2003 B , Schuler-Bauer-2011 , Smakowska-Luzan-Belkhadir-2018 , Swatek-Thelen-2011

T

Tamura-Hara-Nishimura-2010 , Tintor-Saijo-2013 , Trigg-Ecker-2017

V

Van Leene-De Jaeger-2010 , Van Leene-De Jaeger-2019 , Vernoux-Traas-2011

W

W

Waidmann-Jonak-2014

Y

Yamaoka-Hara-Nishimura-2013

Z

Zhang-Fernie-2018 , Zuber-Gallardo-2010 A

Genes

| Gene | Description | Rank |
|-----------|--|------|
| FUS3 | B3 domain-containing transcription factor FUS3 [Source:UniProtKB/Swiss-Prot;Acc:Q9LW31] | N/A |
| ET2 | ET2 [Source:UniProtKB/TrEMBL;Acc:A0A178URY3] | 1 |
| AT3G25730 | AP2/ERF and B3 domain-containing transcription factor ARF14 [Source:UniProtKB/Swiss-Prot;Acc:Q9LS06] | 2 |
| TEM1 | AP2/ERF and B3 domain-containing transcription repressor TEM1 [Source:UniProtKB/Swiss-Prot;Acc:Q9C6M5] | 3 |
| RAV1 | AP2/ERF and B3 domain-containing transcription factor RAV1 [Source:UniProtKB/Swiss-Prot;Acc:Q9ZWM9] | 4 |
| VAL2 | B3 domain-containing transcription repressor VAL2 [Source:UniProtKB/Swiss-Prot;Acc:Q5CCK4] | 5 |
| VAL1 | B3 domain-containing transcription repressor VAL1 [Source:UniProtKB/Swiss-Prot;Acc:Q8W4L5] | 6 |
| AT4G33280 | AP2/B3-like transcriptional factor family protein [Source:TAIR;Acc:AT4G33280] | 7 |
| ARF17 | auxin response factor 17 [Source:TAIR;Acc:AT1G77850] | 8 |
| AT2G33860 | Auxin response factor 3 [Source:UniProtKB/Swiss-Prot;Acc:O23661] | 9 |
| AT1G50680 | AP2/ERF and B3 domain-containing transcription factor At1g50680 [Source:UniProtKB/Swiss-Prot;Acc:Q9C6P5] | 10 |
| AT5G60130 | B3 domain-containing protein At5g60130 [Source:UniProtKB/Swiss-Prot;Acc:Q9LVG1] | 11 |
| AT1G51120 | AP2/ERF and B3 domain-containing transcription factor At1g51120 [Source:UniProtKB/Swiss-Prot;Acc:Q9C688] | 12 |
| REM4 | Putative B3 domain-containing protein REM4 [Source:UniProtKB/Swiss-Prot;Acc:Q9SB79] | 13 |
| ARF10 | Auxin response factor (Fragment) [Source:UniProtKB/TrEMBL;Acc:C0SV66] | 14 |
| AT3G06160 | AP2/B3-like transcriptional factor family protein [Source:UniProtKB/TrEMBL;Acc:F4J9Q0] | 15 |
| AT5G57720 | B3 domain-containing protein At5g57720 [Source:UniProtKB/Swiss-Prot;Acc:Q9FHH1] | 16 |
| AT5G25470 | B3 domain-containing protein At5g25470 [Source:UniProtKB/Swiss-Prot;Acc:Q1PDT6] | 17 |
| AT3G28853 | Putative B3 domain-containing protein At3g28853 [Source:UniProtKB/ | 18 |

| Gene | Description | Rank |
|-----------|--|------|
| | Swiss-Prot;Acc:Q9LH88] | |
| AT4G01580 | B3 domain-containing protein At4g01580 [Source:UniProtKB/Swiss-Prot; Acc:Q9ZSH7] | 19 |
| VDD | B3 domain-containing protein At5g18000 [Source:UniProtKB/Swiss-Prot; Acc:Q9FJG2] | 20 |

Networks

| | |
|---|--------|
| Physical Interactions | 52.06% |
| Danisman-Immink-2013 | 9.90% |
| Analysis of functional redundancies within the Arabidopsis TCP transcription factor family. Danisman et al (2013). <i>J Exp Bot</i> Physical Interactions with 94 interactions from iRefIndex | |
| IREF-intcomplex | 6.27% |
| Physical Interactions with 6 interactions from iRefIndex | |
| Boruc-Russinova-2010 A | 6.16% |
| Functional modules in the Arabidopsis core cell cycle binary protein-protein interaction network. Boruc et al (2010). <i>Plant Cell</i> Physical Interactions with 69 interactions from BioGRID | |
| Causier-Davies-2012 | 3.88% |
| The TOPLESS interactome: a framework for gene repression in Arabidopsis. Causier et al (2012). <i>Plant Physiol</i> Physical Interactions with 110 interactions from BioGRID | |
| Sako-Yamaguchi-2014 | 2.59% |
| Proteomic analysis of the 26S proteasome reveals its direct interaction with transit peptides of plastid protein precursors for their degradation. Sako et al (2014). <i>J Proteome Res</i> Physical Interactions with 189 interactions from BioGRID | |
| IREF-dip | 2.15% |
| Physical Interactions with 357 interactions from iRefIndex | |
| Popescu-Dinesh-Kumar-2009 | 1.78% |
| MAPK target networks in Arabidopsis thaliana revealed using functional protein microarrays. Popescu et al (2009). <i>Genes Dev</i> Physical Interactions with 1,111 interactions from BioGRID | |
| IREF-bind-translation | 1.65% |
| Physical Interactions with 678 interactions from iRefIndex | |
| IREF-quickgo | 1.63% |
| Physical Interactions with 1,510 interactions from iRefIndex | |
| Boruc-Russinova-2010 B | 1.53% |
| Functional modules in the Arabidopsis core cell cycle binary protein-protein interaction network. Boruc et al (2010). <i>Plant Cell</i> Physical Interactions with 29 interactions from BioGRID | |
| Fujiwara-Fukao-2014 | 1.38% |
| Interactomics of Qa-SNARE in Arabidopsis thaliana. Fujiwara et al (2014). <i>Plant Cell Physiol</i> Physical Interactions with 456 interactions from iRefIndex | |
| Van Leene-De Jaeger-2010 | 1.29% |
| Targeted interactomics reveals a complex core cell cycle machinery in Arabidopsis thaliana. Van Leene et al (2010). <i>Mol Syst Biol</i> Physical Interactions with 507 interactions from BioGRID | |
| Lumba-McCourt-2014 | 1.21% |
| A mesoscale abscisic acid hormone interactome reveals a dynamic signaling landscape in Arabidopsis. Lumba et al (2014). <i>Dev Cell</i> | |

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| Physical Interactions | 52.06% |
| Lumba-McCourt-2014 | |
| Physical Interactions with 379 interactions from BioGRID | |
| IREF-SMALL-SCALE-STUDIES | 1.10% |
| Physical Interactions with 7,477 interactions from iRefIndex | |
| IREF-uniprotpp | 1.04% |
| Physical Interactions with 106 interactions from iRefIndex | |
| Kuroda-Matsui-2012 | 1.03% |
| A comprehensive analysis of interaction and localization of Arabidopsis SKP1-like (ASK) and F-box (FBX) proteins. Kuroda et al (2012). <i>PLoS One</i> | |
| Physical Interactions with 130 interactions from BioGRID | |
| IREF-mint | 1.01% |
| Physical Interactions with 135 interactions from iRefIndex | |
| BIOGRID-SMALL-SCALE-STUDIES | 1.01% |
| Physical Interactions with 5,948 interactions from BioGRID | |
| Lee-Rhee-2010 Protein interactions | 0.97% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Physical Interactions with 746 interactions from supplementary material | |
| Van Leene-De Jaeger-2019 | 0.90% |
| Capturing the phosphorylation and protein interaction landscape of the plant TOR kinase. Van Leene et al (2019). <i>Nat Plants</i> | |
| Physical Interactions with 181 interactions from BioGRID | |
| IREF-bind | 0.74% |
| Physical Interactions with 670 interactions from iRefIndex | |
| Altmann-Falter-Braun-2020 | 0.54% |
| Extensive signal integration by the phytohormone protein network. Altmann et al (2020). <i>Nature</i> | |
| Physical Interactions with 1,741 interactions from BioGRID | |
| Tamura-Hara-Nishimura-2010 | 0.53% |
| Identification and characterization of nuclear pore complex components in Arabidopsis thaliana. Tamura et al (2010). <i>Plant Cell</i> | |
| Physical Interactions with 474 interactions from BioGRID | |
| Carianopol-Gazzarrini-2020 | 0.49% |
| An abscisic acid-responsive protein interaction network for sucrose non-fermenting related kinase1 in abiotic stress response. Carianopol et al (2020). <i>Commun Biol</i> | |
| Physical Interactions with 164 interactions from BioGRID | |
| IREF-intact | 0.42% |
| Physical Interactions with 26,649 interactions from iRefIndex | |
| Kloppfleisch-Jones-2011 | 0.24% |
| Arabidopsis G-protein interactome reveals connections to cell wall carbohydrates and morphogenesis. Kloppfleisch et al (2011). <i>Mol Syst Biol</i> | |
| Physical Interactions with 307 interactions from BioGRID | |

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|---|---------------|
| Physical Interactions | 52.06% |
| Dreze-Vidal-2011-repeat | 0.23% |
| Evidence for network evolution in an Arabidopsis interactome map. (2011). <i>Science</i> | |
| Physical Interactions with 1,015 interactions from supplementary material | |
| Smakowska-Luzan-Belkhadir-2018 | 0.22% |
| An extracellular network of Arabidopsis leucine-rich repeat receptor kinases. Smakowska-Luzan et al (2018). <i>Nature</i> | |
| Physical Interactions with 2,514 interactions from iRefIndex | |
| Mukhtar-Dangl-2011 | 0.11% |
| Independently evolved virulence effectors converge onto hubs in a plant immune system network. Mukhtar et al (2011). <i>Science</i> | |
| Physical Interactions with 748 interactions from iRefIndex | |
| Lalonde-Frommer-2010 | 0.05% |
| A membrane protein/signaling protein interaction network for Arabidopsis version AMPv2. Lalonde et al (2010). <i>Front Physiol</i> | |
| Physical Interactions with 270 interactions from iRefIndex | |
| Predicted | 21.72% |
| Lee-Rhee-2010 Protein interactions human2arabidopsis | 3.58% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 102,757 interactions from supplementary material | |
| Lee-Rhee-2010 Co-citation worm2arabidopsis | 2.83% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 5,549 interactions from supplementary material | |
| Lee-Rhee-2010 Co-citation yeast2arabidopsis | 2.40% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 52,030 interactions from supplementary material | |
| Lee-Rhee-2010 Gene neighbourhoods | 1.95% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 94,430 interactions from supplementary material | |
| Lee-Rhee-2010 protein interactions yeast2arabidopsis | 1.64% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 25,047 interactions from supplementary material | |
| Lee-Rhee-2010 protein interactions from complexes yeast2arabidopsis | 1.53% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 10,822 interactions from supplementary material | |
| Lee-Rhee-2010 Protein complexes yeast2arabidopsis | 1.39% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 128,042 interactions from supplementary material | |

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| Predicted | 21.72% |
| Lee-Rhee-2010 Co-expression yeast2arabidopsis | 1.08% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 102,549 interactions from supplementary material | |
| Lee-Rhee-2010 Genetic interactions yeast2arabidopsis | 1.06% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 30,329 interactions from supplementary material | |
| Lee-Rhee-2010 Protein complexes human2arabidopsis | 0.86% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 2,147 interactions from supplementary material | |
| Lee-Rhee-2010 Co-expression worm2arabidopsis | 0.78% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 92,816 interactions from supplementary material | |
| Lee-Rhee-2010 Co-inheritance | 0.64% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 82,730 interactions from supplementary material | |
| PPI-Predicted (Interologs) | 0.41% |
| A predicted interactome for Arabidopsis. Geisler-Lee et al (2007). <i>Plant Physiol</i> | |
| Predicted with 18,163 interactions from collaborator | |
| Lee-Rhee-2010 AraNet | 0.39% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 734,223 interactions from supplementary material | |
| Lee-Rhee-2010 co-expression human2arabidopsis | 0.27% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 39,769 interactions from supplementary material | |
| Lee-Rhee-2010 shared protein domains yeast2arabidopsis | 0.26% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 23,986 interactions from supplementary material | |
| Lee-Rhee-2010 Y2H human2arabidopsis | 0.18% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 6,664 interactions from supplementary material | |
| Lee-Rhee-2010 Genetic interactions worm2arabidopsis | 0.17% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 1,269 interactions from supplementary material | |

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| Predicted | 21.72% |
| Lee-Rhee-2010 Protein interactions fly2arabidopsis | 0.14% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 7,953 interactions from supplementary material | |
| Lee-Rhee-2010 shared protein domains human2arabidopsis | 0.14% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 21,600 interactions from supplementary material | |
| Lee-Rhee-2010 Y2H worm2arabidopsis | 0.03% |
| Rational association of genes with traits using a genome-scale gene network for Arabidopsis thaliana. Lee et al (2010). <i>Nat Biotechnol</i> | |
| Predicted with 1,903 interactions from supplementary material | |
| Co-expression | 18.12% |
| Kram-Carter-2009 | 1.43% |
| Uncovering the Arabidopsis thaliana nectary transcriptome: investigation of differential gene expression in floral nectariferous tissues. Kram et al (2009). <i>BMC Plant Biol</i> | |
| Co-expression with 672,952 interactions from GEO | |
| Bassel-Cutler-2008-Dormant Seed Expression | 1.07% |
| Elucidating the germination transcriptional program using small molecules. Bassel et al (2008). <i>Plant Physiol</i> | |
| Co-expression with 426,202 interactions from collaborator | |
| Bassel-Cutler-2008-Germinating Seed Expression | 1.00% |
| Elucidating the germination transcriptional program using small molecules. Bassel et al (2008). <i>Plant Physiol</i> | |
| Co-expression with 420,272 interactions from collaborator | |
| Zuber-Gallardo-2010 A | 0.99% |
| The seed composition of Arabidopsis mutants for the group 3 sulfate transporters indicates a role in sulfate translocation within developing seeds. Zuber et al (2010). <i>Plant Physiol</i> | |
| Co-expression with 694,429 interactions from GEO | |
| Ronemus-Martienssen-2006 | 0.98% |
| MicroRNA-targeted and small interfering RNA-mediated mRNA degradation is regulated by argonaute, dicer, and RNA-dependent RNA polymerase in Arabidopsis. Ronemus et al (2006). <i>Plant Cell</i> | |
| Co-expression with 179,027 interactions from GEO | |
| Tintor-Saijo-2013 | 0.95% |
| Layered pattern receptor signaling via ethylene and endogenous elicitor peptides during Arabidopsis immunity to bacterial infection. Tintor et al (2013). <i>Proc Natl Acad Sci U S A</i> | |
| Co-expression with 656,153 interactions from GEO | |
| Schuler-Bauer-2011 | 0.92% |
| Transcriptome analysis by GeneTrail revealed regulation of functional categories in response to alterations of iron homeostasis in Arabidopsis thaliana. Schuler et al (2011). <i>BMC Plant Biol</i> | |
| Co-expression with 654,167 interactions from GEO | |
| Bustos-Paz-Ares-2010 | 0.92% |
| A central regulatory system largely controls transcriptional activation and repression responses to phosphate starvation in Arabidopsis. Bustos et al (2010). <i>PLoS Genet</i> | |

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| Co-expression | 18.12% |
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| Bustos-Paz-Ares-2010 | |
| Co-expression with 691,702 interactions from GEO | |
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| Schmid-Lohmann-2003 B | 0.92% |
| Dissection of floral induction pathways using global expression analysis. Schmid et al (2003). <i>Development</i> | |
| Co-expression with 137,061 interactions from GEO | |
| <hr/> | |
| Queval-Noctor-2012 | 0.91% |
| Day length is a key regulator of transcriptomic responses to both CO(2) and H(2)O(2) in Arabidopsis. Queval et al (2012). <i>Plant Cell Environ</i> | |
| Co-expression with 657,861 interactions from GEO | |
| <hr/> | |
| Gifford-Birnbaum-2008 | 0.87% |
| Cell-specific nitrogen responses mediate developmental plasticity. Gifford et al (2008). <i>Proc Natl Acad Sci U S A</i> | |
| Co-expression with 674,136 interactions from GEO | |
| <hr/> | |
| Pandey-Albert-2010 | 0.86% |
| Boolean modeling of transcriptome data reveals novel modes of heterotrimeric G-protein action. Pandey et al (2010). <i>Mol Syst Biol</i> | |
| Co-expression with 689,348 interactions from GEO | |
| <hr/> | |
| Deeken-Hedrich-2006 A | 0.83% |
| An integrated view of gene expression and solute profiles of Arabidopsis tumors: a genome-wide approach. Deeken et al (2006). <i>Plant Cell</i> | |
| Co-expression with 609,443 interactions from GEO | |
| <hr/> | |
| Chang-Bailey-Serres-2012 | 0.82% |
| Transient MPK6 activation in response to oxygen deprivation and reoxygenation is mediated by mitochondria and aids seedling survival in Arabidopsis. Chang et al (2012). <i>Plant Mol Biol</i> | |
| Co-expression with 683,527 interactions from GEO | |
| <hr/> | |
| Dinneny-Benfey-2008 D | 0.80% |
| Cell identity mediates the response of Arabidopsis roots to abiotic stress. Dinneny et al (2008). <i>Science</i> | |
| Co-expression with 707,355 interactions from GEO | |
| <hr/> | |
| Mustroph-Bailey-Serres-2009 B | 0.80% |
| Profiling translatoemes of discrete cell populations resolves altered cellular priorities during hypoxia in Arabidopsis. Mustroph et al (2009). <i>Proc Natl Acad Sci U S A</i> | |
| Co-expression with 790,223 interactions from GEO | |
| <hr/> | |
| Goda-Shimada-2008 A | 0.80% |
| The AtGenExpress hormone and chemical treatment data set: experimental design, data evaluation, model data analysis and data access. Goda et al (2008). <i>Plant J</i> | |
| Co-expression with 684,584 interactions from GEO | |
| <hr/> | |
| Arae-Chiba-2017 | 0.77% |
| Co-ordinated Regulations of mRNA Synthesis and Decay during Cold Acclimation in Arabidopsis Cells. Arae et al (2017). <i>Plant Cell Physiol</i> | |
| Co-expression with 573,695 interactions from GEO | |
| <hr/> | |
| Dinneny-Benfey-2008 F | 0.75% |
| Cell identity mediates the response of Arabidopsis roots to abiotic stress. Dinneny et al (2008). <i>Science</i> | |
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|--|--------|
| Co-expression | 18.12% |
| <hr/> | |
| Dinneny-Benfey-2008 F | |
| Co-expression with 650,698 interactions from GEO | |
| <hr/> | |
| Mustroph-Bailey-Serres-2009 C | 0.75% |
| Profiling translomes of discrete cell populations resolves altered cellular priorities during hypoxia in Arabidopsis. Mustroph et al (2009). <i>Proc Natl Acad Sci U S A</i> | |
| Co-expression with 803,119 interactions from GEO | |
| Shared protein domains | 4.90% |
| <hr/> | |
| INTERPRO | 2.76% |
| Shared protein domains with 758,071 interactions from InterPro | |
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| PFAM | 2.14% |
| Shared protein domains with 677,172 interactions from Pfam | |
| Genetic Interactions | 2.44% |
| <hr/> | |
| BIOGRID-SMALL-SCALE-STUDIES | 2.44% |
| Genetic Interactions with 225 interactions from BioGRID | |
| Co-localization | 0.76% |
| <hr/> | |
| Brady-Benfey-2007 | 0.76% |
| A high-resolution root spatiotemporal map reveals dominant expression patterns. Brady et al (2007). <i>Science</i> | |
| Co-localization with 819,905 interactions from GEO | |