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Supporting information for article:

Structure of the OsSERK2 leucine-rich repeat extracellular domain

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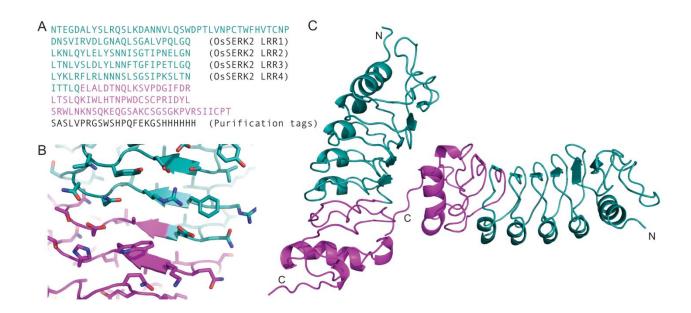


Figure S1 A) Amino acid sequence of the OsSERK2 VLR fusion. The sequence from OsSERK2 is shown in teal. The sequence from VLR is shown in magenta. B) The juncture between OsSERK2 and VLR is in the β -strand of the fifth OsSERK2 LRR. C) There are two OsSERK2-VLR molecules in the asymmetric unit.

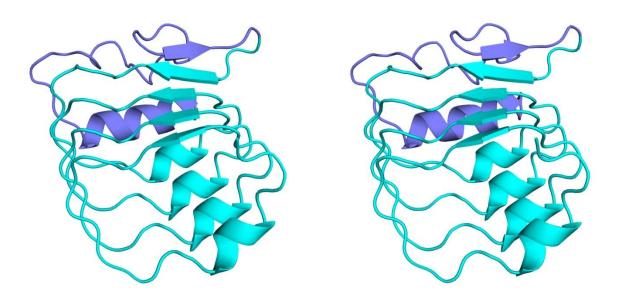


Figure S2 The OsSERK2 portion of the structure is shown in stereo. LRRNT is shown in dark blue. The LRRs are twisted relative to each other as seen in other plant LRRs such as BRI1 (3RGX) and TMK1 (4HQ1).

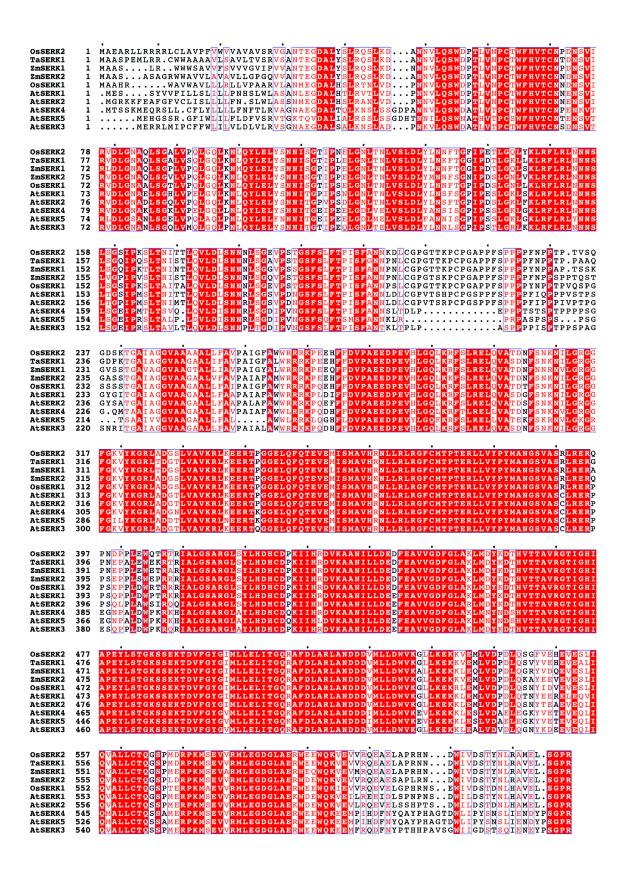


Figure S3 Alignment of a set of diverse SERK sequences. The accession numbers for the sequences are as follows: OsSERK1 (NP_001061108), OsSERK2 (NP_001052975), AtSERK1(AEE35238), AtSERK2 (AEE31686), AtSERK3 (Q94F62), AtSERK4 (AEC06259), and AtSERK5 (NP_179000), TaSERK1 (AEP14551), ZmSERK1 (NP_001105132), ZmSERK2 (NP_001105133). The figure was generated using ClustalW and ESPript (Thompson *et al.*, 1994, Gouet *et al.*, 1999).