**Supplementary Table 1.** The protein sequences of some possible sensors or receptors in *Arabidopsis thaliana* analyzed by AlphaFold

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| --- | --- |
| **Proteins** | **Amino acid sequence** |
| **GRP14** | **M**FSFLILQVSEVFQVVIAAVVSIVFLVLAGLTLAGSATALTITTPLFIIFSPILVPATIATAVITTGLTAGGALGTMAAASLLSLRRRFGRRRFGGLRRFGGGRRFGGRFGKPGGGGLGGGGLPGGLGGLGGGGLPGGLGGLGGGENPLAKISKMFGPGAAGAASGDAPPAETAPAAGAAPAAGAEPAAPPTW |
| **SIT1** | **M**RRPELIMRSLPLILFLSLGSFHLAAAAVDDQFTFDGFAGVNLTLDGTAVVTPGGLLMLTNGTTLLKGHAFYPSPLRFFHEATSGGGSSTVRSFSTAFVFGIVSEYADLSSPGLAFVVAKSRDFSSALQSQYMGLANARNNGNASNHFLAVELDTIVNAEFGDMSDNHVGIDVDGLASAAADDAGYHDDRTGAFVNMSLLSRAAARVWVDFDARTSLVNVTMAPLELPKPTTPLLSAAVNLSAVIEDEAYVGFSSSTGVVASRHYVLAWSFKMDGPAPSLNVSKLPALPVTIARAPSNVLKILLPIASAALVSALAIAVLVIHRRRRRYAELKEEWEVAFGPHRFSYKDLFRATNGFSDERLLGFGGFGRVYKGVLLVSRVEIAVKKVSHESRQGMKEFIAEVVSIGQLRHRNLVQLLGYCRQKGELLLVYDYMPNGSLDKYLYAENSKILSWAQRFRIIKGIASSILYLHEDWEQVVLHRDIKASNVLLDAEMNCRLGDFGLARLYDRGTDPHTTHVVGTIGYLAPELGHTGRPSKASDIFAFGVFMLEVTCGRRPVLQDTNGGQLLLVDMVLEHWRQGTVTDAVDPRLQGDFAVEEASLVLKLCLLCSHPLPSARPGIRQVVQLLDGAMPLPELSQAHLSCNMLALMQNQMGNSCSVASSVAGNISDIPRAR |
| **MIK2** | **M**NKTNPERKISLTSFKERMACKEKPRDLQVLLIISIVLSCSFAVSATVEEANALLKWKSTFTNQTSSSKLSSWVNPNTSSFCTSWYGVACSLGSIIRLNLTNTGIEGTFEDFPFSSLPNLTFVDLSMNRFSGTISPLWGRFSKLEYFDLSINQLVGEIPPELGDLSNLDTLHLVENKLNGSIPSEIGRLTKVTEIAIYDNLLTGPIPSSFGNLTKLVNLYLFINSLSGSIPSEIGNLPNLRELCLDRNNLTGKIPSSFGNLKNVTLLNMFENQLSGEIPPEIGNMTALDTLSLHTNKLTGPIPSTLGNIKTLAVLHLYLNQLNGSIPPELGEMESMIDLEISENKLTGPVPDSFGKLTALEWLFLRDNQLSGPIPPGIANSTELTVLQLDTNNFTGFLPDTICRGGKLENLTLDDNHFEGPVPKSLRDCKSLIRVRFKGNSFSGDISEAFGVYPTLNFIDLSNNNFHGQLSANWEQSQKLVAFILSNNSITGAIPPEIWNMTQLSQLDLSSNRITGELPESISNINRISKLQLNGNRLSGKIPSGIRLLTNLEYLDLSSNRFSSEIPPTLNNLPRLYYMNLSRNDLDQTIPEGLTKLSQLQMLDLSYNQLDGEISSQFRSLQNLERLDLSHNNLSGQIPPSFKDMLALTHVDVSHNNLQGPIPDNAAFRNAPPDAFEGNKDLCGSVNTTQGLKPCSITSSKKSHKDRNLIIYILVPIIGAIIILSVCAGIFICFRKRTKQIEEHTDSESGGETLSIFSFDGKVRYQEIIKATGEFDPKYLIGTGGHGKVYKAKLPNAIMSupplementary Table 1 continuesAVKKLNETTDSSISNPSTKQEFLNEIRALTEIRHRNVVKLFGFCSHRRNTFLVYEYMERGSLRKVLENDDEAKKLDWGKRINVVKGVAHALSYMHHDRSPAIVHRDISSGNILLGEDYEAKISDFGTAKLLKPDSSNWSAVAGTYGYVAPELAYAMKVTEKCDVYSFGVLTLEVIKGEHPGDLVSTLSSSPPDATLSLKSISDHRLPEPTPEIKEEVLEILKVALLCLHSDPQARPTMLSISTAFS |
| **SlWAK1** | **M**QHYQVALFSFQLPCFMLILTLATAQIIPSNTTSPPTNSTSPPTNATAPAPSPTNTITKAANITKPGCPKQCGNVTVPYPFGIGSGCALDPMFEIDCNVTTPFIGNIQIYDISDAEMRISNFINTKCYSQTGVLIQDIPSWITLGTKSPYTFSTLNRFIVVGCDDGAIVSGNNFANGCPSLCTSTNDIVKGKCMGFGCCQITIPKGLKFFNTTMVTTRNHSLIWSFNPCGHSFLGEASRFEFQGIEDLSDVNFANKIRNNVPIVLDWAIGNLSCVEARKSNDYACLNNSQCVDSDTSLGGYRCSCNSGYIGNPYIGSGCQDIDECADPNTNSCEKICTNIPGSYNCSCPEGYTGDGRKNGRGCIAPNSNSEFPWIKFSVGMGVGFMSLVIGTTWLYFFIKKRKLIKLREKFFQQNGGLLMKQRMSSNEGGVEATKIFTAAELKKATNNYASDRILGRGGNGIVYKGILSDNRIVAIKKSKFMDEEQVEQFINEVLILTQVNHRNVVRLFGCCLEAEVPLLVYEYISHGTLYEHIHNRNGAPWLSWENRLRVASETASALAYLHSSAQMPIIHRDVKSANLLLDDVYIAKVADFGASRLIPIDQTHLATMVQGTLGYLDPEYFRTSQLTEKSDVYSFGVVLAELLTGMKPISKDRNEEEKNLAEYFVLSMRRNQLFQILDRRVVREGSLEQLQKVAELVKSCLSLHGEDRPTMKEVASELENLRKFTKNNPWANGNGHEENEDELSDLYTIPIESNTDIDNFSGQYSSNSYTNSSNFSGQYSSGSTSNTNSPLMKNRRAI |
| **PnLRR-RLK2** | **M**AHLKFCVAVLLLLFFSPLGTEAQNLTTLYLSSQLDALQGLWAEWNKSTPNTDSNLAGWNSTQEYPCSQGYTVFQPNWRGVQCMLDEYNCNDTTGNRTYECNDYIIGLTLNNASITGNLPAVIGNISTLVTLELTGNPELTGPLPQEIQLASIYTLDLHDNAFNGILPDLPELVTILNVDLSGNEFVGEFHSQIQKWIYLQTLNLARNHFNGSIPTNAFENMTQLVSLDLSANSLTGPLPNLAMCQNLQSLVMSNNSFNGSLPDLKMLTNLYTLKLAYNNLTGNFPLSSFVNTSVDNTLSVLDLSGNQLTGSVTDWNGSDLGFLEELYLDNTGISGTLDITKLIAGGLVQTKLMNASGGLRSLSMMNNDITNVIYAEGSIENITTLLRLQGNPYCQKDADDGTRCFCEQYCKNQGSMSNKKVVLIASVTSTISVLFVIAIVVAAVLYRAQRYKRYLLLQVQQKFEEFDVKPTIFSYNELRVATRDFHVEPDMKLGEGGYGAVYKGIFPNKSMVAVKQLFVKNTKGTDDFLNEVVLITGMKHRNLMNMKGCCLREDQRLLVYEYVDNYDIDQILLRGEHKTSLSWVVRHNICLGVARGLHYLHALASPRIIHRDIKASNILLDHNFEPKIADFGLALLFPDEKSHIMTMHVAGTKGYLAPEYASLGQLSEKVDVFSFGILVLEILSGRQNIDETKPLDEVYLSKWAWKLHGEGKLMDLVDPTLSLQDNEKTEMQRLINIALLCAQNEAEQRPTMAKVVAILQKDTESEVVVLTSGKTQPQFDTMRLLAFGNNSELTTVKEEDDEPLSSFNARSPKPASSSSSSGHDLTTKSVLKLSEIRAR |