**Table S1. Lists of orthologs of stress-related SOS (Salt-Overly-Sensitive) gene families.** The genes in red indicate thetandem duplications. The *E.salsugineum* genes marked with asterisks indicates two copies in *A.thaliana* correspond to one copy in *E.salsugineum*

**Table S1a: Orthologs of SOS1-like families**

|  |  |  |  |
| --- | --- | --- | --- |
| **SOS1-like Putative Na+/H+ antiporter family** | **Arabidopsis** | ***E.salsugineum*** | **Identity** |
| AtCHX23 | AT1G05580 | Thhalv10006774m | 88% |
| AtCHX14 | AT1G06970 | Thhalv10010023m | 86% |
| AtCHX6 | AT1G08140 | Thhalv10009857m | 73% |
| AtCHX5 | AT1G08150 | Thhalv10006822m | 75% |
| AtNHX8 | AT1G14660 | Thhalv10006906m | 81% |
| AtCHX1 | AT1G16380 | Thhalv10010021m | 84% |
| AtCHX16 | AT1G64170 | Thhalv10024412m \* | 53% |
| AtCHX2 | AT1G79400 | Thhalv10018147m | 85% |
| AtNHX7, SOS1 | AT2G01980 | Thhalv10003547m | 80% |
| AtCHX15 | AT2G13620 | Thhalv10023201m | 87% |
| AtCHX7 | AT2G28170 | Thhalv10017668m | 75% |
| AtCHX8 | AT2G28180 | Thhalv10016238m | 71% |
| AtCHX13 | AT2G30240 | Thhalv10017642m | 82% |
| AtCHX21 | AT2G31910 | Thhalv10016242m | 71% |
| AtCHX19 | AT3G17630 | Thhalv10020094m | 86% |
| AtCHX4 | AT3G44900 | Thhalv10002900m | 83% |
| AtCHX12 | AT3G44910 | Thhalv10002941m | 65% |
| AtCHX12 | AT3G44910 | Thhalv10011078m | 59% |
| AtCHX11 | AT3G44920 | Thhalv10002841m \* | 59% |
| AtCHX10 | AT3G44930 | Thhalv10002841m \* | 59% |
| AtCHX20 | AT3G53720 | Thhalv10010121m | 86% |
| AtCHX17 | AT4G23700 | Thhalv10024412m \* | 79% |
| AtCHX26 | AT5G01680 | Thhalv10015355m | 70% |
| AtCHX27 | AT5G01690 | Thhalv10012769m | 84% |
| AtCHX3 | AT5G22900 | Thhalv10012709m | 85% |
| AtCHX9 | AT5G22910 | Thhalv10015722m | 70% |
| AtCHX24 | AT5G37060 | Thhalv10012665m \* | 76% |
| AtCHX18 | AT5G41610 | Thhalv10027645m | 81% |
| AtCHX25 | AT5G58460 | Thhalv10012665m \* | 74% |

**Table S1b: Orthologs of SOS2-like families**

|  |  |  |  |
| --- | --- | --- | --- |
| **SOS2-like CBL-interacting Protein Kinases**  | **Arabidopsis** | **E.salsugineum** | **Identity** |
| AtSIP1 | AT5G58380 | Thhalv10013486m | 83% |
| AtCIPK2 | AT5G07070 | Thhalv10013492m | 82% |
| AtCIPK2 | AT5G07070 | Thhalv10013670m | 73% |
| AtCIPK2 | AT5G07070 | Thhalv10015596m | 77% |
| AtCIPK22 | AT2G38490 | Thhalv10016695m | 81% |
| AtSIP3 | AT4G30960 | Thhalv10025230m | 88% |
| AtCIPK21 | AT5G57630 | Thhalv10013669m | 95% |
| AtSIP4 | AT2G30360 | Thhalv10017776m | 86% |
| AtCIPK20 | AT5G45820 | Thhalv10000893m | 89% |
| AtCIPK25 | AT5G25110 | Thhalv10004116m | 69% |
| AtCIPK7 | AT3G23000 | Thhalv10020787m | 78% |
| AtCIPK1 | AT3G17510 | Thhalv10020722m | 90% |
| AtCIPK5 | AT5G10930 | Thhalv10015960m | 87% |
| AtCIPK23 | AT1G30270 | Thhalv10007518m | 85% |
| AtCIPK24 | AT5G35410 | Thhalv10027753m | 92% |
| AtCIPK8 | AT4G24400 | Thhalv10025204m | 95% |
| AtCIPK9 | AT1G01140 | Thhalv10007632m | 88% |
| AtCIPK15 | AT5G01810 | Thhalv10013601m | 82% |
| AtCIPK3 | AT2G26980 | Thhalv10001987m | 90% |
| AtCIPK16 | AT2G25090 | Thhalv10000155m | 81% |
| AtCIPK18 | AT1G29230 | Thhalv10007360m | 77% |
| AtCIPK19 | AT5G45810 | Thhalv10000868m | 89% |
| AtCIPK12 | AT4G18700 | Thhalv10025024m | 84% |
| AtCIPK21 | AT5G57565 | Thhalv10013669m | 69% |
| AtSR1 | AT5G01820 | Thhalv10013496m | 73% |
| AtCIPK4 | AT4G14580 | Thhalv10025228m | 70% |
| AtCIPK13 | AT2G34180 | Thhalv10016543m | 81% |
| AtCIPK17 | AT1G48260 | Thhalv10011509m | 82% |

**Table S1c. Orthologs of CDPK family**

|  |  |  |  |
| --- | --- | --- | --- |
| **Calcium Dependent Protein Kinase (CDPK family)** | **Arabidopsis** | **E.salsugineum** | **Identity** |
| AtCDPK1 | AT1G18890 | Thhalv10007293m | 89% |
| AtCDPK2 | AT1G35670\* | Thhalv10001816m | 96% |
| AtCDPK2 | AT1G35670\* | Thhalv10019860m | 47% |
| AtCDP33 | AT1G50700 | Thhalv10020475m \* | 89% |
| AtCDPK19 | AT1G61950 | Thhalv10023804m | 88% |
| AtCDPK30 | AT1G74740 | Thhalv10018366m | 94% |
| AtCDPK29 | AT1G76040 | Thhalv10018359m | 82% |
| AtCDPK6 | AT2G17290 | Thhalv10022628m | 92% |
| AtCDPK16 | AT2G17890 | Thhalv10022615m | 94% |
| AtCDPK24, SOS2 | AT2G31500 | Thhalv10016430m | 91% |
| AtCDPK25 | AT2G35890 | Thhalv10017592m | 84% |
| AtCDPK20 | AT2G38910 | Thhalv10017647m | 88% |
| AtCDPK14 | AT2G41860 | Thhalv10016499m | 87% |
| AtCPK2 | AT3G10660 | Thhalv10020268m | 86% |
| AtCDPK9 | AT3G20410 | Thhalv10020475m \* | 91% |
| AtCDPK13 | AT3G51850 | Thhalv10010284m | 97% |
| AtCDPK32 | AT3G57530 | Thhalv10005884m | 95% |
| AtCDPK31 | AT4G04695 | Thhalv10028618m \* | 65% |
| AtCDPK27 | AT4G04700 | Thhalv10028618m \* | 66% |
| AtCDPK22 | AT4G04710 | Thhalv10028617m | 73% |
| AtCDPK21 | AT4G04720 | Thhalv10028567m \* | 93% |
| AtCDPK23 | AT4G04740 | Thhalv10028567m \* | 72% |
| AtCDPK4 | AT4G09570 | Thhalv10028598m | 95% |
| AtCDPK15 | AT4G21940\* | Thhalv10028567m\* | 78% |
| AtCDPK15 | AT4G21940\* | Thhalv10026767m | 61% |
| AtCDPK15 | AT4G21940\* | Thhalv10027200m | 56% |
| AtCDPK3 | AT4G23650 | Thhalv10024899m | 87% |
| AtCDPK5 | AT4G35310 | Thhalv10024803m | 91% |
| AtCDPK18 | AT4G36070 | Thhalv10027243m | 78% |
| AtCDPK26 | AT4G38230 | Thhalv10025058m | 91% |
| AtCDPK1 | AT5G04870 | Thhalv10012990m | 92% |
| AtCDPK17 | AT5G12180 | Thhalv10013236m | 91% |
| AtCDPK7 | AT5G12480 | Thhalv10013170m | 92% |
| AtCDPK34 | AT5G19360 | Thhalv10013240m | 92% |
| AtCDPK8 | AT5G19450 | Thhalv10013210m | 96% |
| AtCDPK12 | AT5G23580 | Thhalv10004083m | 86% |
| AtCDPK28 | AT5G66210 | Thhalv10003969m | 94% |

**Table S1d: Orthologs of SOS3-like families**

|  |  |  |  |
| --- | --- | --- | --- |
| **SOS3-like calcium binding protein (CBL family)** | **Arabidopsis** | **E.salsugineum** | **Identity** |
| AtCBL8 | AT1G64480 | Thhalv10023688m | 93% |
| AtCBL5 | AT4G01420 | Thhalv10004891m \* | 48% |
| AtCBL6 | AT4G16350 | Thhalv10027149m | 81% |
| AtCBL1 | AT4G17615 | Thhalv10026227m  | 98% |
| AtCBL7 | AT4G26560 | Thhalv10026170m \* | 64% |
| AtCBL3 | AT4G26570 | Thhalv10026170m \* | 96% |
| AtCBL10 | AT4G33000 | Thhalv10026019m | 85% |
| AtCBL4 | AT5G24270 | Thhalv10004891m \* | 81% |
| AtCBL9 | AT5G47100 | Thhalv10001023m | 97% |
| AtCBL2 | AT5G55990 | Thhalv10014594m  | 99% |

**Table S1e: Orthologs of CAX2 families**

|  |  |  |  |
| --- | --- | --- | --- |
| **Low affinity calcium antiporter CAX2 family** | **Arabidopsis** | **E.salsugineum** | **Identity** |
| AtCAX6 | AT1G55720 | Thhalv10011487m \* | 82% |
| AtCAX5 | AT1G55730 | Thhalv10011487m \* | 92% |
| AtCAX1 | AT2G38170 | Thhalv10016611m | 68% |
| AtCAX2 | AT3G13320 | Thhalv10020742m | 94% |
| AtCAX3 | AT3G51860 | Thhalv10010359m | 74% |
| AtCAX4 | AT5G01490 | Thhalv10013404m | 69% |