

Table S1. Best Linear Unbiased Estimation (BLUE) and Best Linear Unbiased Prediction (BLUP) based Growth Duration of the tested genotypes.

Gen	E1	E2	E3	E4	E5	E6	E7	E8	E9	pBLUE	pBLUP	rel
G1	149	152	161	157	160	155	151	159	164	156	156	0.96
G2	144	142	160	152	153	153	151	153	154	151	151	0.96
G3	143	146	161	152	158	157	146	154	160	153	153	0.96
G4	149	145	163	153	157	157	154	158	164	156	155	0.96
G5	134	139	149	142	148	148	144	150	151	145	145	0.96
G6	142	144	164	146	153	152	149	153	153	150	150	0.96
G7	139	139	154	145	150	149	145	152	154	147	148	0.96
G8	140	139	154	145	153	148	149	152	153	148	148	0.96
G9	148	145	160	156	152	156	151	159	162	154	154	0.96
G10	139	146	155	145	155	155	149	159	157	151	151	0.96
G11	141	146	158	151	155	155	151	154	160	152	152	0.96
G12	142	146	158	153	159	156	151	153	158	153	153	0.96
G13	151	152	161	157	156	156	156	160	164	157	157	0.96
G14	139	143	156	147	155	154	145	152	152	149	149	0.96
G15	141	142	152	145	151	148	145	153	158	149	149	0.96
G16	136	136	148	143	146	148	145	150	147	144	144	0.96
G17	151	151	160	154	155	155	152	158	161	155	155	0.96
Avg	143	144	157	150	154	153	149	155	157	151	151	
h2b	0.98	0.96	96	97	0.27	0.93	0.96	0.96	0.97	0.75		
SE	0.38	0.48	0.62	0.51	3.15	0.8	0.46	0.38	0.51	1.88		
LSD	0.74	0.94	1.22	1.00	6.17	1.57	0.90	0.74	1.00	3.68		

*** Pooled Best Linear Unbiased Estimation (pBLUE), pooled Best Linear Unbiased Prediction (pBLUP), reliability (rel), Average (Avg), Heritability (h2b), standard error (SE), Least Significance difference (LSD).

Table S2. Best Linear Unbiased Estimation (BLUE) and Best Linear Unbiased Prediction (BLUP) based Plant Height (cm) of tested genotypes.

GEN	E1	E2	E3	E4	E5	E6	E7	E8	E9	pBLUE	pBLUP	rel
G1	101	110	92	92	107	112	98	103	99	102	102	0.94
G2	102	103	93	99	107	109	104	108	102	103	103	0.94
G3	100	102	92	95	109	107	95	106	92	100	100	0.94
G4	106	119	107	100	119	116	104	112	118	111	111	0.94
G5	103	110	98	112	108	103	95	110	110	105	105	0.94
G6	110	108	98	103	106	113	102	119	118	108	108	0.94
G7	94	102	88	96	97	97	95	107	98	97	98	0.94
G8	92	99	92	102	95	98	91	97	96	96	96	0.94
G9	108	102	105	92	109	113	101	108	103	105	105	0.94
G10	97	104	90	96	102	105	92	97	100	98	99	0.94
G11	111	115	98	104	107	111	103	99	109	106	106	0.94
G12	113	119	105	103	116	116	95	124	114	112	111	0.94
G13	115	112	103	102	105	118	107	112	101	108	108	0.94
G14	119	112	107	104	114	113	105	111	117	111	111	0.94
G15	110	107	107	104	115	119	106	123	122	112	112	0.94
G16	92	106	95	92	97	96	97	99	96	97	98	0.94
G17	117	119	107	93	117	118	107	113	116	112	111	0.94
Avg	105	109	99	99	108	110	100	109	107	105	105	
h2b	0.99	0.95	0.99	0.96	0.91	0.93	0.81	0.94	0.98	0.62		
SE	0.55	0.91	0.38	0.66	2.00	1.55	1.56	1.28	0.79	2.13		
LSD	1.08	1.78	0.74	1.29	3.92	3.04	3.06	2.51	1.55	4.17		

*** Pooled Best Linear Unbiased Estimation (pBLUE), pooled Best Linear Unbiased Prediction (pBLUP), reliability (rel), Average (Avg), Heritability (h2b), standard error (SE), Least Significance difference (LSD).