

SI Table 5. Natural allelic variation in the 1.7-kb sequence harboring the *Nud* candidate gene.

Polymorphism		TATA upstream		5' UTR		intron 1		exon 2 (changed nucleotide position within a codon)												
nt position in CDS								132 (3)	204 (3)	235 (1)	242 (1)	399 (3)	474 (3)	477 (3)	505 (1)	528 (3)	533 (2)	558 (3)		
nt change		(GTAT) _n		(G) _n	(ACTC) _n	(CT) _n	C→T	G→A	T→C	G→A	C→T	C→T	C→G	A→G	A→G	G→A	C→T	A→G	84 bp	
aa change		no		no	no	no	no	no (A)	no (S)	A→T	A→V	no (G)	no (A)	no (A)	T→A	no (S)	T→M	no (P)	dup.	
aa position								44	69	79	81	133	158	159	169	176	178	186		
Acc. Name [†]	row	origin	SSR-1	indel-1	SSR-2	SSR-3	SNP-1	SNP-2	SNP-3	SNP-4	SNP-5	SNP-6	SNP-7	SNP-8	SNP-9	SNP-10	SNP-11	SNP-12	indel-2	
Haruna Nijo	2	Japan	11	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU T212	2	Turkey	11	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
Foma	2	Sweden	12	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
Haisa	2	Germany	12	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU I029	2	Iran	12	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU T334	6	Turkey	12	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU I677	6	Pakistan	12	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
A. Donaria	2	Germany	13	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
Bowman	2	USA	13	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU E269	2D	Ethiopia	13	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU I624	6	Afghanistan	13	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU J301	6	Japan	13	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU J714	6	Japan	13	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
Bonus	2	Sweden	14	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
Triumph	2	UK	14	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
Golden Promise	2	Australia	14	7	5	7	C	G	T	G	C	C	C	A	A	G	C	A	dup	
OU E215	6	Ethiopia	11	7	5	7	T	G	T	G	C	C	C	A	A	G	C	A	dup	
OU E229	2	Ethiopia	11	7	5	7	T	G	T	G	C	C	C	A	A	G	C	A	dup	
OU H663	6	Soviet Union	7	7	5	7	T	G	T	G	C	C	C	A	A	G	C	A	single	
OU H823	6	Tibet	7	7	5	7	T	G	T	G	C	C	C	A	A	G	C	A	single	
OU J080	6	Japan	10	7	5	7	T	G	T	G	C	C	C	A	A	G	C	A	single	
OU H602	2	unknown	10	7	5	7	T	G	T	G	C	C	C	A	A	G	C	A	single	
OU H639	2	Turkey	5	6	5(SNP) [‡]	12	T	G	T	G	C	C	C	A	A	G	C	A	single	
OU I030	6	Iran	7	7	5	7	T	G	T	G	C	C	C	A	A	G	T	A	single	
OU T329	6	Turkey	7	7	5	7	T	G	T	G	C	C	C	A	A	G	T	A	single	
OU H632	2	Iran	7	7	5	7	T	G	T	G	C	C	C	A	A	G	T	A	single	
OU H625	2	Iran	6	6	5	2+(GT)+8	T	A	T	G	C	T	C	A	A	G	C	A	single	
OU H774	2	Afghanistan	8	6	5	2+(GT)+7	T	A	T	G	C	T	C	A	A	G	C	A	single	
OU H637	2	Syria	5	7	5	8	T	G	C	G	C	C	G	A	A	A	C	G	single	
OU H638	2	Jordan	5	7	5	8	T	G	C	G	C	C	G	A	A	A	C	G	single	
OU I444	6	Afghanistan	6	6	4	10	T	G	C	A	C	C	G	A	A	G	C	A	single	
OU H725	2	Turkey	8	6	5	10	T	G	C	G	T	C	G	G	A	G	C	A	single	
OU H737	2	Iraq	5	6	5(SNP) [§]	2+(GT)+7	T	G	C	G	C	C	G	G	G	G	C	A	single	

* Numbers in parentheses show a substituted nucleotide position within a triplet codon, [†]OU H indicates wild barley either subsp. *spontaneum* (two-rowed) or subsp. *agriocrithon* (six-rowed); others are domesticated barley, [‡]4th (ACTC) motif changed to (AGTC), [§]2nd (ACTC) motif changed to (ACCC).