Supplementary Information

Intelligent Image Classification for Grading Egyptian Cotton Lint

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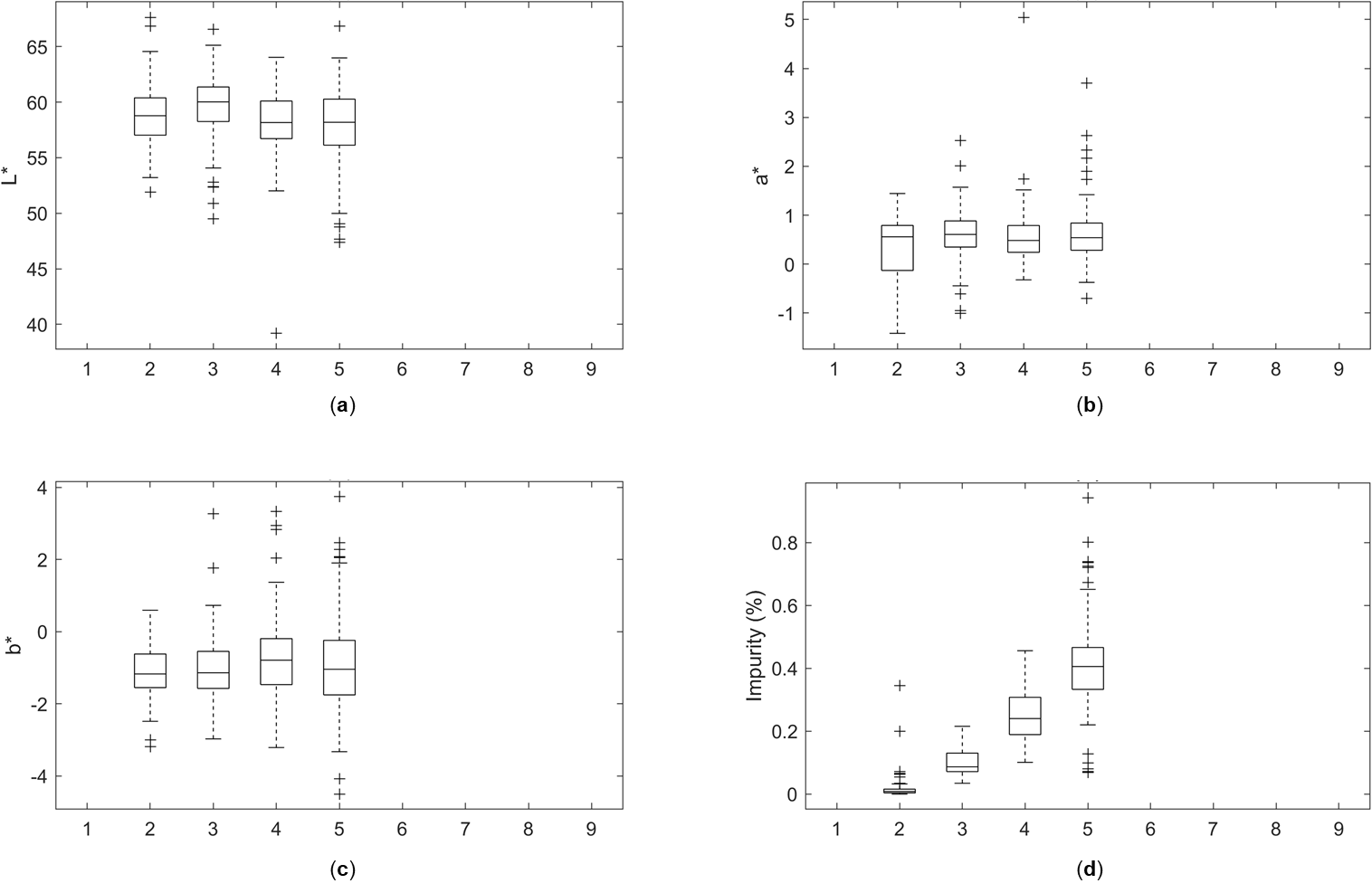


Figure S1 Distribution of the cultivar Giza 87 extracted features (a) L\*, (b) a\*, (c) b\* and (d) impurity data across the Egyptian cotton lint grades

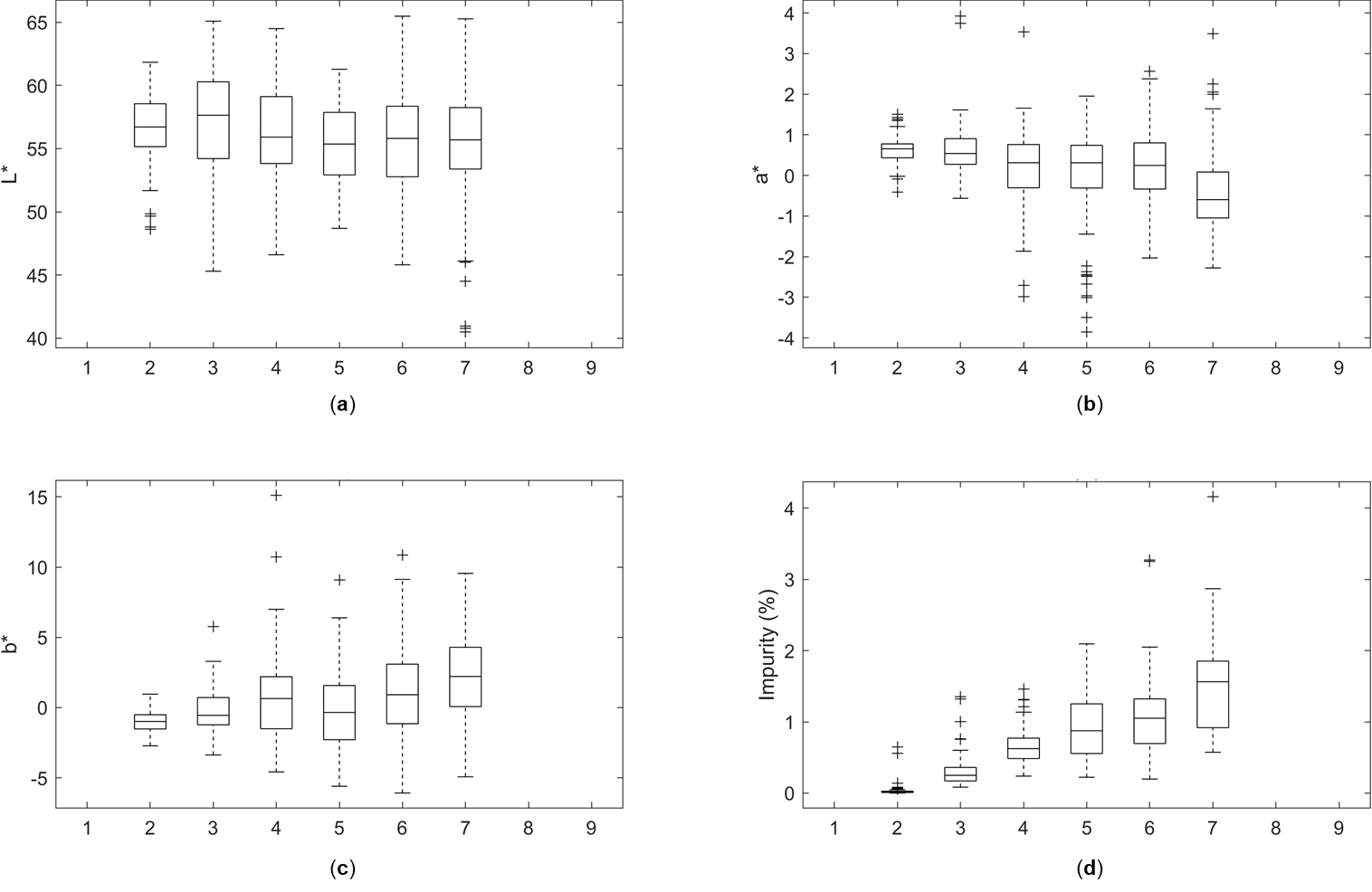


Figure S2 Distribution of the cultivar Giza 90 extracted features (a) L\*, (b) a\*, (c) b\* and (d) impurity data across the Egyptian cotton lint grades

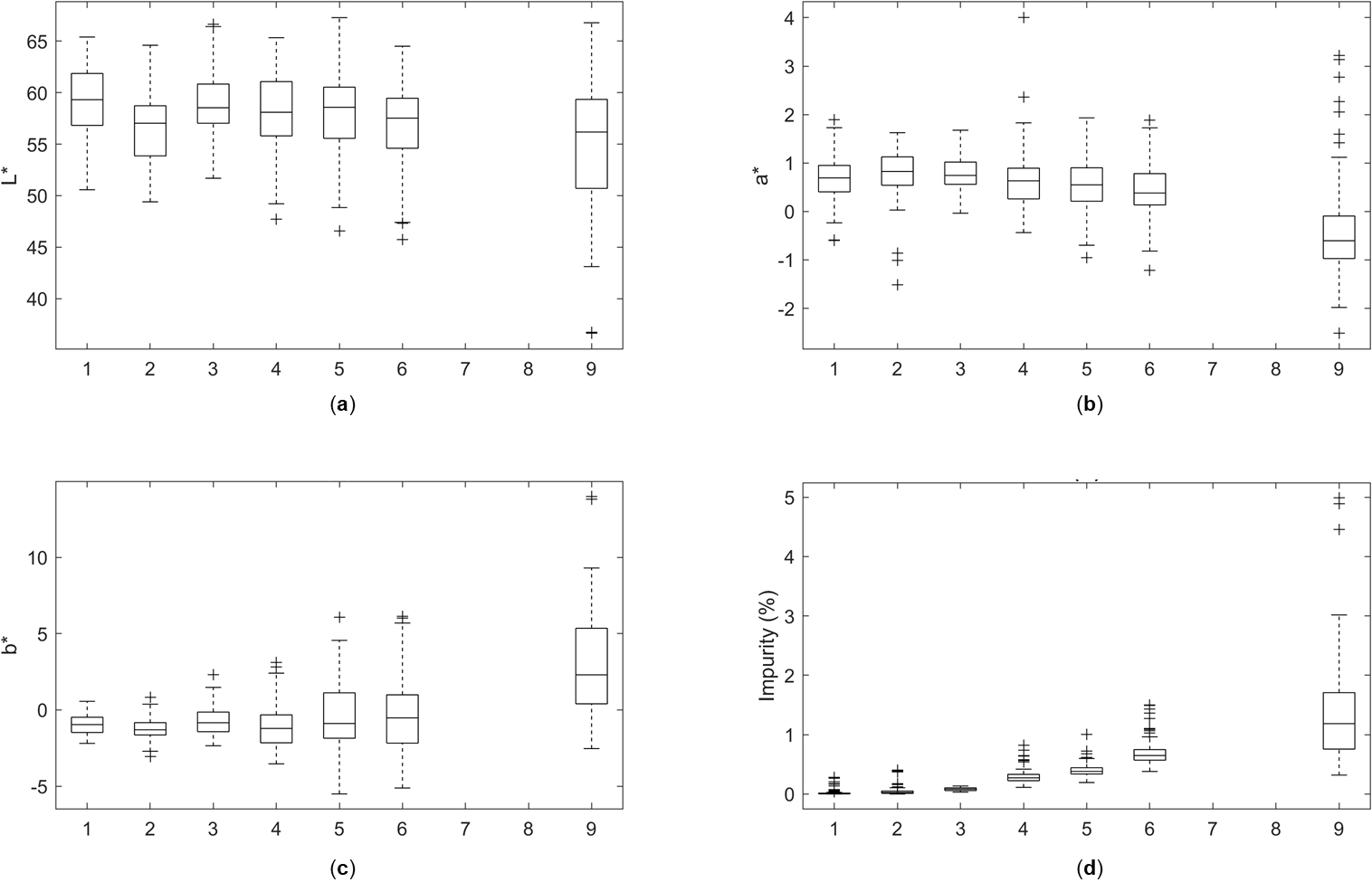


Figure S3 Distribution of the cultivar Giza 94 extracted features (a) L\*, (b) a\*, (c) b\* and (d) impurity data across the Egyptian cotton lint grades

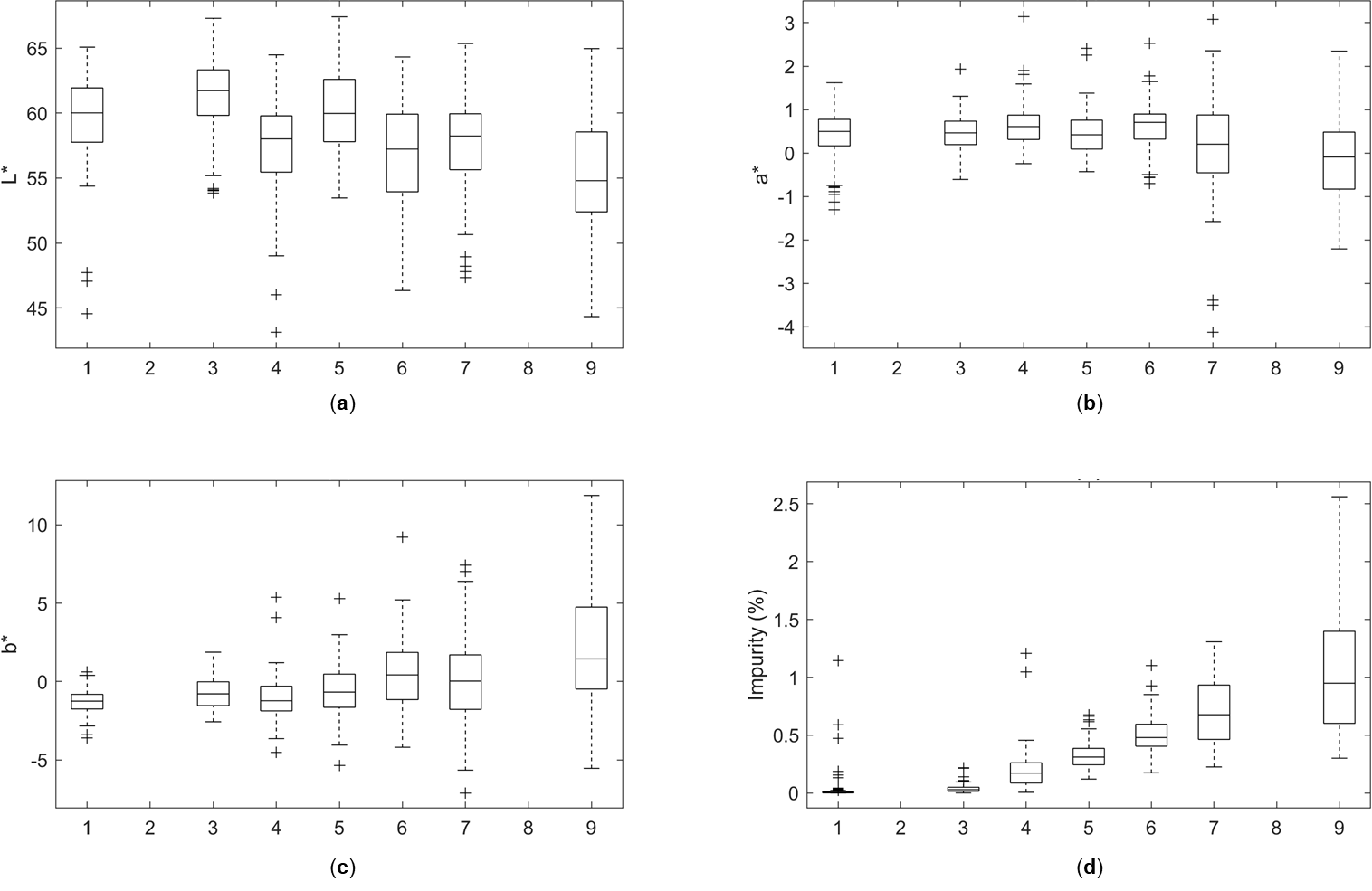


Figure S4 Distribution of the cultivar Giza 96 extracted features (a) L\*, (b) a\*, (c) b\* and (d) impurity data across the Egyptian cotton lint grades

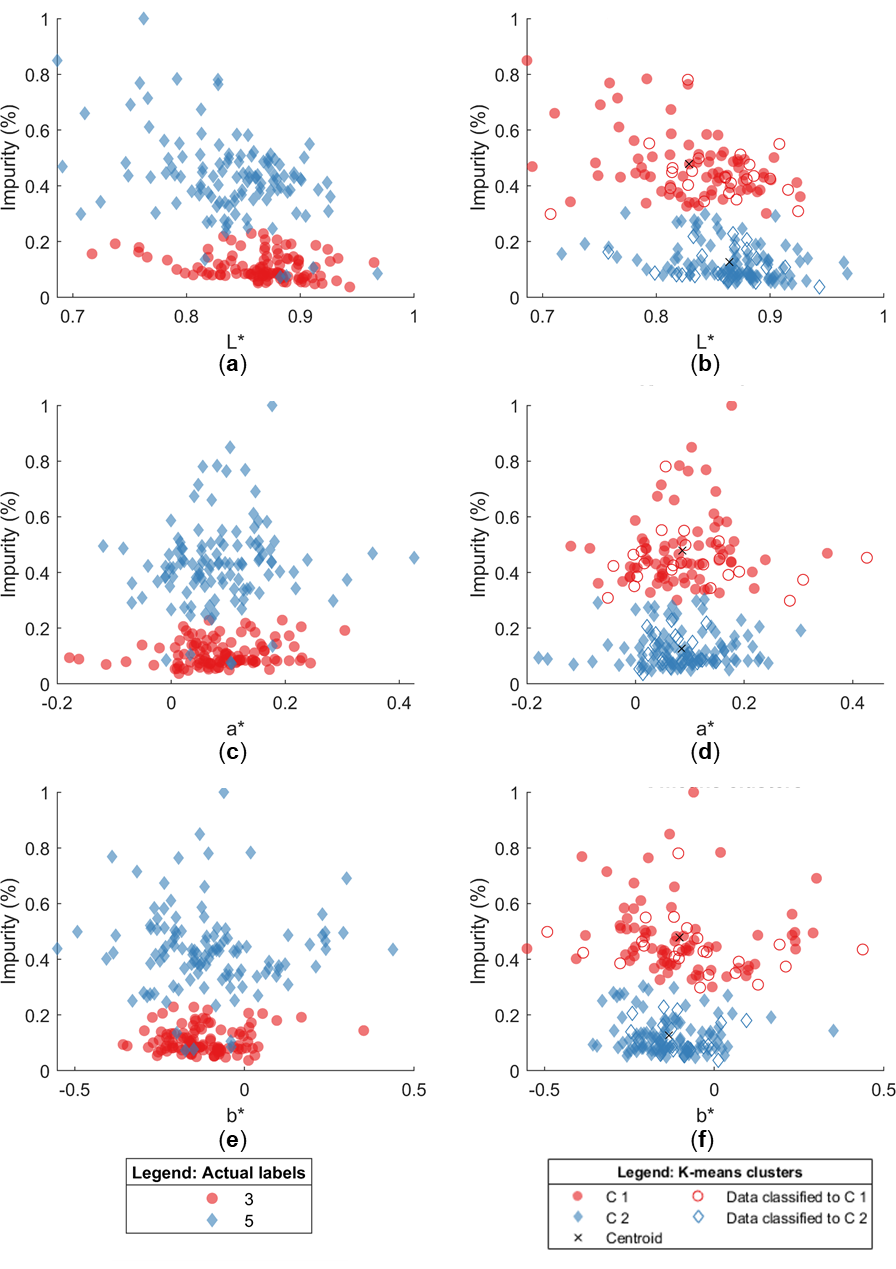


Figure S5 The feature impurity plotted against L\* (a.b), a\* (c,d) and b\* (e,f) features and labelled using the actual cotton lint labels (a, c and e) and the K-means clusters (b, d and f) for cultivar Giza 87.

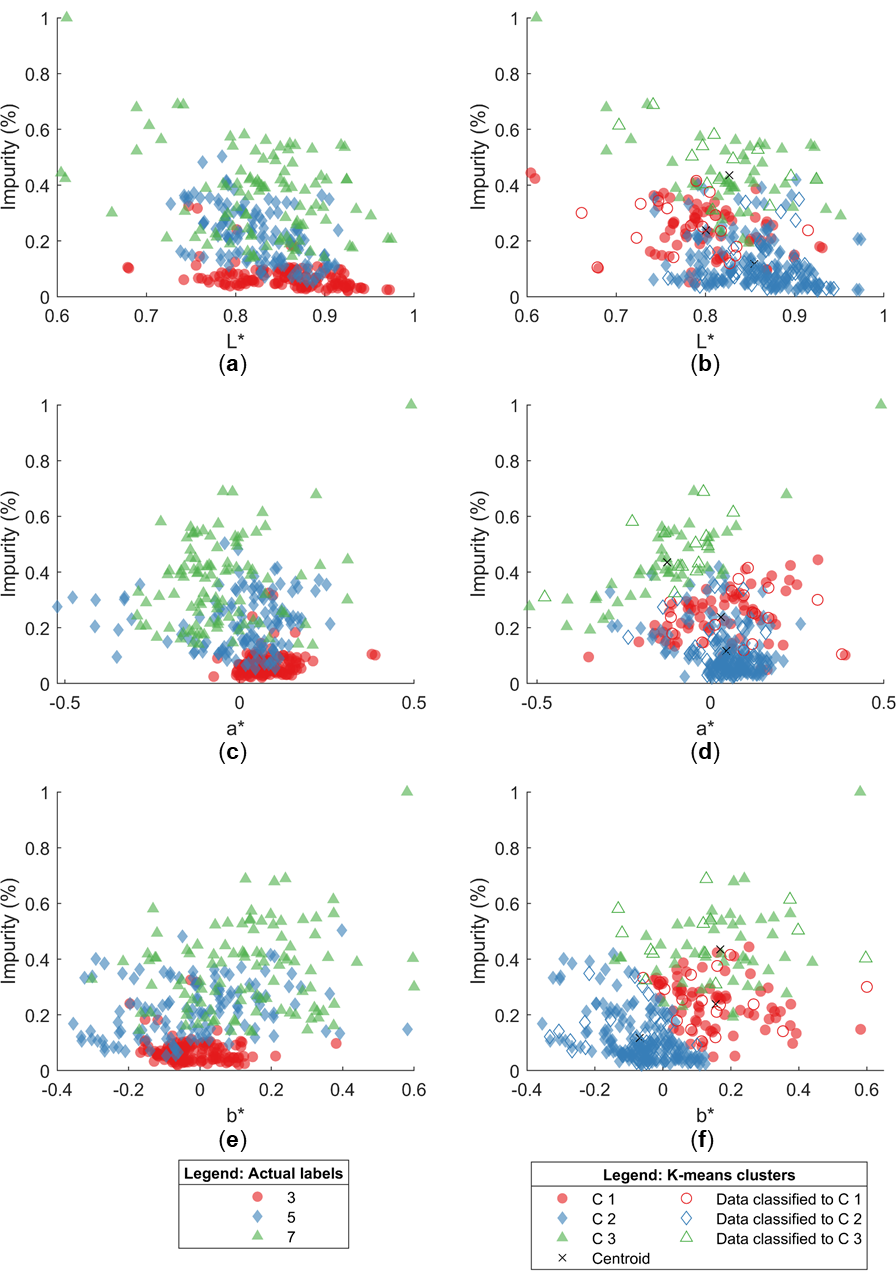


Figure S6 The feature impurity plotted against L\* (a.b), a\* (c,d) and b\* (e,f) features and labelled using the actual cotton lint labels (a, c and e) and the K-means clusters (b, d and f) for cultivar Giza 90.

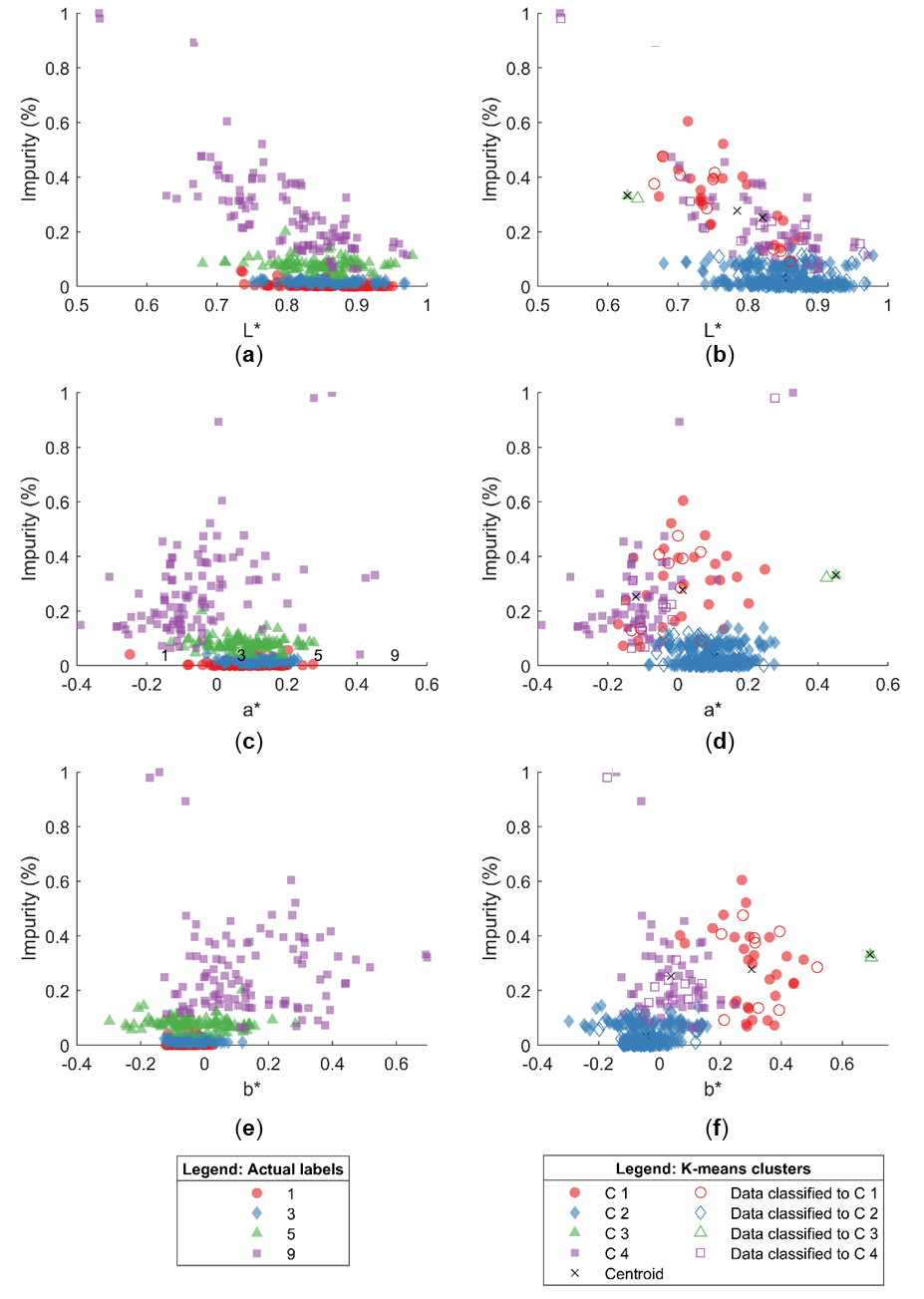


Figure S7 The feature impurity plotted against L\* (a.b), a\* (c,d) and b\* (e,f) features and labelled using the actual cotton lint labels (a, c and e) and the K-means clusters (b, d and f) for cultivar Giza 94.

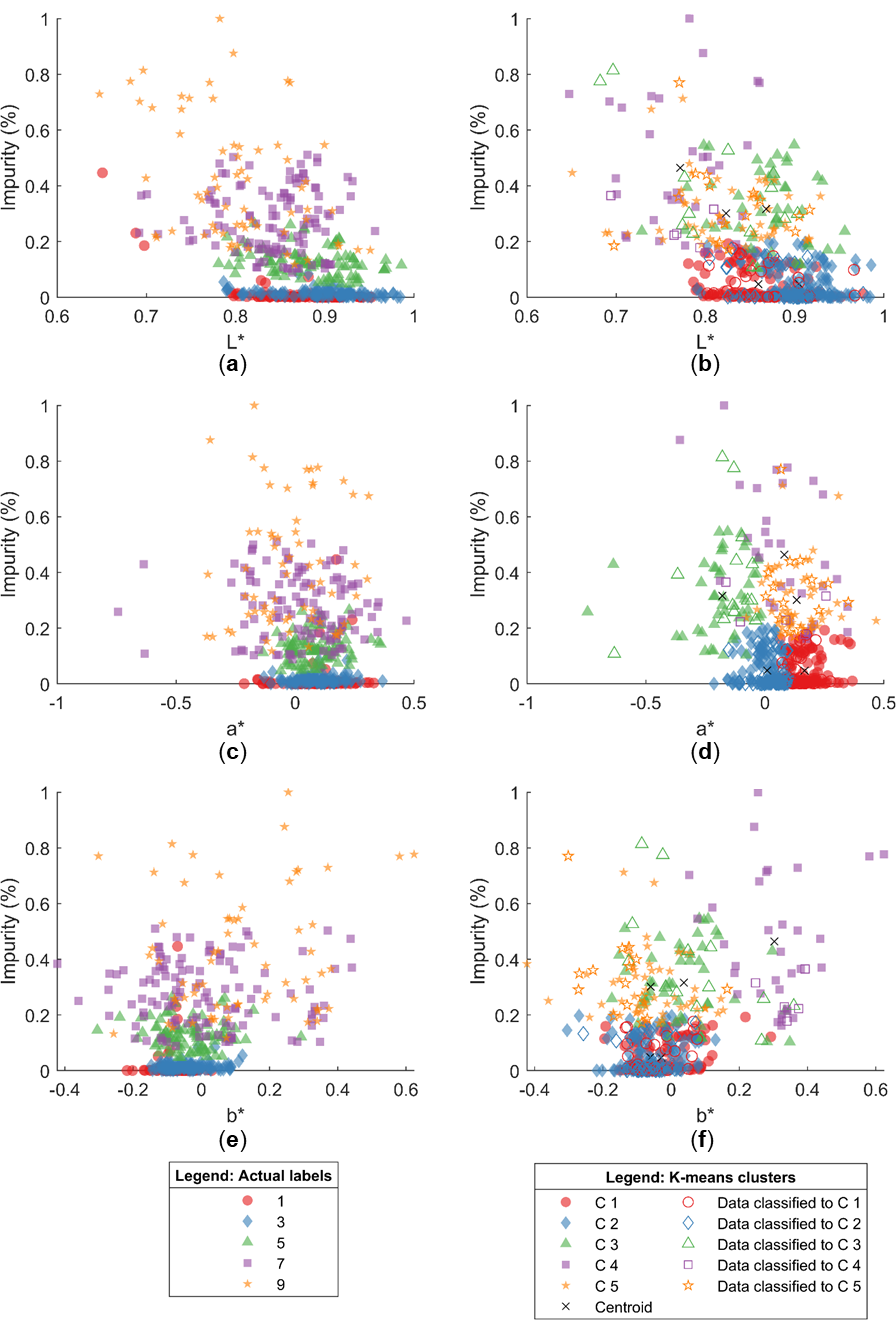


Figure S8 The feature impurity plotted against L\* (a.b), a\* (c,d) and b\* (e,f) features and labelled using the actual cotton lint labels (a, c and e) and the K-means clusters (b, d and f) for cultivar Giza 96.