

15 **S3 Table. Analysis of molecular variance (AMOVA) and  $F_{ST}$  for two**  
 16 **subpopulations of soybean accessions inferred from STRUCTURE.**

Source of variation	Degree of freedom	Sum of squares	Variance components	Percentage of variance components
Among populations	1	14091.91	93.60	17.64
Within populations	274	126727.47	436.99	82.36
Total	275	140819.38	530.59	

17 Population pair-wise  $F_{ST}$ : 0.18 (P<0.001).

18