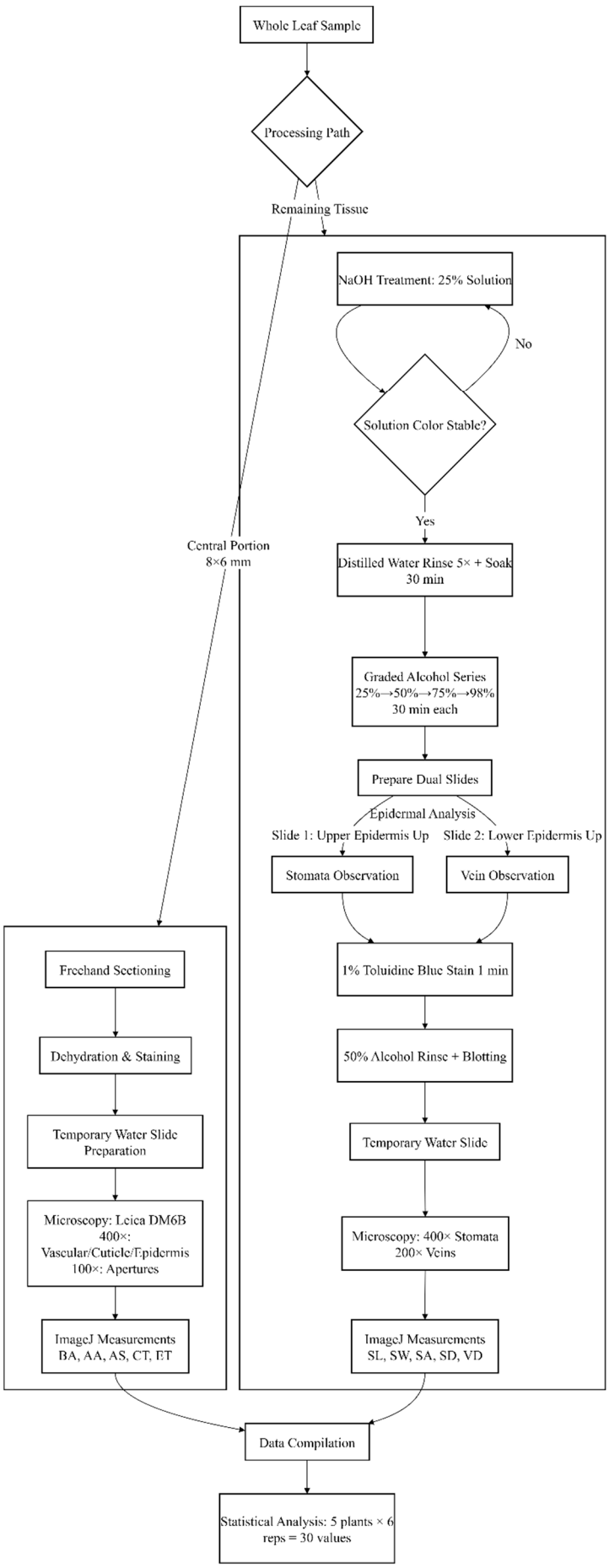

Whole Leaf Sample
Processing Path
Remaining Tissue
Central Portion
8×6 mm
NaOH Treatment: 25% Solution
No
Solution Color Stable?
Yes
Distilled Water Rinse 5× + Soak
30 min
Graded Alcohol Series
25%→50%→75%→98%
30 min each
Prepare Dual Slides
Epidermal Analysis
Slide 1: Upper Epidermis Up
Slide 2: Lower Epidermis Up
Stomata Observation
Vein Observation
1% Toluidine Blue Stain 1 min
50% Alcohol Rinse + Blotting
Temporary Water Slide
Microscopy: 400× Stomata
200× Veins
ImageJ Measurements
SL, SW, SA, SD, VD
Freehand Sectioning
Dehydration & Staining
Temporary Water Slide
Preparation
Microscopy: Leica DM6B
400×:
Vascular/Cuticle/Epidermis
100×: Apertures
ImageJ Measurements
BA, AA, AS, CT, ET
Data Compilation
Statistical Analysis: 5 plants × 6
reps = 30 values

Figure S1. Workflow diagram of anatomical and morphological characteristics.