g1270, g1363, g15804, g15808, g15810 - Cysteine-rich receptor like kinase (1,1,3,2,1 SNPs respectively), g33432 Cysteine-rich receptor like kinase 8 and

g5295 - glucan synthase-like 12: encodes a gene similar to callose synthase (13 SNPs):

"CRK2 Enhances Salt Tolerance by Regulating Callose Deposition in Connection with PLDα1"

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6670071/>

CRK2 enhances salt-tolerance at germination stage and demonstrtes a role for callose deposition at this stage to aid salt tolerance in A. thaliana

g235 - RNA-binding KH domain-containing protein:

One such protein was found required for stress gene expression and stress tolerance in arabidopsis, with mutants leading to impaired mRNA export

for mRNA encoding stress-tolerance required genes when under salt stress

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3798263/>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4436139/#pone.0126978.ref056>

g1209 - nitrile specifier protein 2

Involved in hydrolysis of glucosinolate https://pubmed.ncbi.nlm.nih.gov/19224919/

Glucosinolate content increased under salt stress, and may aid in saving water under salt stress <https://www.frontiersin.org/articles/10.3389/fpls.2015.00524/full>

g2635 - O-acyltransferase (WSD1-like) family protein

involved in wax ester biosynthesis <https://pubmed.ncbi.nlm.nih.gov/18621978/>

induced under salt stress in wild type, and repressed in miRNVL5-expressing arabidopsis <https://www.nature.com/articles/srep19736>

g5070 - cpn60 chaperonin family protein

Targeted by miR171 in Sorghum bicolor <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8188580/>

miR171 also found in arabidopsis and responds to salt stress <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2327369/>

g7632 - aldehyde dehydrogenase 22A1

aldehyde is a intermediate in many processes, but can harm cells. Needs breaking down

increased expression in salt tolerance <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5853279/>

g12064, g46690 - pentatricopeptide (PPR) domain protein

PPR protein SOAR1 has known links to salt tolerance in Arabidopsis - <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4486114/>

g13319 - with no lysine (K) kinase 6

Expressed either at low level or under specific conditions. Other WNKs in Arabidopsis use in flowering <https://onlinelibrary.wiley.com/doi/full/10.1111/j.1438-8677.2008.00072.x?saml_referrer>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3645675/>

g40302 - high-affinity K+ transporter 1

K/Na transporter known to aid in salt tolerance in arabidopsis

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC156079/

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2729596/

<https://pubmed.ncbi.nlm.nih.gov/16359386/>

g382 - myosin-G heavy chain-like protein

myosin heavy chain related protein upregulated under salt stress <https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/full/10.1002/pmic.200800340?casa_token=W5x32ssPR0wAAAAA%3AonzUJ6uUJeREpsRjghH5j7vViO3-o4QCblLwoNjr01xOXWRWe1qmrVXG8AKyym4sRxQKCv2yTDv8BLXq>

g7575 - period circadian protein

Can’t find anything about this particular protein

G13461 - tRNA dimethylallyltransferase

Can’t find anything about this particular protein

G17141 - Ankyrin repeat family protein

Ankyrin repeat proteins previously linked to aiding in salt stress

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7658197/>

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-313X.2008.03614.x>

g18703 - RNA-binding (RRM/RBD/RNP motifs) family protein

Nothing on this exactly, but similar protein found in GWAS associated with salt stress response <https://academic.oup.com/plphys/article/172/2/690/6115855?login=false>

G18705 - serine carboxypeptidase-like 40

Proteins in this family involved in abiotic stress response in wheat <https://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-021-07647-6>

G18780 - NIMA-related kinase 4

NEK6 has a role in salt stress <https://pubmed.ncbi.nlm.nih.gov/21801253/>

G18836 - 2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein

Can’t find anything specific

G18903 – Pirin

A rold in stress response is indicated <https://pubmed.ncbi.nlm.nih.gov/35504035/>

G19108 - mitogen-activated protein kinase phosphatase 1

Involved in salt stress response <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC136950/>

<https://pubmed.ncbi.nlm.nih.gov/35302643/>

g19195 – Chloroplast RNA-binding protein 29

Can find relevant studies for cold stress, but not salt <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3517249/>

G19212 - P-loop containing nucleoside triphosphate hydrolases superfamily protein

It and it’s regulator play opposite roles in salt stress response <https://pubmed.ncbi.nlm.nih.gov/23550829/>

G19250 - plant U-box 22

Overexpression increases sensitivity to salt stress <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2518226/>

G19297 - NO PRIMEXINE AND PLASMA MEMBRANE UNDULATION

Nothing foun relevant to salt stress

G19305 - Malectin/receptor-like protein kinase family protein

Can’t find anything relevant to salt stress

G28548 - Transducin/WD40 repeat-like superfamily protein

Found in NUP85 immuno-complex which helps regulate salt stress responses

<https://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1007124>

g28693 - FRAGILE HISTIDINE TRIAD

Can’t find anything relevant to salt stress

G29666 - ubiquitin-specific protease 12

Similar proteins regulate SOS salt tolerance <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2590731/> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3556978/>

G30748 - cyclic nucleotide gated channel 10

Overexpression increased sensitivity to salt, mutants lowered it <https://pubmed.ncbi.nlm.nih.gov/25416933/>

G31554 - RNA-dependent RNA polymerase 1

Lower expression under long periods of salt stress <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3268507/>

G31967, G46370 - O-methyltransferase family protein

Overexpression of a bean protein increased salt tolerance in Arabidopsis <https://link.springer.com/article/10.1007/s00344-019-10040-z>

G2691 - F-box associated ubiquitination effector family protein

Mutant over expression lead to better tolerance <https://pubmed.ncbi.nlm.nih.gov/32574916/>

G33430 - ubiquitin-protein ligase 4

Negatve regulator of salt tolerance <https://pubmed.ncbi.nlm.nih.gov/25913143/>

G38122 - Nonsense mediated decay (NMD)factor

Role in salt stress response <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5040709/>

G38124 - ABC-2 type transporter family protein

Over expression of one of them improves salt stress resistance <https://pubmed.ncbi.nlm.nih.gov/20088904/>

G38527 - Sec14p-like phosphatidylinositol transfer family protein

One family member regulates Na/H antiporter under salt stress <https://pubmed.ncbi.nlm.nih.gov/29684208/>

G40268 - Conserved telomere maintenance component 1

Telomerase activity inhibited in high salt. May help to maintain telomere (I speculate) <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1949013/>

G44174 - S-locus lectin protein kinase family protein

Salt tolerance ai in plants <https://www.sciencedirect.com/science/article/pii/S0176161712005500>

G45818 - alpha-amylase-like 3

Arabidopsis overexpressing a wheat alpha amylase inhibitor were more salt tolerant - <https://pubmed.ncbi.nlm.nih.gov/23039848/>

G47233 - Peroxidase superfamily protein

Overexpression in soybean leads to salt tolerance <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6695911/>

G49351 - nodulin MtN21 /EamA-like transporter family protein

Nothing relevant to salt stress found

G49965 - Protein kinase superfamily protein with octicosapeptide/Phox/Bem1p domain

Nothing relevant to salt stress found

G51370 - subtilisin-like protease

Involved in signal transduction pathway for salt stress <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2156172/#:~:text=The%20salt%20stress%20response%20in,domain%20on%20its%20cytoplasmic%20side>.