

Table S1. Means of morphological characters under control (0% PEG) condition.

Accessions	GP	RL	SL	FW	DW
AC1	98.33 jkl	3.34 a	4.50 a	38.48 b-h	2.02 g-p
AC2	95.00 h-l	8.30 g-r	6.64 c-k	45.93 d-p	2.47 o-s
AC3	95.00 h-l	6.74 c-f	6.75 d-m	35.77 b-e	1.82 e-k
AC4	100.00 l	8.23 g-r	6.65 c-k	48.53 f-s	1.55 b-g
AC5	85.00 c-f	6.70 cde	7.63 k-s	39.07 b-i	1.85 f-l
AC6	100.00 l	7.57 e-k	7.05 d-p	30.62 b	1.08 abc
AC7	93.33 g-l	8.04 g-q	6.71 d-l	44.50 c-o	1.72 d-h
AC8	73.33 b	5.58 b	7.50 j-s	55.65 n-v	2.57 p-s
AC9	96.67 i-l	7.80 e-n	7.45 i-s	33.65 bc	1.07 ab
AC10	86.67 c-g	8.48 j-s	8.01 p-s	67.07 wx	2.75 rs
AC11	80.00 c	6.36 bcd	6.93 d-n	29.55 a	0.92 a
AC12	88.33 d-h	8.68 k-u	8.19 rs	55.45 n-v	1.90 f-n
AC13	55.00 a	3.12 a	7.37 i-r	56.33 o-w	2.07 g-q
AC14	81.67 cd	7.72 e-m	7.70 m-s	39.65 b-i	1.70 d-h
AC15	96.67 i-l	8.47 j-s	7.09 d-p	61.25 t-x	2.30 j-s
AC16	91.67 e-k	6.02 bc	7.29 g-r	46.78 d-q	2.43 m-s
AC17	95.00 h-l	10.39 yz	8.00 o-s	58.67 r-x	2.09 g-q
AC18	91.67 e-k	8.23 g-r	7.40 i-r	56.27 o-w	2.28 i-r
AC19	88.33 d-h	9.04 n-x	7.16 f-p	64.06 vwx	2.44 n-s
AC20	88.33 d-h	7.22 d-i	6.92 d-n	68.97 x	2.83 s
AC21	88.33 d-h	7.18 d-h	6.85 d-m	52.21 j-u	1.99 g-o
AC22	91.67 e-k	7.39 d-j	6.30 b-f	54.11 l-v	2.29 i-s
AC23	91.67 e-k	8.35 h-r	6.37 b-h	50.76 i-u	1.87 f-m
AC24	88.33 d-h	7.36 d-j	7.24 f-r	54.52 m-v	2.37 k-s
AC25	91.67 e-k	10.00 w-z	7.23 f-q	56.29 o-w	2.41 l-s
AC26	95.00 h-l	9.79 u-y	7.11 e-p	48.30 f-s	1.98 g-o
AC27	91.67 e-k	8.77 h-v	6.34 b-g	33.56 bc	1.80 e-j
AC28	91.67 e-k	9.97 v-z	7.07 d-p	58.93 s-x	2.07 g-q
AC29	91.67 e-k	10.93 z	8.12 qrs	61.92 u-x	2.33 j-s
AC30	71.67 b	9.68 s-y	7.44 i-r	52.33 j-u	2.78 rs
AC31	91.67 e-k	8.96 m-x	6.79 d-m	44.57 c-o	2.06 g-q
AC32	93.33 g-l	9.42 r-y	7.35 h-r	44.54 c-o	1.89 f-n
AC33	69.33 b	8.43 i-r	6.71 d-l	44.16 c-n	2.11 g-q
AC34	94.67 h-l	8.70 k-u	6.82 d-m	45.86 d-p	1.99 g-o
AC35	85.33 c-f	7.69 e-l	6.17 b-e	49.09 g-s	1.99 g-o
AC36	94.67 h-l	8.54 j-t	6.12 bcd	47.79 f-s	1.92 f-o
AC37	93.33 g-l	7.07 c-g	5.68 b	47.87 f-s	1.90 f-n
AC38	92.00 f-k	7.07 c-g	5.76 bc	43.47 c-m	1.68 d-h
AC39	97.33 jkl	8.47 j-s	6.80 d-m	42.93 c-m	1.71 d-h
AC40	92.00 f-k	7.93 f-q	7.04 d-p	47.02 d-q	1.89 f-n
AC41	98.67 kl	8.96 m-x	6.98 d-n	46.01 d-p	1.69 d-h
AC42	96.00 h-l	9.15 p-x	7.70 l-s	41.85 b-k	1.21 a-d
AC43	98.67 kl	8.01 g-q	7.51 j-s	36.73 b-f	1.39 a-f
AC44	94.67 h-l	8.91 l-w	7.35 i-r	61.64 t-x	2.58 qrs
AC45	86.67 c-g	7.18 d-h	6.62 c-j	45.85 d-p	2.06 g-q
AC46	93.33 g-l	8.01 g-q	6.81 d-m	46.52 d-q	2.03 g-q
AC47	90.67 e-j	8.04 g-q	7.55 j-s	35.41 bcd	1.30 a-e
AC48	93.33 g-l	8.16 g-q	7.56 j-s	35.20 bcd	1.19 a-d
AC49	84.00 cde	7.83 e-o	6.78 d-m	50.12 h-t	1.92 f-o
AC50	90.67 e-j	9.18 q-x	8.12 qrs	37.19 b-g	1.55 b-g
AC51	84.00 cde	8.60 j-u	7.69 l-s	58.11 q-x	2.29 i-s
AC52	85.33 c-f	7.91 e-p	6.64 c-k	39.07 b-i	1.85 f-l
AC53	85.33 c-f	8.59 j-u	6.90 d-n	47.33 e-s	1.73 d-i
AC54	89.33 e-i	9.01 n-x	7.57 j-s	41.39 b-j	1.69 d-h
AC55	86.67 c-g	8.13 g-q	6.74 d-m	47.27 e-r	1.79 e-j
AC56	85.33 c-f	9.07 o-x	6.49 b-i	41.18 b-j	1.79 e-j
AC57	84.00 cde	9.73 t-y	7.70 m-s	39.62 b-i	1.97 g-o
AC58	93.33 g-l	8.72 k-u	7.50 j-s	56.46 p-w	2.31 j-s
AC59	89.33 e-i	7.93 f-q	7.26 f-r	46.35 d-p	1.99 g-o
AC60	96.00 h-l	10.08 w-z	7.02 d-o	53.40 k-v	2.05 g-q
AC61	97.33 jkl	8.58 j-u	7.11 e-p	39.14 b-i	1.59 c-h
AC62	92.00 f-k	8.45 i-s	6.87 d-m	42.64 c-l	2.35 j-s
AC63	97.33 jkl	9.04 n-x	8.41 s	41.11 b-j	1.63 d-h
AC64	97.33 jkl	10.16 xyz	7.86 n-s	44.05 c-n	2.15 h-q

GP: germination percentage, RL: root length, SL: shoot length, FW: fresh weight, DW: Dry weight. Distinct letters indicate a statistically significant difference between the mean values as per Duncan's Multiple-Range Test ($p \leq 0.01$).

Table S2. Means of morphological characteristics under T1 (7.5% PEG).

Accessions	RL		SL		FW		DW		GP	
AC1	2.92	v	4.27	o-r	41.30	d-l	3.52	a-d	78.33	h-k
AC2	2.70	v	4.57	m-r	41.32	d-l	2.65	f-p	78.33	h-k
AC3	5.46	n-t	5.82	c-j	35.78	j-r	2.40	h-s	70.00	k
AC4	6.47	c-o	4.86	i-r	42.90	c-j	2.37	h-s	100.00	a
AC5	5.69	j-t	6.39	a-g	33.00	m-s	1.83	r-u	83.33	e-i
AC6	5.52	m-t	5.38	f-n	26.25	st	1.90	q-u	100.00	a
AC7	6.20	f-p	6.16	a-h	37.12	h-r	2.32	j-s	91.67	a-f
AC8	4.56	tu	4.52	m-r	45.45	b-g	3.57	abc	73.33	jk
AC9	6.99	a-i	6.15	a-h	39.35	f-p	2.80	d-o	96.67	abc
AC10	6.69	b-n	6.58	a-d	56.78	a	3.92	a	83.33	e-i
AC11	5.49	n-t	5.50	e-m	30.68	q-t	1.43	tu	78.33	h-k
AC12	7.49	a-d	6.34	a-g	39.88	e-n	3.15	b-g	85.00	d-i
AC13	2.21	v	5.84	c-i	44.15	c-h	2.95	c-k	55.00	l
AC14	4.83	r-u	4.86	i-r	32.20	m-t	2.27	k-s	78.33	h-k
AC15	7.44	a-e	4.60	l-r	48.23	bcd	3.72	ab	85.00	d-i
AC16	4.98	q-u	6.03	c-h	37.02	h-r	2.85	c-n	88.33	b-h
AC17	7.57	abc	5.09	h-q	46.90	b-f	2.93	c-l	88.33	b-h
AC18	5.80	i-s	3.98	r	25.31	t	2.15	m-s	85.00	d-i
AC19	6.99	a-i	5.35	g-o	44.20	c-h	3.09	b-i	80.00	g-j
AC20	6.64	b-n	4.64	k-r	52.19	ab	3.75	ab	81.67	f-j
AC21	6.16	f-q	5.68	d-l	48.31	bcd	3.19	b-g	86.67	c-i
AC22	5.53	m-t	4.31	n-r	47.68	b-e	2.79	d-o	90.00	a-g
AC23	5.63	k-t	5.12	h-p	36.27	h-r	2.25	k-s	86.67	c-i
AC24	5.69	j-t	5.12	h-p	42.92	c-j	2.41	h-s	88.33	b-h
AC25	6.55	c-n	5.14	h-p	44.07	c-i	2.85	c-n	85.00	d-i
AC26	6.92	a-j	6.08	b-h	38.55	g-q	2.35	i-s	93.33	a-e
AC27	6.95	a-i	5.55	d-m	31.67	o-t	2.30	j-s	91.67	a-f
AC28	6.66	b-n	5.38	f-n	45.90	b-g	3.20	b-g	90.00	a-g
AC29	6.92	a-j	5.14	h-p	42.05	c-k	3.49	a-e	90.00	a-g
AC30	4.23	u	4.12	pqr	44.14	c-h	3.25	a-f	58.33	l
AC31	6.38	c-p	5.07	h-q	39.75	e-o	2.73	f-p	91.67	a-f
AC32	6.92	a-j	6.46	a-f	39.93	e-n	2.47	g-r	90.00	a-g
AC33	4.18	u	4.75	j-r	35.63	j-r	2.49	g-r	72.00	jk
AC34	6.81	a-l	5.92	c-i	39.51	f-p	1.99	p-u	89.33	b-g
AC35	5.18	p-u	4.88	i-r	42.75	c-j	2.92	c-l	84.00	e-i
AC36	6.48	c-o	5.13	h-p	43.22	c-j	2.77	e-o	86.67	c-i
AC37	5.31	o-u	4.55	m-r	42.43	c-j	2.76	e-o	80.00	g-j
AC38	5.89	h-s	4.89	i-r	38.83	f-p	2.39	h-s	92.00	a-f
AC39	5.95	h-r	4.53	m-r	37.23	h-r	2.47	g-r	96.00	abc
AC40	6.73	b-m	5.34	g-o	41.99	c-k	2.73	f-p	86.67	c-i
AC41	6.38	c-p	5.60	d-m	39.55	f-o	2.05	o-t	92.00	a-f
AC42	6.75	b-m	6.15	a-h	35.95	i-r	1.35	u	96.00	abc
AC43	6.90	a-j	7.15	a	33.29	l-s	2.15	m-s	94.67	a-d
AC44	6.94	a-i	5.98	c-h	49.81	bc	2.99	c-k	92.00	a-f
AC45	6.34	c-p	5.52	d-m	41.69	d-k	2.63	f-p	86.67	c-i
AC46	6.05	g-q	5.43	f-m	38.44	g-q	2.19	l-s	93.33	a-e
AC47	7.39	a-f	7.10	ab	29.71	rst	2.13	n-s	94.67	a-d
AC48	7.49	a-d	7.11	ab	31.93	n-t	1.83	r-u	92.00	a-f
AC49	6.44	c-o	5.57	d-m	41.29	d-l	2.25	k-s	77.33	ijk
AC50	7.84	ab	6.56	a-e	33.34	l-s	2.17	m-s	86.67	c-i
AC51	6.22	e-p	5.71	d-k	36.57	h-r	2.17	m-s	84.00	e-i
AC52	6.55	c-n	5.79	c-j	40.08	e-m	2.48	g-r	84.00	e-i
AC53	6.80	a-l	5.31	g-o	36.93	h-r	3.09	b-h	84.00	e-i
AC54	7.98	a	7.20	a	32.03	m-t	2.31	j-s	88.00	b-h
AC55	6.32	d-p	5.15	h-p	38.61	g-q	2.98	c-k	85.33	d-i
AC56	6.60	c-n	5.87	c-i	38.13	g-q	2.77	e-o	84.00	e-i
AC57	5.52	m-t	5.56	d-m	35.95	i-r	2.89	c-m	78.67	h-k
AC58	4.70	stu	4.04	qr	37.97	g-q	2.65	f-p	89.33	b-g
AC59	5.94	h-r	5.55	d-m	37.10	h-r	3.05	b-j	86.67	c-i
AC60	6.85	a-k	5.80	c-j	42.33	c-j	2.32	j-s	93.33	a-e
AC61	7.20	a-g	6.80	abc	31.40	p-t	1.67	stu	97.33	ab
AC62	7.25	a-g	6.78	abc	36.19	h-r	2.54	f-r	89.33	b-g
AC63	7.10	a-h	6.81	abc	34.15	k-r	2.29	k-s	93.33	a-e
AC64	5.58	l-t	4.58	m-r	35.87	j-r	2.49	g-r	94.67	a-d

GP: germination percentage, RL: root length, SL: shoot length, FW: fresh weight, DW: dry weight. Different letters signify a statistically significant difference between the mean values according to Duncan's Multiple-Range Test ($p \leq 0.01$).

Table S3. Means of morphological characters under T2 (15% PEG).

Accessions	RL		SL		FW		DW		GP	
AC1	3.58	t-z	2.70	stu	28.87	i-v	4.11	abc	91.67	abc
AC2	4.29	m-w	3.46	k-t	23.82	u-x	2.75	k-x	83.33	a-h
AC3	2.74	y-aa	2.96	q-u	28.02	j-x	3.53	c-k	68.33	i-l
AC4	2.82	y-aa	1.83	vw	32.68	a-p	2.93	g-u	90.00	a-e
AC5	3.09	xyz	2.43	uv	16.72	z	2.43	o-z	81.67	b-h
AC6	3.11	xyz	3.05	o-u	26.58	p-x	3.35	c-m	91.67	abc
AC7	4.41	l-v	3.80	f-q	28.90	i-v	2.80	i-w	80.00	c-i
AC8	2.01	aa	1.36	wx	34.12	a-k	5.00	a	46.67	n
AC9	5.63	d-k	4.07	c-m	34.18	a-j	3.48	c-k	90.00	a-e
AC10	3.86	q-y	3.61	h-s	33.22	a-o	4.42	ab	83.33	a-h
AC11	3.85	r-y	3.81	f-q	24.52	t-x	1.80	yz	46.67	n
AC12	6.01	d-h	4.45	b-i	28.93	i-v	3.03	f-s	85.00	a-g
AC13	0.83	ab	1.00	x	17.55	yz	3.10	f-r	20.00	o
AC14	3.68	s-z	3.43	k-t	25.28	s-x	2.93	g-u	76.67	f-j
AC15	5.96	d-h	3.05	o-u	36.40	a-f	3.62	c-i	88.33	a-f
AC16	3.65	t-z	4.16	c-l	28.37	j-w	2.20	t-z	78.33	d-j
AC17	5.93	d-i	2.95	q-u	33.73	a-m	3.31	c-m	81.67	a-h
AC18	5.17	g-o	3.43	k-t	37.97	abc	3.83	b-f	81.67	a-h
AC19	6.32	c-f	3.28	l-u	37.01	a-d	3.99	b-e	71.67	h-k
AC20	6.03	d-h	3.88	e-q	38.32	ab	4.42	ab	75.00	g-j
AC21	4.71	j-t	2.62	tuv	32.58	a-p	3.06	f-s	78.33	d-j
AC22	5.15	g-p	3.28	l-u	28.59	j-v	2.99	g-t	78.33	d-j
AC23	4.64	j-t	3.42	k-t	27.79	m-x	2.54	m-y	85.00	a-g
AC24	5.23	f-n	3.49	i-t	27.89	l-x	2.99	g-t	83.33	a-h
AC25	5.06	g-p	3.92	d-p	38.31	ab	3.37	c-l	81.67	a-h
AC26	3.21	w-z	4.00	c-o	23.71	u-x	2.48	n-y	90.00	a-e
AC27	3.20	w-z	3.49	i-t	22.44	wxy	2.57	l-y	91.67	abc
AC28	5.22	f-n	3.47	j-t	36.79	a-e	3.60	c-j	86.67	a-g
AC29	5.09	g-p	3.89	e-q	34.08	a-l	3.37	c-l	85.00	a-g
AC30	3.72	s-z	2.94	q-u	30.70	e-s	4.01	a-d	53.33	mn
AC31	4.99	g-q	3.29	l-u	30.85	e-s	3.19	e-o	88.33	a-f
AC32	4.81	i-s	3.60	h-s	29.21	h-v	3.14	f-p	86.67	a-g
AC33	3.32	v-z	3.07	n-u	33.83	a-m	3.00	g-t	60.00	lm
AC34	4.92	g-r	3.60	h-s	28.65	j-v	2.33	p-z	85.33	a-g
AC35	3.47	u-z	3.11	m-u	30.30	f-t	2.78	j-x	66.67	j-l
AC36	4.91	h-r	3.87	e-q	35.23	a-h	3.69	b-g	81.33	b-h
AC37	3.64	t-z	2.76	r-u	31.23	d-s	3.69	b-g	62.67	klm
AC38	4.08	o-x	3.07	n-u	26.15	q-x	2.79	j-x	90.67	a-d
AC39	5.15	g-p	2.93	q-u	26.87	o-x	2.81	h-w	90.67	a-d
AC40	4.68	j-t	3.78	f-q	36.37	a-f	3.36	c-m	78.67	c-i
AC41	4.02	p-x	3.53	i-t	27.96	k-x	2.32	q-z	86.67	a-g
AC42	4.11	n-x	4.07	c-m	22.09	xy	1.69	z	85.33	a-g
AC43	5.44	e-l	4.26	b-k	23.37	vwxy	2.26	s-z	86.67	a-g
AC44	3.82	r-y	3.17	m-u	35.55	a-g	3.32	c-m	72.00	h-k
AC45	5.17	g-o	5.15	b	33.05	a-p	3.13	f-q	80.00	b-i
AC46	4.11	n-x	4.01	c-n	32.54	a-q	2.84	h-v	84.00	a-h
AC47	4.19	n-x	4.31	b-k	26.99	o-x	2.03	w-z	80.00	b-i
AC48	4.53	k-u	4.31	b-k	25.47	r-x	1.99	xyz	76.00	f-j
AC49	4.07	o-x	3.52	i-t	31.96	c-q	3.09	f-r	81.33	b-h
AC50	7.24	abc	4.23	c-l	29.10	h-v	2.91	g-u	86.67	a-g
AC51	2.69	zaa	3.87	e-q	33.43	a-n	3.39	c-k	81.33	b-h
AC52	4.65	j-t	3.69	g-r	31.53	d-r	3.27	d-n	81.33	b-h
AC53	6.37	cde	4.92	bc	32.23	b-q	3.63	c-h	85.33	a-g
AC54	7.45	ab	4.70	b-f	29.52	g-u	3.33	c-m	90.67	a-d
AC55	7.22	abc	4.62	b-g	32.05	c-q	2.29	r-z	86.67	a-g
AC56	8.02	a	4.77	b-e	34.87	a-i	2.04	v-z	84.00	a-h
AC57	5.10	g-p	4.50	b-h	30.79	e-s	3.39	c-k	77.33	e-j
AC58	3.18	w-z	3.47	j-t	32.24	b-q	3.07	f-s	90.67	a-d
AC59	5.74	d-j	4.44	b-i	27.26	n-x	3.07	f-s	77.33	e-j
AC60	5.33	e-m	4.86	bcd	38.39	a	3.85	b-f	78.67	c-i
AC61	6.34	cde	4.42	b-j	26.13	q-x	2.15	u-z	94.67	a
AC62	6.65	bcd	4.43	b-i	29.45	g-v	3.59	c-j	80.00	b-i
AC63	6.06	d-g	6.07	a	26.72	p-x	2.29	r-z	92.00	ab
AC64	4.02	p-x	3.00	p-u	36.33	a-f	3.15	f-o	88.00	a-g

GP: germination percentage, RL: root length, SL: shoot length, FW: fresh weight, DW: dry weight. Different letters denote a statistically significant variation between the mean values determined by Duncan's Multiple-Range Test ($p \leq 0.01$).

Table S4. The mean values of morphological traits of all accessions under all drought conditions.

Accessions	GP		RL		SL		FW		DW	
AC1	89.44	e-m	3.28	a1	3.82	b1	36.22	v-b1	3.22	cd
AC2	85.56	l-s	5.10	wxy	4.89	t-z	37.02	t-a1	2.62	h-n
AC3	77.78	w	4.98	xy	5.17	m-v	33.19	a1-d1	2.58	h-q
AC4	96.67	a	5.84	q-u	4.44	za1	41.37	j-s	2.28	o-w
AC5	83.33	p-v	5.16	v-y	5.48	f-o	29.59	d1-f1	2.04	v-y
AC6	97.22	a	5.40	t-y	5.16	m-v	27.82	f1	2.11	u-y
AC7	88.33	g-o	6.22	l-r	5.56	e-m	36.84	u-a1	2.28	p-w
AC8	64.44	xy	4.05	z	4.46	y-a1	45.07	c-j	3.71	a
AC9	94.44	a-d	6.81	f-j	5.89	c-g	35.73	w-b1	2.45	k-t
AC10	84.44	n-t	6.34	j-q	6.07	bcd	52.36	ab	3.69	a
AC11	68.33	x	5.23	v-y	5.41	h-q	28.25	e1f1	1.38	a1
AC12	86.11	k-r	7.39	cde	6.33	bc	41.42	j-s	2.69	g-l
AC13	43.33	z	2.05	b1	4.74	v-a1	39.34	n-w	2.71	g-l
AC14	78.89	uvw	5.41	t-y	5.33	j-t	32.38	b1-d1	2.30	n-w
AC15	90.00	c-l	7.29	def	4.91	s-y	48.63	bcd	3.21	cd
AC16	86.11	k-r	4.88	y	5.82	d-h	37.39	s-z	2.49	j-t
AC17	88.33	g-o	7.97	ab	5.35	i-t	46.44	c-g	2.78	f-j
AC18	86.11	k-r	6.40	j-p	4.94	r-x	39.85	m-v	2.76	f-k
AC19	80.00	t-w	7.45	b-e	5.26	l-u	48.42	b-e	3.17	cde
AC20	81.67	r-w	6.63	i-m	5.15	m-v	53.16	a	3.67	ab
AC21	84.44	n-t	6.01	o-s	5.05	n-w	44.37	e-l	2.75	f-k
AC22	86.67	j-q	6.02	o-s	4.63	w-a1	43.46	f-m	2.69	g-l
AC23	87.78	h-q	6.21	l-r	4.97	q-x	38.27	p-x	2.22	r-x
AC24	86.67	j-q	6.09	m-r	5.28	k-u	41.78	j-r	2.59	h-q
AC25	86.11	k-r	7.20	d-h	5.43	h-p	46.22	c-h	2.87	e-h
AC26	92.78	a-g	6.64	i-m	5.73	d-k	36.85	u-a1	2.27	q-w
AC27	91.67	b-i	6.31	j-q	5.13	m-v	29.22	d1-f1	2.22	r-x
AC28	89.44	e-m	7.28	def	5.31	j-t	47.21	c-f	2.96	d-g
AC29	88.89	f-n	7.65	a-d	5.72	d-l	46.02	c-i	3.06	c-f
AC30	61.11	y	5.88	p-t	4.83	u-z	42.39	g-o	3.35	bc
AC31	90.56	c-k	6.78	f-k	5.05	n-w	38.39	o-x	2.66	g-m
AC32	90.00	c-l	7.05	e-i	5.80	d-i	37.89	r-y	2.50	j-t
AC33	67.11	x	5.31	u-y	4.84	u-z	37.87	r-y	2.53	i-s
AC34	89.78	d-l	6.81	f-j	5.45	g-p	38.01	q-y	2.11	u-y
AC35	78.67	vw	5.45	t-x	4.72	v-a1	40.71	k-u	2.56	h-q
AC36	87.56	i-q	6.64	i-m	5.04	o-w	42.08	i-q	2.79	f-j
AC37	78.67	vw	5.34	t-y	4.33	a1	40.51	l-u	2.78	f-j
AC38	91.56	c-i	5.68	r-v	4.57	x-a1	36.15	v-b1	2.28	o-w
AC39	94.67	abc	6.53	i-o	4.75	v-a1	35.68	w-b1	2.33	n-w
AC40	85.78	k-r	6.45	j-o	5.39	h-r	41.80	j-r	2.66	g-m
AC41	92.44	a-h	6.45	j-o	5.37	h-s	37.84	r-y	2.02	wxy
AC42	92.44	a-h	6.67	h-l	5.97	cde	33.29	z-d1	1.42	a1
AC43	93.33	a-f	6.78	f-k	6.31	bc	31.13	c1-f1	1.94	xyz
AC44	86.22	k-r	6.56	i-o	5.50	f-n	49.00	bc	2.96	d-g
AC45	84.44	n-t	6.23	k-r	5.76	d-j	40.19	m-v	2.61	h-o
AC46	90.22	c-l	6.05	n-s	5.42	h-q	39.17	n-w	2.36	m-v
AC47	88.44	g-n	6.54	i-o	6.32	bc	30.70	c1-f1	1.82	yz
AC48	87.11	i-q	6.73	g-l	6.32	bc	30.87	c1-f1	1.67	za1
AC49	80.89	sw	6.11	m-r	5.29	k-u	41.12	j-t	2.42	l-u
AC50	88.00	g-o	8.09	a	6.30	bc	33.21	a1-d1	2.21	s-x
AC51	83.11	q-v	5.83	q-u	5.75	d-j	42.70	g-n	2.62	h-n
AC52	83.56	o-u	6.37	j-q	5.37	h-s	36.90	u-a1	2.54	i-r
AC53	84.89	m-s	7.25	d-g	5.71	d-l	38.83	n-w	2.82	f-j
AC54	89.33	f-m	8.14	a	6.49	b	34.31	x-c1	2.44	k-t
AC55	86.22	k-r	7.23	d-g	5.50	f-n	39.31	n-w	2.35	m-v
AC56	84.44	n-t	7.90	abc	5.71	d-l	38.06	q-y	2.20	t-x
AC57	80.00	t-w	6.79	f-j	5.92	c-f	35.45	w-b1	2.75	f-k
AC58	91.11	c-j	5.54	s-w	5.01	p-x	42.22	h-p	2.68	g-m
AC59	84.44	n-t	6.54	i-o	5.75	d-j	36.90	u-a1	2.70	g-l
AC60	89.33	f-m	7.42	b-e	5.89	c-g	44.71	d-k	2.74	f-l
AC61	96.44	ab	7.37	cde	6.11	bcd	32.22	b1-e1	1.81	yz
AC62	87.11	i-q	7.45	b-e	6.03	cd	36.09	v-b1	2.83	f-i
AC63	94.22	a-e	7.40	cde	7.10	a	33.99	y-c1	2.07	v-y
AC64	93.33	a-f	6.58	i-n	5.15	m-v	38.75	n-w	2.60	h-p

GP: germination percentage, RL: root length, SL: shoot length, FW: fresh weight, DW: dry weight. Different letters indicate a statistically significant difference between mean values assessed by Duncan's Multiple-Range Test ($p < 0.01$).

Table S5. The interaction values of morphological traits among the tomato accessions and treatments.

Acc. X treat.	GP		RL		SL		FW		DW	
AC1,Control	98.33	ab	3.34	a3-j3	4.50	b2-l2	38.48	c1-a2	2.02	u1-m2
AC2,Control	95.00	a-d	8.30	i-u	6.64	m-c1	45.93	m-b1	2.47	fl-x1
AC3,Control	95.00	a-d	6.74	d1-p1	6.75	j-a1	35.77	j1-i2	1.82	c2-q2
AC4,Control	100.00	a	8.23	i-u	6.65	l-c1	48.53	i-r	1.55	m2-t2
AC5,Control	85.00	g-l	6.70	e1-p1	7.63	a-h	39.07	a1-x1	1.85	a2-q2
AC6,Control	100.00	a	7.57	q-e1	7.05	f-u	30.62	c2-w2	1.08	s2-u2
AC7,Control	93.33	a-f	8.04	k-x	6.71	k-b1	44.50	n-d1	1.72	f2-r2
AC8,Control	73.33	o-t	5.58	u1-i2	7.50	b-j	55.65	d-h	2.57	c1-u1
AC9,Control	96.67	abc	7.80	n-b1	7.45	b-k	33.65	r1-p2	1.07	t2u2
AC10,Control	86.67	e-k	8.48	h-q	8.01	a-d	67.07	ab	2.75	x-q1
AC11,Control	80.00	j-p	6.36	h1-x1	6.93	f-v	29.55	e2-y2	0.92	u2
AC12,Control	88.33	d-i	8.68	h-o	8.19	ab	55.45	d-i	1.90	y1-p2
AC13,Control	55.00	wx	3.12	d3-k3	7.37	c-n	56.33	d-g	2.07	t1-m2
AC14,Control	81.67	i-n	7.72	o-c1	7.70	a-f	39.65	y-t1	1.70	h2-r2
AC15,Control	96.67	abc	8.47	h-q	7.09	e-u	61.25	b-e	2.30	k1-d2
AC16,Control	91.67	b-g	6.02	k1-c2	7.29	d-o	46.78	l-x	2.43	g1-z1
AC17,Control	95.00	a-d	10.39	Ab	7.92	a-d	58.67	c-f	2.09	s1-m2
AC18,Control	91.67	b-g	8.23	i-u	7.40	b-m	56.27	d-g	2.28	l1-f2
AC19,Control	88.33	d-i	9.04	e-j	7.16	e-q	64.06	abc	2.44	fl-y1
AC20,Control	88.33	d-i	7.22	v-h1	6.92	f-v	68.97	a	2.83	s-m1
AC21,Control	88.33	d-i	7.18	w-h1	6.85	h-y	52.21	f-m	1.99	v1-n2
AC22,Control	91.67	b-g	7.39	u-g1	6.30	u-k1	54.11	f-k	2.29	k1-e2
AC23,Control	91.67	b-g	8.35	i-t	6.37	s-i1	50.76	g-n	1.87	z1-p2
AC24,Control	88.33	d-i	7.36	u-g1	7.24	d-q	54.52	e-j	2.37	il-c2
AC25,Control	91.67	b-g	10.00	a-e	7.23	d-q	56.29	d-g	2.41	h1-a1
AC26,Control	95.00	a-d	9.79	b-f	7.11	e-t	48.30	j-s	1.98	v1-n2
AC27,Control	91.67	b-g	8.77	g-m	6.34	t-j1	33.56	r1-p2	1.80	d2-q2
AC28,Control	91.67	b-g	9.97	b-e	7.07	f-u	58.93	c-f	2.07	t1-m2
AC29,Control	91.67	b-g	10.93	a	8.12	abc	61.92	a-d	2.33	j1-d2
AC30,Control	71.67	q-t	9.68	b-g	7.44	b-l	52.33	f-m	2.78	v-o1
AC31,Control	91.67	b-g	8.96	f-k	6.79	i-z	44.57	n-d1	2.06	u1-m2
AC32,Control	93.33	a-f	9.42	c-h	7.35	c-o	44.54	n-d1	1.89	y1-p2
AC33,Control	69.33	r-u	8.43	i-s	6.71	k-b1	44.16	n-e1	2.11	s1-m2
AC34,Control	94.67	a-e	8.70	h-n	6.82	i-z	45.86	m-b1	1.99	v1-n2
AC35,Control	85.33	f-l	7.69	p-d1	6.17	v-l1	49.09	h-q	1.99	v1-n2
AC36,Control	94.67	a-e	8.54	h-p	6.12	w-m1	47.79	j-u	1.92	x1-o2
AC37,Control	93.33	a-f	7.07	y-i1	5.68	h1-r1	47.87	j-u	1.90	y1-p2
AC38,Control	92.00	a-g	7.07	y-i1	5.76	g1-p1	43.47	o-g1	1.68	k2-r2
AC39,Control	97.33	abc	8.47	h-q	6.80	i-z	42.93	p-i1	1.71	g2-r2
AC40,Control	92.00	a-g	7.93	m-z	7.04	f-u	47.02	k-v	1.89	y1-p2
AC41,Control	98.67	ab	8.96	f-k	6.98	f-u	46.01	m-a1	1.69	i2-r2
AC42,Control	96.00	a-d	9.15	d-i	7.70	a-f	41.85	r-o1	1.21	r2-u2
AC43,Control	98.67	ab	8.01	k-y	7.51	b-j	36.73	g1-d2	1.39	o2-u2
AC44,Control	94.67	a-e	8.91	f-l	7.35	c-o	61.64	bcd	2.58	b1-u1
AC45,Control	86.67	e-k	7.18	w-h1	6.62	m-d1	45.85	m-b1	2.06	u1-m2
AC46,Control	93.33	a-f	8.01	k-y	6.81	i-z	46.52	l-y	2.03	u1-m2
AC47,Control	90.67	b-h	8.04	k-x	7.55	b-i	35.41	l1-j2	1.30	q2-u2
AC48,Control	93.33	a-f	8.16	j-v	7.56	b-i	35.20	n1-k2	1.19	r2-u2
AC49,Control	84.00	g-m	7.83	m-a1	6.78	i-z	50.12	g-o	1.92	x1-o2
AC50,Control	90.67	b-h	9.18	d-i	8.14	abc	37.19	e1-c2	1.55	m2-t2
AC51,Control	84.00	g-m	8.60	h-p	7.69	a-g	58.11	c-f	2.29	k1-e2
AC52,Control	85.33	f-l	7.91	m-z	6.64	m-d1	39.07	a1-w1	1.85	a2-q2
AC53,Control	85.33	f-l	8.59	h-p	6.90	g-w	47.33	k-u	1.73	e2-r2
AC54,Control	89.33	c-i	9.01	f-j	7.57	b-i	41.39	s-o1	1.69	i2-r2
AC55,Control	86.67	e-k	8.13	j-w	6.74	j-a1	47.27	k-u	1.79	d2-q2
AC56,Control	85.33	f-l	9.07	e-j	6.49	p-g1	41.18	t-q1	1.79	d2-q2
AC57,Control	84.00	g-m	9.73	b-f	7.70	a-f	39.62	y-t1	1.97	w1-n2
AC58,Control	93.33	a-f	8.72	h-n	7.50	b-j	56.46	d-g	2.31	k1-d2
AC59,Control	89.33	c-i	7.93	m-z	7.26	d-p	46.35	l-z	1.99	v1-n2
AC60,Control	96.00	a-d	10.08	a-d	7.02	f-u	53.40	f-l	2.05	u1-m2
AC61,Control	97.33	abc	8.58	h-p	7.11	e-t	39.14	a1-v1	1.59	l2-t2
AC62,Control	92.00	a-g	8.45	i-r	6.87	h-x	42.64	q-k1	2.35	j1-d2
AC63,Control	97.33	abc	9.04	e-j	8.41	a	41.11	u-q1	1.63	k2-s2
AC64,Control	97.33	abc	10.16	abc	7.86	a-e	44.05	n-f1	2.15	s1-l2
AC1,PEG-7.5	78.33	l-q	2.92	g3-l3	4.27	d2-p2	41.30	s-o1	3.52	d-o
AC2,PEG-7.5	78.33	l-q	2.70	j3-l3	4.57	y1-l2	41.32	s-o1	2.65	y-s1

AC3,PEG-7.5	70.00	r-u	5.46	x1-k2	5.82	e1-p1	35.78	j1-i2	2.40	h1-a2
AC4,PEG-7.5	100.00	a	6.47	g1-v1	4.86	t1-f2	42.90	p-i1	2.37	i1-c2
AC5,PEG-7.5	83.33	h-m	5.69	r1-g2	6.39	r-i1	33.00	r1-r2	1.83	b2-q2
AC6,PEG-7.5	100.00	a	5.52	v1-j2	5.38	l1-x1	26.25	q2-z2	1.90	y1-p2
AC7,PEG-7.5	91.67	b-g	6.20	i1-y1	6.16	v-l1	37.12	e1-c2	2.32	k1-d2
AC8,PEG-7.5	73.33	o-t	4.56	k2-x2	4.52	a2-l2	45.45	m-c1	3.57	c-n
AC9,PEG-7.5	96.67	abc	6.99	z-j1	6.15	v-l1	39.35	z-v1	2.80	t-o1
AC10,PEG-7.5	83.33	h-m	6.69	e1-q1	6.58	n-e1	56.78	d-g	3.92	b-e
AC11,PEG-7.5	78.33	l-q	5.49	w1-k2	5.50	l1-v1	30.68	c2-w2	1.43	n2-u2
AC12,PEG-7.5	85.00	g-l	7.49	s-f1	6.34	t-j1	39.88	w-r1	3.15	j-a1
AC13,PEG-7.5	55.00	wx	2.21	l3	5.84	d1-p1	44.15	n-e1	2.95	p-h1
AC14,PEG-7.5	78.33	l-q	4.83	g2-t2	4.86	t1-f2	32.20	v1-t2	2.27	m1-g2
AC15,PEG-7.5	85.00	g-l	7.44	t-f1	4.60	x1-j2	48.23	j-t	3.72	c-i
AC16,PEG-7.5	88.33	d-i	4.98	e2-s2	6.03	z-n1	37.02	f1-c2	2.85	r-k1
AC17,PEG-7.5	88.33	d-i	7.57	q-e1	5.09	p1-c2	46.90	l-w	2.93	p-h1
AC18,PEG-7.5	85.00	g-l	5.80	p1-f2	3.98	h2-t2	25.31	t2-z2	2.15	s1-l2
AC19,PEG-7.5	80.00	j-p	6.99	z-j1	5.35	m1-y1	44.20	n-e1	3.09	k-c1
AC20,PEG-7.5	81.67	i-n	6.64	e1-s1	4.64	w1-j2	52.19	f-m	3.75	c-h
AC21,PEG-7.5	86.67	e-k	6.16	i1-z1	5.68	h1-s1	48.31	j-s	3.19	h-z
AC22,PEG-7.5	90.00	c-h	5.53	u1-i2	4.31	c2-n2	47.68	j-u	2.79	u-o1
AC23,PEG-7.5	86.67	e-k	5.63	t1-h2	5.12	p1-b2	36.27	h1-g2	2.25	o1-i2
AC24,PEG-7.5	88.33	d-i	5.69	s1-g2	5.12	p1-b2	42.92	p-i1	2.41	h1-a2
AC25,PEG-7.5	85.00	g-l	6.55	f1-t1	5.14	o1-b2	44.07	n-f1	2.85	r-k1
AC26,PEG-7.5	93.33	a-f	6.92	a1-l1	6.08	x-n1	38.55	c1-z1	2.35	j1-d2
AC27,PEG-7.5	91.67	b-g	6.95	a1-k1	5.55	j1-u1	31.67	z1-t2	2.30	k1-d2
AC28,PEG-7.5	90.00	c-h	6.66	e1-q1	5.38	l1-x1	45.90	m-b1	3.20	h-z
AC29,PEG-7.5	90.00	c-h	6.92	a1-k1	5.14	o1-b2	42.05	q-n1	3.49	d-p
AC30,PEG-7.5	58.33	wx	4.23	o2-a3	4.12	e2-s2	44.14	n-e1	3.25	h-y
AC31,PEG-7.5	91.67	b-g	6.38	h1-x1	5.07	p1-c2	39.75	x-s1	2.73	y-q1
AC32,PEG-7.5	90.00	c-h	6.92	a1-k1	6.46	g-h1	39.93	v-r1	2.47	f1-x1
AC33,PEG-7.5	72.00	p-t	4.18	q2-b3	4.75	v1-h2	35.63	k1-j2	2.49	d1-w1
AC34,PEG-7.5	89.33	c-i	6.81	c1-o1	5.92	b1-o1	39.51	y-t1	1.99	v1-n2
AC35,PEG-7.5	84.00	g-m	5.18	a2-n2	4.88	s1-e2	42.75	p-j1	2.92	q-i1
AC36,PEG-7.5	86.67	e-k	6.48	g1-u1	5.13	o1-b2	43.22	o-h1	2.77	w-o1
AC37,PEG-7.5	80.00	j-p	5.31	y1-m2	4.55	z1-l2	42.43	q-l1	2.76	w-p1
AC38,PEG-7.5	92.00	a-g	5.89	o1-e2	4.89	r1-e2	38.83	b1-y1	2.39	h1-b2
AC39,PEG-7.5	96.00	a-d	5.95	m1-c2	4.53	a2-l2	37.23	e1-c2	2.47	f1-x1
AC40,PEG-7.5	86.67	e-k	6.73	e1-p1	5.34	m1-z1	41.99	q-n1	2.73	y-r1
AC41,PEG-7.5	92.00	a-g	6.38	h1-x1	5.60	i1-t1	39.55	y-t1	2.05	u1-m2
AC42,PEG-7.5	96.00	a-d	6.75	d1-p1	6.15	v-l1	35.95	i1-i2	1.35	p2-u2
AC43,PEG-7.5	94.67	a-e	6.90	a1-m1	7.15	e-s	33.29	r1-q2	2.15	s1-l2
AC44,PEG-7.5	92.00	a-g	6.94	a1-k1	5.98	a1-n1	49.81	g-p	2.99	o-g1
AC45,PEG-7.5	86.67	e-k	6.34	h1-x1	5.52	k1-v1	41.69	r-o1	2.63	a1-t1
AC46,PEG-7.5	93.33	a-f	6.05	j1-b2	5.43	l1-w1	38.44	c1-a2	2.19	q1-k2
AC47,PEG-7.5	94.67	a-e	7.39	u-g1	7.10	e-t	29.71	d2-x2	2.13	s1-l2
AC48,PEG-7.5	92.00	a-g	7.49	r-f1	7.11	e-t	31.93	y1-t2	1.83	b2-q2
AC49,PEG-7.5	77.33	l-r	6.44	g1-w1	5.57	j1-u1	41.29	s-p1	2.25	o1-i2
AC50,PEG-7.5	86.67	e-k	7.84	m-a1	6.56	o-f1	33.34	r1-q2	2.17	r1-k2
AC51,PEG-7.5	84.00	g-m	6.22	i1-y1	5.71	g1-p1	36.57	g1-e2	2.17	r1-k2
AC52,PEG-7.5	84.00	g-m	6.55	f1-t1	5.79	f1-p1	40.08	v-r1	2.48	e1-x1
AC53,PEG-7.5	84.00	g-m	6.80	c1-o1	5.31	n1-a2	36.93	g1-c2	3.09	k-c1
AC54,PEG-7.5	88.00	d-j	7.98	l-y	7.20	e-q	32.03	w1-t2	2.31	k1-d2
AC55,PEG-7.5	85.33	f-l	6.32	h1-x1	5.15	o1-b2	38.61	c1-z1	2.98	o-g1
AC56,PEG-7.5	84.00	g-m	6.60	f1-s1	5.87	c1-p1	38.13	d1-b2	2.77	v-o1
AC57,PEG-7.5	78.67	k-q	5.52	u1-i2	5.56	j1-u1	35.95	i1-i2	2.89	r-j1
AC58,PEG-7.5	89.33	c-i	4.70	h2-u2	4.04	f2-t2	37.97	d1-b2	2.65	z-s1
AC59,PEG-7.5	86.67	e-k	5.94	n1-d2	5.55	j1-u1	37.10	e1-c2	3.05	m-d1
AC60,PEG-7.5	93.33	a-f	6.85	b1-n1	5.80	e1-p1	42.33	q-m1	2.32	k1-d2
AC61,PEG-7.5	97.33	abc	7.20	v-h1	6.80	i-z	31.40	a2-u2	1.67	k2-r2
AC62,PEG-7.5	89.33	c-i	7.25	v-h1	6.78	i-z	36.19	h1-h2	2.54	c1-v1
AC63,PEG-7.5	93.33	a-f	7.10	x-i1	6.81	i-z	34.15	q1-m2	2.29	k1-e2
AC64,PEG-7.5	94.67	a-e	5.58	u1-i2	4.58	y1-l2	35.87	i1-i2	2.49	d1-w1
AC1,PEG-15	91.67	b-g	3.58	y2-j3	2.70	a3-c3	28.87	i2-z2	4.12	bc
AC2,PEG-15	83.33	h-m	4.29	n2-a3	3.46	r2-a3	23.82	v2-b3	2.75	x-q1
AC3,PEG-15	68.33	stu	2.74	i3-l3	2.96	y2-c3	28.02	l2-z2	3.53	d-o
AC4,PEG-15	90.00	c-h	2.82	h3-l3	1.83	d3e3	32.68	s1-r2	2.93	p-h1
AC5,PEG-15	81.67	i-n	3.09	f3-l3	2.43	c3d3	16.72	b3	2.43	g1-z1
AC6,PEG-15	91.67	b-g	3.11	e3-k3	3.05	w2-c3	26.58	p2-z2	3.35	f-u

AC7,PEG-15	80.00	j-p	4.41	m2-z2	3.80	l2-w2	28.90	i2-z2	2.80	t-o1
AC8,PEG-15	46.67	y	2.01	m3	1.36	e3f3	34.12	q1-m2	5.00	a
AC9,PEG-15	90.00	c-h	5.63	t1-h2	4.07	f2-t2	34.18	p1-m2	3.48	d-q
AC10,PEG-15	83.33	h-m	3.86	t2-f3	3.61	n2-y2	33.22	r1-r2	4.42	b
AC11,PEG-15	46.67	y	3.85	u2-f3	3.81	k2-w2	24.52	u2-a3	1.80	d2-q2
AC12,PEG-15	85.00	g-l	6.01	k1-c2	4.45	b2-m2	28.93	i2-z2	3.03	n-e1
AC13,PEG-15	20.00	z	0.83	n3	1.00	F3	17.55	a3b3	3.10	k-c1
AC14,PEG-15	76.67	m-r	3.68	w2-i3	3.43	r2-a3	25.28	t2-z2	2.93	p-h1
AC15,PEG-15	88.33	d-i	5.96	l1-c2	3.05	w2-c3	36.40	g1-f2	3.62	c-l
AC16,PEG-15	78.33	l-q	3.65	w2-j3	4.16	d2-s2	28.37	k2-z2	2.20	p1-i2
AC17,PEG-15	81.67	i-n	5.93	n1-e2	2.95	y2-c3	33.73	r1-o2	3.31	f-x
AC18,PEG-15	81.67	i-n	5.17	a2-n2	3.43	s2-a3	37.97	d1-b2	3.83	c-g
AC19,PEG-15	71.67	q-t	6.32	h1-x1	3.28	t2-b3	37.01	f1-c2	3.99	bcd
AC20,PEG-15	75.00	n-s	6.03	k1-b2	3.88	j2-v2	38.32	d1-b2	4.42	b
AC21,PEG-15	78.33	l-q	4.71	h2-u2	2.62	b3c3	32.58	t1-s2	3.06	l-c1
AC22,PEG-15	78.33	l-q	5.15	a2-p2	3.28	t2-b3	28.59	j2-z2	2.99	o-g1
AC23,PEG-15	85.00	g-l	4.64	i2-w2	3.42	s2-a3	27.79	l2-z2	2.54	c1-v1
AC24,PEG-15	83.33	h-m	5.23	z1-m2	3.49	p2-a3	27.89	l2-z2	2.99	o-g1
AC25,PEG-15	81.67	i-n	5.06	c2-r2	3.92	i2-u2	38.31	d1-b2	3.37	e-s
AC26,PEG-15	90.00	c-h	3.21	b3-j3	4.00	g2-t2	23.71	w2-b3	2.48	e1-x1
AC27,PEG-15	91.67	b-g	3.20	b3-j3	3.49	p2-a3	22.44	y2-b3	2.57	c1-u1
AC28,PEG-15	86.67	e-k	5.22	z1-n2	3.47	q2-a3	36.79	g1-d2	3.61	c-m
AC29,PEG-15	85.00	g-l	5.09	b2-q2	3.89	j2-v2	34.08	q1-n2	3.37	e-s
AC30,PEG-15	53.33	xy	3.72	w2-h3	2.94	y2-c3	30.70	c2-w2	4.01	bcd
AC31,PEG-15	88.33	d-i	4.99	d2-s2	3.29	t2-b3	30.85	c2-v2	3.19	h-z
AC32,PEG-15	86.67	e-k	4.81	g2-u2	3.60	n2-y2	29.21	g2-y2	3.14	j-b1
AC33,PEG-15	60.00	vwxy	3.32	b3-j3	3.07	w2-c3	33.83	r1-o2	3.00	o-f1
AC34,PEG-15	85.33	f-l	4.92	f2-s2	3.60	n2-y2	28.65	j2-z2	2.33	j1-d2
AC35,PEG-15	66.67	tuv	3.47	z2-j3	3.11	v2-c3	30.30	c2-x2	2.78	v-o1
AC36,PEG-15	81.33	i-o	4.91	f2-s2	3.87	j2-v2	35.23	m1-j2	3.69	c-j
AC37,PEG-15	62.67	uvw	3.64	x2-j3	2.76	z2-c3	31.23	b2-u2	3.69	c-j
AC38,PEG-15	90.67	b-h	4.08	r2-d3	3.07	w2-c3	26.15	r2-z2	2.79	u-o1
AC39,PEG-15	90.67	b-h	5.15	a2-o2	2.93	y2-c3	26.87	o2-z2	2.81	s-n1
AC40,PEG-15	78.67	k-q	4.68	h2-v2	3.78	l2-x2	36.37	g1-f2	3.36	e-t
AC41,PEG-15	86.67	e-k	4.02	s2-e3	3.53	n2-z2	27.96	l2-z2	2.32	k1-d2
AC42,PEG-15	85.33	f-l	4.11	q2-b3	4.07	f2-t2	22.09	z2-b3	1.69	i2-r2
AC43,PEG-15	86.67	e-k	5.44	x1-l2	4.26	d2-q2	23.37	x2-b3	2.26	n1-h2
AC44,PEG-15	72.00	p-t	3.82	v2-g3	3.17	u2-c3	35.55	k1-j2	3.32	f-w
AC45,PEG-15	80.00	j-p	5.17	a2-n2	5.15	o1-b2	33.05	r1-r2	3.13	j-b1
AC46,PEG-15	84.00	g-m	4.11	r2-c3	4.01	g2-t2	32.54	t1-s2	2.84	r-l1
AC47,PEG-15	80.00	j-p	4.19	p2-a3	4.31	c2-o2	26.99	n2-z2	2.03	u1-m2
AC48,PEG-15	76.00	m-s	4.53	l2-y2	4.31	c2-o2	25.47	s2-z2	1.99	v1-n2
AC49,PEG-15	81.33	i-o	4.07	s2-e3	3.52	o2-z2	31.96	x1-t2	3.09	k-c1
AC50,PEG-15	86.67	e-k	7.24	v-h1	4.23	d2-p2	29.10	h2-z2	2.91	r-i1
AC51,PEG-15	81.33	i-o	2.69	k3l3	3.87	j2-v2	33.43	r1-p2	3.39	e-r
AC52,PEG-15	81.33	i-o	4.65	i1-v2	3.69	m2-y2	31.53	z1-u2	3.27	g-y
AC53,PEG-15	85.33	f-l	6.37	h1-x1	4.92	q1-d2	32.23	v1-t2	3.63	c-k
AC54,PEG-15	90.67	b-h	7.45	t-f1	4.70	w1-i2	29.52	e2-y2	3.33	f-v
AC55,PEG-15	86.67	e-k	7.22	v-h1	4.62	x1-j2	32.05	v1-t2	2.29	k1-e2
AC56,PEG-15	84.00	g-m	8.02	k-y	4.77	u1-g2	34.87	o1-l2	2.04	u1-m2
AC57,PEG-15	77.33	l-r	5.10	a2-p2	4.50	b2-l2	30.79	c2-w2	3.39	e-r
AC58,PEG-15	90.67	b-h	3.18	c3-k3	3.47	q2-a3	32.24	u1-t2	3.07	k-c1
AC59,PEG-15	77.33	l-r	5.74	q1-g2	4.44	b2-m2	27.26	m2-z2	3.07	k-c1
AC60,PEG-15	78.67	k-q	5.33	y1-l2	4.86	f1-f2	38.39	c1-a2	3.83	c-f
AC61,PEG-15	94.67	a-e	6.34	h1-x1	4.42	b2-m2	26.13	r2-z2	2.15	s1-l2
AC62,PEG-15	80.00	j-p	6.65	e1-r1	4.43	b2-m2	29.45	f2-y2	3.59	c-n
AC63,PEG-15	92.00	a-g	6.06	j1-a2	6.07	y-n1	26.72	o2-z2	2.29	k1-e2
AC64,PEG-15	88.00	d-j	4.02	t2-f3	3.00	x2-c3	36.33	h1-f2	3.15	i-a1

GP: germination percentage, RL: root length, SL: shoot length, FW: fresh weight, DW: dry weight. Different letters denote a statistically significant variation in mean values measured by Duncan's Multiple-Range Test ($p \leq 0.01$).

Table S6. The mean values of **biochemical** traits under control (0% PEG) condition of drought.

Accessions	PC		SSC		TPC		AC		GPA		CAT		LP	
AC1	268.87	ai	104.07	t-aa	84.23	h-k	587.57	i-l	0.218	d-j	103.90	b-h	4.39	r-u
AC2	688.87	x-ab	128.15	n-r	89.85	fgh	599.73	e-i	0.186	f-m	25.97	m	3.73	z-ac
AC3	798.36	r-v	140.49	k-n	79.74	h-o	634.86	bc	0.129	k-n	45.45	j-m	4.44	r-u
AC4	487.85	ae-af	106.85	s-z	127.87	ab	500.41	abac	0.226	d-i	32.47	lm	3.79	y-ab
AC5	602.72	ab-ad	114.88	q-w	70.00	o-v	599.73	e-i	0.250	a-g	45.45	j-m	6.82	a
AC6	376.56	agah	124.75	n-s	131.80	a	486.89	acad	0.226	d-i	149.35	a	5.95	cd
AC7	313.74	ahai	121.67	n-u	98.28	efg	640.27	ab	0.323	ab	90.91	d-i	3.53	ab-af
AC8	696.05	y-ab	66.42	ad	98.84	efg	592.97	g-j	0.137	j-n	123.38	a-e	4.40	r-u
AC9	678.10	y-ab	139.57	k-o	111.39	cd	541.62	p-v	0.089	n	97.40	c-i	4.63	p-s
AC10	983.23	j-m	140.80	k-n	86.67	hij	613.24	de	0.129	k-n	97.40	c-i	4.94	j-p
AC11	466.31	ae-ag	103.15	u-aa	60.26	u-ab	653.78	a	0.194	e-m	38.96	klm	3.34	ae-af
AC12	681.69	y-ab	137.10	m-p	88.54	ghi	548.38	o-t	0.274	a-e	84.42	e-j	5.24	g-j
AC13	651.18	a-b	110.56	r-x	65.69	q-x	530.14	u-y	0.202	d-l	71.43	g-l	4.24	t-x
AC14	767.85	t-z	190.19	b-e	118.13	bc	540.95	p-v	0.234	c-i	149.35	a	3.68	aa-ad
AC15	1144.77	e-h	158.09	g-l	124.31	ab	553.78	opq	0.121	lmn	64.94	h-m	5.40	fg
AC16	857.59	n-t	108.70	r-y	104.08	de	556.49	nop	0.113	mn	116.88	a-f	4.24	t-x
AC17	1121.44	f-i	154.07	i-m	83.11	h-m	531.49	t-y	0.186	f-m	103.90	b-h	4.19	u-x
AC18	1388.87	b	85.56	aa-ad	81.61	h-n	601.08	e-i	0.161	h-n	123.38	a-e	2.98	ag
AC19	1135.79	e-h	94.81	x-ac	80.49	h-o	601.76	e-i	0.089	n	149.35	a	4.61	qrs
AC20	925.79	k-o	120.43	o-u	70.00	o-v	605.14	d-h	0.169	g-n	90.91	d-i	3.29	af
AC21	916.82	l-p	180.62	c-f	89.29	gh	621.35	cd	0.169	g-n	123.38	a-e	3.61	a-e
AC22	1263.23	cd	173.52	e-i	75.24	k-r	602.43	e-i	0.186	f-m	84.42	e-j	4.69	n-r
AC23	909.64	l-q	113.33	q-x	51.84	z-ab	590.95	h-k	0.282	a-d	103.90	b-h	5.60	ef
AC24	764.26	t-z	183.09	b-f	64.38	r-y	570.68	mn	0.161	h-n	110.39	a-g	4.47	r-u
AC25	1065.79	g-j	118.89	p-u	59.33	v-ab	609.19	d-g	0.266	a-f	142.86	ab	5.29	ghi
AC26	916.82	l-p	180.62	c-f	77.87	i-p	532.16	s-y	0.266	a-f	123.38	a-e	5.08	h-m
AC27	810.92	q-v	128.46	n-r	77.30	j-p	486.22	acad	0.234	c-i	71.43	g-l	3.38	ad-af
AC28	1055.03	hij	171.05	e-j	49.96	ab	552.43	o-r	0.242	b-h	71.43	g-l	6.19	bc
AC29	545.28	ac-ae	175.37	d-h	63.45	s-y	546.35	o-u	0.202	d-l	149.35	a	5.94	cd
AC30	791.18	s-w	159.01	g-k	68.31	p-w	599.73	e-i	0.226	d-i	97.40	c-i	4.52	rst
AC31	785.79	s-x	158.09	g-l	70.94	n-u	515.27	y-ab	0.210	d-k	149.35	a	4.89	l-q
AC32	1320.67	bc	132.78	n-q	80.30	h-o	520.68	x-aa	0.210	d-k	58.44	i-m	4.65	o-s
AC33	839.64	n-u	96.98	v-ab	63.82	s-y	573.38	lm	0.210	d-k	136.36	abc	3.31	ae-af
AC34	518.36	ad-af	79.38	aa-ad	83.48	h-l	563.24	mno	0.202	d-l	38.96	klm	3.61	ab-ae
AC35	764.26	t-z	156.23	h-m	74.12	k-s	549.05	o-s	0.186	f-m	116.88	a-f	5.23	ghij
AC36	778.62	s-y	104.38	t-aa	81.99	h-n	601.76	e-i	0.137	j-n	97.40	c-i	5.92	cd
AC37	1123.23	f-i	154.38	i-m	62.70	t-z	595.68	f-i	0.218	d-j	71.43	g-l	5.21	g-k
AC38	825.28	o-v	106.23	s-z	58.58	w-ab	546.35	o-u	0.153	i-n	58.44	i-m	5.37	fgh
AC39	1403.23	b	138.95	l-o	89.66	fgh	526.08	v-z	0.169	g-n	58.44	i-m	3.95	x-aa
AC40	936.56	k-n	108.70	r-y	59.33	v-ab	550.41	o-r	0.121	lmn	129.87	a-d	4.35	s-v
AC41	731.95	v-aa	95.12	w-ac	54.64	x-ab	529.46	u-y	0.161	h-n	90.91	d-i	4.03	w-z
AC42	1697.59	a	214.57	a	67.57	p-w	540.27	p-v	0.282	a-d	71.43	g-l	3.39	ad-af
AC43	620.67	abac	67.96	ad	62.51	t-aa	519.32	x-aa	0.178	g-m	71.43	g-l	3.84	y-ab
AC44	880.92	n-s	176.30	d-g	79.93	h-o	605.14	d-h	0.202	d-l	71.43	g-l	4.60	qrs
AC45	439.38	af-ag	152.84	j-m	76.37	j-q	576.76	j-m	0.194	e-m	58.44	i-m	6.45	b
AC46	740.92	u-aa	88.64	z-ac	81.24	h-o	535.54	r-x	0.153	i-n	84.42	e-j	5.76	de
AC47	845.03	n-t	104.38	t-aa	72.25	l-t	470.68	adae	0.274	a-e	90.91	d-i	3.37	ad-af
AC48	1191.44	def	166.11	f-j	58.39	w-ab	575.41	klm	0.323	ab	90.91	d-i	3.73	z-ac
AC49	1159.13	efg	160.56	g-j	82.36	h-m	611.89	def	0.250	a-g	71.43	g-l	5.24	g-j
AC50	801.95	r-v	160.86	g-j	105.58	de	508.51	aa-ab	0.331	a	71.43	g-l	3.32	aeaf
AC51	796.56	r-w	103.15	u-aa	53.33	y-ab	576.08	klm	0.194	e-m	77.92	f-k	4.95	j-o
AC52	1406.82	b	201.30	ab	63.82	s-y	578.78	j-m	0.153	i-n	64.94	h-m	4.98	i-n
AC53	1024.51	ijk	75.68	ac-ad	51.09	ab	538.24	q-w	0.121	lmn	77.92	f-k	4.27	t-w
AC54	496.82	ae-af	107.16	s-z	88.91	ghi	486.22	acad	0.331	a	77.92	f-k	6.37	b
AC55	927.59	k-n	123.21	n-t	51.46	aaab	551.08	o-r	0.169	g-n	77.92	f-k	3.94	x-aa
AC56	543.49	ac-ae	90.56	y-ac	80.86	h-o	548.38	o-t	0.153	i-n	116.88	a-f	4.90	k-q
AC57	676.31	z-ab	77.53	ab-ad	77.12	j-p	603.11	e-i	0.218	d-j	64.94	h-m	5.21	g-l
AC58	645.79	aaab	195.74	bc	59.14	v-ab	472.03	adae	0.169	g-n	58.44	i-m	3.32	aeaf
AC59	819.90	p-v	104.69	t-aa	100.15	ef	553.78	opq	0.274	a-e	149.35	a	4.84	m-q
AC60	895.28	m-r	115.19	q-v	50.71	ab	461.89	ae	0.194	e-m	58.44	i-l	3.81	y-ab
AC61	1006.56	j-l	192.96	bcd	88.73	ghi	522.03	w-aa	0.218	d-j	71.43	g-l	5.19	g-l
AC62	674.51	z-ab	77.22	ac-ad	72.06	m-t	510.54	z-ab	0.153	i-n	84.42	e-j	3.44	ac-af
AC63	1064.00	g-j	85.56	aa-ad	89.48	fgh	521.35	w-aa	0.274	a-e	71.43	g-l	4.05	v-y
AC64	1227.33	cde	110.56	r-x	88.91	ghi	530.14	u-y	0.202	d-l	64.94	h-m	4.90	k-q

PC: proline content, SSC: soluble sugar content, TPC: total phenolic content, AC: antioxidant activity, GPA: guaiacol peroxidase activity, CAT: catalase activity, LP: lipid peroxidation. Different letters denote a statistically significant variation in mean values measured by Duncan's Multiple-Range Test ($p \leq 0.01$).

Table S7. The mean values of **biochemical** traits under 7.5% PEG-induced condition.

Accessions	PC		SSC		TPC		AC		GPA		CAT		LP
AC1	841.44	afag	130.62	adae	225.24	yz	697.03	e	0.420	d-g	149.35	nop	6.19 lm
AC2	739.13	ahai	167.96	u	259.70	t	664.59	m-q	0.347	k-o	84.42	u	4.90 aa
AC3	897.08	aeaf	186.79	pqr	234.98	wx	717.30	b	0.266	u	142.86	opq	5.37 vw
AC4	1042.46	ac	154.69	wxy	398.09	f	674.05	jk	0.428	def	175.32	jkl	4.06 ag
AC5	1295.54	wx	178.15	st	242.85	v	663.92	n-q	0.339	l-p	142.86	opq	7.79 b
AC6	631.44	aj	181.54	rst	403.52	e	695.68	e	0.428	def	227.27	cd	7.13 ef
AC7	638.62	aj	145.43	z-ab	225.62	yz	719.32	b	0.371	i-l	149.35	nop	4.60 acad
AC8	794.77	agai	141.11	abac	133.11	ak	642.30	uv	0.186	w	162.34	lmn	6.71 j
AC9	2270.15	f	167.04	u	312.13	n	722.70	b	0.347	k-o	279.22	b	5.31 wx
AC10	1205.79	yz	147.28	z-ab	166.63	agah	679.46	g-j	0.202	vw	162.34	lmn	6.42 k
AC11	617.08	aj	146.36	z-ab	92.85	al	736.89	a	0.274	tu	129.87	qr	5.47 uv
AC12	1345.79	uvw	144.20	z-ab	214.01	ab	651.08	t	0.387	g-j	162.34	lmn	6.71 j
AC13	726.56	ai	136.17	acad	139.10	aj	610.54	z	0.266	u	90.91	u	6.63 j
AC14	845.03	afag	218.58	k	198.84	adae	559.19	ab	0.315	o-s	188.31	hij	5.15 z
AC15	1991.95	i	230.82	ij	214.57	ab	613.85	yz	0.420	d-g	194.81	ghi	6.47 k
AC16	1067.59	abac	181.23	rst	185.54	af	584.86	aa	0.379	h-k	188.31	hij	5.55 tu
AC17	1701.18	no	189.57	opq	220.37	zaa	636.89	v	0.323	n-r	188.31	hij	5.84 qr
AC18	1668.87	op	125.99	ae	170.75	ag	688.92	f	0.282	stu	149.35	nop	5.23 xyz
AC19	1376.31	tuv	131.23	adae	154.83	ai	654.46	st	0.218	v	188.31	hij	6.21 lm
AC20	1019.13	ac	195.74	mno	164.01	ah	645.00	u	0.282	stu	162.34	lmn	5.27 wxy
AC21	1304.51	wx	244.51	fg	204.46	ac	697.03	e	0.307	p-t	188.31	hij	5.32 wx
AC22	1711.95	no	219.20	k	194.16	ae	706.49	cd	0.323	n-r	168.83	klm	6.06 no
AC23	1430.15	st	219.51	k	201.09	acad	677.43	ij	0.428	def	175.32	jkl	7.31 d
AC24	1317.08	vw	233.09	ij	248.46	u	738.92	a	0.323	n-r	214.29	def	5.73 rs
AC25	1157.33	zaa	241.42	hi	220.75	zaa	662.57	opq	0.371	i-l	201.30	fgh	6.90 i
AC26	2462.21	e	305.93	b	332.73	l	684.86	fg	0.379	h-k	233.77	c	5.92 pq
AC27	2205.54	g	258.09	e	366.25	h	665.27	m-p	0.476	bc	220.78	cde	3.77 ai
AC28	2521.44	d	276.60	c	290.22	p	678.11	hij	0.395	f-i	220.78	cde	7.16 e
AC29	1119.64	aaab	227.84	j	272.43	r	668.65	k-n	0.307	p-t	188.31	hij	7.47 c
AC30	751.69	ahai	166.11	u	149.78	ai	684.86	fg	0.339	l-p	149.35	nop	6.66 j
AC31	1611.44	pq	196.36	mn	339.10	k	641.62	uv	0.363	i-m	214.29	def	5.18 yz
AC32	1918.36	j	229.69	ij	358.39	i	631.49	w	0.420	d-g	201.30	fgh	5.29 wxy
AC33	1011.95	acad	126.30	ae	183.67	af	659.86	pqrs	0.282	stu	214.29	def	5.45 uv
AC34	1738.87	mn	156.85	wx	311.01	n	656.49	rst	0.444	de	175.32	jkl	4.60 acad
AC35	1187.85	yz	146.98	z-ab	171.31	ag	643.65	u	0.266	u	155.84	mno	6.95 hi
AC36	1317.08	vw	134.01	ad	219.06	aaab	666.62	l-o	0.299	q-u	162.34	lmn	7.10 efg
AC37	1209.38	yz	200.68	lm	149.78	ai	697.03	e	0.331	m-q	149.35	nop	7.08 efg
AC38	2072.72	h	204.38	l	336.67	kl	640.95	uv	0.355	j-n	188.31	hij	5.63 st
AC39	2643.49	b	309.94	b	370.94	h	698.38	e	0.387	g-j	188.31	hij	4.76 ab
AC40	1381.69	stu	149.14	yz	237.98	vw	659.19	qrs	0.379	h-k	149.35	nop	5.82 qr
AC41	1412.21	st	191.73	nop	326.93	m	655.81	rst	0.363	i-m	149.35	nop	4.79 ab
AC42	2458.62	e	233.40	ij	395.84	f	680.14	ghi	0.452	cd	181.82	ijk	3.90 ah
AC43	1414.00	st	192.96	nop	421.87	d	688.92	f	0.290	r-u	168.83	klm	4.52 ad-af
AC44	1040.67	ac	214.57	k	205.77	ac	664.59	m-q	0.387	g-j	110.39	st	5.55 tu
AC45	1078.36	abac	248.21	f	249.96	u	684.19	fg	0.282	stu	97.40	tu	7.97 a
AC46	1699.38	no	177.84	st	379.74	g	671.35	kl	0.347	k-o	162.34	lmn	6.11 mn
AC47	2108.62	h	141.73	aa-ac	396.03	f	616.62	xy	0.411	e-h	168.83	klm	3.87 ahai
AC48	1819.64	kl	235.56	ij	259.14	t	671.35	kl	0.379	h-k	136.36	pqr	4.45 aeaf
AC49	1444.51	s	159.01	vw	183.11	af	670.00	klm	0.355	j-n	162.34	lmn	7.03 fgh
AC50	1842.97	k	204.69	l	282.73	q	588.24	aa	0.508	a	168.83	klm	4.42 af
AC51	1245.28	xy	167.35	u	229.55	xy	683.51	fgh	0.323	n-r	162.34	lmn	7.00 ghi
AC52	1539.64	r	189.88	n-q	241.54	v	710.54	c	0.379	h-k	123.38	rs	6.13 mn
AC53	1537.85	r	150.68	xyz	265.51	s	719.32	b	0.299	q-u	136.36	pqr	5.28 wxy
AC54	1776.56	lm	213.95	k	431.24	c	611.89	yz	0.500	ab	207.79	efg	7.08 efg
AC55	1399.64	stu	141.11	abac	400.71	ef	703.78	d	0.347	k-o	162.34	lmn	4.92 aa
AC56	1602.46	q	180.31	rst	341.91	jk	667.30	l-o	0.339	l-p	175.32	jkl	5.63 st
AC57	929.38	ae	124.75	ae	230.30	xy	682.84	ghi	0.331	m-q	194.81	ghi	7.11 efg
AC58	954.51	adae	339.88	a	345.09	j	534.19	ac	0.323	n-r	175.32	jkl	4.76 ab
AC59	1072.97	abac	163.95	uv	233.48	wx	651.76	t	0.363	i-m	272.73	b	6.31 l
AC60	1042.46	ac	158.09	vw	340.41	jk	615.27	yz	0.331	m-q	155.84	mno	4.68 abac
AC61	2961.18	a	264.57	d	505.58	a	660.54	pqr	0.363	i-m	305.19	a	5.84 qr
AC62	1279.38	wx	176.91	t	289.66	p	640.95	uv	0.307	p-t	162.34	lmn	4.55 adae
AC63	2582.46	c	148.52	y-aa	453.15	b	651.08	t	0.420	d-g	181.82	ijk	4.63 acad
AC64	1597.08	qr	184.01	qrs	301.46	o	620.68	x	0.347	k-o	149.35	nop	5.98 op

PC: proline content, SSC: soluble sugar content, TPC: total phenolic content, AC: antioxidant **activity**, GPA: guaiacol peroxidase **activity**, CAT: catalase **activity**, LP: lipid peroxidation. Different letters denote a statistically significant variation in mean values measured by Duncan's Multiple-Range Test ($p \leq 0.01$).

Table S8. The mean values of **biochemical** traits under 15%PEG-induced condition.

Accessions	PC		SSC		TPC		AC		GPA		CAT		LP
AC1	1340.41	ab	201.30	uv	317.75	ae	696.35	wxy	0.331	s-v	136.36	pqr	8.13 cd
AC2	952.72	af	226.91	o	374.49	x	686.22	y	0.266	y-aa	97.40	u-x	5.69 xy
AC3	1058.62	ae	203.46	tu	341.16	ab	741.62	o-r	0.250	z-ab	116.88	r-u	6.16 qrs
AC4	3386.56	i	311.17	e	514.76	i	791.62	f-i	0.541	fgh	311.69	b	4.31 ag
AC5	1765.79	v	301.60	f	352.21	aa	686.22	y	0.363	o-r	110.39	s-v	9.19 a
AC6	3241.18	k	271.36	ij	542.28	g	839.59	a	0.589	bcd	266.23	e	6.21 qr
AC7	1604.26	x	172.90	z	380.67	w	767.97	j-n	0.371	n-q	181.82	klm	4.95 ad
AC8	904.26	ag	192.04	wx	225.24	ao	632.16	aa	0.234	abac	155.84	nop	8.40 b
AC9	4607.08	b	286.79	h	553.33	f	834.86	a	0.581	cde	77.92	xy	5.00 acad
AC10	1755.03	v	298.52	fg	327.12	ad	736.89	pqr	0.282	xy	149.35	opq	7.85 e
AC11	841.44	ahai	129.69	ae	189.10	aq	734.86	qr	0.234	abac	84.42	wxy	6.10 rs
AC12	2271.95	r	385.56	b	364.76	y	754.46	l-p	0.452	klm	175.32	lmn	7.13 l
AC13	857.59	ah	152.53	ac	210.26	ap	611.89	ab	0.242	aa-ac	71.43	y	8.00 de
AC14	1234.51	ac	156.23	abac	262.13	am	570.68	ac	0.282	xy	149.35	opq	6.13 rs
AC15	2914.51	l	266.11	jk	373.75	x	712.57	s-w	0.323	tuv	155.84	nop	7.15 l
AC16	1548.62	yz	196.67	vw	289.10	ai	665.27	z	0.347	q-t	149.35	opq	6.53 no
AC17	2246.82	r	208.70	st	334.23	ac	655.14	z	0.379	nop	136.36	pqr	6.05 r-u
AC18	2126.56	st	130.93	ae	293.97	ah	686.22	y	0.323	tuv	136.36	pqr	6.06 rst
AC19	1914.77	u	96.36	ag	240.04	an	660.54	z	0.218	ac	181.82	klm	7.18 kl
AC20	1266.82	ac	134.63	adae	266.63	al	654.46	z	0.290	wxy	116.88	r-u	6.08 rs
AC21	1658.10	w	217.65	qr	275.24	ajak	716.62	stu	0.234	abac	181.82	klm	5.89 vw
AC22	2124.77	st	236.79	n	279.36	aj	735.54	qr	0.387	no	123.38	rst	6.37 p
AC23	2361.69	q	220.43	pq	308.58	af	736.89	pqr	0.524	hi	168.83	mno	7.69 f
AC24	2148.10	s	251.91	m	380.86	w	725.41	rst	0.379	nop	188.31	j-m	6.05 r-u
AC25	1593.49	xy	209.32	st	279.36	aj	697.70	v-y	0.331	s-v	194.81	i-l	7.26 kl
AC26	3783.23	g	393.27	a	486.10	m	774.73	ijk	0.524	hi	292.21	bcd	6.11 rs
AC27	4714.77	a	396.36	a	512.13	ij	793.65	e-h	0.605	bc	305.19	bc	4.18 ag
AC28	3379.38	i	299.14	fg	481.24	n	815.95	bc	0.468	kl	279.22	de	6.45 nop
AC29	1719.13	v	250.68	m	390.79	v	778.78	g-j	0.444	lm	188.31	j-m	7.52 gh
AC30	520.15	ak	92.35	ag	273.00	ak	664.59	z	0.339	r-u	116.88	r-u	7.35 ij
AC31	3395.54	i	275.99	i	477.68	n	710.54	t-w	0.476	jk	292.21	bcd	5.21 ab
AC32	3323.74	j	313.33	e	459.70	o	758.51	k-o	0.500	ij	285.71	cd	5.60 yz
AC33	807.33	ai	120.12	af	279.18	aj	685.54	y	0.274	yz	149.35	opq	6.00 s-v
AC34	2433.49	p	230.00	o	414.76	s	770.68	j-m	0.524	hi	201.30	ijk	5.55 yz
AC35	985.03	af	153.15	ac	288.73	ai	665.95	z	0.250	z-ab	136.36	pqr	8.10 cd
AC36	1478.62	aa	162.72	aa	305.77	afag	753.11	m-q	0.242	aa-ac	168.83	mno	8.24 c
AC37	1252.46	ac	164.26	aa	222.06	ao	689.59	xy	0.315	uvw	123.38	rst	8.47 b
AC38	3716.82	h	266.11	jk	504.08	k	724.73	rst	0.444	lm	233.77	fg	5.92 t-w
AC39	4312.72	c	293.27	g	563.45	d	825.41	ab	0.500	ij	292.21	bcd	5.13 abac
AC40	1624.00	wx	134.94	adae	314.01	ae	700.41	u-y	0.339	r-u	136.36	pqr	6.53 no
AC41	2279.13	r	152.22	ac	443.22	p	748.38	opq	0.468	kl	201.30	ijk	5.53 z
AC42	4021.95	e	303.15	f	558.76	e	807.84	c-f	0.557	efg	246.75	f	4.55 af
AC43	3352.46	ij	253.15	lm	575.06	c	826.08	ab	0.533	gh	227.27	gh	4.87 adae
AC44	1510.92	zaa	214.26	rs	330.30	ad	695.00	wxy	0.307	vwxy	103.90	t-w	6.60 n
AC45	2329.38	q	199.75	uv	402.96	t	754.46	l-p	0.379	nop	90.91	v-y	8.16 c
AC46	2485.54	o	255.62	lm	522.62	h	795.00	d-g	0.452	klm	207.79	hij	6.31 pq
AC47	3377.59	i	180.31	y	544.72	g	715.27	s-v	0.565	def	214.29	ghi	4.74 ae
AC48	2088.87	t	195.43	vw	376.37	x	771.35	jkl	0.428	m	103.90	t-w	5.77 wx
AC49	1128.62	ad	171.36	z	302.40	ag	698.38	c-y	0.347	q-t	90.91	v-y	6.56 n
AC50	3207.08	k	264.26	k	490.22	l	725.41	rst	0.613	b	214.29	ghi	4.56 af
AC51	1349.38	ab	176.60	yz	357.27	z	776.76	hij	0.242	aa-ac	129.87	qrs	7.92 e
AC52	1905.79	u	224.75	op	349.78	aa	742.97	o-r	0.339	r-u	103.90	t-w	6.58 n
AC53	2672.21	m	199.14	uv	422.81	r	811.22	bcd	0.444	lm	168.83	mno	5.69 xy
AC54	3971.69	f	258.40	l	590.60	b	728.78	rs	0.654	a	298.70	bcd	7.31 ijk
AC55	2889.38	l	188.95	x	510.64	j	771.35	jkl	0.452	klm	214.29	ghi	5.84 wx
AC56	3237.59	k	115.19	af	390.97	v	751.76	n-q	0.452	klm	214.29	ghi	6.39 op
AC57	595.54	aj	84.32	ah	351.65	aa	708.51	t-w	0.339	r-u	123.38	rst	7.63 fg
AC58	2431.69	p	355.93	d	397.15	u	655.14	z	0.452	klm	168.83	mno	5.90 uvw
AC59	1543.23	z	139.57	ad	342.28	ab	697.70	v-y	0.355	p-s	181.82	klm	7.45 hi
AC60	1756.82	v	224.75	op	435.54	q	705.14	u-x	0.371	n-q	103.90	t-w	5.55 yz
AC61	4289.38	c	374.14	c	617.19	a	833.51	a	0.589	bcd	350.65	a	5.79 wx
AC62	2672.21	m	188.95	x	402.58	t	740.95	o-r	0.395	n	188.31	j-m	5.39 aa
AC63	4100.92	d	250.99	m	591.35	b	810.54	b-e	0.524	hi	285.71	cd	4.97 ad
AC64	2566.31	n	159.94	aaab	395.84	u	751.08	n-q	0.395	n	188.31	j-m	6.89 m

PC: proline content, SSC: soluble sugar content, TPC: total phenolic content, AC: antioxidant **activity**, GPA: guaiacol peroxidase **activity**, CAT: catalase **activity**, LP: lipid peroxidation. Different letters denote a statistically significant variation in mean values measured by Duncan's Multiple-Range Test ($p \leq 0.01$).

Table S9. The mean values of **biochemical** traits of all accessions under all drought conditions.

Accessions	PC		SSC		TPC		AC		GPA		CAT		LP	
AC1	816.91	g1	145.33	zal	209.08	c1	660.32	m-p	0.323	lmn	129.87	v-y	6.24	no
AC2	793.57	g1	174.34	rs	241.35	t	650.18	r-u	0.266	tu	69.26	g1	4.77	b1
AC3	918.02	d1	176.91	r	218.63	a1	697.93	b	0.215	zal	101.73	b1-e1	5.32	v
AC4	1638.96	o	190.91	op	346.90	f	655.36	o-s	0.398	ef	173.16	f-i	4.05	h1i1
AC5	1221.35	vw	198.21	klm	221.69	yz	649.95	r-u	0.317	mno	99.57	c1-e1	7.94	a
AC6	1416.39	r	192.55	no	359.20	d	674.05	g-j	0.414	cde	214.29	b	6.43	ij
AC7	852.21	fl	146.67	yz	234.86	v	709.19	a	0.353	ij	140.69	r-u	4.36	g1
AC8	798.36	g1	133.19	d1e1	152.40	n1	622.48	zal	0.186	b1	147.19	p-s	6.51	h
AC9	2518.44	d	197.80	lm	325.62	i	699.73	b	0.339	jkl	151.52	n-q	4.98	y
AC10	1314.68	t	195.53	mn	193.47	fl	676.53	e-i	0.204	a1	136.36	t-w	6.40	jk
AC11	641.61	j1	126.40	g1	114.07	q1	708.51	a	0.234	xy	84.42	fl	4.97	yz
AC12	1433.15	r	222.28	f	222.43	y	651.31	q-t	0.371	h	140.69	r-u	6.36	jkl
AC13	745.11	h1	133.09	d1e1	138.35	p1	584.19	fl	0.237	wxy	77.92	flg1	6.29	lmn
AC14	949.13	c1	188.33	p	193.03	fl	556.94	g1	0.277	st	162.34	j-m	4.98	y
AC15	2017.08	j	218.34	g	237.54	u	626.73	yz	0.288	qrs	138.53	s-v	6.34	klm
AC16	1157.93	y	162.20	u	192.91	fl	602.21	c1d1	0.280	rst	151.52	n-q	5.44	t
AC17	1689.81	n	184.12	q	212.57	b1	607.84	b1c1	0.296	qr	142.86	q-u	5.36	uv
AC18	1728.10	m	114.16	h1	182.11	i1	658.74	nop	0.256	uv	136.36	t-w	4.76	b1
AC19	1475.62	q	107.47	i1	158.45	m1	638.92	vw	0.175	b1	173.16	f-i	6.00	p
AC20	1070.58	a1	150.27	wxy	166.88	k1	634.86	wx	0.247	vwxy	123.38	yz	4.88	a1
AC21	1293.15	tu	214.26	h	189.66	g1	678.33	d-h	0.237	wxy	164.50	i-m	4.94	y-a1
AC22	1699.98	n	209.84	i	182.92	i1	681.49	def	0.299	pq	125.54	xy	5.71	r
AC23	1567.96	p	184.42	q	187.17	g1h1	668.42	jkl	0.411	de	149.35	o-r	6.87	e
AC24	1409.81	r	222.70	f	231.24	w	678.33	d-h	0.288	qrs	171.00	g-j	5.41	tu
AC25	1272.21	u	189.88	op	186.48	h1	656.49	opq	0.323	lmn	179.65	fg	6.48	hi
AC26	2387.42	e	293.27	b	298.90	k	663.92	lmn	0.390	fg	216.45	b	5.70	r
AC27	2577.08	c	260.97	d	318.56	j	648.38	tu	0.438	b	199.13	cd	3.78	k1
AC28	2318.62	f	248.93	e	273.81	n	682.16	de	0.368	hi	190.48	de	6.60	g
AC29	1128.02	z	217.96	gh	242.22	t	664.59	lmn	0.317	mno	175.32	fgh	6.97	d
AC30	687.68	i1	139.16	b1c1	163.70	l1	649.73	stu	0.301	opq	121.21	yz	6.18	o
AC31	1930.92	k	210.14	i	295.91	l	622.48	zal	0.350	jk	218.61	b	5.09	x
AC32	2187.59	g	225.27	f	299.46	k	636.89	w	0.377	gh	181.82	ef	5.18	w
AC33	886.31	e1	114.47	h1	175.56	j1	639.59	vw	0.256	uv	166.67	h-l	4.92	y-a1
AC34	1563.57	p	155.41	v	269.75	o	663.47	lmn	0.390	fg	138.53	s-v	4.59	d1e1
AC35	979.04	b1	152.12	vw	178.05	j1	619.55	a1	0.234	xy	136.36	t-w	6.76	f
AC36	1191.44	x	133.70	d1e1	202.27	e1	673.83	g-j	0.226	yz	142.86	q-u	7.09	c
AC37	1195.03	wx	173.11	s	144.84	o1	660.77	m-p	0.288	qrs	114.72	zal	6.92	de
AC38	2204.94	g	192.24	no	299.78	k	637.34	w	0.317	mno	160.17	k-n	5.64	rs
AC39	2786.48	a	247.39	e	341.35	g	683.29	d	0.352	ij	179.65	fg	4.61	c1-e1
AC40	1314.09	t	130.93	e1fl	203.77	d1e1	636.67	wx	0.280	rst	138.53	s-v	5.57	s
AC41	1474.43	q	146.36	z	274.93	n	644.55	uv	0.331	lmn	147.19	p-s	4.78	b1
AC42	2726.05	b	250.37	e	340.72	g	676.08	f-i	0.430	bc	166.67	h-l	3.95	j1
AC43	1795.71	l	171.36	s	353.15	e	678.11	d-h	0.333	klm	155.84	m-p	4.41	flg1
AC44	1144.17	yz	201.71	jk	205.33	d1	654.91	p-s	0.299	pq	95.24	e1	5.58	s
AC45	1282.38	u	200.27	kl	243.10	t	671.80	ijk	0.285	qrs	82.25	fl	7.53	b
AC46	1641.95	o	174.03	rs	327.87	i	667.30	kl	0.317	mno	151.52	n-q	6.06	p
AC47	2110.41	h	142.14	a1b1	337.67	h	600.86	d1	0.417	cd	158.01	l-o	3.99	ij1j1
AC48	1699.98	n	199.03	klm	231.30	w	672.70	h-k	0.377	gh	110.39	a1b1	4.65	c1d1
AC49	1244.09	v	163.64	tu	189.29	g1	660.09	m-p	0.317	mno	108.23	a1-c1	6.28	mn
AC50	1950.67	k	209.94	i	292.85	m	607.39	b1c1	0.484	a	151.52	n-q	4.10	h1
AC51	1130.41	yz	149.03	w-z	213.38	b1	678.78	d-g	0.253	uvw	123.38	yz	6.62	g
AC52	1617.42	o	205.31	j	218.38	a1	677.43	d-i	0.290	qrs	97.40	d1e1	5.90	q
AC53	1744.85	m	141.83	a1b1	246.47	s	689.59	c	0.288	qrs	127.71	wxy	5.08	x
AC54	2081.69	i	193.17	no	370.25	c	608.96	b1	0.495	a	194.81	cd	6.92	de
AC55	1738.87	m	151.09	wx	320.94	j	675.41	ghi	0.323	lmn	151.52	n-q	4.90	zal
AC56	1794.51	l	128.68	flg1	271.25	o	655.81	o-r	0.315	nop	168.83	h-k	5.64	rs
AC57	733.74	h1	95.53	j1	219.69	zal	664.82	lm	0.296	qr	127.71	wxy	6.65	g
AC58	1344.00	s	297.18	a	267.13	p	553.78	g1	0.315	nop	134.20	u-x	4.66	c1
AC59	1145.37	yz	136.07	c1d1	225.31	x	634.41	wx	0.331	lmn	201.30	c	6.20	o
AC60	1231.52	v	166.01	t	275.56	n	594.10	e1	0.299	pq	106.06	a1-d1	4.68	c1
AC61	2752.38	b	277.22	c	403.83	a	672.03	ijk	0.390	fg	242.42	a	5.61	s
AC62	1542.03	p	147.70	xyz	254.77	r	630.81	xy	0.285	qrs	145.02	q-t	4.46	fl
AC63	2582.46	c	161.69	u	377.99	b	660.99	mno	0.406	def	179.65	fg	4.55	e1
AC64	1796.91	l	151.50	w	262.07	q	633.96	wx	0.315	nop	134.20	u-x	5.92	q

PC: proline content, SSC: soluble sugar content, TPC: total phenolic content, AC: antioxidant **activity**, GPA: guaiacol peroxidase **activity**, CAT: catalase **activity**, LP: lipid peroxidation. Different letters denote a statistically significant variation in mean values measured by Duncan's Multiple-Range Test ($p \leq 0.01$).

Table S10. The interaction values of **biochemical** traits among the tomato accessions and treatments.

Status	PC	SSC	TPC	AC	GPA	CAT	LP
AC1,Control	268.87 v3	104.07 p3	84.23 c3-e3	587.57 q2-s2	0.218 j1-m1	103.90 a1-c1	4.39 w2-y2
AC2,Control	688.87 g3-j3	128.15 d3-g3	89.85 a3b3	599.73 m2-p2	0.186 n1-q1	25.97 k1	3.73 i3-j3
AC3,Control	798.36 x2-b3	140.49 r2-w2	79.74 f3-j3	634.86 b2-d2	0.129 t1u1	45.45 ilj1	4.44 u2-w2
AC4,Control	487.85 r3s3	106.85 o3p3	127.87 t2u2	500.41 n3	0.226 i1-l1	32.47 j1k1	3.79 g3-j3
AC5,Control	602.72 n3o3	114.88 j3-m3	70.00 n3-q3	599.73 m2-p2	0.250 g1-i1	45.45 ilj1	6.82 uv
AC6,Control	376.56 u3	124.75 f3-i3	131.80 s2t2	486.89 o3	0.226 i1-l1	149.35 tuv	5.95 k1-n1
AC7,Control	313.74 v3	121.67 h3i3	98.28 z2	640.27 b2-d2	0.317 z-c1	90.91 c1-e1	3.53 l3m3
AC8,Control	696.05 f3-i3	66.42 x3	98.84 z2	592.97 o2-r2	0.137 s1-u1	123.38 xyz	4.40 v2-x2
AC9,Control	678.10 i3-l3	139.57 s2-x2	111.39 w2	541.62 z2-c3	0.089 v1	97.40 b1-d1	4.63 o2-s2
AC10,Control	983.23 o2-q2	140.80 q2-w2	86.67 b3-d3	613.24 f2-j2	0.129 t1u1	97.40 b1-d1	4.94 g2-i2
AC11,Control	466.31 s3t3	103.15 p3q3	60.26 u3-w3	653.78 v1-y1	0.194 m1-p1	38.96 j1k1	3.34 n3o3
AC12,Control	681.69 h3-k3	137.10 u2-z2	88.54 a3-c3	548.38 y2-b3	0.274 e1-g1	84.42 d1-f1	5.24 a2-d2
AC13,Control	651.18 i3-m3	110.56 l3-o3	65.69 q3-t3	530.14 d3-i3	0.202 l1-o1	71.43 f1-h1	4.24 z2-b3
AC14,Control	767.85 a3-e3	190.19 l1-o1	118.13 v2	540.95 z2-c3	0.234 i1-k1	149.35 tuv	3.68 j3k3
AC15,Control	1144.77 f2g2	158.09 c2-i2	124.31 u2	553.78 w2-y2	0.121 u1	64.94 f1-h1	5.40 x1y1
AC16,Control	857.59 u2-w2	108.70 m3-p3	104.08 x2y2	556.49 w2-y2	0.113 u1v1	116.88 y-a1	4.24 z2-b3
AC17,Control	1121.44 g2-h2	154.07 g2-k2	83.11 d3-f3	531.49 c3-h3	0.186 n1-q1	103.90 a1-c1	4.19 a3b3
AC18,Control	1388.87 r1-t1	85.56 u3v3	81.61 e3-h3	601.08 l2-p2	0.161 q1-s1	123.38 xyz	2.98 p3
AC19,Control	1135.79 g2	94.81 r3-t3	80.49 e3-j3	601.76 k2-o2	0.089 v1	149.35 tuv	4.61 p2-s2
AC20,Control	925.79 r2-t2	120.43 h3-j3	70.00 n3-q3	605.14 h2-n2	0.169 p1-r1	90.91 c1-e1	3.29 o3
AC21,Control	916.82 r2-t2	180.62 q1-t1	89.29 a3b3	621.35 e2f2	0.169 p1-r1	123.38 xyz	3.61 k3l3
AC22,Control	1263.23 y1-b2	173.52 u1-w1	75.24 k3-m3	602.43 k2-o2	0.186 n1-q1	84.42 d1-f1	4.69 m2-p2
AC23,Control	912.03 r2-t2	113.33 k3-n3	51.84 y3z3	590.95 p2-r2	0.282 d1-f1	103.90 a1-c1	5.60 u1v1
AC24,Control	764.26 a3-e3	183.09 p1-s1	64.38 r3-u3	570.68 u2v2	0.161 q1-s1	110.39 z-b1	4.47 t2-w2
AC25,Control	1065.79 j2l2	118.89 i3-k3	59.33 v3w3	609.19 g2-m2	0.266 f1-h1	142.86 uvw	5.29 y1-c2
AC26,Control	916.82 r2-t2	180.62 q1-t1	77.87 g3-k3	532.16 c3-g3	0.266 f1-h1	123.38 xyz	5.08 e2f2
AC27,Control	810.92 w2-a3	128.46 c3-g3	77.30 h3-k3	486.22 o3	0.234 i1-k1	71.43 f1-h1	3.38 n3o3
AC28,Control	1055.03 j2-m2	171.05 v1-y1	49.96 z3	552.43 x2y2	0.242 h1-j1	71.43 f1-h1	6.19 e1-g1
AC29,Control	545.28 p3	175.37 t1-v1	63.45 s3-v3	546.35 y2-b3	0.202 l1-o1	149.35 tuv	5.94 l1-o1
AC30,Control	791.18 z2-b3	159.01 c2-h2	68.31 o3-r3	599.73 m2-p2	0.226 i1-l1	97.40 b1-d1	4.52 s2-v2
AC31,Control	785.79 z2-c3	158.09 c2-i2	70.94 m3-p3	515.27 k3-m3	0.210 k1-n1	149.35 tuv	4.89 g2-j2
AC32,Control	1320.67 v1-x1	132.78 y2-d3	80.30 e3-j3	520.68 i3-l3	0.210 k1-n1	58.44 h1i1	4.65 n2-r2
AC33,Control	839.64 v2-y2	96.98 q3r3	63.82 s3-v3	573.38 u2v2	0.210 k1-n1	136.36 vwx	3.31 o3
AC34,Control	518.36 p3-r3	79.38 v3w3	83.48 d3-f3	563.24 v2w2	0.202 l1-o1	38.96 j1k1	3.61 k3l3
AC35,Control	764.26 a3-e3	156.23 e2-j2	74.12 k3-n3	549.05 x2-a3	0.186 n1-q1	116.88 y-a1	5.23 a2-d2
AC36,Control	778.62 z2-d3	104.38 o3p3	81.99 e3-g3	601.76 k2-o2	0.137 s1-u1	97.40 b1-d1	5.92 m1-o1
AC37,Control	1123.23 g2h2	154.38 f2-k2	62.70 t3-w3	595.68 n2-q2	0.218 j1-m1	71.43 f1-h1	5.21 a2-d2
AC38,Control	825.28 w2-z2	106.23 o3p3	58.58 w3x3	546.35 y2-b3	0.153 r1-t1	58.44 h1i1	5.37 x1-z1
AC39,Control	1403.23 q1-s1	138.95 t2-y2	89.66 a3b3	526.08 f3-j3	0.169 p1-r1	58.44 h1i1	3.95 d3-f3
AC40,Control	936.56 q2-s2	108.70 m3-p3	59.33 v3w3	550.41 x2-a3	0.121 u1	129.87 wxy	4.35 w2-z2
AC41,Control	731.95 d3-g3	95.12 r3s3	54.64 x3y3	529.46 e3-j3	0.161 q1-s1	90.91 c1-e1	4.03 d3e3
AC42,Control	1697.59 g1-i1	214.57 d1-f1	67.57 p3-s3	540.27 a3-d3	0.282 d1-f1	71.43 f1-h1	3.39 n3o3
AC43,Control	620.67 m3-o3	67.96 x3	62.51 t3-w3	519.32 j3-k3	0.178 o1-r1	71.43 f1-h1	3.84 f3-i3
AC44,Control	880.92 t2-v2	176.30 t1-v1	79.93 e3-j3	605.14 i2-n2	0.202 l1-o1	71.43 f1-h1	4.60 p2-s2
AC45,Control	439.38 t3	152.84 h2-l2	76.37 j3-l3	576.76 t2u2	0.194 m1-p1	58.44 h1i1	6.45 a1-c1
AC46,Control	740.92 c3-f3	88.64 t3u3	81.24 e3-i3	535.54 c3-f3	0.153 r1-t1	84.42 d1-f1	5.76 r1s1
AC47,Control	845.03 v2-x2	104.38 o3p3	72.25 l3-o3	470.68 p3	0.274 e1-g1	90.91 c1-e1	3.37 n3o3
AC48,Control	1191.44 d2-f2	166.11 y1-b2	58.39 x3y3	575.41 t2u2	0.323 y-b1	90.91 c1-e1	3.73 i3-k3
AC49,Control	1159.13 e2-g2	160.56 b2-f2	82.36 d3-f3	611.89 f2-k2	0.250 g1-i1	71.43 f1-h1	5.24 a2-d2
AC50,Control	801.95 x2-a3	160.86 a2-e2	105.58 x2	508.51 m3n3	0.331 x-a1	71.43 f1-h1	3.32 n3o3
AC51,Control	796.56 y2-b3	103.15 p3q3	53.33 y3z3	576.08 t2u2	0.194 m1-p1	77.92 e1-g1	4.95 g2-i2
AC52,Control	1406.82 q1-s1	201.30 h1i1	63.82 s3-v3	578.78 s2-u2	0.153 r1-t1	64.94 f1-h1	4.98 f2-h2
AC53,Control	1024.51 k2-o2	75.68 w3	51.09 y3z3	538.24 b3-e3	0.121 u1	77.92 e1-g1	4.27 y2-b3
AC54,Control	496.82 q3-s3	107.16 n3-p3	88.91 a3b3	486.22 o3	0.331 x-a1	77.92 e1-g1	6.37 c1d1
AC55,Control	927.59 r2-t2	123.21 g3-i3	51.46 y3z3	551.08 x2-z2	0.169 p1-r1	77.92 e1-g1	3.94 e3f3
AC56,Control	543.49 p3q3	90.56 s3-u3	80.86 e3-i3	548.38 y2-b3	0.153 r1-t1	116.88 y-a1	4.90 g2-j2
AC57,Control	676.31 i3-l3	77.53 w3	77.12 i3-k3	603.11 i2-o2	0.218 j1-m1	64.94 f1-h1	5.21 a2-d2
AC58,Control	645.79 j3-n3	195.74 i1-m1	59.14 v3w3	472.03 p3	0.169 p1-r1	58.44 h1i1	3.32 n3o3
AC59,Control	819.90 w2-z2	104.69 o3p3	100.15 y2z2	553.78 w2-y2	0.274 e1-g1	149.35 tuv	4.84 i2-l2
AC60,Control	895.28 s2-u2	115.19 j3-l3	50.71 y3z3	461.89 p3	0.194 m1-p1	58.44 h1i1	3.81 g3-i3
AC61,Control	1006.56 n2o2	192.96 j1-n1	88.73 a3b3	522.03 g3-k3	0.218 j1-m1	71.43 f1-h1	5.19 b2-e2
AC62,Control	674.51 i3-l3	77.22 w3	72.06 l3-o3	510.54 l3-n3	0.153 r1-t1	84.42 d1-f1	3.44 m3n3
AC63,Control	1064.00 j2-l2	85.56 u3v3	89.48 a3b3	521.35 h3-k3	0.274 e1-g1	71.43 f1-h1	4.05 d3e3
AC64,Control	1227.33 b2-d2	110.56 l3-o3	88.91 a3b3	530.14 d3-i3	0.202 l1-o1	64.94 f1-h1	4.90 g2-j2
AC1,PEG-7.5	841.44 v2-y2	130.62 a3-f3	225.24 c2d2	697.03 b1-d1	0.420 opq	149.35 tuv	6.19 e1-g1

AC2,PEG-7.5	739.13	c3-f3	167.96	w1-z1	259.70	v1	664.59	n1-u1	0.347	v-y	84.42	d1-f1	4.90	g2-j2
AC3,PEG-7.5	897.08	s2-u2	186.79	n1-q1	234.98	z1a2	717.30	s-v	0.266	f1-h1	142.86	uvw	5.37	x1-z1
AC4,PEG-7.5	1042.46	j2-n2	154.69	e2-k2	398.09	tu	674.05	j1-n1	0.428	nop	175.32	pqr	4.06	c3d3
AC5,PEG-7.5	1295.54	w1-z1	178.15	r1-u1	242.85	x1	663.92	n1-v1	0.339	w-z	142.86	uvw	7.79	hi
AC6,PEG-7.5	631.44	l3-o3	181.54	q1-t1	403.52	s	695.68	c1-f1	0.428	nop	227.27	ij	7.13	pq
AC7,PEG-7.5	638.62	k3-o3	145.43	n2-s2	225.62	c2d2	719.32	r-u	0.371	s-v	149.35	tuv	4.60	p2-s2
AC8,PEG-7.5	794.77	y2-b3	141.11	p2-v2	133.11	s2	642.30	z1-c2	0.186	n1-q1	162.34	rst	6.71	vw
AC9,PEG-7.5	2270.15	u	167.04	x1-a2	312.13	k1l1	722.70	rst	0.347	v-y	279.22	efg	5.31	y1-b2
AC10,PEG-7.5	1205.79	c2-e2	147.28	l2-p2	166.63	n2o2	679.46	h1-k1	0.202	l1-o1	162.34	rst	6.42	b1-d1
AC11,PEG-7.5	617.08	m3-o3	146.36	m2-r2	92.85	a3	736.89	no	0.274	e1-g1	129.87	wxy	5.47	w1x1
AC12,PEG-7.5	1345.79	t1-v1	144.20	o2-t2	214.01	f2	651.08	w1-a2	0.387	rst	162.34	rst	6.71	vw
AC13,PEG-7.5	726.56	e3-h3	136.17	u2-a3	139.10	r2	610.54	f2-l2	0.266	f1-h1	90.91	c1-e1	6.63	wxy
AC14,PEG-7.5	845.03	v2-x2	218.58	c1-e1	198.84	i2	559.19	w2x2	0.315	z-c1	188.31	nop	5.15	d2e2
AC15,PEG-7.5	1991.95	z	230.82	x-b1	214.57	f2	613.85	f2-j2	0.420	opq	194.81	mno	6.47	z-c1
AC16,PEG-7.5	1067.59	j2-k2	181.23	q1-t1	185.54	k2l2	584.86	r2-t2	0.379	stu	188.31	nop	5.55	v1w1
AC17,PEG-7.5	1701.18	g1-i1	189.57	m1-o1	220.37	e2	636.89	b2-d2	0.323	y-b1	188.31	nop	5.84	n1-r1
AC18,PEG-7.5	1668.87	h1-j1	125.99	e3-h3	170.75	m2n2	688.92	d1-h1	0.282	d1-f1	149.35	tuv	5.23	a2-d2
AC19,PEG-7.5	1376.31	s1-u1	131.23	z2-e3	154.83	p2	654.46	u1-x1	0.218	j1-m1	188.31	nop	6.21	e1f1
AC20,PEG-7.5	1019.13	l2-o2	195.74	i1-m1	164.01	o2	645.00	x1-b2	0.282	d1-f1	162.34	rst	5.27	z1-c2
AC21,PEG-7.5	1304.51	v1-x1	244.51	uv	204.46	g2h2	697.03	b1-d1	0.307	a1-d1	188.31	nop	5.32	y1-a2
AC22,PEG-7.5	1711.95	f1-h1	219.20	c1-e1	194.16	j2	706.49	w-b1	0.323	y-b1	168.83	qrs	6.06	h1-k1
AC23,PEG-7.5	1430.15	q1r1	219.51	c1-e1	201.09	h2i2	677.43	i1-m1	0.428	nop	175.32	pqr	7.31	n
AC24,PEG-7.5	1317.08	v1-x1	233.09	x-a1	248.46	w1	738.92	mno	0.323	y-b1	214.29	jkl	5.73	r1-s1
AC25,PEG-7.5	1157.33	f2g2	241.42	vw	220.75	e2	662.57	o1-v1	0.371	s-v	201.30	lmn	6.90	tu
AC26,PEG-7.5	2462.21	rs	305.93	gh	332.73	g1h1	684.86	g1-i1	0.379	stu	233.77	hi	5.92	m1-o1
AC27,PEG-7.5	2205.54	v	258.09	pqr	366.25	a1	665.27	n1-t1	0.476	kl	220.78	ijk	3.77	h3-j3
AC28,PEG-7.5	2521.44	pq	276.60	l	290.22	o1p1	678.11	i1-l1	0.395	qrs	220.78	ijk	7.16	op
AC29,PEG-7.5	1119.64	g2-i2	227.84	z-b1	272.43	s1	668.65	l1-q1	0.307	a1-d1	188.31	nop	7.47	lm
AC30,PEG-7.5	751.69	b3-e3	166.11	y1-b2	149.78	q2	684.86	g1-i1	0.339	w-z	149.35	tuv	6.66	wx
AC31,PEG-7.5	1611.44	k1l1	196.36	i1-l1	339.10	e1f1	641.62	z1-d2	0.363	t-w	214.29	jkl	5.18	c2-e2
AC32,PEG-7.5	1918.36	a1	229.69	y-b1	358.39	b1	631.49	d2e2	0.420	opq	201.30	lmn	5.29	y1-c2
AC33,PEG-7.5	1011.95	m2-o2	126.30	e3-h3	183.67	l2	659.86	p1-w1	0.282	d1-f1	214.29	jkl	5.45	w1x1
AC34,PEG-7.5	1738.87	d1-g1	156.85	d2-j2	311.01	k1l1	656.49	r1-w1	0.444	mno	175.32	pqr	4.60	p2-s2
AC35,PEG-7.5	1187.85	d2-f2	146.98	l2-q2	171.31	m2	643.65	y1-b2	0.266	f1-h1	155.84	stu	6.95	st
AC36,PEG-7.5	1317.08	v1-x1	134.01	x2-d3	219.06	e2	666.62	n1-r1	0.299	b1-e1	162.34	rst	7.10	pqr
AC37,PEG-7.5	1209.38	c2-d2	200.68	h1i1	149.78	q2	697.03	b1-d1	0.331	x-a1	149.35	tuv	7.08	pqr
AC38,PEG-7.5	2072.72	y	204.38	g1h1	336.67	f1g1	640.95	a2-d2	0.355	u-x	188.31	nop	5.63	t1-v1
AC39,PEG-7.5	2643.49	n	309.94	fg	370.94	z	698.38	a1-d1	0.387	rst	188.31	nop	4.76	k2-n2
AC40,PEG-7.5	1381.69	s1-u1	149.14	k2-o2	237.98	y1z1	659.19	q1-w1	0.379	stu	149.35	tuv	5.82	o1-r1
AC41,PEG-7.5	1412.21	q1-s1	191.73	k1-n1	326.93	i1	655.81	s1-w1	0.363	t-w	149.35	tuv	4.79	j2-m2
AC42,PEG-7.5	2458.62	rs	233.40	xyz	395.84	u	680.14	h1-k1	0.452	lmn	181.82	opq	3.90	f3g3
AC43,PEG-7.5	1414.00	q1-s1	192.96	j1-n1	421.87	q	688.92	d1-h1	0.290	c1-f1	168.83	qrs	4.52	s2-v2
AC44,PEG-7.5	1040.67	j2-n2	214.57	d1-f1	205.77	g2	664.59	n1-u1	0.387	rst	110.39	z-b1	5.55	v1w1
AC45,PEG-7.5	1078.36	h2-j2	248.21	tu	249.96	w1	684.19	h1-j1	0.282	d1-f1	97.40	b1-d1	7.97	fg
AC46,PEG-7.5	1699.38	g1-i1	177.84	r1-u1	379.74	wx	671.35	k1-o1	0.347	v-y	162.34	rst	6.11	f1-i1
AC47,PEG-7.5	2108.62	wxy	141.73	p2-u2	396.03	u	616.62	f2-h2	0.411	pqr	168.83	qrs	3.87	f3-h3
AC48,PEG-7.5	1819.64	b1c1	235.56	wxy	259.14	v1	671.35	k1-o1	0.379	stu	136.36	vwx	4.45	t2-w2
AC49,PEG-7.5	1444.51	p1q1	159.01	c2-h2	183.11	l2	670.00	k1-p1	0.355	u-x	162.34	rst	7.03	qrs
AC50,PEG-7.5	1842.97	b1	204.69	g1h1	282.73	q1	588.24	q2-s2	0.508	ij	168.83	qrs	4.42	v2-x2
AC51,PEG-7.5	1245.28	a2-c2	167.35	w1-z1	229.55	b2c2	683.51	h1-j1	0.323	y-b1	162.34	rst	7.00	rst
AC52,PEG-7.5	1539.64	n1	189.88	m1-o1	241.54	x1y1	710.54	u-z	0.379	stu	123.38	xyz	6.13	f1-h1
AC53,PEG-7.5	1537.85	n1	150.68	j2-n2	265.51	t1u1	719.32	r-u	0.299	b1-e1	136.36	vwx	5.28	y1-c2
AC54,PEG-7.5	1776.56	c1d1	213.95	e1f1	431.24	p	611.89	f2-k2	0.500	jk	207.79	klm	7.08	pqr
AC55,PEG-7.5	1399.64	q1-s1	141.11	p2-v2	400.71	st	703.78	y-c1	0.347	v-y	162.34	rst	4.92	g2-i2
AC56,PEG-7.5	1602.46	l1	180.31	r1-t1	341.91	d1e1	667.30	m1-q1	0.339	w-z	175.32	pqr	5.63	t1-v1
AC57,PEG-7.5	929.38	r2s2	124.75	f3-i3	230.30	b2	682.84	h1-j1	0.331	x-a1	194.81	mno	7.11	pqr
AC58,PEG-7.5	954.51	p2-r2	339.88	e	345.09	d1	534.19	c3-f3	0.323	y-b1	175.32	pqr	4.76	k2-n2
AC59,PEG-7.5	1072.97	i2j2	163.95	z1-c2	233.48	a2b2	651.76	w1-z1	0.363	t-w	272.73	fg	6.31	d1e1
AC60,PEG-7.5	1042.46	j2-n2	158.09	c2-i2	340.41	e1f1	615.27	f2-i2	0.331	x-a1	155.84	stu	4.68	m2-q2
AC61,PEG-7.5	2961.18	l	264.57	no	505.58	j	660.54	p1-w1	0.363	t-w	305.19	bc	5.84	n1-r1
AC62,PEG-7.5	1279.38	s1-a1	176.91	s1-v1	289.66	o1p1	640.95	a2-d2	0.307	a1-d1	162.34	rst	4.55	r2-u2
AC63,PEG-7.5	2582.46	o	148.52	k2-o2	453.15	n	651.08	w1-a2	0.420	opq	181.82	opq	4.63	o2-s2
AC64,PEG-7.5	1597.08	l1	184.01	o1-r1	301.46	n1	620.68	f2g2	0.347	v-y	149.35	tuv	5.98	j1-i1
AC1,PEG-15	1340.41	u1-w1	201.30	h1i1	317.75	j1	696.35	c1-e1	0.331	x-a1	136.36	vwx	8.13	cd
AC2,PEG-15	952.72	p2-r2	226.91	a1b1	374.49	yz	686.22	e1-i1	0.266	f1-h1	97.40	b1-d1	5.69	s1-u1
AC3,PEG-15	1058.62	j2-m2	203.46	g1h1	341.16	d1e1	741.62	k-n	0.250	g1-i1	116.88	y-a1	6.16	f1-h1
AC4,PEG-15	3386.56	i	311.17	fg	514.76	i	791.62	e	0.541	fgh	311.69	b	4.31	x2-a3
AC5,PEG-15	1765.79	d1e1	301.60	hi	352.21	c1	686.22	e1-i1	0.363	t-w	110.39	z-b1	9.19	a

AC6,PEG-15	3241.18	k	271.36	lm	542.28	g	839.59	a	0.589	bcd	266.23	g	6.21	e1f1
AC7,PEG-15	1604.26	l1	172.90	u1-x1	380.67	wx	767.97	gh	0.371	s-v	181.82	opq	4.95	g2-i2
AC8,PEG-15	904.26	s2-u2	192.04	k1-n1	225.24	c2d2	632.16	c2d2	0.234	i1-k1	155.84	stu	8.40	b
AC9,PEG-15	4607.08	b	286.79	k	553.33	f	834.86	ab	0.581	cde	77.92	e1-g1	5.00	f2g2
AC10,PEG-15	1755.03	d1-f1	298.52	ij	327.12	i1	736.89	no	0.282	d1-f1	149.35	tuv	7.85	gh
AC11,PEG-15	841.44	v2-y2	129.69	b3-f3	189.10	k2	734.86	n-q	0.234	i1-k1	84.42	d1-f1	6.10	f1-j1
AC12,PEG-15	2271.95	u	385.56	b	364.76	a1	754.46	i	0.452	lmn	175.32	pqr	7.13	pq
AC13,PEG-15	857.59	u2-w2	152.53	i2-m2	210.26	f2	611.89	f2-k2	0.242	h1-j1	71.43	f1-h1	8.00	ef
AC14,PEG-15	1234.51	a2-d2	156.23	e2-j2	262.13	u1v1	570.68	u2v2	0.282	d1-f1	149.35	tuv	6.13	f1-h1
AC15,PEG-15	2914.51	lm	266.11	mn	373.75	yz	712.57	t-y	0.323	y-b1	155.84	stu	7.15	opq
AC16,PEG-15	1548.62	m1n1	196.67	i1-k1	289.10	p1	665.27	n1-t1	0.347	v-y	149.35	tuv	6.53	y-b1
AC17,PEG-15	2246.82	uv	208.70	flg1	334.23	g1h1	655.14	t1-x1	0.379	stu	136.36	vwx	6.05	h1-l1
AC18,PEG-15	2126.56	wx	130.93	z2-f3	293.97	o1	686.22	e1-i1	0.323	y-b1	136.36	vwx	6.06	h1-k1
AC19,PEG-15	1914.77	a1	96.36	r3s3	240.04	x1y1	660.54	p1-w1	0.218	j1-m1	181.82	opq	7.18	op
AC20,PEG-15	1266.82	y1-b2	134.63	w2-c3	266.63	t1	654.46	u1-x1	0.290	c1-f1	116.88	y-a1	6.08	g1-j1
AC21,PEG-15	1658.10	i1-k1	217.65	d1e1	275.24	r1s1	716.62	s-w	0.234	i1-k1	181.82	opq	5.89	m1-q1
AC22,PEG-15	2124.77	wx	236.79	wx	279.36	q1r1	735.54	no	0.387	rst	123.38	xyz	6.37	c1d1
AC23,PEG-15	2361.69	t	220.43	c1d1	308.58	l1m1	736.89	no	0.524	hij	168.83	qrs	7.69	ij
AC24,PEG-15	2148.10	w	251.91	rst	380.86	w	725.41	p-s	0.379	stu	188.31	nop	6.05	h1-l1
AC25,PEG-15	1593.49	l1m1	209.32	flg1	279.36	q1r1	697.70	b1-d1	0.331	x-a1	194.81	mno	7.26	no
AC26,PEG-15	3783.23	g	393.27	a	486.10	k	774.73	fg	0.524	hij	292.21	cde	6.11	f1-i1
AC27,PEG-15	4714.77	a	396.36	a	512.13	i	793.65	e	0.605	bc	305.19	bc	4.18	b3c3
AC28,PEG-15	3379.38	i	299.14	ij	481.24	l	815.95	cd	0.468	lm	279.22	efg	6.45	a1-c1
AC29,PEG-15	1719.13	e1-g1	250.68	stu	390.79	v	778.78	f	0.444	mno	188.31	nop	7.52	kl
AC30,PEG-15	520.15	p3-r3	92.35	r3-t3	273.00	s1	664.59	n1-u1	0.339	w-z	116.88	y-a1	7.35	mn
AC31,PEG-15	3395.54	i	275.99	l	477.68	l	710.54	u-z	0.476	kl	292.21	cde	5.21	a2-d2
AC32,PEG-15	3323.74	j	313.33	f	459.70	m	758.51	hi	0.500	jk	285.71	def	5.60	u1v1
AC33,PEG-15	807.33	x2-a3	120.12	h3-j3	279.18	q1r1	685.54	f1-i1	0.274	e1-g1	149.35	tuv	6.00	i1-m1
AC34,PEG-15	2433.49	s	230.00	y-b1	414.76	r	770.68	fg	0.524	hij	201.30	lmn	5.55	v1w1
AC35,PEG-15	985.03	o2p2	153.15	h2-l2	288.73	p1	665.95	n1-s1	0.250	g1-i1	136.36	vwx	8.10	de
AC36,PEG-15	1478.62	o1p1	162.72	z1-d2	305.77	m1n1	753.11	ij	0.242	h1-j1	168.83	qrs	8.24	c
AC37,PEG-15	1252.46	z1-c2	164.26	z1-c2	222.06	d2e2	689.59	d1-h1	0.315	z-c1	123.38	xyz	8.47	b
AC38,PEG-15	3716.82	h	266.11	mn	504.08	j	724.73	qrs	0.444	mno	233.77	hi	5.92	m1-o1
AC39,PEG-15	4312.72	c	293.27	j	563.45	d	825.41	bc	0.500	jk	292.21	cde	5.13	d2e2
AC40,PEG-15	1624.00	j1-l1	134.94	v2-b3	314.01	j1k1	700.41	z-c1	0.339	w-z	136.36	vwx	6.53	y-b1
AC41,PEG-15	2279.13	u	152.22	i2-m2	443.22	o	748.38	i-m	0.468	lm	201.30	lmn	5.53	v1w1
AC42,PEG-15	4021.95	e	303.15	hi	558.76	e	807.84	d	0.557	efg	246.75	h	4.55	r2-u2
AC43,PEG-15	3352.46	ij	253.15	q-t	575.06	c	826.08	bc	0.533	ghi	227.27	ij	4.87	h2-k2
AC44,PEG-15	1510.92	n1o1	214.26	d1-f1	330.30	h1i1	695.00	c1-h1	0.307	a1-d1	103.90	a1-c1	6.60	wxy
AC45,PEG-15	2329.38	t	199.75	h1i1	402.96	s	754.46	i	0.379	stu	90.91	c1-e1	8.16	cd
AC46,PEG-15	2485.54	qr	255.62	qrs	522.62	h	795.00	e	0.452	lmn	207.79	klm	6.31	d1e1
AC47,PEG-15	3377.59	i	180.31	r1-t1	544.72	g	715.27	s-x	0.565	def	214.29	jkl	4.74	l2-o2
AC48,PEG-15	2088.87	xy	195.43	i1-m1	376.37	xy	771.35	fg	0.428	nop	103.90	a1-c1	5.77	q1-s1
AC49,PEG-15	1128.62	g2	171.36	v1-y1	302.40	n1	698.38	a1-d1	0.347	v-y	90.91	c1-e1	6.56	x-a1
AC50,PEG-15	3207.08	k	264.26	nop	490.22	k	725.41	p-s	0.613	b	214.29	jkl	4.56	q2-t2
AC51,PEG-15	1349.38	t1-v1	176.60	t1-v1	357.27	b1	776.76	fg	0.242	h1-j1	129.87	wxy	7.92	fg
AC52,PEG-15	1905.79	a1	224.75	b1c1	349.78	c1	742.97	j-n	0.339	w-z	103.90	a1-c1	6.58	xyz
AC53,PEG-15	2672.21	n	199.14	h1-j1	422.81	q	811.22	d	0.444	mno	168.83	qrs	5.69	s1-u1
AC54,PEG-15	3971.69	f	258.40	opq	590.60	b	728.78	o-r	0.654	a	298.70	bcd	7.31	n
AC55,PEG-15	2889.38	m	188.95	n1-p1	510.64	i	771.35	fg	0.452	lmn	214.29	jkl	5.84	n1-r1
AC56,PEG-15	3237.59	k	115.19	j3-l3	390.97	v	751.76	ijk	0.452	lmn	214.29	jkl	6.39	c1d1
AC57,PEG-15	595.54	o3	84.32	u3v3	351.65	c1	708.51	v-a1	0.339	w-z	123.38	xyz	7.63	jk
AC58,PEG-15	2431.69	s	355.93	d	397.15	tu	655.14	t1-x1	0.452	lmn	168.83	qrs	5.90	m1-p1
AC59,PEG-15	1543.23	n1	139.57	s2-x2	342.28	d1e1	697.70	b1-d1	0.355	u-x	181.82	opq	7.45	lm
AC60,PEG-15	1756.82	d1-f1	224.75	b1c1	435.54	p	705.14	x-c1	0.371	s-v	103.90	a1-c1	5.55	v1w1
AC61,PEG-15	4289.38	c	374.14	c	617.19	a	833.51	ab	0.589	bcd	350.65	a	5.79	p1-s1
AC62,PEG-15	2672.21	n	188.95	n1-p1	402.58	s	740.95	lmn	0.395	qrs	188.31	nop	5.39	x1-z1
AC63,PEG-15	4100.92	d	250.99	st	591.35	b	810.54	d	0.524	hij	285.71	def	4.97	f2-h2
AC64,PEG-15	2566.31	op	159.94	b2-g2	395.84	u	751.08	i-l	0.395	qrs	188.31	nop	6.89	tu

PC: proline content, SSC: soluble sugar content, TPC: total phenolic content, AC: antioxidant activity, GPA: guaiacol peroxidase activity, CAT: catalase activity, LP: lipid peroxidation. Different letters denote a statistically significant variation in mean values measured by Duncan's Multiple-Range Test ($p \leq 0.01$).