**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**FSFLILQVSEVFQVVIAAVVSIVFLVLAGLTLAGSATALTITTPLFIIFSPILVPATIATAVITTGLTAG  GALGTMAAASLLSLRRRFGRRRFGGLRRFGGGRRFGGRFGKPGGGGLGGGGLPGGLGGLGGGGL  PGGLGGLGGGENPLAKISKMFGPGAAGAASGDAPPAETAPAAGAAPAAGAEPAAPPTW |
| **SIT1** | **M**RRPELIMRSLPLILFLSLGSFHLAAAAVDDQFTFDGFAGVNLTLDGTAVVTPGGLLML  TNGTTLLKGHAFYPSPLRFFHEATSGGGSSTVRSFSTAFVFGIVSEYADLSSPGLAFVVA  KSRDFSSALQSQYMGLANARNNGNASNHFLAVELDTIVNAEFGDMSDNHVGIDVDGL  ASAAADDAGYHDDRTGAFVNMSLLSRAAARVWVDFDARTSLVNVTMAPLELPKPTT  PLLSAAVNLSAVIEDEAYVGFSSSTGVVASRHYVLAWSFKMDGPAPSLNVSKLPALPV  TIARAPSNVLKILLPIASAALVSALAIAVLVIHRRRRRYAELKEEWEVAFGPHRFSYKDL  FRATNGFSDERLLGFGGFGRVYKGVLLVSRVEIAVKKVSHESRQGMKEFIAEVVSIGQ  LRHRNLVQLLGYCRQKGELLLVYDYMPNGSLDKYLYAENSKILSWAQRFRIIKGIASSI  LYLHEDWEQVVLHRDIKASNVLLDAEMNCRLGDFGLARLYDRGTDPHTTHVVGTIG  YLAPELGHTGRPSKASDIFAFGVFMLEVTCGRRPVLQDTNGGQLLLVDMVLEHWRQ  GTVTDAVDPRLQGDFAVEEASLVLKLCLLCSHPLPSARPGIRQVVQLLDGAMPLPEL  SQAHLSCNMLALMQNQMGNSCSVASSVAGNISDIPRAR |
| **MIK2** | **M**NKTNPERKISLTSFKERMACKEKPRDLQVLLIISIVLSCSFAVSATVEEANALLKWKSTFTNQTSSSKLSS  WVNPNTSSFCTSWYGVACSLGSIIRLNLTNTGIEGTFEDFPFSSLPNLTFVDLSMNRFSGTISPLWGRFSK  LEYFDLSINQLVGEIPPELGDLSNLDTLHLVENKLNGSIPSEIGRLTKVTEIAIYDNLLTGPIPSSFGNLTKLV  NLYLFINSLSGSIPSEIGNLPNLRELCLDRNNLTGKIPSSFGNLKNVTLLNMFENQLSGEIPPEIGNMTALDT  LSLHTNKLTGPIPSTLGNIKTLAVLHLYLNQLNGSIPPELGEMESMIDLEISENKLTGPVPDSFGKLTALEWL  FLRDNQLSGPIPPGIANSTELTVLQLDTNNFTGFLPDTICRGGKLENLTLDDNHFEGPVPKSLRDCKSLIRV  RFKGNSFSGDISEAFGVYPTLNFIDLSNNNFHGQLSANWEQSQKLVAFILSNNSITGAIPPEIWNMTQLSQ  LDLSSNRITGELPESISNINRISKLQLNGNRLSGKIPSGIRLLTNLEYLDLSSNRFSSEIPPTLNNLPRLYYMN  LSRNDLDQTIPEGLTKLSQLQMLDLSYNQLDGEISSQFRSLQNLERLDLSHNNLSGQIPPSFKDMLALTHVD  VSHNNLQGPIPDNAAFRNAPPDAFEGNKDLCGSVNTTQGLKPCSITSSKKSHKDRNLIIYILVPIIGAIIILSV  CAGIFICFRKRTKQIEEHTDSESGGETLSIFSFDGKVRYQEIIKATGEFDPKYLIGTGGHGKVYKAKLPNAIM  Supplementary Table 1 continues  AVKKLNETTDSSISNPSTKQEFLNEIRALTEIRHRNVVKLFGFCSHRRNTFLVYEYMERGSLRKVLENDDEA  KKLDWGKRINVVKGVAHALSYMHHDRSPAIVHRDISSGNILLGEDYEAKISDFGTAKLLKPDSSNWS  AVAGTYGYVAPELAYAMKVTEKCDVYSFGVLTLEVIKGEHPGDLVSTLSSSPPDATLSLKSISDHRLPEP  TPEIKEEVLEILKVALLCLHSDPQARPTMLSISTAFS |
| **SlWAK1** | **M**QHYQVALFSFQLPCFMLILTLATAQIIPSNTTSPPTNSTSPPTNATAPAPSPTNTITKAANITKPGCPKQCGNV  TVPYPFGIGSGCALDPMFEIDCNVTTPFIGNIQIYDISDAEMRISNFINTKCYSQTGVLIQDIPSWITLGTKSPYT  FSTLNRFIVVGCDDGAIVSGNNFANGCPSLCTSTNDIVKGKCMGFGCCQITIPKGLKFFNTTMVTTRNHSLIWS  FNPCGHSFLGEASRFEFQGIEDLSDVNFANKIRNNVPIVLDWAIGNLSCVEARKSNDYACLNNSQCVDSDTSLG  GYRCSCNSGYIGNPYIGSGCQDIDECADPNTNSCEKICTNIPGSYNCSCPEGYTGDGRKNGRGCIAPNSNSEFP  WIKFSVGMGVGFMSLVIGTTWLYFFIKKRKLIKLREKFFQQNGGLLMKQRMSSNEGGVEATKIFTAAELKKATNN  YASDRILGRGGNGIVYKGILSDNRIVAIKKSKFMDEEQVEQFINEVLILTQVNHRNVVRLFGCCLEAEVPLLVYEYI  SHGTLYEHIHNRNGAPWLSWENRLRVASETASALAYLHSSAQMPIIHRDVKSANLLLDDVYIAKVADFGASRLIP  IDQTHLATMVQGTLGYLDPEYFRTSQLTEKSDVYSFGVVLAELLTGMKPISKDRNEEEKNLAEYFVLSMRRNQLF  QILDRRVVREGSLEQLQKVAELVKSCLSLHGEDRPTMKEVASELENLRKFTKNNPWANGNGHEENEDELSDLY  TIPIESNTDIDNFSGQYSSNSYTNSSNFSGQYSSGSTSNTNSPLMKNRRAI |
| **PnLRR-RLK2** | **M**AHLKFCVAVLLLLFFSPLGTEAQNLTTLYLSSQLDALQGLWAEWNKSTPNTDSNLAGWNSTQEYPCSQGYTVF  QPNWRGVQCMLDEYNCNDTTGNRTYECNDYIIGLTLNNASITGNLPAVIGNISTLVTLELTGNPELTGPLPQEIQL  ASIYTLDLHDNAFNGILPDLPELVTILNVDLSGNEFVGEFHSQIQKWIYLQTLNLARNHFNGSIPTNAFENMTQLV  SLDLSANSLTGPLPNLAMCQNLQSLVMSNNSFNGSLPDLKMLTNLYTLKLAYNNLTGNFPLSSFVNTSVDNTLSVL  DLSGNQLTGSVTDWNGSDLGFLEELYLDNTGISGTLDITKLIAGGLVQTKLMNASGGLRSLSMMNNDITNVIYA  EGSIENITTLLRLQGNPYCQKDADDGTRCFCEQYCKNQGSMSNKKVVLIASVTSTISVLFVIAIVVAAVLYRAQRYK  RYLLLQVQQKFEEFDVKPTIFSYNELRVATRDFHVEPDMKLGEGGYGAVYKGIFPNKSMVAVKQLFVKNTKGTDD  FLNEVVLITGMKHRNLMNMKGCCLREDQRLLVYEYVDNYDIDQILLRGEHKTSLSWVVRHNICLGVARGLHYLH  ALASPRIIHRDIKASNILLDHNFEPKIADFGLALLFPDEKSHIMTMHVAGTKGYLAPEYASLGQLSEKVDVFSFGILV  LEILSGRQNIDETKPLDEVYLSKWAWKLHGEGKLMDLVDPTLSLQDNEKTEMQRLINIALLCAQNEAEQRPTMAK  VVAILQKDTESEVVVLTSGKTQPQFDTMRLLAFGNNSELTTVKEEDDEPLSSFNARSPKPASSSSSSGHDLTTKSVL  KLSEIRAR |