

Table 4 List of heterotic crosses over heterobeltiosis (Htb) (%), standard check (%), good specific combinations and good general combiners grain quality traits

Grain quality traits	heterobeltiosis (Htb) (%)	Standard check (%)	Good specific combinations	Good general combiners
Protein content				
HPR 2862 × Pusa Basmati 1509 (21.63)	HPR 2748 (W) × HPR 2216 (33.42)	HPR 2748 (W) × HPR 2216 (1.76)	HPR 2858 (1.00)	
HPR 2748 (W) × HPR 2216 (14.38)	HPR 2858 × Pusa Basmati 1509 (27.83)	HPR 2862 × Pusa Basmati 1509(0.95)	HPR 2720 (0.63)	
HPR 2668 × Pusa Basmati 1509 (13.12)	HPR 2862 × Pusa Basmati 1509 (25.03)	HPR 2754 × HPR 2216 (0.79)	HPR 2862 (0.33)	
HPR 2858 × Pusa Basmati 1509 (9.59)	HPR 2668 × Pusa Basmati 1509 (19.44)	HPR 2668 × Pusa Basmati 1509(0.58)	HPR 2216 (0.24)	
Amylose content				
	HPR 2761 × HPR 2216 (49.46)	HPR 2755 × Kasturi (2.29)	HPR 2761 (6.10)	
	HPR 2761 × Pusa Basmati 1509 (42.35)	HPR 2858 × HPR 2216 (1.23)	HPR 2720 (2.18)	
	HPR 2761 × Kasturi (38.09)	HPR 2748 (P) × HPR 2216 (0.66)	HPR 2748 (P) (1.83)	
	HPR 2748 (P) × HPR 2216 (32.27)	HPR 2862 × Pusa Basmati 1509(0.59)	HPR 2216 (1.32)	
Gelatinization temperature				
HPR 2668 × Kasturi (116.67)	HPR 2748 (P) × Pusa Basmati 1509 (200)	HPR 2761 × Pusa Basmati 1509(1.42)	HPR 2668 (1.00)	
HPR 2858 × Kasturi (50.00)	HPR 2761 × Pusa Basmati 1509 (200)	HPR 2862 × HPR 2216 (1.13)	HPR 2748 (P) (1.00)	
HPR 2862 × HPR 2216 (33.330)	HPR 2668 × Pusa Basmati 1509 (183.33)	HPR 2668 × Kasturi (1.00)	HPR 2858 (0.67)	
	HPR 2858 × Pusa Basmati 1509 (183.33)	HPR 2754 × Kasturi (0.67)	Pusa Basmati 1509 (1.58)	
Gel consistency				
HPR 2755 × Kasturi (30.43)	HPR 2761 × HPR 2216 (63.04)	HPR 2748 (P) × Pusa Basmati 1509 (15.33)	HPR 2754 (15.53)	
HPR 2748 (P) × Pusa Basmati 1509 (22.86)	HPR 2754 × HPR 2216 (61.59)	HPR 2761 × HPR 2216 (13.04)	HPR 2755 (4.53)	
HPR 2755 × Pusa Basmati 1509 (18.75)	HPR 2754 × Kasturi (52.17)	HPR 2755 × Kasturi (5.73)	HPR 2862 (3.98)	
HPR 2668 × Kasturi (15.83)	HPR 2862 × HPR 2216 (47.10)	HPR 2615 × HPR 2216 (5.16)	HPR 2216 (10.62)	