

Table S 2 Pearson's correlation coefficient (r) of studied bermudagrasses that included 11 reference cultivars and 137 genotypes. Plant variables include stolon length (StL), first internode length (INL1), second internode length (INL2), first leaf width (LW1), first leaf length (LL1), second leaf width (LW2), second leaf length (LL2), aboveground dry weight (SDW), belowground dry weight (RDW), rhizome dry weight (RhiDW), total dry weight (DW), belowground to aboveground dry weight (BAR), root to shoot ratio (RSR), rhizome dry weight to belowground dry weight ratio (RhiBR) and rhizome dry weight tot total dry weight ratio (RhiDWR). Symbols indicate *, significant at $P < 0.05$, **, significant at $P < 0.01$, ***, significant at $P < 0.001$, and ns, not significant.

Variables	StL	IntNL1	IntNL2	LW1	LL1	LW2	LL2
IntNL1	0.62***	-					
IntNL2	0.59***	0.82***	-				
LW1	-0.23**	0.03ns	-0.04ns	-			
LL1	0.04ns	0.55***	0.4***	0.54***	-		
LW2	-0.06ns	0.22**	0.12ns	0.79***	0.61***	-	
LL2	-0.01ns	0.48***	0.35***	0.47***	0.9***	0.57***	-
ADW	0.53***	0.25**	0.27**	-0.08ns	-0.01ns	-0.03ns	-0.1ns
BDW	-0.01ns	-0.23**	-0.15ns	0.1ns	-0.18*	0.01ns	-0.14ns
RhiDW	-0.12ns	-0.27**	-0.21*	0.23**	-0.15ns	0.16ns	-0.1ns
DW	0.25**	-0.07ns	0.02ns	0.08ns	-0.17*	0.04ns	-0.18*
BAR	-0.21*	-0.35***	-0.27**	0.15ns	-0.18*	0.04ns	-0.1ns
RSR	-0.13ns	-0.23**	-0.17*	0.05ns	-0.13ns	-0.04ns	-0.07ns
RhiBR	-0.01ns	-0.14ns	-0.12ns	0.13ns	-0.13ns	0.11ns	-0.1ns
RhiDWR	-0.14ns	-0.25**	-0.22*	0.2*	-0.14ns	0.14ns	-0.09ns
	ADW	BDW	RhiDW	DW	BAR	RSR	RhiBR
BDW	0.07ns						
RhiDW	-0.29***	0.3***	-				
DW	0.61***	0.79***	0.3***	-			
BAR	-0.32***	0.91***	0.56***	0.52***	-		
RSR	-0.13ns	0.89***	-0.02ns	0.5***	0.88***	-	
RhiBR	-0.26**	-0.06ns	0.86***	0.03ns	0.08ns	-0.36***	-
RhiDWR	-0.39***	0.14ns	0.97***	0.12ns	0.33***	-0.15ns	0.93***