

Table 4 Genotypic effects of mutation tolerance, morpho-agronomic and yield related characters of maize

Genotypes	Days of Emergence	% Germination	Seed Plant Height (cm)	Stem Height (cm)	Leaf Area (cm ²)	Number of Leaves	Days to first Tassling	Ear Aspect	Husk cover	Mutation Tolerance	Number of Cobs	Plant Stand	Tasseling Length (cm)	Shoot Biomass (g)	Root Biomass (g)
TZE-WDTST R C4	3.00 ^c	78.89 ^a	122.52 ^b	99.91 ^a	182.18 ^a	17.23 ^a	49.20 ^{de}	3.47 ^a	3.13 ^a	3.20 ^{ab}	1.07 ^a	4.50 ^{ab}	20.87 ^{bc}	48.53 ^{ab}	18.29 ^a
TZM 154	3.00 ^c	76.51 ^a	128.21 ^a	76.58 ^b	155.49 ^b	8.30 ^{ab}	56.40 ^b	1.67 ^{bc}	1.60 ^{cd}	3.45 ^a	0.40 ^b	4.20 ^{bc}	30.24 ^a	45.76 ^{ab}	17.55 ^{ab}
SAMMAZ 15	3.27 ^{bc}	76.53 ^a	107.17 ^e	54.61 ^c	120.67 ^c	8.21 ^{ab}	61.54 ^a	1.69 ^{bc}	1.77 ^{cd}	2.80 ^{bc}	0.38 ^b	4.80 ^a	16.51 ^{bcd}	48.02 ^{ab}	14.41 ^b
DTE-YSR BC ₃	3.47 ^{ab}	65.35 ^{bc}	113.80 ^c	69.25 ^{bc}	125.74 ^c	8.31 ^{ab}	51.60 ^{cd}	2.67 ^{ab}	2.70 ^{ab}	2.93 ^{bc}	0.87 ^{ab}	4.20 ^{bc}	14.03 ^{cd}	39.75 ^{ab}	12.8 ^{bc}
EV99 QPM	3.53 ^{ab}	83.25 ^a	111.99 ^{cd}	58.80 ^{bc}	153.20 ^c	8.33 ^{ab}	59.73 ^a	1.40 ^c	1.33 ^d	2.73 ^c	0.27 ^b	4.50 ^{ab}	22.65 ^b	51.32 ^a	15.38 ^{ab}
DT-SR-COF ₂	3.67 ^a	77.60 ^a	118.19 ^b	68.60 ^b	127.72 ^c	8.33 ^{ab}	54.28 ^{bc}	2.07 ^{bc}	2.40 ^{abc}	2.93 ^{bc}	1.07 ^a	4.07 ^{bc}	22.07 ^b	42.87 ^{ab}	11.7 ^c
TZM 146	3.13 ^c	74.33 ^{ab}	120.09 ^b	72.10 ^{bc}	125.22 ^c	7.99 ^b	47.71 ^c	1.50 ^{bc}	1.79 ^{cd}	3.47 ^a	1.20 ^a	3.93 ^c	16.65 ^{bcd}	23.91 ^b	8.03 ^d
TZM 1441	3.07 ^c	62.12 ^c	108.18 ^{de}	64.71 ^b	127.99 ^c	7.96 ^b	51.33 ^d	1.80 ^{bc}	2.07 ^{bcd}	2.73 ^c	1.07 ^a	4.40 ^{abc}	12.29 ^d	31.57 ^b	11.21 ^c

Note: Means with the same letter in the same column are not significantly different at P>0.05 using Duncan's Multiple Range Test (DMRT); Mutation tolerance rating scale: 1=Excellent and 5=Poor