

**Table S1:** Correlation between Cophenetic distance and distance matrix for different HCA clustering methods using the NIR spectrum (with first derivative and Savitzky-Golay filter) of all honey samples (D<sub>70x4190</sub>).

Linkage method	Cophenetic distance
Single	0.8721
Complete	0.8853
Average	0.8279
Ward	0.9053
Centroid	0.8778