

Supplementary Fig 1. Phylogenetic tree of the *ZoAQP* protein. Different colored circles represent different type of *ZoAQP*.

0.57	0.80	0.14	0.31	ZoPIP1;1	409.75	350.01	71.18	502.06	ZoTIP1;1
620.05	938.39	157.05	763.92	ZoPIP1;2	8.30	9.19	0.07	0.87	ZoTIP1;2
5.48	8.03	3.38	22.16	ZoPIP1;3	58.48	75.60	3.43	12.73	ZoTIP1;3
1447.90	1657.41	247.82	694.98	ZoPIP1;4	623.26	584.14	14.02	112.47	ZoTIP2;1
251.75	279.09	22.76	39.39	ZoPIP1;5	367.87	608.38	499.35	1467.66	ZoTIP2;2
47.17	45.24	56.50	117.84	ZoPIP2;1	670.21	758.78	42.85	161.99	ZoTIP2;3
502.25	608.39	93.99	595.90	ZoPIP2;2	0.03	0.00	0.00	0.00	ZoTIP3;1
13.68	25.72	47.42	38.81	ZoPIP2;3	0.00	0.01	8.79	6.37	ZoTIP3;2
184.85	229.92	43.31	168.73	ZoPIP2;4	1.56	1.06	1.00	1.27	ZoTIP3;3
35.14	14.60	0.99	7.87	ZoPIP2;5	9.73	8.98	2.86	4.99	ZoTIP3;4
933.55	917.07	165.80	313.95	ZoPIP2;6	43.38	67.58	5.28	8.87	ZoTIP4;1
99.46	104.26	27.79	52.07	ZoPIP2;7	27.34	41.69	2.01	2.13	ZoTIP4;2
374.88	432.67	46.61	99.07	ZoPIP2;8	21.17	25.72	26.24	21.33	ZoTIP4;3
9.75	13.56	0.67	2.79	ZoNIP1;1	2.17	1.33	0.22	0.36	ZoTIP4;4
8.98	9.09	0.93	1.65	ZoNIP1;2	0.43	0.15	0.00	0.00	ZoTIP4;5
1.24	1.17	0.00	0.03	ZoNIP2;1	0.00	0.00	0.11	0.00	ZoTIP5
4.33	3.95	0.02	0.00	ZoNIP2;2	0.00	0.00	0.00	0.00	ZoSIP1;1
3.17	2.69	0.05	0.16	ZoNIP2;3	0.00	0.00	0.00	0.00	ZoSIP1;2
4.81	0.95	0.02	0.03	ZoNIP2;4	14.39	16.89	36.09	20.40	ZoSIP1;3
4.76	7.52	0.00	1.44	ZoNIP2;5	0.00	0.00	0.00	0.00	ZoSIP1;4
0.00	0.42	0.02	0.35	ZoNIP2;6	14.99	16.26	16.93	16.11	ZoSIP1;5
33.28	39.02	14.33	24.24	ZoNIP2;7	50.19	59.19	25.34	34.21	ZoSIP1;6
92.46	59.36	87.96	134.61	ZoNIP3;1	25.72	32.98	7.05	9.07	ZoSIP2
35.39	27.74	10.07	14.65	ZoNIP3;2	СК	SiNP200	WL S	SiNP200+	WL
58.37	63.73	3.21	7.26	ZoNIP3;3					

800 -700 -600 -500 -400 -300 -200 -100 0

CK SiNP200 WL SiNP200+WL

Supplementary Fig 2. Expression patterns of *ZoAQP* abiotic stress treatments. The values of transcripts Per Kilobase of exon model per Million mapped reads were used to draw the heatmap.