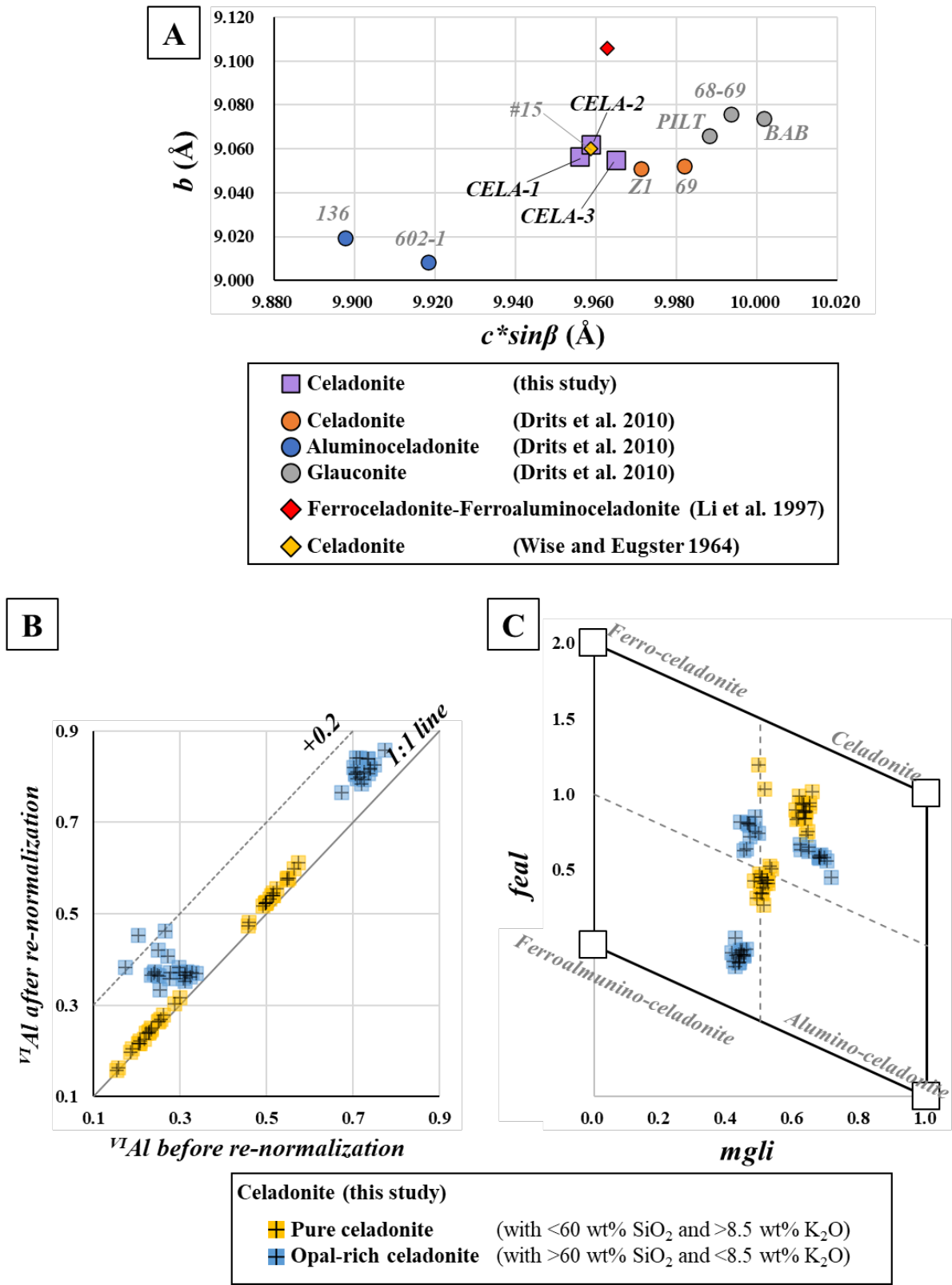


Electronic Supplementary Material 4. Structural constraints for celadonite classification.



The cell parameters were calculated using UnitCell software (updated March 3, 2021) devised and developed by Holland and Redfern (1997) and summarized in Table 2. Furthermore, the

XRD data reported by Li et al. (1997) and Wise and Eugster (1964) are also compared (Table 2). **Figure A** shows the b versus $c \cdot \sin\beta$ relationship. Our celadonite samples (CELA-1, -2, and -3) are close to those from Drits et al. (2010) and Wise and Eugster (1964), located at the end of celadonite–glaucinite solid solution of Drits et al. (2010). The samples from Drits et al. (2010) and Wise and Eugster (1964) contain only small amount of ^{IV}Al atoms per formula unit: Z1 (0.04 apfu), 69 (0.06 apfu), #15 (0.1 apfu), suggesting low ^{IV}Al abundances in our celadonite samples.

Reference

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