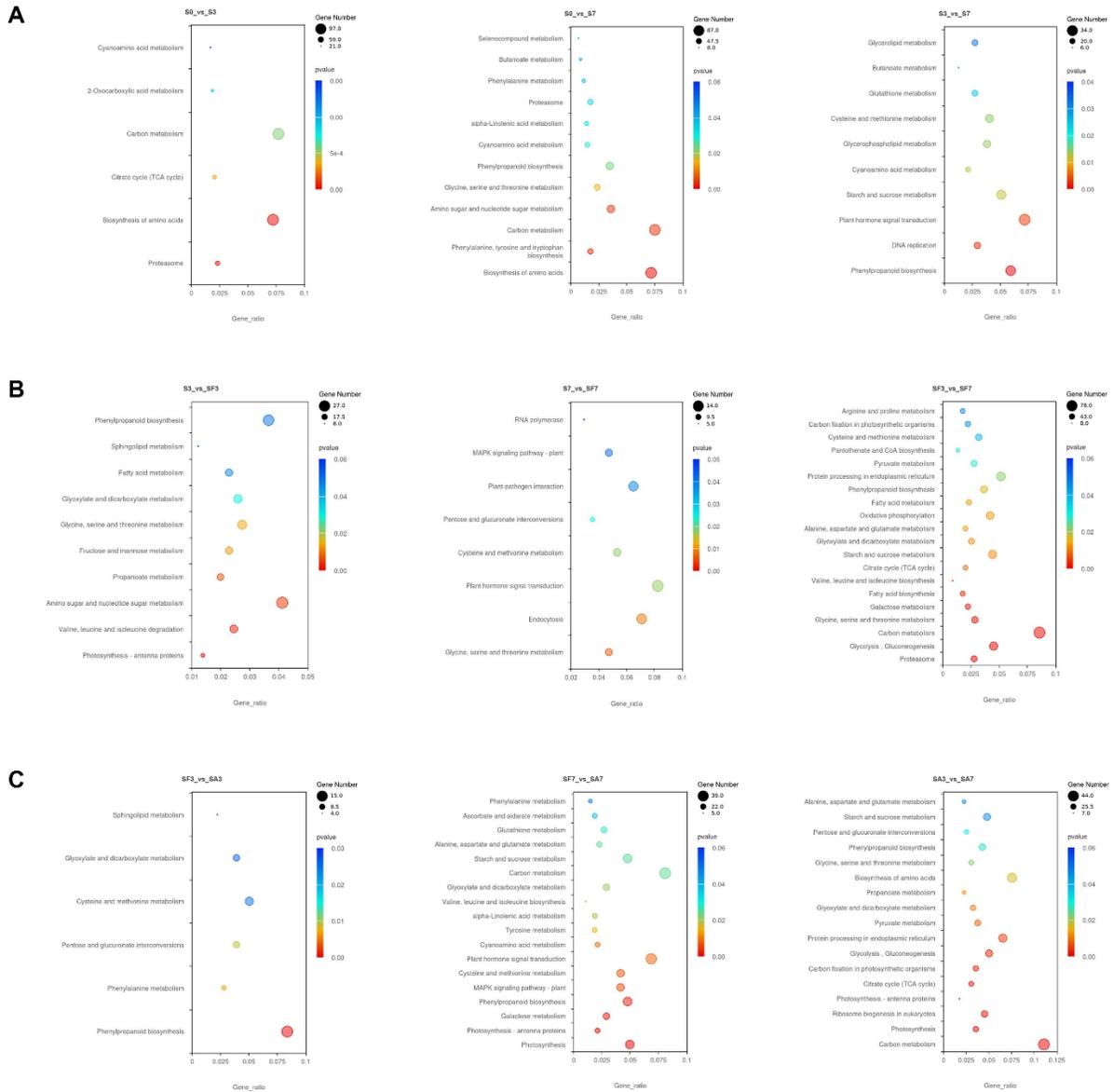
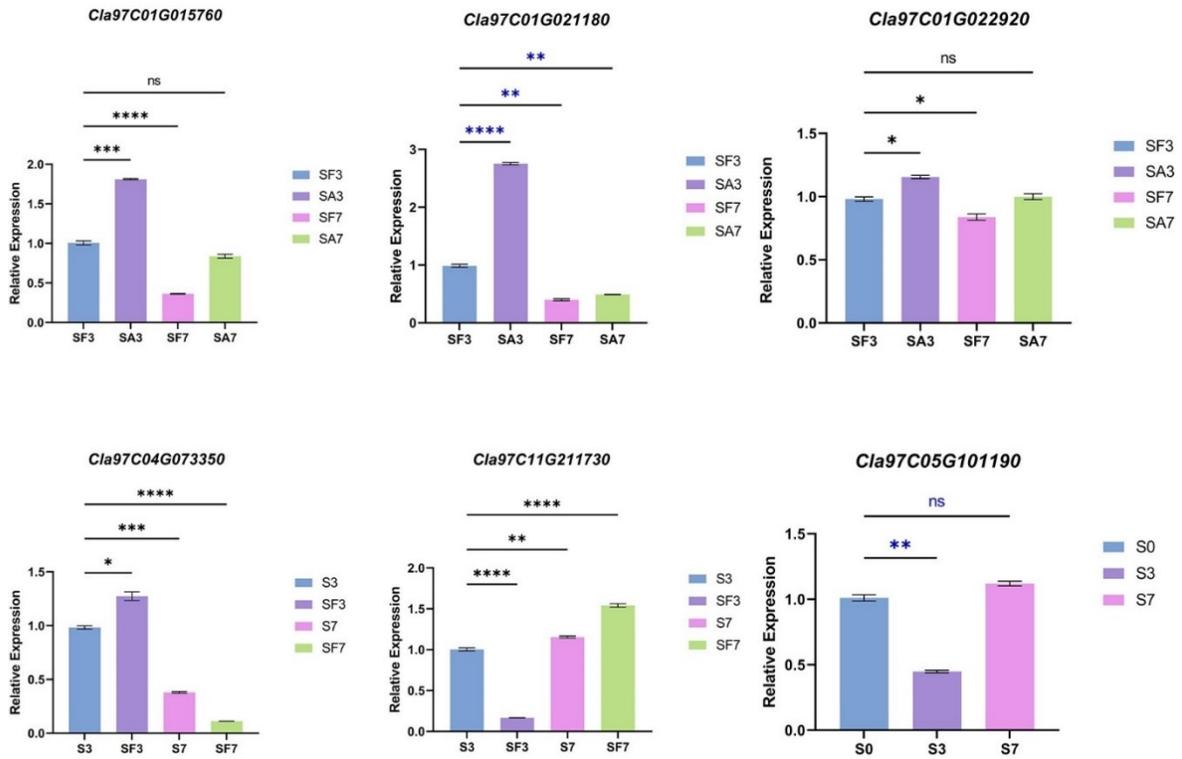


Supplement Fig 2 Enriched GO terms with DEGs in S, SF and SA groups. (A) Enriched KEGG terms with DEGs in S group, S0_vs_S3, S0_vs_S7, S3_vs_S7; (B) Enriched KEGG terms with DEGs in SF group, S3_vs_SF3, S7_vs_SF7, SF3_vs_SF7; (C) Enriched KEGG terms with DEGs in SA group, SF3_vs_SA3, SF7_vs_SA7, SA3_vs_SA7.



Supplement Fig 3 Validation of selected DEGs with qRT-PCR. Bars are means of three replicates \pm SD. Asterisks (*) indicate the statistical significance of the difference between the experimental groups (SA3, SF7 and SA7; SF3, S7 and SF7; S3 and S7; respectively) and the control group (SF3; S3; S0; respectively). * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, **** $P < 0.0001$, ns = not significant.



Supplement Table 1 Primers used for qRT-PCR.

Gene	Predicted functions	Sense Primer	Anti-sense Primer
Cla97C04G074880	Reference, actin	CCCTTTATGCCAGTGGTCGT	TGGCGCAACCACCTTAATCT
Cla97C01G015760	Peroxidase 10, is a homolog of Arabidopsis IRR1	GAGGCTGTCTACCTTGCTGG	CCCAGTATTGGCCAGCTTCA
Cla97C11G211730	MYB 59, Transcription factor MYB59-like	GAAGGTGCATGGGGAAGGAA	TGGCTGCAGGCTCTGTAAAA
Cla97C01G021180	2OG-FeII_Oxy,1-aminocyclopropane-1-carboxylate oxidase 3, ethylene biosynthetic process, response to fungus	CGCCATGAAGCAGATCAACG	AGAAGAATGAGGCCACCAGC
Cla97C04G073350	Abscisic acid receptor, PYL4	ATGCCTCCCAATCCCCCTAA	CGGGAGGAATATCGACGACG
Cla97C01G022920	annotated Pollen Ole e 1 allergen/extension, homology to arabinogalactan protein 31, response to jasmonic acid (JA). AGP31	CCTCTCACCATCTCCCTCCA	TGATGAGGGCAAGTGGGTTC
Cla97C05G101190	MYB transcription factor - MYB44	CCGATTCTTCTCTCTCCGGC	CACTTCCCTCGCTACAACGT

Supplement Table 2 RNA-Seq stastics for 21 samples

sample	raw_reads	clean_reads	clean_bases	error_rate(%)	Q20(%)	Q30(%)	GC Content (%)	unique_map
S0_1	44539532	43990842	6.6G	0.02	98.43	95.31	43.82	41812545(95.05%)
S0_2	44018594	42271010	6.34G	0.03	97.44	93.19	44.18	39728845(93.99%)
S0_3	42837642	40961466	6.14G	0.03	97.4	93.14	44.42	38429811(93.82%)
S3_1	44528014	43789812	6.57G	0.02	98.4	95.26	43.54	41558211(94.9%)
S3_2	42831106	42068870	6.31G	0.02	98.39	95.2	43.46	39832269(94.68%)
S3_3	42048946	41174368	6.18G	0.02	98.44	95.42	43.4	38520046(93.55%)
SA3_1	45606084	44809642	6.72G	0.02	98.42	95.43	43.03	41769237(93.21%)
SA3_2	47534294	46590970	6.99G	0.02	98.39	95.31	43.42	43494070(93.35%)
SA3_3	52594444	51235296	7.69G	0.02	98.39	95.62	43.09	44958676(87.75%)
SF3_1	45342778	44425562	6.66G	0.02	98.5	95.5	43.52	41806664(94.1%)
SF3_2	43783404	42639364	6.4G	0.02	98.49	95.48	43.56	39056860(91.6%)
SF3_3	45886380	45278682	6.79G	0.02	98.32	95.14	43.27	42386969(93.61%)
S7_1	46340902	45827074	6.87G	0.02	98.28	94.98	43.41	42320670(92.35%)
S7_2	40062128	39713702	5.96G	0.02	98.4	95.26	43.8	37614990(94.72%)
S7_3	44374232	43847652	6.58G	0.02	98.41	95.35	43.22	41205004(93.97%)
SA7_1	44031604	43577394	6.54G	0.02	98.18	94.66	43.58	40733358(93.47%)
SA7_2	42565432	42008040	6.3G	0.02	98.36	95.32	43.36	38525481(91.71%)
SA7_3	42925002	42223802	6.33G	0.02	98.48	95.47	43.66	39545422(93.66%)
SF7_1	42753516	42282270	6.34G	0.02	98.31	95.1	43.89	39515519(93.46%)
SF7_2	49744126	49206570	7.38G	0.02	98.39	95.25	43.54	45995993(93.48%)

SF7_3 45134568 44562790 6.68G 0.02 98.34 95.22 43.79 41843481(93.9%)