

Table 6 Correlation of morpho-agronomic, yield related characters and mutation tolerance of maize genotypes

Correlation	PH	SH	LA	NL	DT	TL	PS	EA	HC	NC	MT	SB	RB	MG
Stem height	0.52*													
Leaf area	0.65**	0.57*												
Number of leaves	0.07	0.05	0.07											
Days of tasseling	0.43	0.30	0.27	0.02										
Tasseling length	0.43	0.28	0.26	0.02	0.88**									
Plant stand	0.43	0.30	0.27	0.02	0.98**	0.86**								
ear aspect	0.35	0.25	0.22	0.02	0.77**	0.67**	0.79**							
husk cover	0.38	0.27	0.2	0.02	0.83**	0.73**	0.84**	0.86**						
number of cobs	0.34	0.25	0.19	0.01	0.74**	0.62**	0.76**	0.76**	0.81**					
Mutation Tolerance	0.43	0.30	0.27	0.20	0.97**	0.86**	0.96**	0.79**	0.85**	0.77**				
shoot biomass	0.22	0.14	0.37	0.02	0.24	0.32	0.23	0.00	-0.01	0.25	0.01			
root biomass	0.11	0.07	0.13	0.05	0.10	0.17	0.24	0.12	0.10	-0.11	0.08	0.40		
maize grain	-0.25	-0.31	0.42	-0.12	0.04	0.04	0.09	0.25	0.29	-0.07	0.02	0.25	0.04	
Genotype	-0.65**	-0.07	-0.10	-0.05	-0.01	-0.04	-0.01	-0.05	-0.02	0.05	-0.01	-0.34	-0.31	-0.29

Note: * P<0.05 significant, ** P<0.01 highly significant, *** P<0.001 highly significant, PH=Plant height, SH=Stem height, LA=Leaf Area, NL=Number of leaves, DT=days to first tasseling, TL=Tasselling length, PS=Plant stand, EA=Ear aspect, HC=Husk cover, NC=Number of cobs, MT=Mutation tolerance, SB=Shoot biomass, RB=Root biomass, MG=Maize grain weight