**Table S1.** Summary of Illumina transcriptome sequencing from 30-d-old leaves of *Arabidopsis thaliana* plants. All reads were mapped to the Arabidopsis reference genome (TAIR 10 version). Total number of RNA–Seq reads from each sample and their mapping statistics are shown below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sample** | **Total Reads** | **Reads mapped** | **Precent Mapped** | **Uniquely Mapped** | **Percent Uniquely Mapped** | **Mutiple Hits** |
| WTVOZ\_R1 | 39972118 | 37634802 | 94.2 | 34068915 | 90.5 | 3565887 |
| WTVOZ\_R2 | 37729617 | 35609366 | 94.4 | 32274896 | 90.6 | 3334470 |
| DKOVOZ\_R1 | 75238276 | 70326172 | 93.5 | 63253484 | 89.9 | 7072688 |
| DKOVOZ\_R2 | 67085386 | 63456835 | 94.6 | 56841219 | 89.6 | 6615616 |
| VOZ COMP\_R1 | 39923082 | 37493531 | 93.9 | 34093479 | 90.9 | 3400052 |
| VOZCOMP\_R2 | 41985763 | 39553773 | 94.2 | 35834801 | 90.6 | 3718972 |

**Table S2.** List of DE genes with different VOZ binding sites in -500bp upstream of TSS.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No. | Gene ID | CGT(GA)  sites | Gene ID | ACGTG  sites | Gene ID | ACGT  sites |
| |  | | --- | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | | 23 | | 24 | | 25 | | 26 | | 27 | | 28 | | 29 | | 30 | | 31 | | 32 | | 33 | | 34 | | 35 | | 36 | | 37 | | 38 | | 39 | | 40 | | 41 | | 42 | | 43 | | 44 | | 45 | | 46 | | 47 | | 48 | | 49 | | 50 | | 51 | | 52 | | 53 | | 54 | | 55 | | 56 | | 57 | | 58 | | 59 | | 60 | | 61 | | 62 | | 63 | | 64 | | 65 | | 66 | | 67 | | 68 | | 69 | | 70 | | 71 | | 72 | | 73 | | 74 | | 75 | | 76 | | 77 | | 78 | | 79 | | 80 | | 81 | | 82 | | 83 | | 84 | | 85 | | 86 | | 87 | | 88 | | 89 | | 90 | | 91 | | 92 | | 93 | | 94 | | 95 | | 96 | | 97 | | 98 | | 99 | | 100 | | 101 | |  | |  | | |  | | --- | | AT2G22470 | | AT1G16850 | | AT1G23150 | | AT1G65510 | | AT3G27210 | | AT1G61800 | | AT1G67870 | | AT1G52040 | | AT1G73325 | | AT1G52890 | | AT2G17840 | | AT2G29350 | | AT3G02480 | | AT5G59820 | | AT1G13340 | | AT1G02470 | | AT1G10585 | | AT1G73260 | | AT1G76790 | | AT2G41480 | | AT4G11910 | | AT5G24780 | | AT1G74010 | | AT2G14620 | | AT2G37760 | | AT3G08860 | | AT1G67865 | | AT2G22860 | | AT2G39030 | | AT3G04000 | | AT4G23600 | | AT4G33420 | | AT4G39670 | | AT1G67860 | | AT1G75250 | | AT2G29460 | | AT3G44300 | | AT1G09500 | | AT1G47395 | | AT1G47400 | | AT1G65500 | | AT2G14247 | | AT2G26020 | | AT2G39330 | | AT3G03640 | | AT3G28210 | | AT3G29250 | | AT4G00780 | | AT4G18280 | | AT4G23680 | | AT4G36010 | | AT4G39190 | | AT5G13170 | | AT5G44420 | | AT5G49480 | | AT5G64120 | | AT5G66170 | | AT1G23130 | | AT1G30700 | | AT1G54575 | | AT1G64360 | | AT1G75270 | | AT2G26010 | | AT3G56980 | | AT5G02260 | | AT1G61120 | | AT2G34810 | | AT3G05400 | | AT3G44320 | | AT3G49580 | | AT4G12735 | | AT4G15210 | | AT4G16260 | | AT4G17470 | | AT5G16360 | | AT5G44430 | | AT5G59310 | | AT3G61210 | | AT4G08555 | | AT5G18270 | | AT5G23660 | | AT5G24770 | | AT1G68795 | | AT2G18328 | | AT3G09270 | | AT5G47060 | | AT3G04720 | | AT4G11320 | | AT4G16000 | | AT4G37990 | | AT5G17860 | | AT2G43510 | | AT2G43620 | | AT4G33550 | | AT5G10340 | | AT5G13490 | | AT5G22860 | | AT5G63130 | | AT1G02850 | | AT2G32870 | | AT3G26830 | | |  | | --- | | 11 | | 10 | | 9 | | 9 | | 9 | | 8 | | 8 | | 7 | | 7 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | |  | | --- | | AT3G02480 | | AT1G52040 | | AT2G22470 | | AT1G16850 | | AT3G27210 | | AT3G44320 | | AT1G52890 | | AT1G67870 | | AT1G73260 | | AT4G11910 | | AT4G36010 | | AT5G24780 | | AT5G66170 | | AT1G09500 | | AT1G10585 | | AT1G23150 | | AT1G65500 | | AT1G67865 | | AT1G73325 | | AT2G22860 | | AT2G39330 | | AT3G03640 | | AT3G04000 | | AT4G00780 | | AT4G12735 | | AT4G15210 | | AT4G16000 | | AT4G23600 | | AT4G39670 | | AT5G17860 | | AT5G59310 | | AT5G59820 | | AT1G02470 | | AT1G47395 | | AT1G47400 | | AT1G61800 | | AT1G65510 | | AT1G76790 | | AT2G14247 | | AT2G17840 | | AT2G26020 | | AT2G29350 | | AT2G39030 | | AT2G41480 | | AT3G04720 | | AT3G05400 | | AT3G28210 | | AT3G29250 | | AT3G49580 | | AT4G11320 | | AT4G16260 | | AT4G17470 | | AT4G18280 | | AT4G23680 | | AT4G33420 | | AT4G37990 | | AT4G39190 | | AT5G13170 | | AT5G16360 | | AT5G44420 | | AT5G44430 | | AT5G49480 | | AT5G64120 | | AT4G39320 | | AT5G40730 | | |  | | --- | | 8 | | 5 | | 5 | | 4 | | 4 | | 4 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | |  | | --- | | AT3G02480 | | AT1G16850 | | AT1G52040 | | AT1G10585 | | AT1G61800 | | AT1G65510 | | AT1G73260 | | AT3G27210 | | AT4G23680 | | AT5G59820 | | AT2G22470 | | AT2G39030 | | AT2G41480 | | AT3G03640 | | AT4G11910 | | AT4G23600 | | AT4G36010 | | AT4G37990 | | AT4G39670 | | AT5G66170 | | AT3G61210 | | AT1G09500 | | AT1G23150 | | AT1G47395 | | AT1G47400 | | AT1G52890 | | AT1G67865 | | AT1G67870 | | AT1G73325 | | AT2G17840 | | AT2G22860 | | AT2G29350 | | AT2G39330 | | AT3G04000 | | AT3G04720 | | AT3G29250 | | AT3G44320 | | AT4G00780 | | AT4G12735 | | AT4G16260 | | AT4G17470 | | AT4G18280 | | AT4G39190 | | AT5G16360 | | AT5G24780 | | AT5G44420 | | AT5G44430 | | AT5G59310 | | AT1G64360 | | AT2G14620 | | AT2G43620 | | AT3G56980 | | AT4G08555 | | AT5G23660 | | AT4G39320 | | AT5G16980 | | AT1G02470 | | AT1G65500 | | AT1G76790 | | AT2G14247 | | AT2G26020 | | AT3G05400 | | AT3G28210 | | AT3G49580 | | AT4G11320 | | AT4G15210 | | AT4G16000 | | AT4G33420 | | AT5G17860 | | AT5G49480 | | AT5G64120 | | AT1G13340 | | AT1G23130 | | AT1G30700 | | AT1G54575 | | AT1G67860 | | AT1G74010 | | AT1G75250 | | AT1G75270 | | AT2G26010 | | AT2G37760 | | AT2G43510 | | AT3G08860 | | AT4G33550 | | AT5G02260 | | AT5G10340 | | AT5G13490 | | AT5G18270 | | AT5G22860 | | AT5G24770 | | AT3G43270 | | AT5G13170 | | AT5G63130 | | AT5G40730 | | |  | | --- | | 12 | | 10 | | 10 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | |

The number and type of binding sites were identified by Patmatch tool available on arabidopsis.org website using the default settings. Both up- and down-regulated DE genes were used for scoring the type and number of VOZ binding motifs.

**Table S3A.** Expression level and VOZ-binding sites in the promoter (-500 bp) region of 18 salt-responsive genes obtained by comparing the DE gene list with the salt stress genes in the stress responsive TF database (http://caps.ncbs.res.in/cgi-bin/mini/databases/stifdb/stress\_matrix.cgi?se=NACL(http://caps.ncbs.res.in/stifdb/browse.html#se).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | **Gene ID** | **# CGT[GA]** | **# ACGTG** | **#ACGT** | **Expression in DKO** | **P value** | **Expression in COMP2-4** | **P value** | **Symbol** | **Brief description** |
| 1 | AT1G02850 | 1 | 0 | 0 | 3.56375 | 5.00E-05 | -0.833054 | 0.17465 | BGLU11 | beta glucosidase 11 |
| 2 | AT1G09500 | 5 | 2 | 4 | 3.91397 | 5.00E-05 | -1.44907 | 0.02025 | AT1G09500 | NAD(P)-binding Rossmann-fold superfamily protein |
| 3 | AT1G10585 | 5 | 2 | 8 | 3.65006 | 5.00E-05 | -3.41861 | 5.00E-05 | AT1G10585 | basic helix-loop-helix (bHLH) DNA-binding superfamily protein |
| 4 | AT1G16850 | 10 | 4 | 10 | 2.74173 | 0.0002 | -2.01864 | 0.00225 | AT1G16850 | transmembrane protein |
| 5 | AT2G17840 | 6 | 1 | 4 | 2.55471 | 5.00E-05 | -1.22842 | 0.04685 | ERD7 | Senescence/dehydration-associated protein-like protein |
| 6 | AT2G29460 | 4 | 0 | 0 | 2.44266 | 0.00025 | -1.42806 | 0.01715 | GSTU4 | glutathione S-transferase tau 4 |
| 7 | AT2G37760 | 5 | 0 | 2 | 2.89887 | 5.00E-05 | -1.4199 | 0.0222 | AKR4C8 | NAD(P)-linked oxidoreductase superfamily protein |
| 8 | AT2G43510 | 1 | 0 | 2 | 3.23833 | 5.00E-05 | -2.67732 | 5.00E-05 | TI1 | trypsin inhibitor protein 1 |
| 9 | AT2G43620 | 1 | 0 | 4 | 4.56162 | 5.00E-05 | -2.41282 | 0.00065 | AT2G43620 | Chitinase family protein |
| 10 | AT3G02480 | 6 | 8 | 12 | 2.95628 | 0.00025 | -1.48103 | 0.0322 | AT3G02480 | Late embryogenesis abundant protein (LEA) family protein |
| 11 | AT3G04000 | 4 | 2 | 4 | 2.63846 | 0.00015 | -1.73229 | 0.01215 | AT3G04000 | NAD(P)-binding Rossmann-fold superfamily protein |
| 12 | AT3G44300 | 4 | 0 | 0 | 4.25694 | 5.00E-05 | -1.91283 | 0.0105 | NIT2 | nitrilase 2 |
| 13 | AT4G18280 | 3 | 1 | 4 | 2.54088 | 0.00025 | -2.06299 | 0.00335 | AT4G18280 | glycine-rich cell wall protein-like protein |
| 14 | AT4G23600 | 4 | 2 | 6 | 3.52639 | 5.00E-05 | -0.748581 | 0.33575 | CORI3 | Tyrosine transaminase family protein |
| 15 | AT4G37990 | 1 | 1 | 6 | 5.11591 | 5.00E-05 | -4.21711 | 5.00E-05 | ELI3-2 | cinnamyl alcohol dehydrogenase 8 |
| 16 | AT4G39670 | 4 | 2 | 6 | 2.84463 | 5.00E-05 | -1.5238 | 0.01325 | AT4G39670 | Glycolipid transfer protein (GLTP) family protein |
| 17 | AT5G22860 | 1 | 0 | 2 | 2.0846 | 0.00025 | -0.676525 | 0.2651 | AT5G22860 | Serine carboxypeptidase S28 family protein |
| 18 | AT5G24770 | 2 | 0 | 2 | 4.5009 | 5.00E-05 | -0.481175 | 0.51695 | VSP2 | vegetative storage protein 2 |

**Table S3B.** Expression level and VOZ-binding site in the promoter (-500 bp) region of 10 salt-responsive genes obtained in GO term enrichment analysis. .

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | **Gene ID** | **# CGT[GA]** |  | **# ACGTG** | **#ACGT** | **Expression in DKO** | **P value** | **Expression in COMP2-4** | **P value** | **Symbol** | **Brief description** |
| 1 | AT1G16850 | 10 |  | 4 | 10 | 2.74173 | 0.0002 | -2.01864 | 0.00225 | AT1G16850 | transmembrane protein |
| 2 | At1g73260 | 5 |  | 3 | 8 | 3.04043 | 5.00E-05 | -3.0642 | 5.00E-05 | KTI1 | kunitz trypsin inhibitor 1 |
| 3 | AT2G17840 | 6 |  | 1 | 4 | 2.55471 | 5.00E-05 | -1.22842 | 0.04685 | ERD7 | Senescence/dehydration-associated protein-like protein |
| 4 | AT2G37760 | 5 |  | 0 | 2 | 2.89887 | 5.00E-05 | -1.4199 | 0.0222 | AKR4C8 | NAD(P)-linked oxidoreductase superfamily protein |
| 5 | At3g04720 | 1 |  | 1 | 4 | 2.52442 | 0.0002 | -1.75782 | 0.0122 | PR4 | pathogenesis-related 4 |
| 6 | At4g16260 | 2 |  | 1 | 4 | 4.38504 | 5.00E-05 | -2.08327 | 0.00185 | AT4G16260 | Glycosyl hydrolase superfamily protein |
| 7 | AT4G23600 | 4 |  | 2 | 6 | 3.52639 | 5.00E-05 | -0.748581 | 0.33575 | CORI3 | Tyrosine transaminase family protein |
| 8 | AT5G24770 | 2 |  | 0 | 2 | 4.5009 | 5.00E-05 | -0.481175 | 0.51695 | VSP2 | vegetative storage protein 2 |
| 9 | At5g59310 | 2 |  | 2 | 4 | 6.43833 | 5.00E-05 | -1.68103 | 0.0687 | LTP4 | lipid transfer protein 4 |
| 10 | At5g59820 | 6 |  | 2 | 8 | 2.95402 | 5.00E-05 | -3.22902 | 5.00E-05 | RHL41 | C2H2-type zinc finger family protein |