

**Table S1- Percent decrease in germination for different *Brassica* sp. under stress conditions over control**

S.no.	Species /Genotypes	Days to Germination						Germination Percentage									
		Heat		Drought				Heat			Drought						
		C	T	C	2.5% PEG	5% PEG	10% PEG	C	T	%Change	C	2.5% PEG	%Change	5% PEG	%Change	10% PEG	%Change
1	<i>Brassica fruticulosa</i>	1	1	1	1	1	1	90	30	66.67 ↓	100	45	55↓	60	40↓	75	25↓
2	<i>Brassica fruticulosa</i> (Spain)	3	3	3	3	3	3	65	30	53.85↓	80	100	25↑	100	25↑	50	37.5↓
3	<i>Brassica tournefortii</i> (RBT 2002)	1	1	1	1	1	1	85	75	11.76↓	90	95	5.55↑	95	5.55↑	100	11.11↑
4	<i>Brassica tournefortii</i> (RBT 2003)	1	1	1	1	1	1	85	80	5.88↓	90	90	0	100	11.11↑	100	11.11↑
5	<i>Camelina sativa</i>	1	1	1	1	1	1	90	90	0	100	100	0	100	0	100	0
6	<i>Capsella bursa-pastoris</i> (early)	3	3	3	3	3	3	95	35	63.16↓	100	100	0	100	0	100	0
7	<i>Capsella bursa-pastoris</i> (late)	3	3	3	3	3	3	85	80	5.88↓	100	100	0	100	0	100	0
8	<i>Diplotaxis assurgens</i>	1	1	1	1	1	1	80	90	12.50↑	90	95	5.55↑	100	11.11↑	100	11.11↑
9	<i>Diplotaxis catholica</i>	1	1	1	1	1	1	95	90	5.26↓	80	95	18.75↑	95	18.75↑	100	25↑
10	<i>Diplotaxis cretacia</i>	1	1	1	1	1	1	100	60	40↓	80	100	25↑	100	25↑	100	25↑
11	<i>Diplotaxis eruroides</i>	1	1	1	1	1	1	0	0	-	80	80	0	100	25↑	100	25↑
12	<i>Diplotaxis gomez-campo</i>	1	1	1	1	1	1	90	85	5.56↓	60	90	50↑	100	66.66↑	100	66.66↑
13	<i>Diplotaxis muralis</i>	1	1	1	1	1	1	100	60	40↓	85	95	11.76↑	50	41.17↓	50	41.17↓
14	<i>Diplotaxis tenuisiliqua</i>	1	1	1	1	1	1	100	60	40↓	100	95	5↓	100	0	100	0
15	<i>Diplotaxis viminea</i>	1	1	1	1	1	1	95	75	21.05	90	85	5.55↓	80	11.11↓	90	0
16	<i>Lepidium sativum</i>	1	1	1	1	1	1	80	100	25.00↑	85	100	17.64↑	100	17.64↑	100	17.64↑
17	<i>Sinapis alba</i>	1	1	1	1	1	1	80	80	0	95	85	10.52↓	80	15.78↓	95	0
18	<i>Crambe abyssinica</i> (EC400058)	3	3	3	3	3	3	90	60	33.33↓	60	65	8.33↑	75	25↑	95	58.33↑
19	<i>Crambe abyssinica</i> (EC694145)	1	1	1	1	1	1	75	45	40↓	80	80	0	90	12.5↑	90	12.5↑

20	<i>Eruca sativa</i> (IC57706)	1	1	1	1	1	1	85	75	11.76↓	80	95	18.75↑	95	18.75↑	100	25↑
21	<i>Eruca sativa</i> (IC62713)	1	1	1	1	1	1	70	60	14.29↓	65	90	38.46↑	85	30.76↑	100	53.84↑
22	<i>Biscutella didyma</i>	1	3	3	3	3	3	95	40	57.89↓	90	100	11.11↑	100	11.11↓	100	11.11↑
23	<i>Oxycamp</i>	1	3	3	3	3	3	0	0	-	40	40	0	50	25↑	50	25↑
24	<i>Brassica tournefortii</i> (Rawa)	1	1	1	1	1	1	65	90	38.46↑	90	80	11.11↓	50	44.44↓	75	16.66↓
25	<i>Brassica rapa</i> (IC374272)	1	1	1	1	1	1	100	100	0	100	100	0	100	0	100	0
26	<i>B. juncea</i> (Pusa Jaikisan)	1	1	1	1	1	1	55	50	9.09↓	40	65	62.5↑	60	50↑	90	125↑
27	<i>B. nigra</i> (EC472708)	1	1	1	1	1	1	100	75	25↓	100	100	0	100	0	100	0
28	<i>B. napus</i> (GSC 6)	1	1	1	1	1	1	95	90	5.26↓	95	100	5.26↑	100	5.26↑	100	5.26↑
29	<i>B. carinata</i> (PC-6)	1	1	1	1	1	1	100	80	20↓	100	100	0	100	0	100	0

C: Control and T: Treatment; ↑ and ↓denotes increase and decrease, respectively in germination under stress condition as compared to control

**Table S2- Tolerance index (TI) and membership function value (MFV) for trait germination percentage, shoot length and root length under heat stress.**

[illegible]

**Table S3-Shoot length and Root length of wild and U triangle species of Brassica germinated under different concentrations of PEG6000.**  
**Different letters denote a significant difference at  $p < 0.05$  based on the least significant difference (LSD) test.**

	Treatment	Control		2.5% PEG				5% PEG				10% PEG			
S.no.	Genotype	Shoot length	Root length	Shoot length	Fold change in shoot length	Root length	Fold change in root length	Shoot length	Fold change in shoot length	Root length	Fold change in root length	Shoot length	Fold change in shoot length	Root length	Fold change in root length
1	<i>Brassica fruticulosa</i>	2.97 <sup>FEDG</sup>	3.07 <sup>HEGKDIFI</sup>	1.4 <sup>NM</sup>	0.47	1.17 <sup>GF</sup>	0.38	1.27 <sup>MN</sup>	0.43	1.2 <sup>M</sup>	0.39	1.43 <sup>NM</sup>	0.48	1.07 <sup>K</sup>	0.35
2	<i>Brassica fruticulosa</i> (Spain)	2.3 <sup>FHG</sup>	1.13 <sup>ML</sup>	2.17 <sup>HJGI</sup>	0.94	0.63 <sup>G</sup>	0.56	2.57 <sup>HFEIG</sup>	1.12	2.23 <sup>MLK</sup>	1.97	3.1 <sup>FGE</sup>	1.35	4.57 <sup>FHIG</sup>	4.03
3	<i>Brassica tournefortii</i> (RBT 2002)	3.03 <sup>FCEDG</sup>	4.3 <sup>EDF</sup>	2.93 <sup>EDF</sup>	0.97	1.43 <sup>EGF</sup>	0.33	2.57 <sup>HFEIG</sup>	0.85	5.07 <sup>HJGIF</sup>	1.18	2.43 <sup>JIGH</sup>	0.8	6.7 <sup>FED</sup>	1.56
4	<i>Brassica tournefortii</i> (RBT 2003)	2.73 <sup>FEHDG</sup>	2.93 <sup>HGKLJFI</sup>	2.83 <sup>EDF</sup>	1.04	3.77 <sup>EDGCF</sup>	1.28	2.83 <sup>HFEDG</sup>	1.04	4.33 <sup>HJGIK</sup>	1.48	2.8 <sup>FIGH</sup>	1.02	6.23 <sup>FEG</sup>	2.13
5	<i>Camelina sativa</i>	2.17 <sup>HG</sup>	2.53 <sup>HGKLJFI</sup>	2.07 <sup>HJKI</sup>	0.95	3.3 <sup>EDGF</sup>	1.3	2.4 <sup>HFJIG</sup>	1.11	5.47 <sup>HEGIF</sup>	2.16	2.93 <sup>FGH</sup>	1.35	9.37 <sup>CBD</sup>	3.7
6	<i>Capsella bursa-pastoris</i> (early)	0.77 <sup>I</sup>	0.63 <sup>M</sup>	1.4 <sup>NM</sup>	1.83	0.5 <sup>G</sup>	0.79	1.07 <sup>N</sup>	1.39	0.77 <sup>M</sup>	1.21	1.57 <sup>NML</sup>	2.04	1.47 <sup>JK</sup>	2.32
7	<i>Capsella bursa-pastoris</i> (late)	0.9 <sup>I</sup>	0.37 <sup>M</sup>	1.13 <sup>N</sup>	1.26	0.5 <sup>G</sup>	1.36	1.2 <sup>MN</sup>	1.33	0.73 <sup>M</sup>	2	2.43 <sup>JIGH</sup>	2.7	1.6 <sup>JK</sup>	4.36
8	<i>Diplotaxis assurgens</i>	2.1 <sup>HG</sup>	1.13 <sup>ML</sup>	1.97 <sup>LJKI</sup>	0.94	9.07 <sup>A</sup>	8	1.67 <sup>MKJNL</sup>	0.79	2.07 <sup>MLK</sup>	1.82	2.07 <sup>JMKL</sup>	0.98	2.97 <sup>JKHI</sup>	2.62
9	<i>Diplotaxis catholica</i>	2.47 <sup>FEHG</sup>	2.57 <sup>HGKLJFI</sup>	2.27 <sup>HGI</sup>	0.92	2.17 <sup>EDGF</sup>	0.84	2.1 <sup>HKJI</sup>	0.85	1.67 <sup>MLK</sup>	0.65	2.53 <sup>JIGH</sup>	1.03	2.7 <sup>JKI</sup>	1.05
10	<i>Diplotaxis cretacia</i>	2.47 <sup>FEHG</sup>	1.83 <sup>HMKLJI</sup>	1.6 <sup>LKNM</sup>	0.65	1.57 <sup>EGF</sup>	0.85	2.07 <sup>HKIJL</sup>	0.84	2.7 <sup>MJLIK</sup>	1.47	2.23 <sup>JKIL</sup>	0.91	2.47 <sup>JKI</sup>	1.35
11	<i>Diplotaxis eruroides</i>	2.2 <sup>FHG</sup>	3.1 <sup>HEGKDIFI</sup>	1.53 <sup>LNMI</sup>	0.7	2.37 <sup>EDGF</sup>	0.76	2.13 <sup>HKIJ</sup>	0.97	2.33 <sup>MJLK</sup>	0.75	2.47 <sup>JIGH</sup>	1.12	3.43 <sup>JKHI</sup>	1.11
12	<i>Diplotaxis gomez-campoi</i>	2.1 <sup>HG</sup>	1.13 <sup>ML</sup>	1.93 <sup>LJKI</sup>	0.92	1.77 <sup>EGF</sup>	1.56	2 <sup>MKJIL</sup>	0.95	1.47 <sup>ML</sup>	1.29	1.7 <sup>NMKL</sup>	0.81	2.37 <sup>JKI</sup>	2.09
13	<i>Diplotaxis muralis</i>	1.8 <sup>IH</sup>	1.43 <sup>MKLJ</sup>	1.3 <sup>NM</sup>	0.72	1.57 <sup>EGF</sup>	1.09	1.7 <sup>MKJNL</sup>	0.94	1.53 <sup>ML</sup>	1.07	1.37 <sup>N</sup>	0.76	2.37 <sup>JKI</sup>	1.65
14	<i>Diplotaxis tenuisiliqua</i>	2.17 <sup>HG</sup>	2.07 <sup>HMGKLJI</sup>	1.63 <sup>LKM</sup>	0.75	1.73 <sup>EGF</sup>	0.84	2.13 <sup>HKIJ</sup>	0.98	1.8 <sup>MLK</sup>	0.87	2.27 <sup>JKH</sup>	1.05	3.43 <sup>JKHI</sup>	1.66
15	<i>Diplotaxis viminea</i>	2.47 <sup>FEHG</sup>	1.23 <sup>MKL</sup>	2.3 <sup>HGI</sup>	0.93	2.17 <sup>EDGF</sup>	1.76	2 <sup>MKJIL</sup>	0.81	3 <sup>MJLIK</sup>	2.43	2.03 <sup>NMKL</sup>	0.82	2.9 <sup>JKHI</sup>	2.35
16	<i>Lepidium sativum</i>	2.87 <sup>FEHDG</sup>	3.83 <sup>EGDF</sup>	3.07 <sup>ED</sup>	1.07	6.03 <sup>BDAC</sup>	1.57	3.2 <sup>FEDC</sup>	1.12	6.17 <sup>HEGDF</sup>	1.61	3.3 <sup>FDE</sup>	1.15	5.4 <sup>FHEG</sup>	1.41
17	<i>Sinapis alba</i>	3.2 <sup>FCEBDG</sup>	3.43 <sup>HEGDFI</sup>	2.47 <sup>HGF</sup>	0.77	4.37 <sup>EBDGCF</sup>	1.27	3.63 <sup>BDC</sup>	1.14	8.73 <sup>BDC</sup>	2.54	3.93 <sup>CD</sup>	1.23	11.6 <sup>B</sup>	3.38
18	<i>Crambe abyssinica</i> (EC400058)	3.57 <sup>CEBD</sup>	3.27 <sup>HEGKDIFI</sup>	2.8 <sup>EDF</sup>	0.79	3.33 <sup>EDGF</sup>	1.02	4.03 <sup>BA</sup>	1.13	7.2 <sup>EDF</sup>	2.2	3.47 <sup>FDE</sup>	0.97	4.33 <sup>FHIG</sup>	1.33
19	<i>Crambe abyssinica</i> (EC694145)	3.87 <sup>CBD</sup>	3.03 <sup>HEGKLJFI</sup>	3.57 <sup>CB</sup>	0.92	3.1 <sup>EDGF</sup>	1.02	4 <sup>BAC</sup>	1.03	6.47 <sup>HEGDF</sup>	2.13	3.43 <sup>FDE</sup>	0.89	4.73 <sup>FHIG</sup>	1.56
20	<i>Eruca sativa</i> (IC57706)	4.33 <sup>B</sup>	4.83 <sup>ED</sup>	3.73 <sup>CB</sup>	0.86	6.17 <sup>BDAC</sup>	1.28	3.33 <sup>BEDC</sup>	0.77	7.1 <sup>EGDF</sup>	1.47	5.47 <sup>A</sup>	1.26	9.43 <sup>CB</sup>	1.95
21	<i>Eruca sativa</i> (IC62713)	5.63 <sup>A</sup>	11.5 <sup>A</sup>	4.9 <sup>A</sup>	0.87	4.47 <sup>EBDGCF</sup>	0.39	4.8 <sup>A</sup>	0.85	10.7 <sup>BAC</sup>	0.93	5.53 <sup>A</sup>	0.98	10.47 <sup>B</sup>	0.91

22	<i>Biscutella didyma</i>	2.47 <sup>FEHG</sup>	1.63 <sup>MKLJI</sup>	2.27 <sup>HGI</sup>	0.92	1.73 <sup>EGF</sup>	1.06	2.3 <sup>HKJIG</sup>	0.93	2.4 <sup>MJLK</sup>	1.47	1.6N <sup>MKL</sup>	0.65	2.73 <sup>JKHI</sup>	1.67
23	<i>Oxycamp</i>	0	1.3	1.7 <sup>LJKM</sup>	0	1.43 <sup>EGF</sup>	1.1	1.53 <sup>MKNL</sup>	0	1.2 <sup>M</sup>	0.92	2.47 <sup>JIGH</sup>	0	1.4 <sup>K</sup>	1.08
24	<i>Brassica tournefortii</i> (Rawa)	0	2.05	2.6 <sup>EGF</sup>	0	3.1 <sup>EDGF</sup>	1.51	1.67 <sup>MKJNL</sup>	0	2.83 <sup>EDC</sup>	1.38	2.5 <sup>JIGH</sup>	0	4.13 <sup>JFHIG</sup>	2.02
25	<i>B. rapa</i> (IC374272)	3.73 <sup>CBD</sup>	6.97 <sup>D</sup>	3.27 <sup>CD</sup>	0.88	3.83 <sup>EDGF</sup>	0.55	3.17 <sup>FED</sup>	0.85	8.17 <sup>EDC</sup>	1.17	3.33 <sup>FDE</sup>	0.89	7.57 <sup>CED</sup>	1.09
26	<i>B. juncea</i> (Pusa Jaikisan)	3.33 <sup>FCEBD</sup>	3.67 <sup>HEGDF</sup>	3.97 <sup>B</sup>	1.19	5.2 <sup>EBDACF</sup>	1.42	3.33 <sup>BEDC</sup>	1	4.1 <sup>HJLIK</sup>	1.12	3.67 <sup>CDE</sup>	1.1	3.57 <sup>JKHIG</sup>	0.97
27	<i>B. nigra</i> (EC472708)	4.13 <sup>B</sup>	7.83 <sup>C</sup>	3.7 <sup>CB</sup>	0.9	5.43 <sup>EBDAC</sup>	0.69	3.2 <sup>FEDC</sup>	0.77	6.87 <sup>HJLIK</sup>	0.88	4.2 <sup>CB</sup>	1.02	9.67 <sup>CB</sup>	1.23
28	<i>B. napus</i> (GSC 6)	4.2 <sup>B</sup>	10.43 <sup>BA</sup>	3.97 <sup>B</sup>	0.94	7.6 <sup>BAC</sup>	0.73	3.57 <sup>BDC</sup>	0.85	11.2 <sup>BA</sup>	1.07	4.7 <sup>B</sup>	1.12	15.67 <sup>A</sup>	1.5
29	<i>B. carinata</i> (PC-6)	3.23 <sup>FCEBDG</sup>	9.4 <sup>BC</sup>	3.57 <sup>CB</sup>	1.1	8.43 <sup>BA</sup>	0.9	3.1 <sup>FEDG</sup>	0.96	12.17 <sup>A</sup>	1.29	3.03 <sup>FGE</sup>	0.94	14.6 <sup>A</sup>	1.55

**Table S4- Tolerance index (TI) and membership function value (MFV) for trait survival percentage and MDA under heat stress**

[illegible]

**Table S5- Tolerance index (TI) and membership function value (MFV) for trait shoot length and root length at 2.5% PEG6000**

S.no.	Genotype	Control		2.5% PEG				TI	MFV
		Shoot Length	Root Length	Shoot Length	TI	MFV	Root Length		
1	<i>Brassica fruticulosa</i>	3.0	3.1	1.4	0.5	-0.2	1.2	0.4	0.0
2	<i>Brassica fruticulosa (Spain)</i>	2.3	1.1	2.2	0.9	0.2	0.6	0.6	0.2
3	<i>Brassica tournefortii (RBT 2002)</i>	3.0	4.3	2.9	1.0	0.2	1.4	0.3	0.0
4	<i>Brassica tournefortii (RBT 2003)</i>	2.7	2.9	2.8	1.0	0.3	3.8	1.3	0.9
5	<i>Camelina sativa</i>	2.2	2.5	2.1	1.0	0.2	3.3	1.3	0.9
6	<i>Capsella bursa-pastoris (early)</i>	0.8	0.6	1.4	1.8	1.1	0.5	0.8	0.4
7	<i>Capsella bursa-pastoris (Late)</i>	0.9	0.4	1.1	1.3	0.5	0.5	1.4	1.0
8	<i>Diplotaxis assurgens</i>	2.1	1.1	2.0	0.9	0.2	9.1	8.0	7.6
9	<i>Diplotaxis catholica</i>	2.5	2.6	2.3	0.9	0.2	2.2	0.8	0.5
10	<i>Diplotaxis cretacia</i>	2.5	1.8	1.6	0.6	-0.1	1.6	0.9	0.5
11	<i>Diplotaxis erucoides</i>	2.2	3.1	1.5	0.7	0.0	2.4	0.8	0.4
12	<i>Diplotaxis gomez-campo</i>	2.1	1.1	1.9	0.9	0.2	1.8	1.6	1.2
13	<i>Diplotaxis muralis</i>	1.8	1.4	1.3	0.7	0.0	1.6	1.1	0.7
14	<i>Diplotaxis tenuisilique</i>	2.2	2.1	1.6	0.8	0.0	1.7	0.8	0.5
15	<i>Diplotaxis viminea</i>	2.5	1.2	2.3	0.9	0.2	2.2	1.8	1.4
16	<i>Lepidium sativum</i>	2.9	3.8	3.1	1.1	0.3	6.0	1.6	1.2
17	<i>Sinapis alba</i>	3.2	3.4	2.5	0.8	0.0	4.4	1.3	0.9
18	<i>Crambe abyssinica (EC400058)</i>	3.6	3.3	2.8	0.8	0.1	3.3	1.0	0.6
19	<i>Crambe abyssinica (EC694145)</i>	3.9	3.0	3.6	0.9	0.2	3.1	1.0	0.7
20	<i>Eruca sativa (IC57706)</i>	4.3	4.8	3.7	0.9	0.1	6.2	1.3	0.9
21	<i>Eruca sativa (IC62713)</i>	5.6	11.5	4.9	0.9	0.1	4.5	0.4	0.0
22	<i>Biscutella didyma</i>	2.5	1.6	2.3	0.9	0.2	1.7	1.1	0.7
23	<i>B. rapa (IC374272)</i>	3.7	7.0	3.3	0.9	0.1	3.8	0.6	0.2
24	<i>B. juncea (Pusa Jaikisan)</i>	3.3	3.7	4.0	1.2	0.5	5.2	1.4	1.0
25	<i>B. nigra (EC472708)</i>	4.1	7.8	3.7	0.9	0.2	5.4	0.7	0.3
26	<i>B.napus (GSC 6)</i>	4.2	10.4	4.0	0.9	0.2	7.6	0.7	0.4
27	<i>B. carinata (PC-6)</i>	3.2	9.4	3.6	1.1	0.4	8.4	0.9	0.5

**Table S6- Tolerance index (TI) and membership function value (MFV) for trait shoot length and root length at 5% and 10% PEG6000**

	Genotype	5% PEG						10% PEG					
		Shoot Length	TI	MFV	Root Length	TI	MFV	Shoot Length	TI	MFV	Root Length	TI	MFV
1	<i>Brassica fruticulosa</i>	1.3	0.4	-0.2	1.2	0.4	0.1	1.4	0.5	-0.1	1.1	0.3	0.2
2	<i>Brassica fruticulosa</i> (Spain)	2.6	1.1	0.4	2.2	2.0	1.4	3.1	1.3	0.7	4.6	4.0	3.6
3	<i>Brassica tournefortii</i> (RBT 2002)	2.6	0.8	0.1	5.1	1.2	0.6	2.4	0.8	0.1	6.7	1.6	1.1
4	<i>Brassica tournefortii</i> (RBT 2003)	2.8	1.0	0.3	4.3	1.5	0.9	2.8	1.0	0.4	6.2	2.1	1.7
5	<i>Camelina sativa</i>	2.4	1.1	0.4	5.5	2.2	1.6	2.9	1.4	0.7	9.4	3.7	3.3
6	<i>Capsella bursa-pastoris</i> (early)	1.1	1.4	0.7	0.8	1.2	0.7	1.6	2.0	1.4	1.5	2.3	1.9
7	<i>Capsella bursa-pastoris</i> (Late)	1.2	1.3	0.6	0.7	2.0	1.5	2.4	2.7	2.0	1.6	4.4	3.9
8	<i>Diplotaxis assurgens</i>	1.7	0.8	0.1	2.1	1.8	1.3	2.1	1.0	0.3	3.0	2.6	2.2
9	<i>Diplotaxis catholica</i>	2.1	0.9	0.1	1.7	0.6	0.1	2.5	1.0	0.4	2.7	1.1	0.6
10	<i>Diplotaxis cretacia</i>	2.1	0.8	0.1	2.7	1.5	0.9	2.2	0.9	0.2	2.5	1.3	0.9
11	<i>Diplotaxis erucoides</i>	2.1	1.0	0.2	2.3	0.8	0.2	2.5	1.1	0.5	3.4	1.1	0.7
12	<i>Diplotaxis gomez-campoi</i>	2.0	1.0	0.2	1.5	1.3	0.8	1.7	0.8	0.2	2.4	2.1	1.7
13	<i>Diplotaxis muralis</i>	1.7	0.9	0.2	1.5	1.1	0.5	1.4	0.8	0.1	2.4	1.7	1.2
14	<i>Diplotaxis tenuisiliqua</i>	2.1	1.0	0.2	1.8	0.9	0.3	2.3	1.0	0.4	3.4	1.7	1.2
15	<i>Diplotaxis viminea</i>	2.0	0.8	0.1	3.0	2.4	1.9	2.0	0.8	0.2	2.9	2.4	1.9
16	<i>Lepidium sativum</i>	3.2	1.1	0.4	6.2	1.6	1.1	3.3	1.2	0.5	5.4	1.4	1.0
17	<i>Sinapis alba</i>	3.6	1.1	0.4	8.7	2.5	2.0	3.9	1.2	0.6	11.6	3.4	2.9
18	<i>Crambe abyssinica</i> (EC400058)	4.0	1.1	0.4	7.2	2.2	1.7	3.5	1.0	0.3	4.3	1.3	0.9
19	<i>Crambe abyssinica</i> (EC694145)	4.0	1.0	0.3	6.5	2.1	1.6	3.4	0.9	0.2	4.7	1.6	1.1
20	<i>Eruca sativa</i> (IC57706)	3.3	0.8	0.0	7.1	1.5	0.9	5.5	1.3	0.6	9.4	2.0	1.5
21	<i>Eruca sativa</i> (IC62713)	4.8	0.9	0.1	10.7	0.9	0.4	5.5	1.0	0.3	10.5	0.9	0.5
22	<i>Biscutella didyma</i>	2.3	0.9	0.2	2.4	1.5	0.9	1.6	0.6	0.0	2.7	1.7	1.2
23	<i>B. rapa</i> (IC374272)	3.2	0.8	0.1	8.2	1.2	0.6	3.3	0.9	0.2	7.6	1.1	0.7
24	<i>B. juncea</i> (Pusa Jaikisan)	3.3	1.0	0.3	4.1	1.1	0.6	3.7	1.1	0.4	3.6	1.0	0.5
25	<i>B. nigra</i> (EC472708)	3.2	0.8	0.0	6.9	0.9	0.3	4.2	1.0	0.4	9.7	1.2	0.8
26	<i>B.napus</i> (GSC 6)	3.6	0.8	0.1	11.2	1.1	0.5	4.7	1.1	0.5	15.7	1.5	1.1
27	<i>B. carinata</i> (PC-6)	3.1	1.0	0.2	12.2	1.3	0.8	3.0	0.9	0.3	14.6	1.6	1.1





**Table S8-Tolerance index (TI) and membership function value (MFV) for trait survival percentage at 2.5%, 5% and 10% PEG6000**

S. No.	Genotypes	C2.5% PEGSP	T2.5%PEG SP	TI	MFV	C5%PEG SP	T5%PEG SP	TI	MFV	C10%PEG SP	T10%PEG SP	TI	MFV
1	<i>Brassica fruticulosa</i>	100.0	100.0	1.0	-0.4	89.7	85.0	0.9	0.9	88.9	79.2	0.9	0.9
2	<i>Brassica fruticulosa (Spain)</i>	100.0	100.0	1.0	-0.4	87.5	89.5	1.0	1.0	71.4	66.7	0.9	0.9
3	<i>Brassica tournefortii (RBT 2002)</i>	100.0	100.0	1.0	-0.4	82.4	70.8	0.9	0.9	54.5	28.6	0.5	0.5
4	<i>Brassica tournefortii (RBT 2003)</i>	100.0	69.4	0.7	-0.7	69.2	38.5	0.6	0.6	63.0	42.9	0.7	0.7
5	<i>Camelina sativa</i>	100.0	94.3	0.9	-0.4	83.3	72.0	0.9	0.9	44.4	21.4	0.5	0.5
6	<i>Capsella bursa-pastoris (early)</i>	100.0	85.7	0.9	-0.5	71.4	0.0	0.0	0.0	60.0	0.0	0.0	0.0
7	<i>Capsella bursa-pastoris (late)</i>	100.0	100.0	1.0	-0.4	82.4	62.5	0.8	0.8	54.5	54.5	1.0	1.0
8	<i>Diplotaxis catholica</i>	100.0	100.0	1.0	-0.4	63.6	52.4	0.8	0.8	52.4	50.0	1.0	1.0
9	<i>Diplotaxis cretacia</i>	100.0	100.0	1.0	-0.4	87.0	82.1	0.9	0.9	53.3	30.8	0.6	0.6
10	<i>Diplotaxis muralis</i>	100.0	100.0	1.0	-0.4	75.0	66.7	0.9	0.9	0.0	0.0	0	0
11	<i>Diplotaxis viminea</i>	100.0	100.0	1.0	-0.4	62.5	52.9	0.8	0.8	0.0	0.0	0	0
12	<i>Lepidium sativum</i>	100.0	100.0	1.0	-0.4	87.5	77.1	0.9	0.9	50.0	0.0	0.0	0.0
13	<i>Sinapis alba</i>	100.0	78.1	0.8	-0.6	63.6	22.7	0.4	0.4	64.3	23.5	0.4	0.4
14	<i>Crambe abyssinica (EC400058)</i>	100.0	100.0	1.0	-0.4	60.0	50.0	0.8	0.8	61.9	0.0	0.0	0.0
15	<i>Crambe abyssinica (EC694145)</i>	100.0	90.0	0.9	-0.5	63.0	50.0	0.8	0.8	55.6	28.6	0.5	0.5
16	<i>Eruca sativa (IC57706)</i>	100.0	78.8	0.8	-0.6	57.9	34.8	0.6	0.6	52.9	50.0	0.9	0.9
17	<i>Eruca sativa (IC62713)</i>	100.0	82.8	0.8	-0.6	65.2	36.8	0.6	0.6	54.5	0.0	0.0	0.0
18	<i>Biscutella didyma</i>	100.0	88.0	0.9	-0.5	58.3	0.0	0.0	0.0	53.3	0.0	0.0	0.0
19	<i>Brassica rapa (IC374272)</i>	100.0	100.0	1.0	-0.4	80.0	72.7	0.9	0.9	64.3	0.0	0.0	0.0
20	<i>B. juncea (Pusa Jaikisan)</i>	100.0	100.0	1.0	-0.4	58.3	53.9	0.9	0.9	64.3	16.7	0.3	0.3
21	<i>B. nigra (EC472708)</i>	100.0	100.0	1.0	-0.4	64.7	41.4	0.6	0.6	54.5	0.0	0.0	0.0
22	<i>B.napus (GSC 6)</i>	100.0	100.0	1.0	-0.4	87.0	71.4	0.8	0.8	53.3	0.0	0.0	0.0
23	<i>B. carinata (PC-6)</i>	100.0	78.0	0.8	-0.6	68.4	54.6	0.8	0.8	61.5	0.0	0.0	0.0

