Supplementary Materials

Table S1. List of vegetation indices computed from Sentinel 2 data.

Acronymous	Formula	Full name
NDVI	B8 - B4 / B8 + B4	Normalized Difference Vegetation Index
GNDVI	B8 - B3 / B8 + B3	Green Normalized Difference Vegetation Index
MCARI	(B5 - B4) - 0.2 * (B5 - B3) * (B5 - B4)	Modified Chlorophyll Absorption in Reflectance Index
S2REP	705 + 35 * (B4 + B7) / 2 -B5/(B6 - B5)	Sentinel-2 Red-edge position
IRECI	B7 - B4 / (B5 / B6)	Inverted Red-edge
SAVI	B8 - B4 / (B8 + B4 + 0.5) *(1.0 + 0.5)	Soil-Adjusted Vegetation Index with red and red-edge
NDMI	B8a - B11 / B8a + B11	Normalized differences moisture index
EVI	2.5*(B8 - B4) / (B8 + (6 * B4) - (7.5 * B2) + 1)	Enhanced Vegetation Index
EVI2	2.5*(B8 - B4) / (B8 + (6 * B4) - (2.4 * B2) + 1)	Enhanced Vegetation Index-2
NDRE1	B6 - B5 / B6 + B5	Normalized Difference Red-edge
NDRE2	B8 - B5 / B8 + B5	Normalized Difference Red-edge
CIredge1	B7 / B5 -1	Chlorophyll Index Red-edge
CIgreen	B7 / B3 - 1	Chlorophyll Index Green
CIgreen2	B8 / B3 - 1	Red and Red-edge modified Chlorophyll Index
ARVI	B8 - (2 * B4) + B2 / (B8 + (2 * B4) + B2)	Atmospherically Resistant Vegetation Index
SIPI	B8 - B2 / B8 - B4	Structure Intensive Pigment Index
MSAVI	2*B8 + 1 - sqrt(2*B8 + 1) ^{2} - 8*(B8 - B5) / 2	Modified Soil-Adjusted Vegetation Index
OSAVI	1.16* B8 - B4 / B8 + B4 + 0.16	Optimized Soil-Adjusted Vegetation Index
NDWI1	B8 - B11 / B8 + B11	Green Normalized Difference Vegetation Index
NDWI2	B3 - B8 / B3 + B8	Normalized Difference Vegetation Index
ARI	(1 / B3) - (1 / B5) * B7	Anthocyanin Reflectance Index