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(Hordeum vulgare L.)

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(Sprouting Index)

(Sprouting Score)

(Stanch, 1983)

.(Noormohammadi et al., 1999)

.(Debeaujon & Koorneef, 2000)

.(Fretzdorff & Betsche, 1998)

1. after-ripening

E-mail: tavakkol@ut.ac.ir

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.(Gomez & Zentella, 2001)

\(PHS)

.(Sorrells, 2002)

(Hordeum vulgare L.)

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.(Przul et al., 1998)

.(Stanch, 1983)

.(Strand, 1989)

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.(Gomez & Zentella, 2001)

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(Zadoks et al., 1974)(

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.(Veronica Rodrigues et al., 2001)

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1. Pre-harvest Sprouting
 2. Viability

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.(Gomez & Zentella, 2001)

(1994) Clark et al.

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(Tavakol Afshari & Yazdi

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(Debeaujon & Koormeef, 2000)

(2002) Tavakol Afshari & Hucl .

(Ward)

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(1998) Caddick & Shelton

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(1986) Baskin & Baskin

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genotype	Num	0	5	10	15	20	25
CGN01286	38	↓					
والفجر	59	↓					
CGN00914	22	↓					
CGN01024	27	↓					
CGN02234	48	↓					
گرگان	58	↓					
CGN00002	1	↓	↓	↓	↓	↓	↓
CGN01924	47	↓	↔				
CGN01058	28	↓	↔				
CGN02257	52	↓	↔				
CGN01271	37	↓	↔				
CGN02258	51	↓	↓	↓	↓	↓	↓
CGN00970	24	↓	↔	↔			
CGN00982	25	↓	↔	↔			
CGN00962	23	↓	↔	↔			
CGN00508	7	↓	↔	↔			
CGN02271	55	↓	↓	↔			
CGN01023	26	↓	↓	↓	↓	↓	↓
CGN02249	50	↓	↔			↔	
CGN02266	54	↓	↔			↔	
CGN00877	21	↓	↔			↔	
CGN01215	36	↓	↔			↔	
CGN00683	15	↓	↔			↔	
CGN00737	20	↓	↓	↓	↓	↔	
CGN02265	53	↓				↔	
CGN00710	16	↓				↓	↓
CGN00495	6	↓				↔	↔
CGN00711	17	↓				↔	↔
CGN00047	2	↓				↔	↔
CGN01689	46	↓				↔	↔
CGN01088	30	↓				↔	↔
CGN01120	31	↓				↔	↔
CGN00341	5	↓				↔	↔
CGN01648		43		↓	↓	↓	↓
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CGN02554	57	↓					↔
CGN01685	45	↓					↔
CGN02242	49	↓					↔
CGN00651	14	↓					↔
CGN01643	42	↓					↔
CGN01657	44	↓					↔
CGN01081	29	↓					↔
CGN01163	32	↓					↔
CGN00720	19	↓					↔
CGN01288	39	↓					↔
CGN00588	9	↓					↔
CGN01214	35	↓					↔
CGN00537	8	↓	↓	↓	↓	↓	↔
CGN00614	12	↓	↔				↔
CGN01350	40	↓	↔				↔
CGN00628	13	↓	↔				↔
CGN00589					10		↓
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CGN00715	18	↓	↔				
CGN02274	56	↓	↔				
CGN01461	41	↓	↔				
CGN01196	33	↓	↓	↓	↓	↓	
CGN01209	34	↓					
CGN00064	3	↓					
CGN00599	11	↓					
CGN00176				4	↓		

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genotype	Num	0	5	10	15	20	25
CGN00508	7	↓↘					
والفجر	59	↓□					
CGN00002	1	↓□					
CGN00683	15	↓□					
CGN02257	52	↓□					
CGN00914	22	↓↑↓↘					
CGN02249	50	↓□ ↔					
CGN01081	30	↓□ ↔					
CGN01286	38	↓□ □↓↓↓↓↓↓↓↓↓↓↓↓					
CGN01023	26	↓□ ↔	↔				
CGN01214	35	↓↘ ↔	↔				
CGN00970	24	↓↘ ↔	↔				
CGN01058	28	↓↑↓↘	↔				
CGN02255	51	↓□	↔				
CGN02266	54	↓□	↔				
CGN00982	25	↓□	↔				
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CGN01081	29	↓↘	↔				↔
CGN00495	6	↓↘	↔				↔
CGN00737	20	↓□	↔				↔
CGN01461	41	↓↑↓↘	↔				↔
CGN02274	56	↓□ ↔	↔				↔
CGN00064	3	↓□ ↔	↔				↔
CGN00962	23	↓□ ↔	↔				↔
CGN00877	21	↓↘ ↔	↔				↔
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CGN00537	8	↓□ ↔					↔
CGN00715	18	↓□ ↔					↔
CGN01209	34	↓□ ↔					↔
CGN00599	11	↓↑↓↘					↔
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CGN01196	33	↓□					↔
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CGN00651	14	↓□	↔				↔
CGN01657	44	↓□	↔				↔
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CGN01689	46	↓↘	↔				↔
CGN00341	5	↓↘	↔				↔
CGN02271	55	↓↑↓↘	↔				↔
CGN00176	4	↓□ ↔	↔				↔
CGN00588	9	↓□ ↔	↔				↔
CGN00711	17	↓↘ □↓↓↓↓↓↓↓↓↓↓↓↓					↔
CGN01288	39	↓↘ ↔					↔
CGN02265	53	↓□ ↔					↔
CGN01163	32	↓□ ↔					↔
CGN01924	47	↓↑↓↘					↔
CGN02242	49	↓□					↔
CGN00047	2	↓□					↔
CGN01215	36	↓□					↔
CGN001271	37	↓↘					↔

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Veronica Rodrigues et al. (2000) Eira & Caldas

(2001) Gomez & Zentella (2001)

(2001) Gomez & Zentella

(2001) Romagosa et al. .

(2002) Tavakol Afshari & Hucl

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(2000) Eira & Caldas

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Przul et al. (1998) Fretzdorff & Betsche

Tavakol Afshari & Hucl (2002) Sorrells (1998)

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Veronica Rodrigues et al.

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x6	x5	x4	x3	x2	x1	
						x1
					/ **	x2
				/ ns	/ ns	x3
			/ **	/ ns	/ ns	x4
	/ ns	/ ns	/ **	/ **	/ **	x5
/ **	/ ns	/ ns	/ *	/ *	/ *	x6

** * ns

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