**Transcriptome Analysis of a *Triticum aestivum* Landrace (*Roshan)* in Response to Salt Stress Conditions**

**Jamshid Azimian1, Eslam Majidi Hervan1, Amin Azadi2,\*, Mohammad Reza Bakhtiarizadeh3 and Reza Azizinezhad1**

1Department of Plant Breeding and Biotechnology, Science and Research Branch, Islamic Azad University, Tehran, Iran

2 Department of Plant Breeding, Yadegar-e-Imam Khomeini (RAH) Shahre Rey Branch, Islamic Azad University, Tehran, Iran

3 Department of Animal and Poultry Science, College of Aburaihan, University of Tehran, Tehran, Iran

\*Corresponding author E-mail: azadi.amin@gmail.com;

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| **Genes Coding ABC transporter** | | | | |
| **UP-Regulated** | | | | |
| ID | FoldChange | log2FoldChange | pvalue | padj |
| TraesCS3A02G217900 | 122.509 | 6.937 | 1.35E-108 | 7.43E-106 |
| TraesCS3D02G234400 | 30.977 | 4.953 | 8.85E-102 | 4.05E-99 |
| TraesCS3B02G290300 | 65.25 | 6.028 | 2.10E-99 | 9.05E-97 |
| TraesCS4B02G002700 | 10.866 | 3.442 | 9.76E-96 | 3.83E-93 |
| TraesCS2A02G451300 | 9.144 | 3.193 | 1.20E-60 | 1.49E-58 |
| TraesCS3A02G257500 | 8.179 | 3.032 | 6.20E-54 | 5.97E-52 |
| TraesCS3B02G248400 | 16.799 | 4.07 | 1.84E-48 | 1.47E-46 |
| TraesCS4D02G000500 | 27.463 | 4.779 | 8.08E-45 | 5.54E-43 |
| TraesCS5D02G190600 | 8.772 | 3.133 | 8.22E-44 | 5.42E-42 |
| TraesCS3D02G257500 | 13.212 | 3.724 | 4.47E-43 | 2.80E-41 |
| TraesCS4B02G343800 | 7.631 | 2.932 | 1.84E-41 | 1.06E-39 |
| TraesCS7D02G116300 | 5.827 | 2.543 | 9.88E-36 | 4.46E-34 |
| TraesCS7A02G118900 | 8.993 | 3.169 | 2.93E-34 | 1.23E-32 |
| TraesCS5A02G185500 | 3.901 | 1.964 | 5.90E-32 | 2.20E-30 |
| TraesCS4A02G143000 | 4.24 | 2.084 | 1.21E-29 | 4.01E-28 |
| TraesCS4D02G092000 | 5.148 | 2.364 | 1.42E-27 | 4.20E-26 |
| TraesCS7D02G114100 | 4.726 | 2.241 | 5.06E-27 | 1.45E-25 |
| TraesCS2D02G451100 | 6.829 | 2.772 | 2.01E-25 | 5.27E-24 |
| TraesCS7B02G016500 | 5.871 | 2.554 | 3.19E-24 | 7.71E-23 |
| TraesCS4A02G216900 | 3.872 | 1.953 | 4.81E-23 | 1.08E-21 |
| TraesCS5A02G512500 | 3.532 | 1.821 | 1.29E-22 | 2.82E-21 |
| TraesCS7D02G114200 | 7.284 | 2.865 | 1.48E-22 | 3.22E-21 |
| TraesCS4B02G095200 | 4.894 | 2.291 | 3.36E-22 | 7.18E-21 |
| TraesCS3B02G142200 | 11.216 | 3.487 | 1.84E-21 | 3.73E-20 |
| TraesCS4A02G000500 | 3.409 | 1.769 | 1.04E-20 | 2.01E-19 |
| TraesCS5B02G183500 | 3.324 | 1.733 | 1.58E-18 | 2.63E-17 |
| TraesCS7A02G118800 | 3.829 | 1.937 | 2.42E-18 | 4.00E-17 |
| TraesCS1B02G231900 | 6.2 | 2.632 | 3.50E-14 | 4.19E-13 |
| TraesCS7A02G356100 | 2.248 | 1.168 | 1.09E-13 | 1.25E-12 |
| TraesCS3D02G541700 | 4.212 | 2.075 | 1.23E-13 | 1.40E-12 |
| TraesCS1D02G140400 | 2.892 | 1.532 | 3.88E-12 | 3.91E-11 |
| TraesCS3D02G356300 | 2.135 | 1.094 | 2.81E-11 | 2.61E-10 |
| TraesCS1B02G430800 | 2.645 | 1.403 | 3.35E-11 | 3.09E-10 |
| TraesCS4D02G339000 | 6.455 | 2.69 | 3.93E-11 | 3.59E-10 |
| TraesCS1D02G409400 | 3.168 | 1.664 | 5.94E-11 | 5.33E-10 |
| TraesCS3A02G536300 | 4.358 | 2.124 | 6.24E-11 | 5.58E-10 |
| TraesCS7A02G268800 | 9.67 | 3.274 | 9.11E-11 | 8.00E-10 |
| TraesCS6A02G178500 | 242.629 | 7.923 | 2.23E-09 | 1.69E-08 |
| TraesCS6B02G205900 | 58.532 | 5.871 | 2.92E-09 | 2.20E-08 |
| TraesCS2D02G055600 | 3.837 | 1.94 | 4.95E-09 | 3.62E-08 |
| TraesCS6D02G166100 | 190.632 | 7.575 | 1.05E-07 | 6.54E-07 |
| TraesCS1D02G345100 | 2.034 | 1.024 | 1.37E-07 | 8.40E-07 |
| TraesCS7B02G167100 | 11.118 | 3.475 | 1.80E-07 | 1.09E-06 |
| TraesCS1B02G356100 | 2.359 | 1.238 | 2.40E-07 | 1.43E-06 |
| TraesCS2B02G472800 | 2.763 | 1.466 | 3.68E-07 | 2.13E-06 |
| TraesCS7D02G269400 | 58.905 | 5.88 | 9.09E-07 | 5.01E-06 |
| TraesCS3D02G124700 | 2.928 | 1.55 | 1.31E-06 | 7.08E-06 |
| TraesCS7D02G284100 | 2.311 | 1.209 | 4.69E-06 | 2.34E-05 |
| TraesCS6D02G128600 | 6.442 | 2.687 | 1.57E-05 | 7.19E-05 |
| TraesCS5B02G188600 | 4.266 | 2.093 | 1.88E-05 | 8.51E-05 |
| TraesCS3B02G319100 | 3.558 | 1.831 | 2.38E-05 | 0.000105769 |
| TraesCS3A02G123000 | 7.266 | 2.861 | 5.12E-05 | 0.000214706 |
| TraesCS2A02G049700 | 7.576 | 2.921 | 7.17E-05 | 0.000293513 |
| TraesCS3B02G607600 | 2.112 | 1.079 | 0.0001165 | 0.000457971 |
| TraesCS2A02G451500 | 4.412 | 2.142 | 0.000138399 | 0.000536659 |
| TraesCS2B02G060900 | 2.724 | 1.446 | 0.000167017 | 0.000638214 |
| TraesCS3A02G258000 | 4.759 | 2.251 | 0.000169801 | 0.000647951 |
| TraesCS7D02G355100 | 3.363 | 1.75 | 0.000182821 | 0.000694392 |
| TraesCS4D02G201700 | 6.777 | 2.761 | 0.000190474 | 0.000720877 |
| TraesCS4A02G103400 | 5.789 | 2.533 | 0.000210739 | 0.00079089 |
| TraesCS2A02G056800 | 3.251 | 1.701 | 0.000223503 | 0.00083511 |
| TraesCS3D02G285100 | 2.825 | 1.498 | 0.000413229 | 0.001461801 |
| TraesCS3A02G285100 | 4.203 | 2.072 | 0.000525045 | 0.0018182 |
| TraesCS3B02G291100 | 2.158 | 1.11 | 0.000922595 | 0.003030172 |
| TraesCS1A02G218400 | 2.743 | 1.456 | 0.003530599 | 0.010128879 |
| TraesCS3D02G348400 | 9.389 | 3.231 | 0.003858173 | 0.010964588 |
| TraesCS7D02G150800 | 3.223 | 1.689 | 0.004476879 | 0.012505393 |
| TraesCS7B02G490800 | 2.428 | 1.28 | 0.013010122 | 0.032008299 |
| **DOWN-Regulated** | | | | |
| TraesCS1A02G126900 | 0.455 | -1.136 | 6.09E-07 | 3.43E-06 |
| TraesCS1B02G147700 | 0.472 | -1.085 | 1.22E-07 | 7.54E-07 |
| TraesCS2A02G374100 | 0.398 | -1.329 | 1.41E-08 | 9.76E-08 |
| TraesCS2A02G521400 | 0.219 | -2.191 | 0.000163894 | 0.000627111 |
| TraesCS2B02G311700 | 0.463 | -1.112 | 0.001940649 | 0.00593324 |
| TraesCS2B02G550700 | 0.315 | -1.667 | 0.008582961 | 0.022229949 |
| TraesCS2D02G051800 | 0.197 | -2.346 | 0.000498438 | 0.001735905 |
| TraesCS3A02G122500 | 0.095 | -3.392 | 7.84E-06 | 3.78E-05 |
| TraesCS3A02G143200 | 0.474 | -1.077 | 3.63E-07 | 2.11E-06 |
| TraesCS3A02G253700 | 0.446 | -1.164 | 0.004004373 | 0.011332665 |
| TraesCS3A02G258300 | 0.427 | -1.229 | 2.52E-08 | 1.69E-07 |
| TraesCS3A02G272800 | 0.022 | -5.508 | 0.000558512 | 0.001922968 |
| TraesCS3A02G417100 | 0.18 | -2.477 | 1.66E-36 | 7.76E-35 |
| TraesCS3B02G141700 | 0.079 | -3.663 | 6.11E-16 | 8.40E-15 |
| TraesCS3B02G340600 | 0.305 | -1.715 | 5.92E-06 | 2.90E-05 |
| TraesCS3B02G452000 | 0.452 | -1.145 | 9.22E-10 | 7.30E-09 |
| TraesCS3D02G124400 | 0.187 | -2.422 | 0.000264792 | 0.000975104 |
| TraesCS3D02G129900 | 0.344 | -1.538 | 3.12E-24 | 7.54E-23 |
| TraesCS3D02G258200 | 0.259 | -1.95 | 0.008499679 | 0.022037852 |
| TraesCS3D02G387200 | 0.108 | -3.207 | 0.00099156 | 0.003233493 |
| TraesCS3D02G412600 | 0.436 | -1.196 | 8.52E-13 | 9.12E-12 |
| TraesCS4A02G051100 | 0.363 | -1.462 | 0.004476589 | 0.012505238 |
| TraesCS4A02G331100 | 0.147 | -2.768 | 5.54E-07 | 3.14E-06 |
| TraesCS4A02G384800 | 0.153 | -2.709 | 1.21E-16 | 1.75E-15 |
| TraesCS4A02G414400 | 0.142 | -2.82 | 2.68E-05 | 0.000117868 |
| TraesCS4B02G253200 | 0.349 | -1.519 | 2.90E-10 | 2.43E-09 |
| TraesCS4B02G331400 | 0.119 | -3.067 | 7.88E-17 | 1.16E-15 |
| TraesCS4D02G253300 | 0.339 | -1.561 | 8.00E-16 | 1.09E-14 |
| TraesCS5A02G016200 | 0.316 | -1.662 | 1.36E-06 | 7.30E-06 |
| TraesCS5A02G158100 | 0.17 | -2.56 | 1.34E-06 | 7.23E-06 |
| TraesCS5A02G447200 | 0.05 | -4.31 | 2.85E-20 | 5.35E-19 |
| TraesCS5D02G564000 | 0.131 | -2.928 | 6.53E-13 | 7.06E-12 |
| TraesCS6A02G140300 | 0.204 | -2.296 | 2.99E-12 | 3.05E-11 |
| TraesCS6A02G264900 | 0.066 | -3.919 | 7.77E-06 | 3.75E-05 |
| TraesCS6B02G168800 | 0.355 | -1.494 | 0.005022739 | 0.013832668 |
| TraesCS6B02G291900 | 0.056 | -4.154 | 3.02E-06 | 1.55E-05 |
| TraesCS6D02G170100 | 0.437 | -1.194 | 0.006382254 | 0.017105359 |
| TraesCS6D02G250000 | 0.078 | -3.672 | 0.000234193 | 0.000871715 |
| TraesCS7A02G380900 | 0.242 | -2.048 | 9.60E-16 | 1.30E-14 |
| TraesCS7A02G478500 | 0.042 | -4.582 | 9.64E-18 | 1.51E-16 |
| TraesCS7B02G000200 | 0.181 | -2.466 | 9.51E-20 | 1.72E-18 |
| TraesCS7B02G240900 | 0.023 | -5.463 | 1.34E-12 | 1.41E-11 |
| TraesCS7D02G080300 | 0.289 | -1.792 | 3.45E-14 | 4.13E-13 |
| TraesCS7D02G117000 | 0.074 | -3.763 | 0.002009306 | 0.006118088 |
| TraesCS7D02G185700 | 0.287 | -1.799 | 0.003383671 | 0.009755971 |
| TraesCS7D02G337600 | 0.166 | -2.591 | 0.001079227 | 0.003491879 |
| TraesCS7D02G465900 | 0.023 | -5.446 | 2.39E-07 | 1.42E-06 |

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| **Genes Coding ANNEXIN** | | | | |
| **UP-Regulated** | | | | |
| ID | FoldChange | log2FoldChange | pvalue | padj |
| TraesCS6D02G280300 | 2.111 | 1.078 | 6.24E-10 | 5.04E-09 |
| TraesCS6A02G300400 | 3.401 | 1.766 | 1.47E-11 | 1.40E-10 |
| TraesCS5D02G242700 | 2.559 | 1.356 | 0.005019 | 0.013825953 |
| TraesCS1A02G073900 | 3.463 | 1.792 | 0.000121 | 0.000476015 |
| **DOWN-Regulated** | | | | |
| TraesCS1A02G239600 | 0.135 | -2.894 | 1.28E-06 | 6.89E-06 |
| TraesCS1B02G251800 | 0.112 | -3.156 | 4.71E-25 | 1.20E-23 |
| TraesCS1B02G251900 | 0.176 | -2.509 | 4.43E-23 | 1.00E-21 |
| TraesCS1D02G076600 | 0.459 | -1.123 | 0.003238 | 0.009384165 |
| TraesCS1D02G239800 | 0.128 | -2.969 | 5.78E-11 | 5.20E-10 |
| TraesCS1D02G239900 | 0.175 | -2.517 | 2.70E-07 | 1.60E-06 |

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| **Genes Coding Calcium-Transporting ATPases** | | | | |
| **UP-Regulated** | | | | |
| ID | FoldChange | log2FoldChange | pvalue | padj |
| TraesCS7D02G252900 | 3.441 | 1.783 | 1.12E-13 | 1.29E-12 |
| TraesCS7B02G150600 | 3.029 | 1.599 | 2.05E-17 | 3.15E-16 |
| TraesCS7A02G254400 | 2.995 | 1.583 | 1.10E-14 | 1.38E-13 |
| TraesCS6B02G180700 | 2.646 | 1.404 | 1.25E-08 | 8.72E-08 |
| TraesCS6A02G152700 | 3.194 | 1.676 | 1.95E-15 | 2.56E-14 |
| TraesCS5B02G276500 | 9.123 | 3.19 | 0.000530988 | 0.001836359 |
| TraesCS5A02G276700 | 3.713 | 1.893 | 1.12E-09 | 8.80E-09 |
| TraesCS4B02G201500 | 2.084 | 1.059 | 1.35E-10 | 1.16E-09 |
| TraesCS2D02G430700 | 2.044 | 1.031 | 6.54E-08 | 4.18E-07 |
| TraesCS1D02G312500 | 2.126 | 1.088 | 0.003249569 | 0.00941153 |
| TraesCS1B02G060700 | 2.909 | 1.54 | 1.72E-14 | 2.11E-13 |
| TraesCS1A02G047000 | 3.094 | 1.63 | 4.41E-20 | 8.20E-19 |
| **DOWN-Regulated** | | | | |
| TraesCS1D02G066500 | 0.309 | -1.694 | 0.004329848 | 0.012149137 |

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| **Genes Coding HKT (High-affinity potassium transporter protein)** | | | | |
| **UP-Regulated** | | | | |
| ID | FoldChange | log2FoldChange | pvalue | padj |
| TraesCS2D02G428500 | 8.794 | 3.137 | 6.02E-06 | 2.95E-05 |
| TraesCS2D02G428400 | 8.429 | 3.075 | 1.17E-06 | 6.35E-06 |
| TraesCS2B02G451700 | 4.307 | 2.107 | 7.65E-13 | 8.21E-12 |
| TraesCS2B02G451600 | 179.088 | 7.485 | 3.13E-08 | 2.08E-07 |
| **DOWN-Regulated** | | | | |
| TraesCS2B02G451400 | 0.144 | -2.792 | 0.00337878 | 0.009742798 |
| TraesCS2B02G451800 | 0.013 | -6.223 | 0.000268397 | 0.000987058 |
| TraesCS6B02G182600 | 0.075 | -3.745 | 2.84E-08 | 1.89E-07 |
| TraesCS7A02G418600 | 0.311 | -1.684 | 2.14E-06 | 1.12E-05 |
| TraesCS7D02G411300 | 0.436 | -1.198 | 9.08E-05 | 0.000363728 |

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| **Genes Coding Potassium transporter** | | | | |
| **UP-Regulated** | | | | |
| ID | FoldChange | log2FoldChange | pvalue | padj |
| TraesCS7D02G388900 | 2.932 | 1.552 | 1.02E-20 | 1.97E-19 |
| TraesCS7B02G295600 | 2.065 | 1.046 | 1.09E-08 | 7.64E-08 |
| TraesCS7B02G116700 | 6.073 | 2.602 | 8.61E-12 | 8.39E-11 |
| TraesCS7A02G393600 | 2.012 | 1.008 | 1.66E-09 | 1.28E-08 |
| TraesCS6D02G275100 | 8.653 | 3.113 | 7.63E-31 | 2.68E-29 |
| TraesCS6D02G273100 | 4.15 | 2.053 | 2.19E-33 | 8.82E-32 |
| TraesCS6B02G324800 | 6.086 | 2.606 | 8.84E-18 | 1.39E-16 |
| TraesCS6B02G322300 | 8.799 | 3.137 | 1.08E-85 | 3.32E-83 |
| TraesCS6A02G294200 | 3.481 | 1.799 | 1.44E-10 | 1.24E-09 |
| TraesCS6A02G291900 | 4.421 | 2.144 | 2.19E-42 | 1.33E-40 |
| TraesCS5D02G375700 | 3.194 | 1.675 | 5.36E-24 | 1.27E-22 |
| TraesCS5D02G204600 | 7.191 | 2.846 | 6.75E-34 | 2.78E-32 |
| TraesCS5B02G368500 | 5.554 | 2.474 | 3.28E-32 | 1.24E-30 |
| TraesCS5B02G197300 | 4.267 | 2.093 | 1.00E-18 | 1.70E-17 |
| TraesCS5A02G366100 | 5.183 | 2.374 | 6.16E-47 | 4.57E-45 |
| TraesCS5A02G198700 | 3.26 | 1.705 | 4.41E-10 | 3.62E-09 |
| TraesCS3D02G450800 | 65.547 | 6.034 | 3.86E-07 | 2.23E-06 |
| TraesCS3B02G498200 | 4.826 | 2.271 | 3.47E-09 | 2.59E-08 |
| TraesCS3B02G487700 | 41.986 | 5.392 | 0.002852781 | 0.0083771 |
| TraesCS2D02G231500 | 3.766 | 1.913 | 3.12E-20 | 5.84E-19 |
| TraesCS2B02G135900 | 2.398 | 1.262 | 2.24E-16 | 3.18E-15 |
| TraesCS2A02G225600 | 2.497 | 1.32 | 3.91E-08 | 2.57E-07 |
| **DOWN-Regulated** | | | | |
| TraesCS2A02G256100 | 0.432 | -1.212 | 3.81E-08 | 2.51E-07 |
| TraesCS2B02G286400 | 0.375 | -1.413 | 1.46E-12 | 1.53E-11 |
| TraesCS2B02G305900 | 0.217 | -2.202 | 1.42E-08 | 9.83E-08 |
| TraesCS2D02G266600 | 0.445 | -1.167 | 5.13E-07 | 2.92E-06 |
| TraesCS5B02G106200 | 0.104 | -3.259 | 7.58E-05 | 0.000308666 |
| TraesCS5D02G240100 | 0.128 | -2.969 | 1.14E-06 | 6.19E-06 |
| TraesCS7B02G371100 | 0.105 | -3.254 | 0.005478838 | 0.014942422 |