

Table 1 Mutation sites of amino acid and their genetic codes in 3 samples and hull-less barley

Types of barley		Genetic codes									
BZ-12	CUG	ACG	GAA	GUG	AGU	ACC	GCC	GCC	CGC	GGC	GGC
	L ₆₈	T ₇₃	E ₇₄	V ₇₅	S ₁₄₅	T ₁₉₁	A ₂₀₉	A ₂₁₅	R ₂₂₂	G ₂₂₇	G ₂₂₈
BZ-16	CUG	GCG	GGA	GCG	GGU	GCC	GCC	ACC	CAC	GAC	GCC
	L ₆₈	A ₇₃	G ₇₄	A ₇₅	G ₁₄₅	A ₁₉₁	A ₂₀₉	T ₂₁₅	H ₂₂₂	D ₂₂₇	A ₂₂₈
BZ-26	CUG	GCG	GGA	GCG	GGU	GCC	UCC	ACC	CAC	GAC	GCC
	L ₆₈	A ₇₃	G ₇₄	A ₇₅	G ₁₄₅	A ₁₉₁	S ₁₉₅	T ₂₀₁	H ₂₀₈	D ₂₁₃	A ₂₁₄
AF043091	GCU	ACG	GAA	GUG	AGU	ACC	GCC	GCC	CGC	GGC	GGC
	A ₆₈	T ₇₃	E ₇₄	V ₇₅	S ₁₄₅	T ₁₉₁	A ₂₀₉	A ₂₁₅	R ₂₂₂	G ₂₂₇	G ₂₂₈
BZ-12	ACC	UGC	CAC	ACC	ACC	UAC	ACC	UAC	ACC	GAC	
	T ₂₃₄	C ₂₄₀	H ₂₄₁	T ₂₄₃	T ₂₈₃	Y ₂₈₅	T ₃₀₄	Y ₃₀₆	T ₃₁₅	D ₄₆₅	
BZ-16	GCC	GGC	CGC	GCC	ACC	UAC	CAU	UUG	AUC	GAC	
	A ₂₃₄	G ₂₄₀	R ₂₄₁	A ₂₄₃	T ₂₆₄	Y ₂₆₆	H ₂₈₅	L ₂₈₇	I ₂₉₄	D ₄₃₀	
BZ-26	GCC	GGC	CGC	GCC	ACC	UAC	CAU	UUG	AUC	AAC	
	A ₂₂₀	G ₂₂₆	R ₂₂₇	A ₂₂₉	T ₂₄₈	Y ₂₅₀	H ₂₆₉	L ₂₇₁	I ₂₇₈	N ₄₂₈	
AF043091	ACC	GGC	CAC	ACC	GCT	UUG	ACC	UAC	AUC	AAC	
	T ₂₃₄	G ₂₄₀	H ₂₄₁	T ₂₄₃	A ₂₆₄	L ₂₆₆	T ₂₈₃	Y ₂₈₅	I ₂₉₄	N ₄₃₀	

Note: Six-rowed barley (BZ-12); Four-rowed barley (BZ-16); Two-rowed barley (BZ-26); Hull-less barley (AF043091)