

# Unveiling genetic diversity in jute mallow (*Corchorus spp.*): morphological clustering reveals distinctive traits among accessions from Africa and Asia

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## Supplemental File 6: Eigen values and variation observed for 19 quantitative traits in 283 jute accessions

| Trait*            | PC1          | PC2          | PC3          | PC4          | PC5          | PC6          | PC7          | PC8          |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| BMS               | 0.01         | -0.06        | -0.41        | 0.47         | -0.35        | 0.02         | 0.07         | -0.21        |
| D50F              | 0.25         | 0.13         | -0.16        | -0.29        | 0.09         | 0.28         | -0.41        | -0.01        |
| D90M              | 0.31         | 0.09         | -0.02        | -0.30        | -0.14        | -0.04        | -0.28        | -0.15        |
| TPY               | 0.23         | 0.30         | 0.00         | 0.15         | 0.19         | 0.20         | 0.40         | -0.29        |
| YFB               | 0.33         | 0.13         | -0.06        | 0.00         | -0.04        | 0.32         | 0.44         | -0.13        |
| HI                | 0.25         | -0.11        | -0.02        | -0.26        | -0.35        | 0.44         | 0.11         | 0.21         |
| TSW               | -0.17        | 0.25         | 0.24         | 0.11         | 0.04         | 0.36         | -0.31        | -0.47        |
| NPP               | -0.24        | 0.31         | 0.21         | 0.07         | 0.02         | 0.16         | 0.18         | 0.34         |
| NPN               | -0.19        | 0.36         | 0.24         | 0.09         | -0.01        | 0.06         | 0.15         | 0.20         |
| PLG               | 0.12         | -0.39        | -0.02        | 0.21         | 0.34         | 0.17         | 0.03         | 0.16         |
| PHG               | 0.22         | 0.23         | -0.04        | 0.38         | 0.30         | -0.18        | -0.25        | -0.03        |
| SDM               | 0.30         | 0.26         | -0.08        | 0.10         | 0.19         | -0.16        | -0.12        | 0.07         |
| NPB               | 0.09         | 0.26         | -0.43        | 0.02         | 0.22         | 0.15         | -0.04        | 0.42         |
| LCC               | 0.14         | 0.21         | -0.20        | -0.31        | -0.04        | -0.52        | 0.31         | -0.10        |
| NPV               | 0.18         | -0.12        | 0.36         | -0.17        | 0.26         | -0.07        | 0.18         | -0.28        |
| LAS               | 0.32         | -0.02        | 0.34         | 0.17         | -0.20        | -0.08        | -0.08        | 0.15         |
| LLG               | 0.29         | 0.05         | 0.39         | 0.03         | -0.05        | -0.11        | -0.05        | 0.30         |
| LWD               | 0.28         | -0.02        | 0.10         | 0.36         | -0.41        | -0.09        | -0.05        | 0.00         |
| NSP               | 0.16         | -0.41        | 0.01         | 0.10         | 0.34         | 0.06         | 0.10         | 0.01         |
| Eigenvalue        | 6.20         | 3.57         | 1.88         | 1.62         | 1.23         | 0.77         | 0.70         | 0.59         |
| Percentage        | 32.63        | 18.81        | 9.91         | 8.53         | 6.49         | 4.05         | 3.70         | 3.09         |
| <b>Cumulative</b> | <b>32.63</b> | <b>51.44</b> | <b>61.35</b> | <b>69.88</b> | <b>76.37</b> | <b>80.42</b> | <b>84.12</b> | <b>87.21</b> |