

## Supplementary Material

### Size and shape of carbonate grains: A comparison of measurement techniques

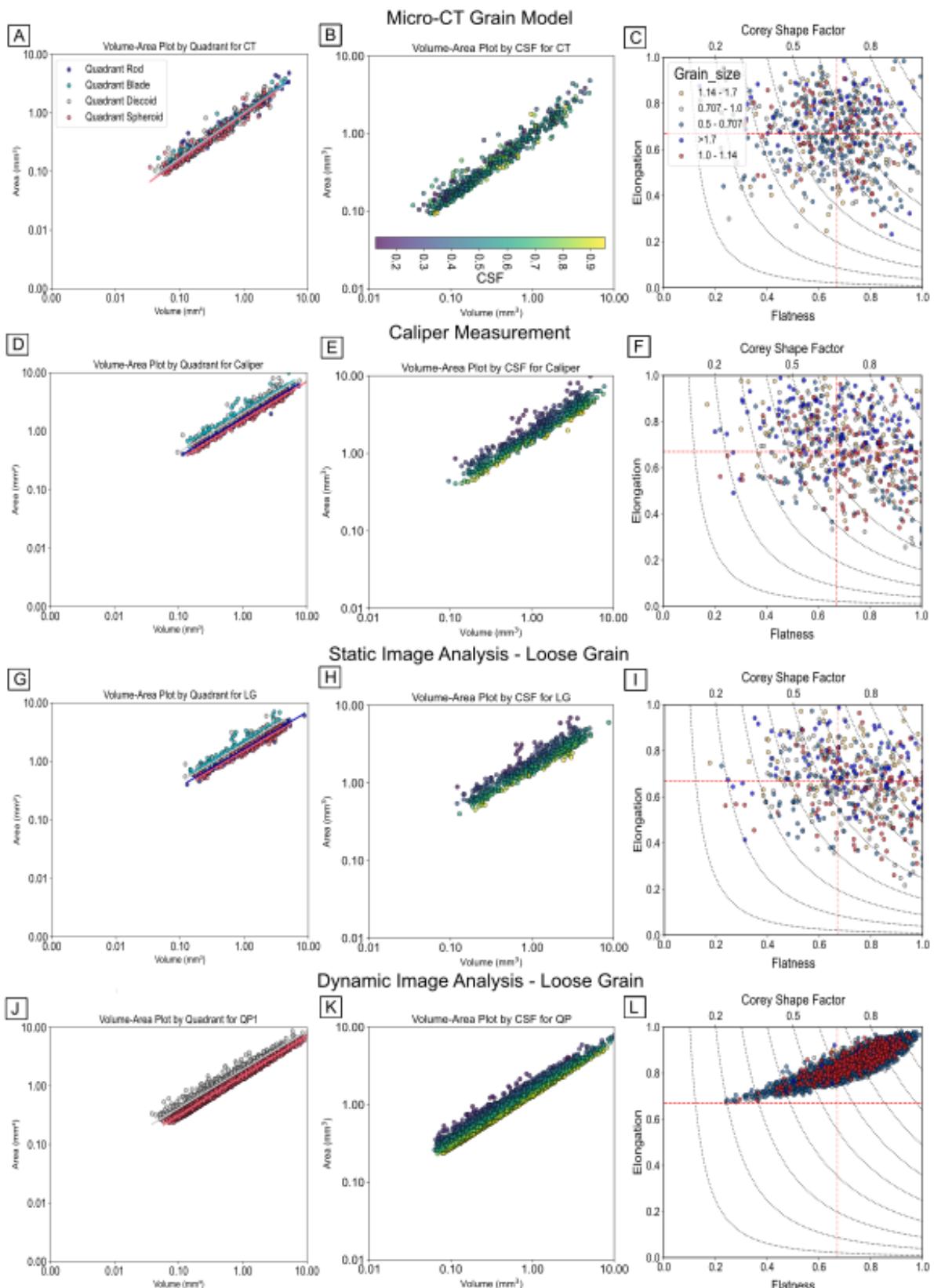
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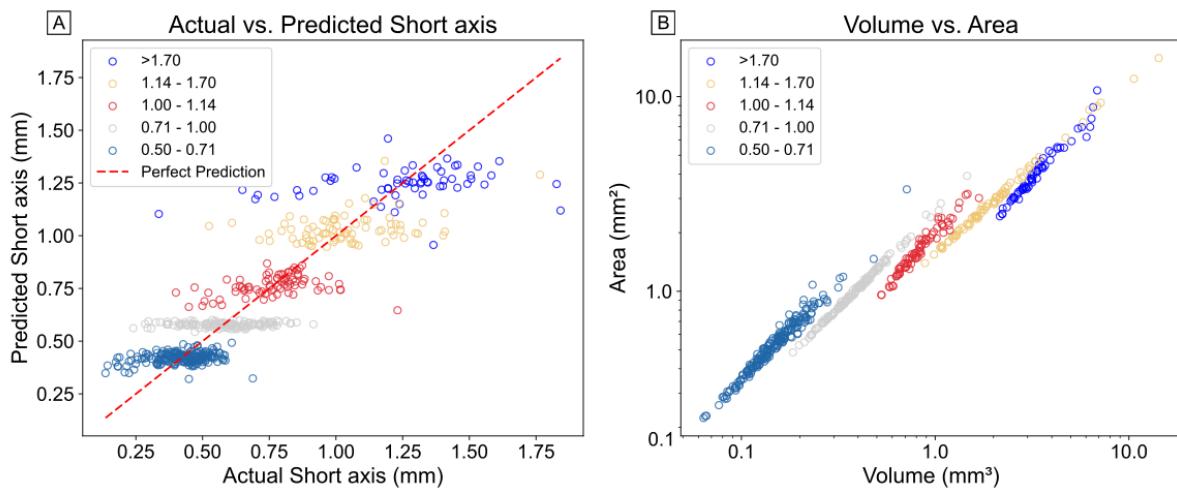
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**Supplementary Figure S1:** (A, D, G, J) Plot of volume against area colored by shape quadrant for each method. (B, E, H, K). (C, F, I, L) Zingg diagram showing the relationship between elongation and flatness used to define form variations.



**Supplementary Figure S2:** Overfitting when using separate models for each grain size class. (A) Prediction regression model for each grain size class. (B) Resulting volume-area plot showing overfitting based on each grain size class.