

Supplemental Table S3 Quality evaluation of total RNA in different tissues, under different hormone treatments and different abiotic stress treatments of *P. hunanense*.

Groups	No.	Mass concentration (mg/L)	A ₂₆₀ /A ₂₈₀	RIN
Root	Ro 1	590.0	2.08	9.8
	Ro 2	101.0	2.14	7.4
	Ro 3	155.0	2.14	7.2
Stem	St 1	1054.0	2.11	7.4
	St 2	394.0	2.07	9.8
	St 3	327.0	1.99	8.2
Leaf	Le 1	4960.0	2.18	9.8
	Le 2	1087.0	2.10	9.8
	Le 3	2173.0	2.14	9.8
Flower	Fl 1	2199.0	2.16	9.9
	Fl 2	597.0	2.05	9.8
	Fl 3	660.0	2.06	9.8
Rhizome	Rh 1	381.0	2.09	8.6
	Rh 2	190.0	2.15	9.6
	Rh 3	103.0	2.13	9.4
Bud	Bu 1	1632.0	2.14	9.8
	Bu 2	332.0	2.16	8.6
	Bu 3	380.0	2.16	8.4
H ₂ O	H ₂ O 1-1	101.3	1.99	8.1
	H ₂ O 1-2	186.4	2.00	9.7
	H ₂ O 1-3	187.6	1.99	9.7
	H ₂ O 24-1	2902.0	1.91	8.2
	H ₂ O 24-2	226.1	2.05	8.4
	H ₂ O 24-3	227.1	2.04	8.3
GA ₃	GA ₃ 1-1	202.4	1.99	8.4
	GA ₃ 1-2	178.5	1.99	8.4
	GA ₃ 1-3	207.3	2.00	8.4
	GA ₃ 24-1	288.9	2.03	8.5
	GA ₃ 24-2	218.5	2.00	8.4
	GA ₃ 24-3	196.7	2.00	8.6
ABA	ABA 1-1	237.5	2.05	8.4
	ABA 1-2	341.3	1.96	8.5
	ABA 1-3	222.5	2.02	8.9
	ABA 24-1	195.7	2.01	8.3
	ABA 24-2	225.8	2.02	8.3
	ABA 24-3	217.2	2.02	9.8
GA ₃ +ABA	GA ₃ +ABA 1-1	209.7	2.05	8.8
	GA ₃ +ABA 1-2	179.1	2.04	8.5

Groups	No.	Mass concentration (mg/L)	A ₂₆₀ /A ₂₈₀	RIN
	GA ₃ +ABA 1-3	170.3	2.00	8.5
	GA ₃ +ABA 24-1	139.8	2.00	8.4
	GA ₃ +ABA 24-2	250.4	2.04	8.5
	GA ₃ +ABA 24-3	187.3	1.99	8.5
Blank control	B 1-1	159.8	1.98	-
	B 1-2	194.2	2.01	-
	B 1-3	218.8	1.92	-
High temperature	H 1-1	177.0	1.89	-
	H 1-2	258.6	1.95	-
	H 1-3	107.8	1.96	-
	H 24-1	420.0	1.91	-
	H 24-2	309.8	2.00	-
	H 24-3	260.3	2.01	-
Low temperature	L 1-1	116.8	1.99	-
	L 1-2	1710.0	1.96	-
	L 1-3	143.6	1.98	-
	L 24-1	185.7	1.90	-
	L 24-2	203.2	1.96	-
	L 24-3	158.7	1.98	-
Drought	D 1-1	194.1	1.95	-
	D 1-2	127.0	1.93	-
	D 1-3	97.9	1.87	-
	D 24-1	147.9	2.00	-
	D 24-2	116.5	1.96	-
	D 24-3	163.0	2.02	-
salinity	S 1-1	174.5	1.98	-
	S 1-2	188.0	1.96	-
	S 1-3	215.7	1.99	-
	S 24-1	144.0	1.98	-
	S 24-2	102.6	2.00	-
	S 24-3	153.5	1.95	-
Heavy metals	M 1-1	178.5	1.93	-
	M 1-2	188.0	1.96	-
	M 1-3	493.7	1.95	-
	M 24-1	126.4	1.98	-
	M 24-2	126.7	1.90	-
	M 24-3	121.8	2.01	-