## Supplementary 1

Factor	Equation	Description
Contrast	$\sum_{i=1}^{M-1} P_{ii} (i-i)^2$	Overall amount of local grey
	$\sum_{ij=0}^{ij} (ij) (ij)$	level variation within a
		window (Yuan et al., 1991).
Correlation	$\sum_{D_{ij}}^{M-1} \left[ (i-\mu_i)(i-u_j) \right]$	Measurement of linear
	$\sum_{ij=0}^{Flj} \left[ \frac{(\sigma_i^2)(\sigma_j^2)}{(\sigma_j^2)} \right]$	dependency of grey levels
		within an image (Kayitakire et
		al. 2006).
Entropy	$\sum_{i=1}^{M-1} P_{ii}(-lnP_{ii})$	Measure of uncertainty within
	$\sum_{ij=0}^{ij}$	an image (Yuan <i>et al.</i> , 1991).
Dissimilarity	$\sum_{i=1}^{M-1} P_{ii}  i-i $	Measure of the local variation
	$\sum_{ij=0}^{ij+i}$	(Rubner
		et al. 2001).
Homogeneity	$\sum^{M-1}$ <u>Pij</u>	Measures the smoothness of
	$\sum_{ij=0} 1 + (i-j)^2$	the image texture (grey level
		distributions) (Tuttle
		et al. 2006).
Mean	$\mu_i = \sum_{ij=0}^{M-1} i(Pij)$	Average grey levels present in
	$\mu_j = \sum_{ij=0}^{M-1} j(Pij)$	the small neighbourhood
		(Materka and Stralecki 1998).
Second moment	$\sum^{M-1} P_{\cdots 2}$	Provides indication of local
	$\sum ij=0$	homogeneity (Yuan et al.,
		1991).
Variance	$\sigma_i^2 = \sum_{ij=0}^{M-1} P_{ij} (i - \mu_i)^2$	Variability of pixels spectral
	$\sigma_i^2 = \sum_{i=0}^{M-1} P_{ii} (i - u_i)^2$	response (Materka and
	-j  -j  -j  -j  -j  -j  -j  -j	Stralecki 1998).

## Table S1: Definitions and Equations for GLCM texture measures<sup>1</sup>

"Where P(i,j) is the normalised co-occurrence matrix where the sum of (i,j=0,M-1)(P(i,j)) = 1"

<sup>&</sup>lt;sup>1</sup> Adapted from Hlatshwayo et al. (2019)