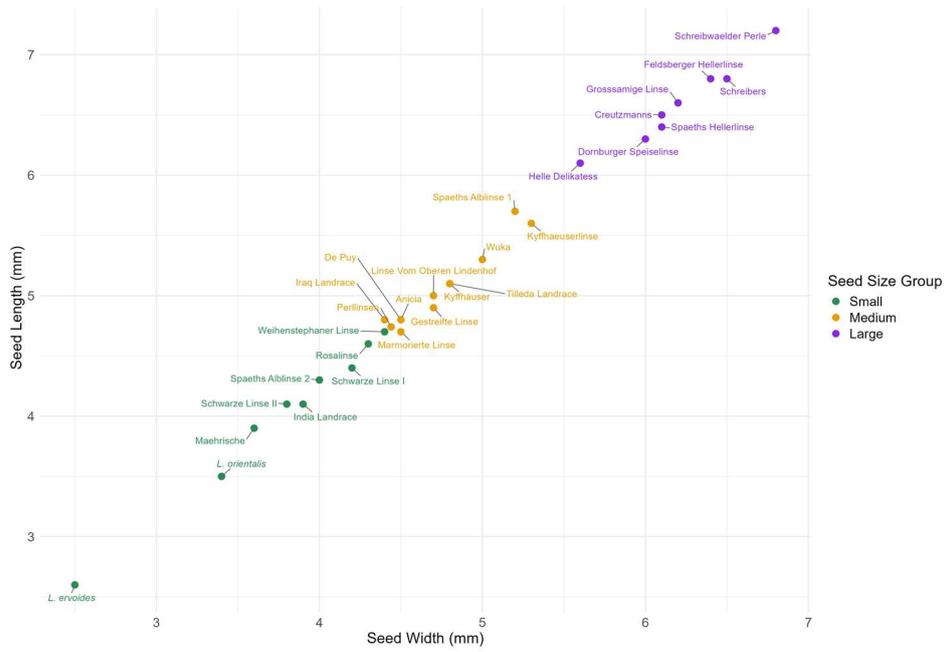


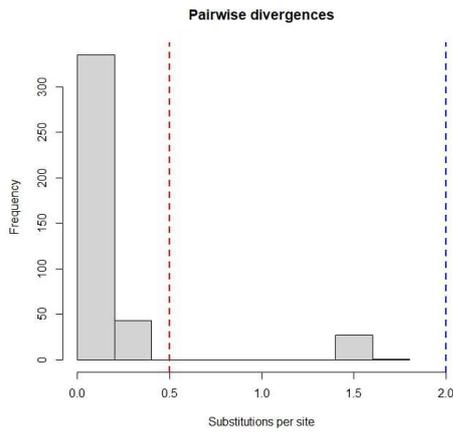
Fig. S1 Images of 28 accessions from IPK GeneBank

13
14
15
16
17



18 **Fig. S2** Clustering of accessions based on their seed size using K-means Clustering analysis

19



20

21 **Fig. S3** Divergence plot obtained for 29 accessions including the wild ones using 5,000 ultrafast bootstrap replicates. Red
 22 dashed line is showing average within-group divergence 0 to 0.5 (threshold $\leq 50\%$), blue dashed one is showing "0.5 < average
 23 within-group divergence ≤ 2 " (threshold $\leq 200\%$).

24