

Supplementary Material

Table S1. Genotypes of bread wheat (*Triticum aestivum* L.; 6x) and durum wheat (*T. durum* L.; 4x) used in screening for tolerance to germanium

Genotype	Other identifier
<i>Triticum aestivum</i> L.	
Abyssinia 10	AUS 4041
AUS 1473	
Benvenuto Inca	AUS 1929
Bonza	AUS 59
BT-Schomburgk	AUS 25600
Carnamah	
Chinese Spring	
Condor	AUS 16036
Correll	
Cranbrook	AUS 22660
Diamondbird	
Drysdale	
Espada	
Excalibur	
Fang 60	AUS 24511
Frame	
G61450	AUS 4612
Gladius	
Halberd	
Indian 126	AUS 4743
Kenya Farmer	
Kite	
Krichauff	
Kukri	

Lin Calel	AUS 2881
Livingston	
Mokoan	AUS 22680
Morocco	
RAC875	
Schomburgk	AUS 23325
Sonora 64	AUS 90165
Tatiara	AUS 24317
Westonia	
WI*MMC	
Yitpi	
Young	
<i>T. durum</i> L.	
AUS 10105	
AUS 10110_tol	
AUS 10110_intol	
AUS 10344	
AUS 14010	
Bellaroi	
Langdon	
Yallaroi	

Table S2. Primer sequences used to generate amino acid substitutions in H_vNIP2;1 by site-specific mutagenesis

Bases in bold type indicate altered sequence. Primer sequences were determined using Stratagene's QuikChange Primer Design Program (<http://www.stratagene.com/qcprimerdesign>)

Mutation	Primer name	Primer sequence
Gly ⁸⁸ Ala	G88A	5' -gtcggtcgccc g cgggctcatcg-3'
	G88A_antisense	5' -cgatgagccc g cgggcaccgac-3'
Gly ⁸⁸ Cys	G88C	5' -cagtcggtcgc ct gcgggctcatcg-3'
	G88C_antisense	5' -cgatgagcccgc a ggcgaccgactg-3'
Gly ⁸⁸ Val	G88V	5' -gtcggtcgccc t cgggctcatcg-3'
	G88V_antisense	5' -cgatgagccc a cgggcaccgac-3'
Ser ²⁰⁷ Val	S207V	5' -ctccgtttgcattacc gt catcttcgcaggggcg-3'
	S207V_antisense	5' -cgcccctgcgaagatg ac ggtaatgcaaaccggag-3'
Ala ¹³² Thr	A132T	5' -gttctactggg gc acgcagttcacggg-3'
	A132T_antisense	5' -cccgtgaactgc gt cgcccagtagaac-3'