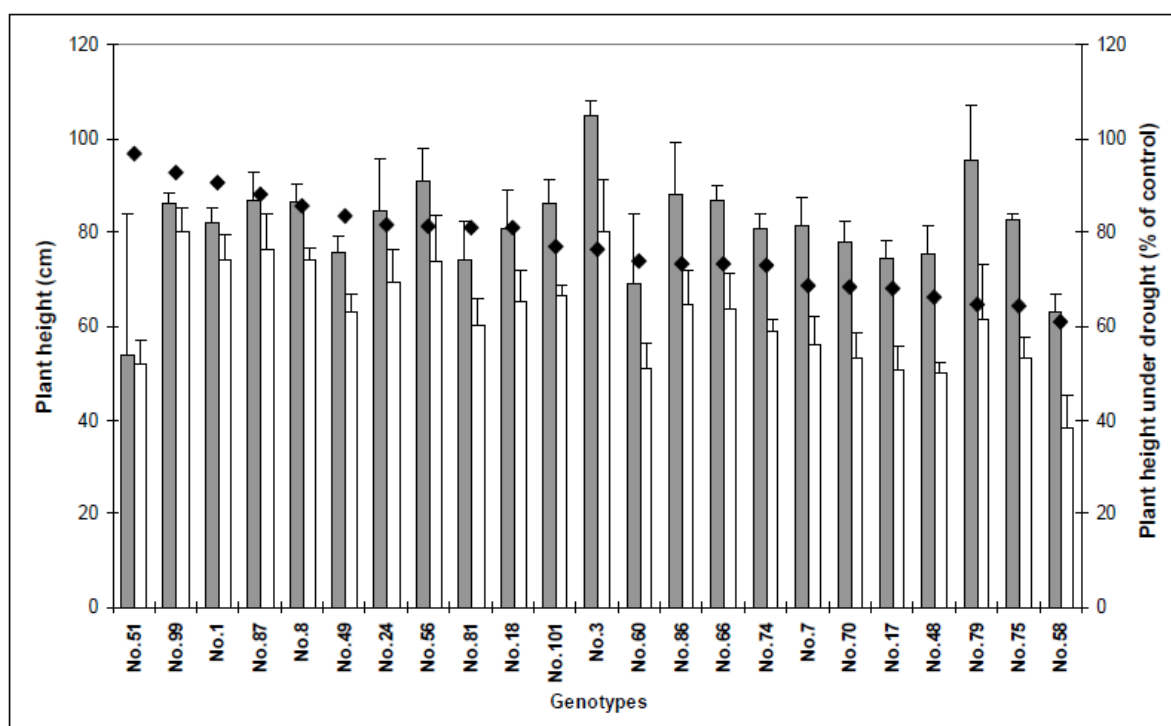


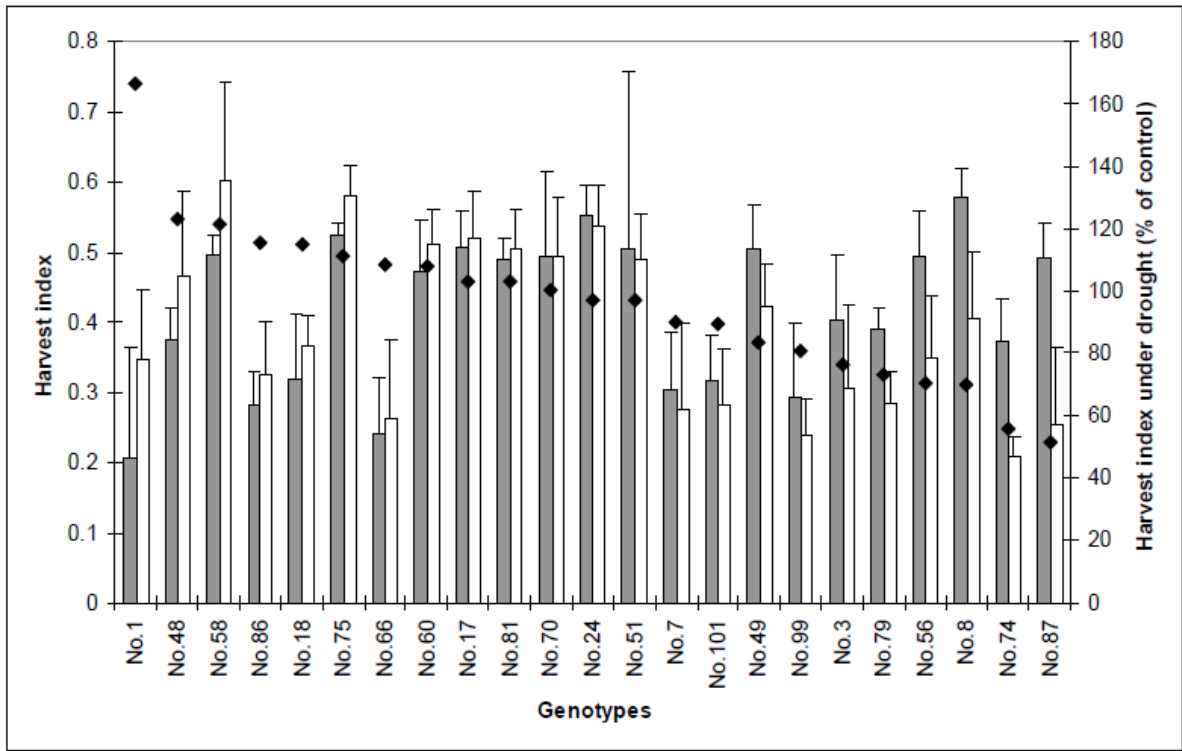
Supplementary data

**Monitoring drought responses of barley genotypes with semi-robotic phenotyping platform and association analysis between recorded traits and allelic variants of some stress genes**

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**Supplementary Fig 1.** Genotype-dependent variation in the plant height (PH) under normal and water-scarce conditions: ■ 60 % water content; ♦ 20 % water content; ▲ represents the drought value as % of the water use efficiency at normal soil water content.



**Supplementary Fig 2.** Genotype-dependent variation in the harvest index (HI) under normal and water-scarce conditions: ■ 60 % water content; ♦ 20 % water content; ▲ represents the drought value as % of the water use efficiency at normal soil water content

**Supplementary Table 1.** Basic information about barley genotypes characterized in the present work.  
Growth class: W=winter; S=spring, Row number: 2; 6.

No.	Local name	Accession name	Country of origin	Growth class	Row number
<b>No.1</b>	Albacete	AUS 400244	ESP	W	6
<b>No.3</b>	Keystone	BCC 888	CAN	S	6
<b>No.7</b>	AZ8501	PI 499692	USA	W	6
<b>No.8</b>	Hazen	BCC 875	USA	S	6
<b>No.17</b>	Arabi Aswad	JIC 20126	SYR	S	2
<b>No.18</b>	Otis	BCC 913	USA	S	2
<b>No.24</b>	Hex. Wh. Barley	HOR 12305	CHN	W	6
<b>No.48</b>	WI2291	AUS 490150	AUS	S	2
<b>No.49</b>	ICB78-0614-4AP..	AUS 490155	SYR	S	2
<b>No.51</b>	Seco	PI 508552	USA	S	6
<b>No.56</b>	Monlón	SBCC166	SPA	S	6
<b>No.58</b>	ICB79-0583-2AP..	AUS 490154	SYR	S	2
<b>No.60</b>	Arta	AUS 405831	UNK	S	2
<b>No.66</b>	Scarlett	-	-	S	2
<b>No.70</b>	Tadmor	AUS 490164	UNK	S	2
<b>No.74</b>	ICB77-0091..	AUS 490151	SYR	S	2
<b>No.75</b>	Rihane-01	AUS 403027	SYR	S	2
<b>No.79</b>	Compana	HOR 3928	USA	S	2
<b>No.81</b>	Olte's'	AUS 490148	MEX	S	2
<b>No.86</b>	Fengtien Black	BCC 439	CHN	S	6
<b>No.87</b>	Arda	BCC 1303	ITA	W	2
<b>No.99</b>	SCA118	-	DEU	S	2
<b>No.101</b>	SCA239	-	DEU	S	2