

	PDB code	Protein	Function
1	1E20	Flavin mononucleotide binding protein HAL3 from <i>Arabidopsis</i>	Response to stress, salt tolerance
2	2GNW	Non-symbiotic plant hemoglobin from rice, B10mutant F40W	Oxygen storage / transport
3	1OGQ	PGIP (polygalacturonase inhibiting protein), a leucine rich repeat protein involved in plant defense (source: <i>Phaseolus vulgaris</i>)	Antifungal / defense
4	2VC3	Ricin A-chain (recombinant). Toxic to mammalian cells	Plant defense, protein synthesis inhibitor
5	2IDV	Eukaryotic translation initiation factor-4E from wheat	Translation regulator
6	2IWA	Papaya glutamine cyclotransferase (5-fold β -propeller)	Transferase
7	1GQ8	Pectin methylesterase from carrot	Esterase
8	3IE5	Hyp-1 protein from <i>Hypericum perforatum</i> (St John's wort) involved in hypericin biosynthesis	Biosynthesis of natural products
9	3CHM	PCI domain from <i>A. thaliana</i> COP9 signalosome subunit 7	Signaling
10	3ULT	Ice-binding protein from the perennial ryegrass <i>Lolium perenne</i>	Antifreeze protein
11	2BT9	Lectin from <i>Rasltonia solanacearum</i> complexed with Me-fucoside	(Bacterium lethal in agricultural crops)
12	4RI2	Photoprotective protein PsbS from spinach (Nature 2015)	Photoprotection in plants
13	3HIT	Saporin-L1 (<i>Saponaria</i>) in complex with dinucleotide inhibitor	Ribosome inactivating protein (toxin)
14	2R2X	Ricin A-chain complex with urea (<i>Ricinus communis</i>)	Plant toxin with no available antidote
15	2JJR	Thichosanthin (<i>Trichosantes kirilowii</i>)	Ribosome inactivating protein (toxin)
16	1FM7	Chalcone isomerase complexed with 5-deoxyflavanone	Catalyzes bi- \rightarrow tri- flavanone cyclization
17	2J1P	Geranylgeranyl diphosphate synthase from <i>Synapsis alba</i> in complex with GGPP	Terpene synthesis
18	4NAO	Cyclolization of D-lysergic acid peptides	Ribosome inactivating protein (toxin)
19	1AVB	Arcelin-1 from <i>Phaseolus vulgaris</i>	Plant defense, insecticide
20	4JHH	<i>Medicago truncatula</i> nodulin 13 in complex with kinetin	Nodulation (leguminous-rhizobia)