Table S1 Classification of samples used for transcriptome analysis.

Sex phenotype of a tree	Groups	Samples
Gynoecious	G_F (gynoecy_female floral buds)	11F; 21F; 186F
Androecious	A_M (androecy_male floral buds)	13M; 65M; 188M
Monoecious	M_F (monoecy_female floral buds)	108M; 136M; 168M
	M_M (monoecy_male floral buds)	

Table S2. Nucleotide sequences of the primers used for RT-qPCR.

Primer	Sequence (5'-3')
DolMADS24-F	CTTCAAAGAAAGGAACATGC
DolMADS24-R	AGCCTACATCTTGTGCACTT
DolMADS33-F	TGGAAGAGGAAAGATTGAAA
DolMADS33-R	TGTTGTTGGCGTATTCATAA
DolMADS43-F	GGGGAGAGGAAAGATAGAGA
DolMADS43-R	CTTGAGCATCACAGAGAACA
DolWRKY64-F	CCCAGTGCCTGTAAAAGTAG
DolWRKY64-R	GCCTTCAGAACCAGTAGATG
DolNAC31-F	CCGAGGTTGATCTCTACAAG
DolNAC31-R	CTAGGGCTGAAAAAGTACCA
DolNAC57-F	CTCGGTCCTAATTTCAGATG
DolNAC57-R	TGCATGATCCAGTTTCATTA
DolSBP4-F	TCTGGATGTGCTCTCTCTCT
DolSBP4-R	CATCTCATGTGAACTGTTGC
DolSBP5-F	CAACAGTTCACATGAGATGC
DolSBP5-R	GATGTATTGCCTTCCACTGT
DolSBP7-F	ATTCCATCTTCTCTCGGAGT
DolSBP7-R	GTTGGGTTGATGATGAGACT
GAPDH-F	AGCTCTTCCACCTCTCCAGT
GAPDH-R	TGCTAGCTGCACAACCAACT

Table S3. Protein information for the MADS-box gene family in *D.oleifera.*

Gene Name	Gene ID	Chr.No.	Homologous gene in *Arabidopsis*	Subfamily	Amino acids sequence length(aa)	Molecular weight (kDa)	Isoelectric point
DolMADS1	evm.model.Chr3.1394	3	AT5G60440.1	Mα	231	25.04	9.64
DolMADS2	evm.model.Chr14.2006	14	AT5G60440.1	Mα	112	12.53	9.72
DolMADS3	evm.model.Chr14.2007	14	AT2G24840.1	Mα	242	26.83	9.80
DolMADS4	evm.model.Chr14.1182	14	AT5G60440.1	Mα	240	26.47	7.72
DolMADS5	evm.model.Chr12.1719	12	AT1G65360.1	Mα	96	10.50	11.11
DolMADS6	evm.model.Chr15.726	15	AT2G24840.1	Mα	227	25.73	8.85
DolMADS7	evm.model.Chr3.1391	3	AT5G60440.1	Mα	230	25.68	9.32
DolMADS8	evm.model.Chr14.2012	14	AT5G60440.1	Mα	218	24.17	10.00
DolMADS9	evm.model.Chr9.2464	9	AT2G24840.1	Mα	136	14.89	9.36
DolMADS10	evm.model.Chr10.636	10	AT2G24840.1	Mα	143	15.58	9.68
DolMADS11	evm.model.Chr8.780	8	AT2G24840.1	Mα	145	16.05	4.76
DolMADS12	evm.model.Chr6.296	6	AT4G09960.2	Mβ	81	9.04	6.33
DolMADS13	evm.model.Chr6.1753	6	AT5G48670.1	Mβ	283	31.89	9.56
DolMADS14	evm.model.Chr12.2056	12	AT5G55690.1	Mβ	320	36.80	6.93
DolMADS15	evm.model.Chr14.809	14	AT5G48670.1	Mβ	169	19.15	5.43
DolMADS16	evm.model.Chr2.1001	2	AT3G18650.1	Mγ	201	22.44	4.35
DolMADS17	evm.model.Chr4.494	4	AT1G60040.1	Mγ	187	21.29	5.55
DolMADS18	evm.model.Chr5.1634	5	AT5G06500.1	Mγ	117	13.58	9.66
DolMADS19	evm.model.Chr5.1635	5	AT1G65300.1	Mγ	186	20.85	8.99
DolMADS20	evm.model.Chr4.992	4	AT1G22130.1	Mδ	227	25.57	9.74
DolMADS21	evm.model.Chr15.1924	15	AT1G77980.1	Mδ	214	24.40	6.08
DolMADS22	evm.model.Chr7.1624	7	AT2G03060.2	Mδ	400	45.10	7.05
DolMADS23	evm.model.Chr12.550	12	AT1G18750.1	Mδ	272	31.27	8.97
DolMADS24	evm.model.Chr13.532	13	AT1G24260.1	SEP/AGL9	248	28.06	8.82
DolMADS25	evm.model.Chr12.442	12	AT5G15800.1	SEP/AGL9	250	28.50	9.06
DolMADS26	evm.model.Chr3.1740	3	AT2G45650.1	AGL6	253	28.67	9.05
DolMADS27	evm.model.Chr9.715	9	AT1G71692.1	AGL12	200	22.64	8.28
DolMADS28	evm.model.Chr15.285	15	AT2G45650.1	FLC	176	20.26	9.83
DolMADS29	evm.model.Chr6.829	5	AT2G03710.3	FLC	102	11.53	8.98
DolMADS30	evm.model.Chr4.1980	4	AT5G60910.1	FLC	176	19.87	9.77

DolMADS31	evm.model.Chr9.685	9	AT4G09960.2	AG	78	8.90	9.41
DolMADS32	evm.model.Chr9.1843	9	AT4G18960.1	AG	255	29.28	9.38
DolMADS33	evm.model.Chr8.50	8	AT3G58780.1	AG	241	27.66	9.55
DolMADS34	evm.model.Chr4.1089	4	AT4G37940.1	AGL17	220	25.33	9.22
DolMADS35	evm.model.Chr2.1616	2	AT3G57230.1	AGL17	245	28.56	9.40
DolMADS36	evm.model.Chr15.1537	15	AT4G37940.1	AGL17	115	13.10	9.59
DolMADS37	evm.model.Chr14.1022.1	14	AT2G45660.1	SOC1	303	34.96	9.42
DolMADS38	evm.model.Chr3.1741	3	AT2G45660.1	SOC1	205	23.48	8.93
DolMADS39	evm.model.Chr13.2134	13	AT2G45660.1	SOC1	220	25.00	8.58
DolMADS40	evm.model.Chr3.1025	3	AT2G45660.1	SOC1	213	24.14	9.05
DolMADS41	evm.model.Chr9.124	9	AT3G54340.1	AP3/PI	239	27.69	9.44
DolMADS42	evm.model.Chr2.1166	2	AT3G54340.1	AP3/PI	219	25.42	9.35
DolMADS43	evm.model.Chr4.1456	4	AT5G20240.1	AP3/PI	164	18.90	9.15
DolMADS44	evm.model.Chr14.625.2	14	AT5G13790.1	AGL15	250	28.54	5.61
DolMADS45	evm.model.Chr2.769_evm.model.Chr2.770	2	AT2G22540.1	SVP	224	25.39	7.17
DolMADS46	evm.model.Chr4.1127_evm.model.Chr4.1128	4	AT2G22540.1	SVP	231	26.12	8.26
DolMADS47	evm.model.Chr4.2220	4	AT2G22540.1	SVP	282	32.24	6.05
DolMADS48	evm.model.Chr14.2085	14	AT2G22540.1	SVP	283	32.17	8.82
DolMADS49	evm.model.Chr6.1988_evm.model.Chr6.1989	5	AT2G22540.1	SVP	171	19.67	9.59
DolMADS50	evm.model.Chr6.294	5	AT5G60910.1	SVP	246	28.02	6.11
DolMADS51	evm.model.Chr12.441	12	AT5G60910.1	SVP	245	27.72	8.91
DolMADS52	evm.model.Chr13.921	13	AT1G69120.1	SVP	245	28.67	8.83
DolMADS53	evm.model.Chr4.1452	4	AT5G23260.3	TT16	253	29.22	5.80

Table S4. The duplicated gene pairs for the MADS-box gene family in *D.oleifera.*

Gene 1	Gene 2
evm.model.Chr14.1022.1	evm.model.Chr3.1740
evm.model.Chr13.532	evm.model.Chr6.829
evm.model.Chr4.1980	evm.model.Chr6.829
evm.model.Chr8.50	evm.model.Chr9.1843
evm.model.Chr2.1616	evm.model.Chr4.1089
evm.model.Chr3.1025	evm.model.Chr3.1741
evm.model.Chr14.1022.1	evm.model.Chr3.1025
evm.model.Chr2.1166	evm.model.Chr9.124
evm.model.Chr2.769_evm.model.Chr2.770	evm.model.Chr4.1127_evm.model.Chr4.1128
evm.model.Chr14.2085	evm.model.Chr4.1127_evm.model.Chr4.1128
evm.model.Chr2.769_evm.model.Chr2.770	evm.model.Chr4.2220
evm.model.Chr4.1127_evm.model.Chr4.1128	evm.model.Chr4.2220
evm.model.Chr12.441	evm.model.Chr6.294
evm.model.Chr12.441	evm.model.Chr13.921

Note: Gene 2 is the duplicated gene of gene 1.

Table S5. Conserved motifs identified in *D.oleifera* MADS-box proteins.

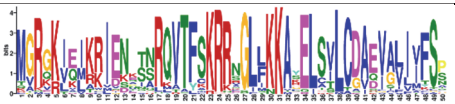
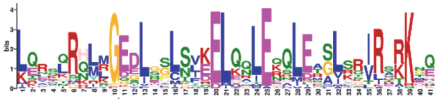
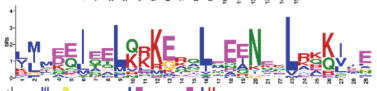
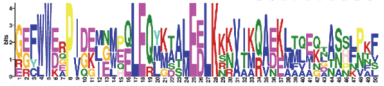
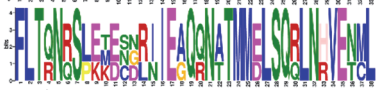
Motif name	Sequences	Width (aa)	Sites	E-value
Motif 1		50	46	6.0e-1396
Motif 2		41	28	2.7e-267
Motif 3		15	39	4.6e-144
Motif 4		29	24	9.4e-062
Motif 5		30	6	5.1e-048
Motif 6		33	2	4.2e-016
Motif 7		38	3	7.2e-013
Motif 8		21	7	5.7e-011
Motif 9		29	2	1.1e-008
Motif 10		27	6	1.3e-008

Table S6. Statistics of transcript sequencing and mapping.

Sample name	Raw reads	Clean reads	clean bases(G)	Error rate(%)	Q20(%)	Q30(%)	GC content(%)	Total mapped reads(%)	Uniquely mapped reads(%)	Non-splice reads(%)	Splice reads(%)
G11_F	85,683,726	84,569,460	12.69	0.03	97.99	94.22	47.77	72.28	64.46	46.14	18.32
G21_F	86,030,630	84,867,366	12.73	0.03	97.93	94.05	47.24	72.48	63.42	45.68	17.74
G186_F	87,308,606	86,284,288	12.94	0.03	97.7	93.5	47.99	72.81	62.9	47.09	15.81
A13_M	92,985,930	91,507,886	13.73	0.02	98.11	94.46	49.32	68.87	60.34	45.3	15.04
A65_M	91,687,298	90,264,794	13.54	0.02	98.02	94.28	47.58	70.44	62.82	45.53	17.28
A188_M	96,545,780	95,038,466	14.26	0.02	98.1	94.5	49.63	71.88	63.65	46.67	16.98
M108_F	100,535,034	99,004,114	14.85	0.03	97.95	94.1	45.81	69.99	62.31	43.55	18.76
M136_F	85,961,618	83,305,204	12.5	0.03	97.83	93.85	46.28	69.37	60.48	42.83	17.66
M168_F	90,119,882	88,283,026	13.24	0.03	97.85	93.92	45.48	70.84	62.32	44.07	18.25
M108_M	93,231,950	91,255,670	13.69	0.02	98.07	94.33	47.66	70.65	57.81	43.59	14.22
M136_M	86,853,918	84,923,322	12.74	0.02	98.2	94.67	46.7	68.29	61.59	43.86	17.73
M168_M	83,739,456	81,732,790	12.26	0.02	98.15	94.55	47.17	69.87	62.65	45.54	17.11
Average	90,056,985	88,419,698	13.26	0.03	97.99	94.20	47.39	70.65	62.06	44.99	17.08
Total	1,080,683,828	1,061,036,386	159.17	/	/	/	/	/	/	/	/

Table S7. The FPKM values of DolMADSs in transcriptome sequencing.

Gene Name	G11_F	G21_F	G186_F	A13_M	A65_M	A188_M	M108_F	M136_F	M168_F	M108_M	M136_M	M168_M
DolMADS1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.18	0.00	0.22	0.55
DolMADS2	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DolMADS3	0.00	0.00	0.00	0.00	0.00	0.10	0.07	0.00	0.00	0.00	0.00	0.00
DolMADS4	0.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00	0.00	0.00
DolMADS5	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00
DolMADS6	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00
DolMADS7	0.00	0.00	0.00	1.60	2.26	0.00	0.93	0.00	0.00	4.07	0.00	0.11
DolMADS8	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00
DolMADS9	0.31	0.00	0.00	0.87	0.00	0.58	0.22	2.09	0.25	0.00	1.27	0.61
DolMADS10	0.27	4.27	0.28	1.02	0.23	0.78	0.99	2.45	0.45	1.03	0.00	0.27
DolMADS11	10.97	10.61	17.64	11.88	9.55	3.56	14.52	8.17	9.84	6.77	6.91	8.18
DolMADS12	15.41	20.29	11.69	2.59	15.58	25.32	5.21	7.45	2.30	0.00	6.22	0.00
DolMADS13	0.43	0.00	0.40	1.09	1.13	1.94	0.32	1.68	0.30	2.00	1.57	2.73
DolMADS14	0.31	0.36	0.13	5.14	1.43	0.46	0.00	0.07	0.11	0.59	2.89	1.35
DolMADS15	3.05	4.73	1.42	15.34	2.08	5.46	5.07	8.12	9.30	3.73	6.99	7.36
DolMADS16	0.24	0.46	0.00	1.48	0.88	0.37	0.45	0.14	0.00	0.50	0.26	0.00
DolMADS17	3.44	3.81	4.11	9.44	7.06	2.71	4.10	2.95	4.15	2.56	4.33	4.23
DolMADS18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DolMADS19	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00
DolMADS20	0.11	0.00	0.11	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00
DolMADS21	0.00	0.00	0.00	3.46	0.53	10.17	0.00	0.00	0.00	0.48	1.27	2.24
DolMADS22	0.52	0.60	1.98	1.01	2.81	12.29	1.72	1.27	1.55	2.16	3.37	7.25
DolMADS23	3.33	4.99	3.20	7.24	5.72	15.41	4.74	6.32	4.72	5.23	6.62	10.26
DolMADS24	286.86	269.65	312.86	556.57	555.70	529.01	394.76	298.90	272.11	377.25	430.86	428.84

DolMADS25	59.28	36.76	47.90	42.12	44.80	31.57	30.72	31.38	36.20	22.88	26.33	24.56
DolMADS26	217.15	283.94	346.77	281.76	293.12	228.67	252.96	226.95	186.70	200.01	196.34	157.66
DolMADS27	1.52	1.13	1.40	4.66	2.05	1.92	3.16	1.95	3.08	1.45	1.88	7.42
DolMADS28	26.68	24.04	42.19	66.83	30.54	4.62	18.60	5.61	22.80	30.53	8.88	22.07
DolMADS29	60.30	37.40	25.61	30.12	42.47	41.97	63.56	15.36	12.77	69.16	39.42	38.79
DolMADS30	0.98	2.71	6.39	0.62	2.33	2.73	0.67	3.45	5.30	0.86	1.65	2.84
DolMADS31	20.69	9.04	31.47	0.00	0.00	0.00	45.24	34.42	24.11	6.71	0.00	0.00
DolMADS32	111.82	62.81	167.18	179.54	148.87	170.75	113.54	219.64	133.17	131.51	237.64	143.99
DolMADS33	32.32	26.55	48.93	73.52	111.45	56.65	63.36	52.97	55.34	119.17	119.30	127.07
DolMADS34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.12	0.00
DolMADS35	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.10	0.00	0.00
DolMADS36	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.07	0.00
DolMADS37	4.99	1.52	2.36	2.37	1.42	0.57	0.68	0.57	0.44	1.09	1.26	0.78
DolMADS38	2.62	2.74	3.29	4.17	3.66	0.98	3.58	1.35	1.76	2.86	1.26	1.71
DolMADS39	27.27	8.50	27.38	41.99	12.16	7.34	8.88	22.34	16.19	8.09	25.87	10.35
DolMADS40	2.76	2.20	5.41	5.68	1.49	5.23	2.18	3.69	1.08	2.27	4.42	2.49
DolMADS41	132.45	172.04	154.49	142.84	191.10	286.64	162.43	246.01	228.52	129.33	187.33	271.02
DolMADS42	73.94	82.82	101.34	32.89	62.34	100.45	84.60	198.17	134.66	43.44	82.04	78.68
DolMADS43	127.74	90.34	114.25	396.74	578.57	744.79	289.52	332.54	223.41	379.90	533.80	641.26
DolMADS44	0.46	0.04	0.54	0.53	0.71	0.41	0.35	0.18	0.49	0.37	0.43	0.34
DolMADS45	17.02	17.64	10.32	5.14	5.30	3.43	7.21	3.00	10.51	5.19	2.62	4.37
DolMADS46	4.04	2.15	3.07	18.21	17.80	19.05	9.70	6.02	3.78	16.92	25.00	20.98
DolMADS47	2.12	1.45	2.07	4.47	1.41	3.53	2.13	0.53	2.14	3.11	2.25	3.66
DolMADS48	7.81	2.45	3.43	6.41	2.80	4.63	4.41	1.96	1.08	4.03	7.16	4.21
DolMADS49	5.78	1.80	10.24	5.87	3.71	6.93	8.16	9.81	9.50	12.56	9.16	7.77
DolMADS50	61.89	42.50	45.94	35.15	38.68	20.00	17.81	15.96	17.71	17.60	16.51	12.33

DolMADS51	28.42	30.37	15.75	48.04	36.02	24.40	14.39	13.47	16.50	21.71	25.26	24.53
DolMADS52	167.77	122.09	89.89	89.53	80.73	58.85	81.05	60.78	93.53	43.55	35.43	56.00
DolMADS53	0.68	1.15	1.93	0.78	0.34	1.17	1.13	1.33	2.90	0.87	0.99	3.58

Note: G_F: female floral buds of gynoecious plant; A_M: male floral buds of androecious plant; M_F: female floral buds of monoecious plant; M_M: male floral buds of monoecious plant.

Table S8. Protein information for the WRKY gene family in *D.oleifera.*

Gene Name	Gene ID	Chr.No.	Homologous gene in *Arabidopsis*	Subfamily	Amino acids sequence length(aa)	Molecular weight(kDa)	Isoelectric point
DolWRKY1	evm.model.Chr11.469	11	AT5G56270.1	I	193	20.64	9.25
DolWRKY2	evm.model.Chr8.1140	8	AT5G56270.1	I	162	17.78	10.46
DolWRKY3	evm.model.Chr5.439	5	AT4G30935.1	I	507	55.39	5.93
DolWRKY4	evm.model.Chr11.1154	11	AT2G04880.2	I	488	53.72	5.80
DolWRKY5	evm.model.Chr1.507	1	AT4G26640.1	I	584	63.53	6.70
DolWRKY6	evm.model.Chr11.288	11	AT4G26640.1	I	428	46.95	6.63
DolWRKY7	evm.model.Chr15.2037	15	AT2G38470.1	I	551	61.25	9.10
DolWRKY8	evm.model.Chr1.2192	1	AT2G38470.1	I	600	65.42	7.64
DolWRKY9	evm.model.Chr7.1293	7	AT2G37260.1	I	407	44.97	8.81
DolWRKY10	evm.model.Chr15.1836	15	AT2G37260.1	I	451	49.53	8.01
DolWRKY11	evm.model.Chr2.1860	2	AT2G03340.1	I	391	43.63	7.67
DolWRKY12	evm.model.Chr13.995	13	AT1G13960.1	I	509	55.27	8.46
DolWRKY13	evm.model.Chr5.1550	5	AT1G13960.1	I	530	57.94	7.25
DolWRKY14	evm.model.Chr15.515	15	AT1G80840.1	IIa	317	34.86	8.33
DolWRKY15	evm.model.Chr10.865	10	AT1G80840.1	IIa	350	39.13	7.05
DolWRKY16	evm.model.Chr2.1921	2	AT5G15130.1	IIb	541	58.31	6.25
DolWRKY17	evm.model.Chr12.585	12	AT5G15130.1	IIb	573	61.82	6.82
DolWRKY18	evm.model.Chr14.111	14	AT1G68150.1	IIb	497	54.84	5.41
DolWRKY19	evm.model.Chr8.986	8	AT1G62300.1	IIb	305	32.57	9.08
DolWRKY20	evm.model.Chr9.2261	9	AT1G62300.1	IIb	559	60.56	7.63
DolWRKY21	evm.model.Chr12.2142	12	AT1G62300.1	IIb	557	59.55	6.15
DolWRKY22	evm.model.Chr11.1050	11	AT1G62300.1	IIb	596	64.04	6.28
DolWRKY23	evm.model.Chr4.1693	4	AT1G69310.2	IIc	122	13.44	8.52
DolWRKY24	evm.model.Chr5.1313	5	AT1G69310.2	IIc	139	15.29	9.60
DolWRKY25	evm.model.Chr3.1110	3	AT1G69310.2	IIc	122	13.42	8.91
DolWRKY26	evm.model.Chr5.1036	5	AT1G69310.2	IIc	122	13.36	9.45
DolWRKY27	evm.model.Chr13.971	13	AT1G69310.2	IIc	241	26.40	9.69
DolWRKY28	evm.model.Chr1.2033	1	AT2G47260.1	IIc	274	30.67	7.66
DolWRKY29	evm.model.Chr4.639	4	AT5G49520.1	IIc	301	33.53	5.94
DolWRKY30	evm.model.Chr8.1272	8	AT2G47260.1	IIc	316	35.01	6.19
DolWRKY31	evm.model.Chr9.1792	9	AT4G18170.1	IIc	312	34.12	6.76

DolWRKY32	evm.model.Chr12.1736	12	AT2G47260.1	IIc	187	20.86	5.84
DolWRKY33	evm.model.Chr8.39_evm.model.Chr8.40	8	AT4G18170.1	IIc	345	38.32	6.78
DolWRKY34	evm.model.Chr4.2304	4	AT4G39410.1	IIc	249	27.92	8.85
DolWRKY35	evm.model.Chr2.515	2	AT4G39410.1	IIc	246	27.92	8.99
DolWRKY36	evm.model.Chr3.1635	3	AT2G44745.1	IIc	223	25.18	7.71
DolWRKY37	evm.model.Chr10.1165	10	AT5G41570.1	IIc	286	31.68	9.92
DolWRKY38	evm.model.Chr6.833	6	AT5G13080.1	IIc	217	24.46	8.51
DolWRKY39	evm.model.Chr13.551	13	AT5G13080.1	IIc	192	21.51	9.13
DolWRKY40	evm.model.Chr4.1985	4	AT3G01970.1	IIc	193	21.42	9.35
DolWRKY41	evm.model.Chr2.2236	2	AT3G01970.1	IIc	193	21.77	9.58
DolWRKY42	evm.model.Chr4.1307.1	4	AT5G26170.1	IIc	196	22.60	6.19
DolWRKY43	evm.model.Chr2.527	2	AT5G64810.1	IIc	185	20.77	6.30
DolWRKY44	evm.model.Chr4.2298	4	AT5G64810.1	IIc	213	23.38	5.88
DolWRKY45	evm.model.Chr15.1897	15	AT5G43290.1	IId	288	31.39	5.05
DolWRKY46	evm.model.Chr10.942	10	AT4G31550.1	IId	342	37.00	9.65
DolWRKY47	evm.model.Chr2.1439	2	AT4G24240.1	IId	323	34.85	9.62
DolWRKY48	evm.model.Chr3.1836	3	AT4G01250.1	IIe	307	32.91	6.14
DolWRKY49	evm.model.Chr14.1149_evm.model.Chr14.1150	14	AT4G01250.1	IIe	331	35.75	6.10
DolWRKY50	evm.model.Chr10.1164	10	AT4G23550.1	IIe	318	34.17	5.11
DolWRKY51	evm.model.Chr12.1783	12	AT1G29280.1	IIe	234	26.15	6.96
DolWRKY52	evm.model.Chr1.2020	1	AT2G34830.1	IIe	257	28.90	4.79
DolWRKY53	evm.model.Chr9.1589	9	AT1G30650.1	IIe	439	46.96	5.31
DolWRKY54	evm.model.Chr13.2234	13	AT4G23810.1	III	340	38.10	9.78
DolWRKY55	evm.model.Chr10.1249	10	AT4G11070.1	III	345	38.17	5.07
DolWRKY56	evm.model.Chr14.1222	14	AT5G24110.1	III	328	36.88	4.66
DolWRKY57	evm.model.Chr1.469	1	AT3G56400.1	III	295	32.96	6.10
DolWRKY58	evm.model.Chr7.602	7	AT3G56400.1	III	168	19.13	9.20
DolWRKY59	evm.model.Chr7.601	7	AT3G56400.1	III	305	33.83	8.85
DolWRKY60	evm.model.Chr7.600	7	AT3G56400.1	III	325	36.05	5.28
DolWRKY61	evm.model.Chr7.596	7	AT3G56400.1	III	312	34.71	5.73
DolWRKY62	evm.model.Chr7.597	7	AT3G56400.1	III	170	19.02	9.97
DolWRKY63	evm.model.Chr15.2073	15	AT3G56400.1	III	352	38.92	6.26

DolWRKY64	evm.model.Chr13.2030	13	AT3G56400.1	III	285	31.57	8.69
DolWRKY65	evm.model.Chr13.2029	13	AT2G40740.1	III	359	41.49	8.62
DolWRKY66	evm.model.Chr1.470	1	AT2G40740.1	III	349	37.30	5.47

Table S9: Domain characteristics of the 66 identified full or partial DolWRKY proteins

Sequence name	Subfamily	Conserve WRKY domain	Conserve zinc finger domain
DolWRKY1	I	---------	CX4-CX23-HXH
DolWRKY2	I	---------	CX4-CX23-HXH
DolWRKY3	I	WRKYGQK	CX4-CX23-HXH
DolWRKY4	I	WRKYGQK	CX4-CX22-HXH
DolWRKY5	I	WRKYGQK	CX4-CX23-HXH
DolWRKY6	I	WRKYGQK	CX4-CX23-HXH
DolWRKY7	I	WRKYGQK	CX4-CX23-HXH
DolWRKY8	I	WRKYGQK	CX4-CX23-HXH
DolWRKY9	I	WIKYRQK	----------
DolWRKY10	I	WRKYGQK	CX4-CX23-HXH
DolWRKY11	I	WRKYGQK	CX4-CX23-HXH
DolWRKY12	I	WRKYGQK	CX4-CX23-HXH
DolWRKY13	I	WRKYGQK	CX4-CX23-HXH
DolWRKY14	IIa	WRKYGQK	CX5-CX23-HXH
DolWRKY15	IIa	WRKYGQK	CX5-CX23-HXH
DolWRKY16	IIb	WRKYGQK	CX5-CX23-HXH
DolWRKY17	IIb	WRKYGQK	CX5-CX23-HXH
DolWRKY18	IIb	WRKYGQK	CX5-CX23-HXH
DolWRKY19	IIb	WRKYGQK	CX5-CX23-HXH
DolWRKY20	IIb	WRKYGQK	CX5-CX23-HXH
DolWRKY21	IIb	WRKYGQK	CX5-CX23-HXH
DolWRKY22	IIb	WRKYGQK	CX5-CX23-HXH
DolWRKY23	IIc	---------	CX4-CX23-HXH
DolWRKY24	IIc	---------	CX4-CX23-HXH
DolWRKY25	IIc	---------	CX4-CX23-HXQ
DolWRKY26	IIc	---------	CX4-CX23-RXH
DolWRKY27	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY28	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY29	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY30	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY31	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY32	IIc	WRKYGQK	----------
DolWRKY33	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY34	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY35	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY36	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY37	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY38	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY39	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY40	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY41	IIc	WRKYGQK	CX4-CX23-HXH
DolWRKY42	IIc	WRKYGKK	CX4-CX23-HXH
DolWRKY43	IIc	WRKYGKK	CX4-CX23-HXH
DolWRKY44	IIc	WRKYGKK	CX4-CX23-HXH
DolWRKY45	IId	WRKYGQK	CX4-CX23-HXH
DolWRKY46	IId	---------	----------
DolWRKY47	IId	---------	----------
DolWRKY48	IIe	WRKYGQK	CX5-CX23-HXH
DolWRKY49	IIe	WRKYGQK	CX5-CX23-HXH
DolWRKY50	IIe	WRKYGQK	CX5-CX23-HXH
DolWRKY51	IIe	WRKYGQK	CX5-CX23-HXH
DolWRKY52	IIe	WRKYGQK	CX5-CX23-HXH
DolWRKY53	IIe	WRKYGQK	CX5-CX23-HXH

DolWRKY54	III	WRKYGQK	CX7-CX23-HXC
DolWRKY55	III	WRKYGQK	CX7-CX23-HXC
DolWRKY56	III	WRKYGQK	CX7-CX23-HXC
DolWRKY57	III	WRKYGQK	------ CX23-HXC
DolWRKY58	III	WRKYGQK	C----------HXC
DolWRKY59	III	WRKYGQK	CX7-CX23-HXC
DolWRKY60	III	WRKYGQK	CX7-CX23-HXC
DolWRKY61	III	WRKYGQK	CX7-CX23-HXC
DolWRKY62	III	WRKYGQK	- - - - - - - - - -
DolWRKY63	III	WRKYGQK	CX7-CX23-HXC
DolWRKY64	III	WRKYGQK	CX7-CX23-HXC
DolWRKY65	III	WRKYGQK	CX7-CX23-HXH
DolWRKY66	III	WRKYGQK	CX7-CX23-HXC

Note: the dashed lines (- - -) denote missing sequences

Table S10. The duplicated gene pairs for the WRKY gene family in *D.oleifera.*

Gene 1	Gene 2
evm.model.Chr11.469	evm.model.Chr8.1140
evm.model.Chr11.288	evm.model.Chr11.1154
evm.model.Chr1.2192	evm.model.Chr15.2037
evm.model.Chr15.1836	evm.model.Chr7.1293
evm.model.Chr13.995	evm.model.Chr5.1550
evm.model.Chr12.585	evm.model.Chr2.1921
evm.model.Chr12.2142	evm.model.Chr8.986
evm.model.Chr11.1050	evm.model.Chr8.986
evm.model.Chr12.2142	evm.model.Chr9.2261
evm.model.Chr11.1050	evm.model.Chr9.2261
evm.model.Chr1.2033	evm.model.Chr4.639
evm.model.Chr1.2033	evm.model.Chr8.1272
evm.model.Chr4.639	evm.model.Chr8.1272
evm.model.Chr12.1736	evm.model.Chr9.1792
evm.model.Chr2.515	evm.model.Chr4.2304
evm.model.Chr13.551	evm.model.Chr6.833
evm.model.Chr4.1985	evm.model.Chr6.833
evm.model.Chr2.2236	evm.model.Chr6.833
evm.model.Chr13.551	evm.model.Chr4.1985
evm.model.Chr2.2236	evm.model.Chr4.1985
evm.model.Chr13.551	evm.model.Chr2.2236
evm.model.Chr4.1307.1	evm.model.Chr4.2298
evm.model.Chr2.527	evm.model.Chr4.2298
evm.model.Chr14.1149_evm.model.Chr14.1150	evm.model.Chr3.1836
evm.model.Chr10.1164	evm.model.Chr3.1836
evm.model.Chr10.1164	evm.model.Chr14.1149_evm.model.Chr14.1150
evm.model.Chr13.2234	evm.model.Chr14.1222
evm.model.Chr15.2073	evm.model.Chr7.596
evm.model.Chr13.2030	evm.model.Chr15.2073
evm.model.Chr1.469	evm.model.Chr13.2030
evm.model.Chr1.470	evm.model.Chr13.2029

Note: Gene 2 is the duplicated gene of gene 1.

Table S11. Conserved motifs identified in *D.oleifera* WRKY proteins.

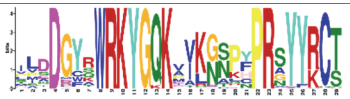
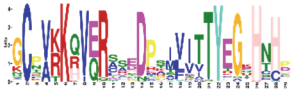
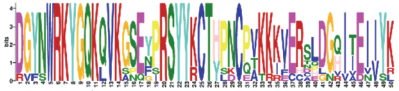
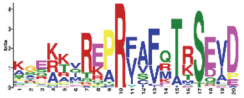
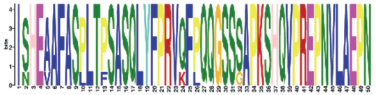
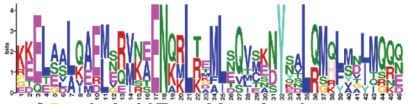
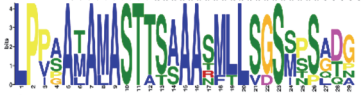
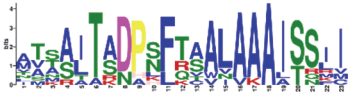
Motif name	Sequences	Width (aa)	Sites	E-value
Motif 1		29	59	8.8e-1266
Motif 2		29	62	1.2e-1058
Motif 3		50	9	8.6e-258
Motif 4		20	29	1.8e-151
Motif 5		50	5	3.9e-115
Motif 6		46	8	9.7e-075
Motif 7		29	7	1.3e-051
Motif 8		23	10	6.5e-040
Motif 9		20	14	4.5e-036
Motif 10		15	9	4.0e-033

Table S12. The FPKM values of DolWRKYs in transcriptome sequencing.

Gene Name	G11_F	G21_F	G186_F	A13_M	A65_M	A188_M	M108_F	M136_F	M168_F	M108_M	M136_M	M168_M
DolWRKY1	28.75	22.90	28.48	27.37	20.66	24.32	28.32	40.04	26.49	26.67	30.92	31.44
DolWRKY2	11.20	9.59	8.21	13.53	8.95	9.08	11.21	7.61	12.08	8.48	9.31	15.26
DolWRKY3	14.97	18.73	17.45	15.72	18.35	17.07	14.47	14.55	18.70	15.19	15.95	17.16
DolWRKY4	28.47	28.10	29.04	34.13	33.07	34.76	26.70	35.25	33.74	30.39	29.13	31.68
DolWRKY5	0.03	0.31	0.72	0.23	1.20	6.65	0.39	0.45	0.70	0.69	1.63	1.94
DolWRKY6	12.94	10.10	10.93	11.91	11.38	8.21	9.83	10.19	8.73	21.71	12.59	11.61
DolWRKY7	3.37	2.69	91.49	2.45	2.06	2.57	25.47	27.47	42.42	30.07	28.87	21.35
DolWRKY8	3.11	3.70	33.35	3.50	5.98	6.97	11.22	65.78	19.41	25.92	60.02	18.00
DolWRKY9	6.41	2.91	6.90	1.54	1.55	2.13	3.17	2.33	3.61	1.27	0.90	0.79
DolWRKY10	38.19	33.47	24.04	17.11	20.59	17.03	20.89	18.13	22.01	15.53	11.98	14.53
DolWRKY11	25.88	20.66	21.57	23.42	28.08	17.41	30.63	19.72	29.01	28.02	18.16	24.01
DolWRKY12	1.87	0.98	1.44	2.43	2.22	1.98	1.93	1.90	2.75	2.80	1.44	2.71
DolWRKY13	7.71	6.89	6.98	5.88	9.60	13.03	5.97	16.24	9.02	8.04	12.46	10.79
DolWRKY14	6.73	5.72	58.27	1.16	1.81	17.20	38.28	302.71	174.98	22.88	114.54	52.83
DolWRKY15	26.49	6.44	39.93	5.75	9.73	11.12	20.64	50.57	24.27	36.19	24.22	20.55
DolWRKY16	0.54	0.16	0.51	0.39	0.34	0.42	0.26	0.40	0.15	0.24	0.35	0.22
DolWRKY17	0.55	0.03	0.20	0.03	0.06	0.00	0.09	0.51	0.39	0.06	0.07	0.10
DolWRKY18	2.32	1.04	2.37	0.59	1.04	0.17	0.65	0.91	2.65	0.11	0.29	0.25
DolWRKY19	0.61	0.06	0.29	0.64	2.31	0.99	0.51	0.48	0.24	1.85	0.97	0.88
DolWRKY20	5.94	3.12	11.52	2.01	2.86	5.85	8.26	14.43	13.85	7.73	6.93	11.73
DolWRKY21	2.50	1.71	42.41	1.33	3.64	6.81	15.89	41.99	12.61	33.13	53.14	24.21
DolWRKY22	5.29	2.25	5.46	4.27	4.85	14.56	3.38	6.56	3.55	7.65	7.01	7.14
DolWRKY23	3.87	5.96	2.67	0.77	3.90	0.39	1.56	1.92	3.72	5.06	0.86	4.54
DolWRKY24	3.19	1.08	0.00	1.09	0.74	0.55	1.27	0.00	1.67	4.41	0.00	0.58
DolWRKY25	1.72	2.38	0.45	0.00	1.77	0.00	0.62	0.96	0.68	0.78	0.86	0.00
DolWRKY26	30.56	10.33	16.92	10.01	12.42	8.25	11.51	2.88	0.00	15.17	2.58	0.00
DolWRKY27	7.72	9.74	12.07	5.55	7.40	6.27	9.71	10.05	7.91	6.65	3.22	5.46

DolWRKY28	3.58	2.59	5.91	2.10	1.85	5.67	4.27	12.60	12.27	4.40	2.13	6.75
DolWRKY29	0.65	1.28	8.80	1.07	1.02	0.56	1.41	27.73	3.03	1.99	9.81	1.16
DolWRKY30	14.26	13.47	59.28	10.00	13.08	12.84	21.01	68.02	30.73	21.15	36.14	16.29
DolWRKY31	3.56	1.28	1.77	1.16	2.99	1.46	1.54	0.52	1.50	1.80	1.09	2.20
DolWRKY32	0.60	1.27	2.53	1.05	1.87	2.41	3.54	0.70	1.30	6.18	2.41	1.25
DolWRKY33	5.41	1.45	3.40	1.61	1.96	0.33	1.07	1.77	3.09	1.22	1.00	0.99
DolWRKY34	2.79	2.13	2.58	0.88	1.50	0.20	2.23	0.17	2.32	1.38	0.15	1.57
DolWRKY35	8.85	4.94	5.47	2.66	2.12	3.18	4.32	2.49	2.74	3.10	0.76	1.06
DolWRKY36	1.96	1.24	1.93	0.84	0.28	0.16	1.09	0.30	2.27	1.22	0.11	1.04
DolWRKY37	1.79	2.20	3.10	1.70	1.70	0.23	2.12	0.62	3.54	1.56	0.25	0.80
DolWRKY38	0.32	2.38	0.95	3.43	4.42	6.53	1.27	1.71	2.67	3.79	1.33	4.00
DolWRKY39	22.06	3.70	11.63	3.69	7.06	6.11	11.64	34.16	30.17	9.22	34.06	20.01
DolWRKY40	2.79	0.39	1.21	0.21	0.56	0.53	0.38	1.09	1.46	0.11	0.56	0.11
DolWRKY41	0.00	0.07	0.08	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.08
DolWRKY42	0.31	0.15	1.49	0.22	0.10	0.16	0.16	1.47	0.14	0.55	0.17	0.40
DolWRKY43	2.14	0.14	1.13	0.00	0.00	0.77	0.68	0.18	0.79	0.77	0.33	0.16
DolWRKY44	11.17	3.60	24.28	6.12	14.80	12.83	4.18	20.08	7.25	9.63	11.48	6.13
DolWRKY45	0.40	0.60	0.67	0.24	0.21	0.06	0.13	0.07	0.21	0.18	0.13	0.43
DolWRKY46	37.14	40.23	124.37	22.68	27.88	30.84	67.58	90.34	88.87	52.09	62.93	47.41
DolWRKY47	45.17	38.35	121.29	36.01	28.96	45.35	61.27	94.39	77.85	56.01	63.04	50.31
DolWRKY48	1.17	0.29	1.25	1.35	0.85	1.10	0.46	1.39	0.44	1.69	0.61	1.47
DolWRKY49	0.65	0.82	0.70	0.91	0.62	0.52	0.88	0.59	0.52	1.13	0.67	0.79
DolWRKY50	4.60	0.83	4.81	1.88	3.11	0.23	1.31	4.93	1.86	0.65	1.36	0.53
DolWRKY51	0.02	0.04	0.14	0.05	0.06	0.00	0.15	0.16	0.18	0.05	0.02	0.15
DolWRKY52	18.06	8.83	8.14	10.80	12.57	18.58	6.07	6.19	13.84	5.21	3.80	7.02
DolWRKY53	4.23	3.42	4.97	3.45	4.04	2.86	5.30	3.49	3.31	5.10	1.94	2.53
DolWRKY54	0.90	0.22	5.03	0.49	0.12	0.11	1.06	3.40	1.76	2.01	1.98	1.22
DolWRKY55	8.57	14.50	500.08	12.67	19.33	28.00	121.99	128.30	206.44	127.24	98.78	110.81
DolWRKY56	10.49	37.12	182.37	12.99	19.14	22.31	52.54	83.58	93.14	74.58	67.80	45.94
DolWRKY57	2.25	1.91	0.20	0.13	0.06	0.20	1.64	1.03	0.73	0.92	0.48	0.81

DolWRKY58	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DolWRKY59	0.06	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DolWRKY60	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.06	0.00	0.05	0.00	0.10
DolWRKY61	81.84	44.60	70.78	29.48	38.35	37.70	19.07	22.03	22.93	53.78	17.03	19.91
DolWRKY62	0.00	0.00	0.15	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.31
DolWRKY63	57.78	26.64	283.57	17.01	21.02	13.91	32.13	140.76	98.47	89.60	51.03	50.95
DolWRKY64	4.13	3.56	15.56	1.24	1.51	3.89	5.21	9.28	9.59	12.29	7.98	3.64
DolWRKY65	0.33	0.16	0.00	0.40	0.05	0.00	0.04	0.06	0.00	0.11	0.00	0.06
DolWRKY66	0.49	0.04	0.57	0.04	0.00	0.00	0.22	0.54	0.34	0.09	0.09	0.04

Note: G_F: female floral buds of gynoecious plant; A_M: male floral buds of androecious plant; M_F: female floral buds of monoecious plant; M_M: male floral buds of monoecious plant.

Table S13. Protein information for the NAC gene family in *D.oleifera.*

Gene Name	Gene ID	Chr.No.	Homologous gene in *Arabidopsis*	Subfamily	Amino acids sequence length(aa)	Molecular weight(kDa)	Isoelectric point
DolNAC1	evm.model.Chr3.762	3	AT4G17980.1	ANAC011	173	19.94	8.94
DolNAC2	evm.model.Chr10.309	10	AT4G17980.1	ANAC011	104	12.09	8.71
DolNAC3	evm.model.Chr2.894	2	AT1G65910.1	ANAC011	671	76.19	5.78
DolNAC4	evm.model.Chr12.50	12	AT3G17730.1	ANAC011	230	26.42	4.90
DolNAC5	evm.model.Chr8.1206	8	AT1G54330.1	ANAC011	301	34.08	5.02
DolNAC6	evm.model.Chr13.2400	13	AT3G10490.2	ANAC2	403	44.99	5.31
DolNAC7	evm.model.Chr2.489	2	AT5G09330.3	ANAC2	585	65.34	4.90
DolNAC8	evm.model.Chr4.1591	4	AT5G64060.1	ANAC2	205	23.49	8.62
DolNAC9	evm.model.Chr5.873	5	AT5G04410.1	ANAC2	564	62.37	4.55
DolNAC10	evm.model.Chr15.155	15	AT1G34190.1	ANAC2	627	70.65	4.90
DolNAC11	evm.model.Chr3.260	3	AT4G28530.1	NAC1	293	33.15	6.00
DolNAC12	evm.model.Chr11.448	11	AT1G56010.2	NAC1	308	34.64	5.05
DolNAC13	evm.model.Chr8.1155	8	AT1G56010.2	NAC1	324	36.25	6.71
DolNAC14	evm.model.Chr9.1398	9	AT1G76420.1	NAM	289	32.47	9.13
DolNAC15	evm.model.Chr1.1678	1	AT2G24430.2	NAM	327	36.09	8.73
DolNAC16	evm.model.Chr8.766	8	AT5G53950.1	NAM	347	38.10	7.61
DolNAC17	evm.model.Chr12.287	12	AT3G18400.1	NAM	315	35.19	6.97
DolNAC18	evm.model.Chr15.1232	15	AT5G18270.2	NAM	359	40.26	5.35
DolNAC19	evm.model.Chr15.1233	15	AT5G18270.2	NAM	192	21.89	9.14
DolNAC20	evm.model.Chr2.1876	2	AT5G61430.1	NAM	318	35.68	7.52
DolNAC21	evm.model.Chr4.1759	4	AT5G61430.1	NAM	156	18.03	9.26
DolNAC22	evm.model.Chr13.591	13	AT5G13180.1	SENU5	254	28.56	9.04
DolNAC23	evm.model.Chr4.2004.1	4	AT2G33480.2	SENU5	190	22.04	9.96
DolNAC24	evm.model.Chr2.2254	2	AT5G14000.1	SENU5	114	12.86	8.76
DolNAC25	evm.model.Chr12.741	12	AT5G13180.1	SENU5	255	28.72	7.69
DolNAC26	evm.model.Chr14.84.1	14	AT5G64530.1	SENU5	227	26.10	9.49
DolNAC27	evm.model.Chr6.1909	6	AT5G64530.1	SENU5	123	13.82	6.40
DolNAC28	evm.model.Chr13.1357	12	AT1G61110.1	AtNAC3	348	39.50	8.89
DolNAC29	evm.model.Chr11.1491.2	11	AT4G27410.2	AtNAC3	312	34.89	8.85
DolNAC30	evm.model.Chr8.830	8	AT3G15510.1	AtNAC3	482	53.86	9.31
DolNAC31	evm.model.Chr9.2065	9	AT3G15510.1	NAP	146	16.64	10.04

DolNAC32	evm.model.Chr5.1526	5	AT1G69490.1	NAP	267	30.02	8.97
DolNAC33	evm.model.Chr13.230	13	AT1G69490.1	NAP	220	24.95	8.84
DolNAC34	evm.model.Chr7.1338	7	AT1G61110.1	NAP	271	30.89	8.76
DolNAC35	evm.model.Chr4.1668	4	AT1G01720.1	ATAF	304	34.53	6.46
DolNAC36	evm.model.Chr4.1656	4	AT1G01720.1	ATAF	235	26.37	6.31
DolNAC37	evm.model.Chr4.1507	4	AT1G01720.1	ATAF	297	33.43	5.78
DolNAC38	evm.model.Chr2.348	2	AT5G63790.1	ATAF	191	21.48	9.63
DolNAC39	evm.model.Chr2.346	2	AT1G01720.1	ATAF	283	31.73	7.68
DolNAC40	evm.model.Chr14.1345	14	AT2G46770.1	OsNAC7	392	43.82	5.95
DolNAC41	evm.model.Chr10.986	10	AT2G46770.1	OsNAC7	436	49.07	5.51
DolNAC42	evm.model.Chr8.1222	8	AT1G79580.1	OsNAC7	319	35.92	7.79
DolNAC43	evm.model.Chr9.1174	9	AT4G10350.1	OsNAC7	368	41.53	7.26
DolNAC44	evm.model.Chr9.817	9	AT1G71930.1	OsNAC7	349	39.96	6.52
DolNAC45	evm.model.Chr4.757	4	AT1G71930.1	OsNAC7	129	15.10	10.22
DolNAC46	evm.model.Chr2.1142_evm.model.Chr2.1143	2	AT2G18060.1	OsNAC7	338	38.72	5.45
DolNAC47	evm.model.Chr3.959	3	AT1G12260.1	OsNAC7	355	41.08	5.66
DolNAC48	evm.model.Chr1.343	1	AT1G12260.1	OsNAC7	341	39.53	5.80
DolNAC49	evm.model.Chr6.1777	6	AT2G02450.1	ONAC022	351	39.97	6.44
DolNAC50	evm.model.Chr14.208	14	AT2G02450.2	ONAC022	392	44.87	7.32
DolNAC51	evm.model.Chr8.1171	8	AT2G43000.1	ONAC022	298	34.21	8.51
DolNAC52	evm.model.Chr11.525	11	AT2G43000.1	ONAC022	313	35.56	8.03
DolNAC53	evm.model.Chr2.1902	2	AT1G26870.1	ONAC022	497	56.35	8.37
DolNAC54	evm.model.Chr4.1785	4	AT5G39820.1	ONAC022	270	30.83	9.17
DolNAC55	evm.model.Chr13.262	13	AT1G26870.1	ONAC022	411	45.61	7.11
DolNAC56	evm.model.Chr13.2310	13	AT4G35580.1	TIP	515	57.71	8.77
DolNAC57	evm.model.Chr1.149	1	AT5G24590.2	TIP	610	67.73	5.01
DolNAC58	evm.model.Chr3.1232	3	AT4G35580.1	TIP	620	68.45	5.48
DolNAC59	evm.model.Chr15.1234	15	AT5G18270.2	OsNAC8	327	37.93	9.34
DolNAC60	evm.model.Chr1.2755	1	AT3G44290.1	OsNAC8	257	29.04	5.49
DolNAC61	evm.model.Chr13.1235	13	AT2G27300.1	OsNAC8	403	44.98	5.12
DolNAC62	evm.model.Chr7.1563	7	AT5G22380.1	TERN	301	34.41	8.21
DolNAC63	evm.model.Chr7.1561	7	AT3G44350.2	TERN	253	28.48	6.91
DolNAC64	evm.model.Chr15.1615	15	AT5G22380.1	TERN	308	35.70	8.27

DolNAC65	evm.model.Chr13.1250	13	AT5G22380.1	TERN	251	28.67	5.83
DolNAC66	evm.model.Chr1.2743	1	AT3G44350.2	TERN	262	29.62	6.93
DolNAC67	evm.model.Chr12.666	12	AT1G65910.1	ANAC001	228	25.99	8.56
DolNAC68	evm.model.Chr9.1962	9	AT1G69490.1	ANAC001	195	22.41	5.61
DolNAC69	evm.model.Chr1.1701	1	AT1G62700.1	ANAC001	185	22.10	4.72
DolNAC70	evm.model.Chr4.961	4	AT4G27410.2	ANAC001	226	25.23	9.95
DolNAC71	evm.model.Chr1.255	1	AT2G24430.2	ANAC001	97	11.05	7.95
DolNAC72	evm.model.Chr1.254	1	AT5G66300.1	ANAC001	184	21.25	5.91
DolNAC73	evm.model.Chr6.788	6	AT5G13180.1	ANAC001	216	23.37	9.85
DolNAC74	evm.model.Chr4.1919.2	4	AT5G14490.1	ONAC003	416	45.98	5.85
DolNAC75	evm.model.Chr13.1056	13	AT1G25580.1	ONAC003	429	48.27	5.10
DolNAC76	evm.model.Chr12.1103.7	12	AT4G29230.1	ONAC003	462	51.98	6.58
DolNAC77	evm.model.Chr5.68	5	AT4G29230.1	ONAC003	464	51.57	6.12
DolNAC78	evm.model.Chr11.739	11	AT4G28500.1	ONAC003	261	29.63	8.81
DolNAC79	evm.model.Chr9.1963	9	AT4G28500.1	ONAC003	303	34.05	6.54
DolNAC80	evm.model.Chr12.1857	12	AT1G28470.1	ONAC003	326	36.21	9.17
DolNAC81	evm.model.Chr9.21	9	AT3G12977.1	ANAC063	362	39.90	4.87
DolNAC82	evm.model.Chr7.1603	7	AT2G18060.1	ANAC063	759	86.11	5.91
DolNAC83	evm.model.Chr2.499	2	AT5G64530.1	ANAC063	651	71.12	5.97

Table S14. The duplicated gene pairs for the NAC gene family in *D.oleifera.*

Gene 1	Gene 2
evm.model.Chr10.309	evm.model.Chr3.762
evm.model.Chr13.2400	evm.model.Chr5.873
evm.model.Chr11.448	evm.model.Chr8.1155
evm.model.Chr12.741	evm.model.Chr13.591
evm.model.Chr13.591	evm.model.Chr4.2004.1
evm.model.Chr2.2254	evm.model.Chr4.2004.1
evm.model.Chr12.741	evm.model.Chr4.2004.1
evm.model.Chr13.591	evm.model.Chr2.2254
evm.model.Chr11.1491.2	evm.model.Chr8.830
evm.model.Chr8.830	evm.model.Chr9.2065
evm.model.Chr13.1357	evm.model.Chr7.1338
evm.model.Chr2.1142_evm.model.Chr2.1143	evm.model.Chr9.1174
evm.model.Chr4.961	evm.model.Chr9.817
evm.model.Chr1.343	evm.model.Chr3.959
evm.model.Chr14.208	evm.model.Chr6.1777
evm.model.Chr13.262	evm.model.Chr2.1902
evm.model.Chr2.1902	evm.model.Chr4.1785
evm.model.Chr13.262	evm.model.Chr4.1785
evm.model.Chr1.149	evm.model.Chr13.2310
evm.model.Chr1.2755	evm.model.Chr13.1235
evm.model.Chr15.1615	evm.model.Chr7.1561
evm.model.Chr13.1250	evm.model.Chr7.1561
evm.model.Chr1.2743	evm.model.Chr7.1561
evm.model.Chr13.1250	evm.model.Chr15.1615
evm.model.Chr1.2743	evm.model.Chr15.1615
evm.model.Chr1.2743	evm.model.Chr13.1250
evm.model.Chr13.591	evm.model.Chr6.788
evm.model.Chr12.1103.7	evm.model.Chr5.68
evm.model.Chr11.739	evm.model.Chr9.1963
evm.model.Chr12.1857	evm.model.Chr9.1963
evm.model.Chr11.739	evm.model.Chr12.1857

Note: Gene 2 is the duplicated gene of gene 1.

Table S15. Conserved motifs identified in the *D. oleifera* NAC proteins.

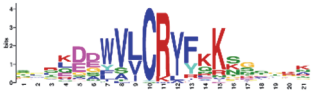
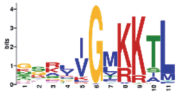
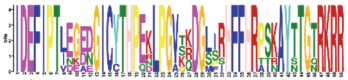
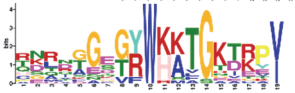
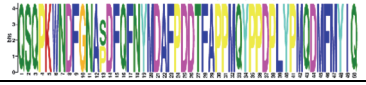
Motif name	Sequences	Width (aa)	Sites	E-value
Motif 1		41	59	5.2e-1621
Motif 2		21	74	1.6e-1062
Motif 3		21	76	2.4e-1032
Motif 4		21	61	6.0e-587
Motif 5		21	64	2.5e-335
Motif 6		11	73	7.9e-215
Motif 7		50	7	7.0e-190
Motif 8		23	7	7.0e-058
Motif 9		19	16	4.1e-051
Motif 10		50	2	2.1e-029

Table S16. The FPKM values of DolNACs in transcriptome sequencing.

Gene Name	G11_F	G21_F	G186_F	A13_M	A65_M	A188_M	M108_F	M136_F	M168_F	M108_M	M136_M	M168_M
DolNAC1	5.73	4.07	2.29	3.81	2.88	2.46	4.39	3.02	7.58	3.53	1.17	3.02
DolNAC2	5.73	5.93	3.34	3.31	1.89	1.38	5.80	0.88	8.24	6.05	0.00	4.37
DolNAC3	0.66	0.71	1.38	1.12	0.89	1.45	1.14	2.87	3.95	1.49	1.18	1.90
DolNAC4	0.73	0.59	1.22	0.64	0.09	1.28	0.62	0.98	1.01	2.25	0.68	1.11
DolNAC5	0.61	0.41	0.65	0.25	0.06	0.06	0.46	0.22	0.05	0.13	0.54	0.07
DolNAC6	37.13	30.11	32.90	31.46	41.52	41.91	32.66	36.53	34.92	26.76	39.12	33.87
DolNAC7	35.22	44.56	35.87	34.75	42.45	39.35	31.88	47.92	36.17	32.96	42.12	38.11
DolNAC8	7.46	9.81	12.72	12.93	15.78	19.25	8.45	15.35	15.61	9.02	18.02	22.07
DolNAC9	46.07	44.92	84.94	50.76	65.60	48.78	49.80	132.70	66.30	41.46	81.85	58.80
DolNAC10	39.33	45.28	119.67	43.52	50.84	57.97	66.03	101.60	79.09	76.04	73.61	61.21
DolNAC11	0.04	0.63	1.31	0.37	1.33	2.89	0.59	0.83	0.87	1.44	2.08	1.19
DolNAC12	1.31	1.49	1.18	22.43	18.51	11.62	3.02	2.74	4.41	11.07	8.40	10.64
DolNAC13	0.10	0.20	0.05	0.97	1.14	2.80	0.15	0.18	0.14	3.20	0.62	1.40
DolNAC14	2.62	0.98	1.23	1.22	1.09	0.36	0.91	0.48	2.20	0.80	0.50	0.63
DolNAC15	0.84	0.17	0.66	0.73	0.98	0.38	0.74	0.04	0.13	0.62	0.32	0.12
DolNAC16	1.52	1.62	0.37	4.85	4.06	0.69	1.63	0.52	0.24	4.20	1.54	1.14
DolNAC17	5.40	3.72	6.11	3.23	3.18	0.70	3.86	1.38	5.34	1.10	1.10	1.63
DolNAC18	2.13	5.45	5.28	3.29	3.02	2.80	3.14	4.74	4.85	3.66	3.02	2.56
DolNAC19	0.00	0.00	0.00	0.00	0.51	0.00	0.42	0.00	0.00	0.00	0.00	0.00
DolNAC20	9.34	4.22	6.90	23.66	23.40	37.77	9.49	18.26	9.57	17.51	37.55	24.30
DolNAC21	28.74	8.17	32.04	17.58	23.18	14.29	17.95	23.02	26.11	32.39	16.96	18.29
DolNAC22	22.00	36.09	22.02	19.91	22.34	29.42	16.64	19.22	13.86	35.44	70.59	38.51
DolNAC23	0.83	0.84	108.13	1.14	2.09	3.74	29.11	74.45	60.87	25.25	43.37	30.59
DolNAC24	5.51	5.55	2.83	7.12	7.08	16.58	5.14	13.93	10.47	6.73	21.03	15.93
DolNAC25	4.16	9.27	8.67	5.20	6.22	12.28	3.16	9.97	2.99	3.25	8.11	2.77
DolNAC26	2.24	0.84	2.43	1.15	2.35	4.79	0.56	2.29	1.91	1.53	2.62	1.29
DolNAC27	0.81	0.56	0.38	1.23	0.46	0.09	0.34	0.00	0.04	0.52	0.40	0.44

DolNAC28	0.32	0.22	0.05	0.43	0.21	0.00	0.34	0.38	0.41	0.14	0.25	0.10
DolNAC29	14.12	15.58	28.09	15.31	14.54	31.69	11.80	46.03	28.90	13.17	12.30	17.20
DolNAC30	1.38	1.47	3.94	17.31	51.47	52.82	1.25	27.14	8.73	34.02	96.42	67.72
DolNAC31	9.44	7.40	10.16	105.53	185.69	277.36	15.53	46.94	11.26	198.42	303.56	255.75
DolNAC32	6.53	7.02	4.23	27.10	7.48	8.07	11.35	4.14	12.35	16.27	4.74	29.68
DolNAC33	0.66	0.49	0.60	0.59	1.99	1.08	0.46	0.56	0.76	0.84	2.28	2.81
DolNAC34	0.16	0.08	0.26	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00
DolNAC35	1.71	1.95	37.26	2.08	4.25	7.51	18.45	49.76	34.37	18.52	22.01	20.50
DolNAC36	4.40	4.50	47.85	6.28	4.83	12.01	19.52	69.35	32.16	20.29	30.41	21.86
DolNAC37	59.03	59.22	247.09	56.12	114.49	119.41	104.17	304.02	179.05	92.75	184.36	120.48
DolNAC38	4.41	2.25	10.56	1.61	0.82	0.58	5.14	11.13	3.59	4.06	3.44	1.56
DolNAC39	0.13	0.04	2.02	0.00	0.04	0.09	0.23	0.47	0.40	0.09	0.24	0.24
DolNAC40	5.97	10.38	5.76	2.30	1.85	0.85	5.44	6.22	8.25	2.47	1.43	2.19
DolNAC41	1.01	1.13	2.34	1.28	1.62	0.53	1.24	1.00	2.48	1.08	0.30	1.03
DolNAC42	0.05	0.24	0.00	1.51	0.05	0.36	1.15	0.06	0.27	0.42	0.05	0.27
DolNAC43	0.00	0.05	0.00	0.17	0.10	0.11	0.00	0.00	0.00	0.17	0.17	0.40
DolNAC44	0.99	0.72	0.15	0.30	0.30	0.25	0.21	0.22	0.77	0.15	0.05	0.57
DolNAC45	0.18	0.34	0.19	0.27	0.24	0.09	0.53	0.00	1.49	0.09	0.19	0.00
DolNAC46	5.79	3.19	6.36	1.38	1.83	2.26	5.37	3.42	7.73	3.35	4.12	2.93
DolNAC47	1.55	1.38	1.11	1.10	0.78	1.14	1.44	0.40	1.53	1.32	1.04	1.22
DolNAC48	1.44	1.05	1.29	0.21	0.53	0.98	1.13	0.96	2.00	0.71	0.54	0.79
DolNAC49	4.39	7.52	2.80	3.16	4.84	3.69	1.95	1.06	1.66	2.96	1.47	3.01
DolNAC50	2.39	1.87	1.80	0.41	0.61	0.62	1.11	0.46	2.27	1.12	0.82	1.97
DolNAC51	4.03	1.08	0.52	4.24	1.41	0.55	0.15	0.48	0.84	0.34	0.45	1.67
DolNAC52	3.02	0.87	0.21	2.05	0.96	0.55	1.08	2.25	1.18	1.17	2.02	2.13
DolNAC53	0.98	0.55	0.63	1.37	1.12	1.43	0.80	0.51	0.80	0.57	0.50	0.86
DolNAC54	0.73	0.15	0.09	0.00	0.37	0.00	0.06	0.10	0.14	0.00	0.00	0.00
DolNAC55	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.04
DolNAC56	3.51	6.36	8.86	8.71	15.63	9.21	1.11	4.71	2.86	6.67	16.19	11.75
DolNAC57	27.06	32.38	329.46	22.15	41.99	41.60	79.17	296.07	101.58	100.99	240.14	62.45

DolNAC58	28.90	32.12	85.91	31.94	33.10	27.13	43.13	94.74	50.75	50.53	68.37	37.85
DolNAC59	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
DolNAC60	1.14	0.33	0.46	0.00	0.16	0.09	0.13	0.21	0.00	0.45	0.00	0.00
DolNAC61	0.38	0.54	0.85	0.59	0.60	0.74	0.74	0.94	0.97	0.69	0.93	0.56
DolNAC62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.11	0.00	0.07	0.00
DolNAC63	4.05	8.45	5.14	3.61	1.24	0.60	8.03	10.93	7.85	6.95	7.36	3.48
DolNAC64	0.07	0.00	0.07	0.00	0.00	0.00	0.05	0.00	0.00	0.14	0.07	0.00
DolNAC65	1.54	0.71	3.90	0.48	0.92	2.44	1.12	3.64	3.80	0.79	1.56	2.49
DolNAC66	0.57	0.30	3.94	0.44	0.29	0.05	1.29	2.40	1.41	0.55	1.21	1.47
DolNAC67	1.54	1.29	1.77	1.16	0.45	1.61	0.78	0.29	0.11	0.78	0.95	0.60
DolNAC68	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.18	0.21	0.00	0.08	0.00
DolNAC69	0.36	0.00	0.00	1.48	1.64	0.00	0.09	0.00	0.11	0.37	0.92	0.00
DolNAC70	11.30	11.27	9.71	9.77	11.62	5.62	6.26	7.73	7.96	7.04	6.33	7.36
DolNAC71	1.17	0.00	7.12	8.09	0.00	0.00	1.64	2.46	2.41	7.29	4.25	2.00
DolNAC72	0.77	0.00	0.81	2.31	0.00	0.31	0.46	0.36	0.93	0.93	0.66	1.13
DolNAC73	7.51	2.30	4.41	26.22	17.60	22.86	10.74	6.08	2.13	15.97	20.65	20.37
DolNAC74	3.95	2.95	2.84	1.72	0.72	0.18	1.91	1.56	1.48	1.28	1.53	0.72
DolNAC75	18.89	22.89	19.54	24.23	16.93	15.75	19.49	15.89	20.45	18.11	20.83	22.54
DolNAC76	6.93	8.29	6.79	8.31	3.22	2.15	6.24	4.42	5.99	4.76	4.15	3.26
DolNAC77	3.84	4.02	4.43	2.96	2.57	0.87	3.70	3.50	3.46	1.93	1.67	0.98
DolNAC78	4.55	4.18	5.87	3.21	5.55	3.21	15.54	11.46	7.06	6.53	5.43	3.63
DolNAC79	3.93	5.26	5.61	5.21	4.89	1.87	10.06	11.57	9.02	9.39	9.13	4.26
DolNAC80	3.73	3.81	4.11	4.63	4.46	2.22	6.44	6.07	5.79	3.20	3.18	3.46
DolNAC81	9.48	10.46	39.76	12.35	15.28	12.01	17.73	55.91	28.77	27.77	43.07	24.63
DolNAC82	1.23	1.55	2.30	1.28	4.70	29.15	3.24	10.15	5.40	5.06	11.27	35.76
DolNAC83	4.31	3.52	4.16	2.93	3.40	2.31	4.15	4.69	5.80	4.02	3.67	4.36

Note: G_F: female floral buds of gynoecious plant; A_M: male floral buds of androecious plant; M_F: female floral buds of monoecious plant; M_M: male floral buds of monoecious plant.

Table S17. Protein information for the SBP-box gene family in *D.oleifera.*

Gene Name	Gene ID	Chr.No.	Homologous gene in *Arabidopsis*	Subfamily	Amino acids sequence length(aa)	Molecular weight(kDa)	Isoelectric point
DolSBP1	evm.model.Chr13.521	13	AT5G43270.1	group1	471	51.88	7.30
DolSBP2	evm.model.Chr12.444	12	AT1G69170.1	group1	554	60.74	7.95
DolSBP3	evm.model.Chr14.920	14	AT1G02065.1	group1	382	41.63	6.31
DolSBP4	evm.model.Chr7.171	7	AT2G42200.1	group1	325	34.89	9.42
DolSBP5	evm.model.Chr7.129	7	AT2G42200.1	group1	274	30.05	7.15
DolSBP6	evm.model.Chr8.167	8	AT3G15270.1	group2	191	20.98	9.14
DolSBP7	evm.model.Chr14.919	14	AT1G02065.1	group3	307	33.82	8.84
DolSBP8	evm.model.Chr4.1984	4	AT5G50670.1	group4	243	26.88	9.73
DolSBP9	evm.model.Chr2.2234	2	AT5G50670.1	group4	423	46.03	9.80
DolSBP10	evm.model.Chr6.831	6	AT5G50670.1	group4	324	35.51	9.18
DolSBP11	evm.model.Chr12.764	12	AT5G50670.1	group4	220	24.73	8.96
DolSBP12	evm.model.Chr9.1432	9	AT1G20980.1	group5	1067	11.78	6.66
DolSBP13	evm.model.Chr4.858	4	AT1G20980.1	group5	189	21.23	9.66
DolSBP14	evm.model.Chr6.1395	6	AT3G60030.1	group5	663	73.08	6.45
DolSBP15	evm.model.Chr8.1240	8	AT1G20980.1	group5	112	12.43	9.04
DolSBP16	evm.model.Chr8.1395	8	AT5G18830.1	group6	1220	13.48	6.61
DolSBP17	evm.model.Chr4.469	4	AT5G18830.1	group6	789	88.37	6.74

Table S18. The duplicated gene pairs for the SBP-box gene family in *D.oleifera.*

Gene 1	Gene 2
evm.model.Chr12.764	evm.model.Chr13.521
evm.model.Chr2.2234	evm.model.Chr4.1984
evm.model.Chr12.764	evm.model.Chr4.1984
evm.model.Chr4.1984	evm.model.Chr6.831
evm.model.Chr2.2234	evm.model.Chr6.831

Note: Gene 2 is the duplicated gene of gene 1.

Table S19. Conserved motifs identified in the *D. oleifera* SBP-box proteins.

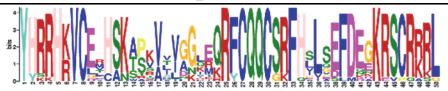
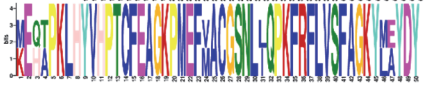
Motif name	Sequences	Width (aa)	Sites	E-value
Motif 1		41	59	5.2e-1621
Motif 2		21	74	1.6e-1062
Motif 3		21	76	2.4e-1032
Motif 4		21	61	6.0e-587
Motif 5		21	64	2.5e-335
Motif 6		11	73	7.9e-215
Motif 7		50	7	7.0e-190
Motif 8		23	7	7.0e-058
Motif 9		19	16	4.1e-051
Motif 10		50	2	2.1e-029

Table S20. The FPKM values of DolSBPs in transcriptome sequencing.

Gene Name	G11_F	G21_F	G186_F	A13_M	A65_M	A188_M	M108_F	M136_F	M168_F	M108_M	M136_M	M168_M
DolSBP1	21.19	16.77	15.48	19.00	12.05	8.60	12.84	19.59	17.71	13.09	14.09	10.83
DolSBP2	31.28	26.83	24.74	30.31	36.05	15.57	18.56	15.10	18.92	24.87	15.67	20.29
DolSBP3	24.08	17.64	23.13	6.85	8.40	1.61	11.48	4.96	21.59	5.99	1.69	4.17
DolSBP4	21.89	22.80	19.10	13.62	8.10	5.94	17.05	12.68	16.04	9.63	5.01	5.59
DolSBP5	20.42	14.57	13.94	8.62	3.91	4.36	11.09	10.20	9.36	5.96	2.26	3.93
DolSBP6	60.41	117.21	64.28	86.68	85.51	42.83	88.28	47.28	81.25	71.79	44.33	82.53
DolSBP7	32.30	42.30	40.30	27.91	24.84	6.41	22.91	8.53	11.35	45.49	16.53	12.51
DolSBP8	26.57	22.20	24.39	9.47	7.52	5.83	20.21	15.23	19.79	11.58	7.95	9.01
DolSBP9	16.79	8.36	9.45	8.93	6.99	3.29	6.41	7.68	7.78	7.56	4.58	4.71
DolSBP10	4.01	0.89	1.07	2.15	1.66	0.20	1.50	0.59	0.51	2.10	0.62	1.29
DolSBP11	37.87	28.65	26.50	26.83	14.05	8.35	13.17	8.26	9.67	12.64	4.62	5.12
DolSBP12	55.07	41.62	55.53	70.77	82.68	68.32	58.31	65.11	52.95	77.20	70.30	87.45
DolSBP13	32.53	29.05	62.59	34.41	33.47	38.07	39.53	69.20	48.86	44.82	71.89	42.17
DolSBP14	34.78	34.44	28.08	36.96	36.00	28.45	31.07	30.18	36.70	21.11	29.98	28.87
DolSBP15	13.01	16.22	13.95	13.60	8.01	8.81	18.63	22.66	27.14	11.22	19.54	9.29
DolSBP16	3.92	3.76	4.23	3.49	4.23	4.50	3.70	6.56	4.88	4.50	5.84	6.04
DolSBP17	12.57	20.61	17.01	12.44	13.00	14.45	11.42	16.81	15.33	16.25	17.59	15.57

Note: G_F: female floral buds of gynoecious plant; A_M: male floral buds of androecious plant; M_F: female floral buds of monoecious plant; M_M: male floral buds of monoecious plant.

Table S21. Protein interaction networks for DolMADSs, DolWRKYs, DolNACs and DolSBPs.

#node1	node2	node1_string_id	node2_string_id	combined_score
DolMADS11	DolMADS13	542762.A0A4S4DF58	542762.A0A4S4DSG9	0.833
DolMADS13	DolMADS52	542762.A0A4S4DSG9	542762.A0A4S4EKB7	0.762
DolMADS13	DolMADS53	542762.A0A4S4DSG9	542762.A0A4S4F0R5	0.795
DolMADS19	DolMADS21	542762.A0A4S4DL18	542762.A0A4S4ER41	0.832
DolMADS26	DolMADS31	542762.A0A4S4F1Q7	542762.A0A4S4D3K8	0.852
DolMADS26	DolMADS40	542762.A0A4S4F1Q7	542762.A0A4S4DSI4	0.776
DolMADS26	DolMADS43	542762.A0A4S4F1Q7	542762.A0A4S4DY46	0.819
DolMADS26	DolMADS49	542762.A0A4S4F1Q7	542762.A0A4S4E693	0.83
DolMADS26	DolMADS39	542762.A0A4S4F1Q7	542762.A0A4S4EGU4	0.771
DolMADS26	DolMADS52	542762.A0A4S4F1Q7	542762.A0A4S4EKB7	0.869
DolMADS26	DolMADS33	542762.A0A4S4F1Q7	542762.A0A4S4ELR2	0.805
DolMADS26	DolMADS27	542762.A0A4S4F1Q7	542762.A0A4S4EP31	0.85
DolMADS26	DolMADS53	542762.A0A4S4F1Q7	542762.A0A4S4F0R5	0.85
DolMADS26	DolMADS47	542762.A0A4S4F1Q7	542762.A0A4V3WJD5	0.863
DolMADS27	DolMADS40	542762.A0A4S4EP31	542762.A0A4S4DSI4	0.817
DolMADS27	DolMADS39	542762.A0A4S4EP31	542762.A0A4S4EGU4	0.815
DolMADS27	DolMADS36	542762.A0A4S4EP31	542762.A0A4S4ENU9	0.864
DolMADS30	DolMADS49	542762.A0A4S4E6K9	542762.A0A4S4E693	0.874
DolMADS30	DolMADS36	542762.A0A4S4E6K9	542762.A0A4S4ENU9	0.845
DolMADS31	DolMADS39	542762.A0A4S4D3K8	542762.A0A4S4EGU4	0.803
DolMADS31	DolMADS40	542762.A0A4S4D3K8	542762.A0A4S4DSI4	0.81
DolMADS31	DolMADS36	542762.A0A4S4D3K8	542762.A0A4S4ENU9	0.811
DolMADS31	DolMADS33	542762.A0A4S4D3K8	542762.A0A4S4ELR2	0.833
DolMADS31	DolMADS49	542762.A0A4S4D3K8	542762.A0A4S4E693	0.865
DolMADS31	DolMADS47	542762.A0A4S4D3K8	542762.A0A4V3WJD5	0.884
DolMADS31	DolMADS44	542762.A0A4S4D3K8	542762.A0A4S4D4G3	0.905
DolMADS31	DolMADS52	542762.A0A4S4D3K8	542762.A0A4S4EKB7	0.923
DolMADS31	DolMADS53	542762.A0A4S4D3K8	542762.A0A4S4F0R5	0.937
DolMADS33	DolMADS43	542762.A0A4S4ELR2	542762.A0A4S4DY46	0.821
DolMADS33	DolSBP7	542762.A0A4S4ELR2	542762.A0A4S4EBK5	0.811
DolMADS33	DolMADS52	542762.A0A4S4ELR2	542762.A0A4S4EKB7	0.862
DolMADS33	DolMADS53	542762.A0A4S4ELR2	542762.A0A4S4F0R5	0.857
DolMADS33	DolMADS47	542762.A0A4S4ELR2	542762.A0A4V3WJD5	0.863
DolMADS36	DolMADS49	542762.A0A4S4ENU9	542762.A0A4S4E693	0.782
DolMADS36	DolMADS52	542762.A0A4S4ENU9	542762.A0A4S4EKB7	0.826
DolMADS36	DolMADS53	542762.A0A4S4ENU9	542762.A0A4S4F0R5	0.825
DolMADS36	DolMADS47	542762.A0A4S4ENU9	542762.A0A4V3WJD5	0.828
DolMADS39	DolMADS49	542762.A0A4S4EGU4	542762.A0A4S4E693	0.771
DolMADS39	DolMADS47	542762.A0A4S4EGU4	542762.A0A4V3WJD5	0.82
DolMADS39	DolMADS52	542762.A0A4S4EGU4	542762.A0A4S4EKB7	0.864
DolMADS40	DolMADS49	542762.A0A4S4DSI4	542762.A0A4S4E693	0.78
DolMADS40	DolMADS47	542762.A0A4S4DSI4	542762.A0A4V3WJD5	0.831
DolMADS40	DolMADS52	542762.A0A4S4DSI4	542762.A0A4S4EKB7	0.863
DolMADS43	DolMADS52	542762.A0A4S4DY46	542762.A0A4S4EKB7	0.881
DolMADS44	DolMADS49	542762.A0A4S4D4G3	542762.A0A4S4E693	0.868
DolMADS47	DolMADS49	542762.A0A4V3WJD5	542762.A0A4S4E693	0.881
DolMADS47	DolMADS52	542762.A0A4V3WJD5	542762.A0A4S4EKB7	0.955
DolMADS49	DolMADS52	542762.A0A4S4E693	542762.A0A4S4EKB7	0.911

DolMADS52	DolSBP7	542762.A0A4S4EKB7	542762.A0A4S4EBK5	0.888
DolMADS52	DolMADS53	542762.A0A4S4EKB7	542762.A0A4S4F0R5	0.89
DolNAC14	DolNAC16	542762.A0A4S4DZL8	542762.A0A4S4DS53	0.935
DolNAC16	DolNAC25	542762.A0A4S4DS53	542762.A0A4S4E778	0.831
DolNAC16	DolNAC73	542762.A0A4S4DS53	542762.A0A4V3WN57	0.832
DolNAC20	DolNAC33	542762.A0A4S4ERI7	542762.A0A4S4F506	0.783
DolNAC21	DolNAC33	542762.A0A4S4ETT7	542762.A0A4S4F506	0.781
DolNAC25	DolNAC46	542762.A0A4S4E778	542762.A0A4S4DNJ0	0.814
DolNAC25	DolNAC5	542762.A0A4S4E778	542762.A0A4S4EI71	0.801
DolNAC29	DolNAC38	542762.A0A4V6RYF7	542762.A0A4S4DS45	0.814
DolNAC29	DolNAC39	542762.A0A4V6RYF7	542762.A0A4S4DY14	0.814
DolNAC30	DolNAC38	542762.A0A4S4ECM2	542762.A0A4S4DS45	0.784
DolNAC30	DolNAC39	542762.A0A4S4ECM2	542762.A0A4S4DY14	0.785
DolNAC31	DolNAC38	542762.A0A4S4D3K0	542762.A0A4S4DS45	0.781
DolNAC31	DolNAC39	542762.A0A4S4D3K0	542762.A0A4S4DY14	0.781
DolNAC46	DolNAC73	542762.A0A4S4DNJ0	542762.A0A4V3WN57	0.818
DolNAC5	DolNAC73	542762.A0A4S4EI71	542762.A0A4V3WN57	0.801
DolWRKY1	DolWRKY4	542762.A0A4S4D6Q1	542762.A0A4S4DH97	0.929
DolWRKY4	DolWRKY5	542762.A0A4S4DH97	542762.A0A4S4CZS4	0.927
DolWRKY49	DolWRKY50	542762.A0A4S4ESW8	542762.A0A4S4E4U9	0.928
DolWRKY54	DolWRKY64	542762.A0A4S4DR26	542762.A0A4S4E3G8	0.803
DolWRKY55	DolWRKY64	542762.A0A4S4D9E2	542762.A0A4S4E3G8	0.804