

Molecular characterization of stress-inducible *PLATZ* gene from soybean (*Glycine max* L.)**Eunsook Chung, Kyoung-Mi Kim, Jai-Heon Lee***

Supplementary Data Table S1. Tissue RNA expression level of Arabidopsis *PLATZ* genes (At4g17900, At1g32700) using Arabidopsis expression database AtGenExpression Visualization Tool (AVT).

Tissue	Expression level (At4g17900)	Expression level (At1g32700)
Root, 7 days	469.3	888.91
Root, 21 days	940.36	1476.77
Hypocotyl, 7days	582.06	391.23
1 st node, 21 days	225.7	699.27
2 nd internode, 21 days	489.96	1237.08
Cotyledons, 7 days	499.15	855.48
Leaf, 15 days	279.85	598.44
Senescing leaf, 35 days	585.91	1880.17
Shoot apex, 7days	152.63	109.25
Flower, 28 days	71.5	242.07
Seeds, 8 weeks	144.98	1817.14

Supplementary Data Table S2. RNA expression level of Arabidopsis *PLATZ* gene (At4g17900) under different stress conditions using Arabidopsis expression database AVT.

Tissue	Expression level (At4g17900)	Tissue	Expression level (At4g17900)	Tissue	Expression level (At4g17900)
Control Shoot 0 Hour	355.43	Control Shoot After 1 Hour	144.3984	Control Shoot After 12 Hours	192.66
Cold Shoot 0 Hour	355.43	Cold Shoot After 1 Hour	406.95	Cold Shoot After 12 Hours	86.38
Osmotic Shoot 0 Hour	355.43	Osmotic Shoot After 1 Hour	388.79	Osmotic Shoot After 12 Hours	304.47
Salt Shoot 0 Hour	355.43	Salt Shoot After 1 Hour	232.45	Salt Shoot After 12 Hours	186.05
Drought Shoot 0 Hour	355.43	Drought Shoot After 1 Hour	325.39	Drought Shoot After 12 Hours	279.78
Genotoxic Shoot 0 Hour	355.43	Genotoxic Shoot After 1 Hour	125.15	Genotoxic Shoot After 12 Hours	249.61
Oxidative Shoot 0 Hour	355.43	Oxidative Shoot After 1 Hour	116.15	Oxidative Shoot After 12 Hours	339.17
UV-B Shoot 0 Hour	355.43	UV-B Shoot After 1 Hour	411.93	UV-B Shoot After 12 Hours	221.98
Wounding Shoot 0 Hour	355.43	Wounding Shoot After 1 Hour	182.19	Wounding Shoot After 12 Hours	236.89
Heat Shoot 0 Hour	355.43	Heat Shoot After 1 Hour	289.07	Heat Shoot After 12 Hours	271.91
Control Root 0 Hour	488.39	Control Root After 1 Hour	464.64	Control Root After 12 Hours	298.25
Cold Root 0 Hour	488.39	Cold Root After 1 Hour	631.15	Cold Root After 12 Hours	1335.29
Osmotic Root 0 Hour	488.39	Osmotic Root After 1 Hour	811.51	Osmotic Root After 12 Hours	867.14
Salt Root 0 Hour	488.39	Salt Root After 1 Hour	1112.31	Salt Root After 12 Hours	1652.97
Drought Root 0 Hour	488.39	Drought Root After 1 Hour	780.67	Drought Root After 12 Hours	487.19
Genotoxic Root 0 Hour	488.39	Genotoxic Root After 1 Hour	604.93	Genotoxic Root After 12 Hours	618.05
Oxidative Root 0 Hour	488.39	Oxidative Root After 1 Hour	561.07	Oxidative Root After 12 Hours	661.26
UV-B Root 0 Hour	488.39	UV-B Root After 1 Hour	502.45	UV-B Root After 12 Hours	470.93
Wounding Root 0 Hour	488.39	Wounding Root After 1 Hour	596.28	Wounding Root After 12 Hours	627.33
Heat Root 0 Hour	488.39	Heat Root After 1 Hour	894.71	Heat Root After 12 Hours	835.89

Supplementary Data Table S3. RNA expression level of Arabidopsis *PLATZ* gene (At1g32700) under different stress conditions using Arabidopsis expression database eFP browser (<http://bar.utoronto.ca/efp/cgi-bin/efpWeb.cgi>).

Tissue	Expression level (At1g32700)	Tissue	Expression level (At1g32700)	Tissue	Expression level (At1g32700)
Control Shoot 0 Hour	247.22	Control Shoot After 1 Hour	87.69	Control Shoot After 12 Hours	94.16
Cold Shoot 0 Hour	247.22	Cold Shoot After 1 Hour	252.02	Cold Shoot After 12 Hours	42.83
Osmotic Shoot 0 Hour	247.22	Osmotic Shoot After 1 Hour	108.21	Osmotic Shoot After 12 Hours	185.2
Salt Shoot 0 Hour	247.22	Salt Shoot After 1 Hour	150.15	Salt Shoot After 12 Hours	88.67
Drought Shoot 0 Hour	247.22	Drought Shoot After 1 Hour	153.56	Drought Shoot After 12 Hours	128.44
Genotoxic Shoot 0 Hour	247.22	Genotoxic Shoot After 1 Hour	103.84	Genotoxic Shoot After 12 Hours	132.18
Oxidative Shoot 0 Hour	247.22	Oxidative Shoot After 1 Hour	72.37	Oxidative Shoot After 12 Hours	134.12
UV-B Shoot 0 Hour	247.22	UV-B Shoot After 1 Hour	100.2	UV-B Shoot After 12 Hours	104.69
Wounding Shoot 0 Hour	247.22	Wounding Shoot After 1 Hour	164.69	Wounding Shoot After 12 Hours	131.69
Heat Shoot 0 Hour	247.22	Heat Shoot After 1 Hour	169.07	Heat Shoot After 12 Hours	125.51
Control Root 0 Hour	399.87	Control Root After 1 Hour	464.64	Control Root After 12 Hours	298.25
Cold Root 0 Hour	399.87	Cold Root After 1 Hour	477.04	Cold Root After 12 Hours	134.16
Osmotic Root 0 Hour	399.87	Osmotic Root After 1 Hour	397.67	Osmotic Root After 12 Hours	653.13
Salt Root 0 Hour	399.87	Salt Root After 1 Hour	397.38	Salt Root After 12 Hours	591.76
Drought Root 0 Hour	399.87	Drought Root After 1 Hour	415.91	Drought Root After 12 Hours	218.42
Genotoxic Root 0 Hour	399.87	Genotoxic Root After 1 Hour	406.51	Genotoxic Root After 12 Hours	294.64
Oxidative Root 0 Hour	399.87	Oxidative Root After 1 Hour	450.65	Oxidative Root After 12 Hours	392.9
UV-B Root 0 Hour	399.87	UV-B Root After 1 Hour	261.7	UV-B Root After 12 Hours	311
Wounding Root 0 Hour	399.87	Wounding Root After 1 Hour	524.14	Wounding Root After 12 Hours	370.12
Heat Root 0 Hour	399.87	Heat Root After 1 Hour	610.24	Heat Root After 12 Hours	678.3