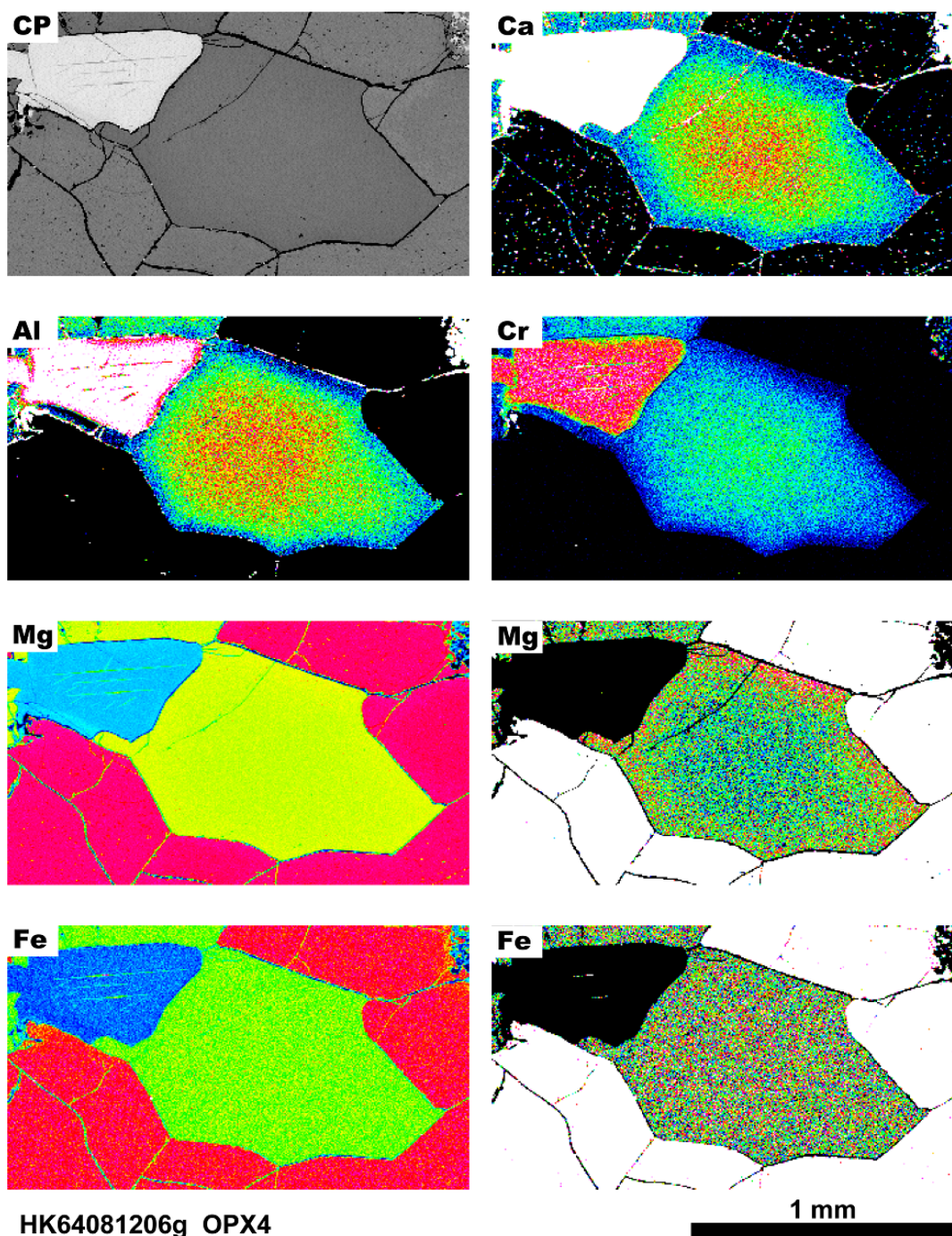
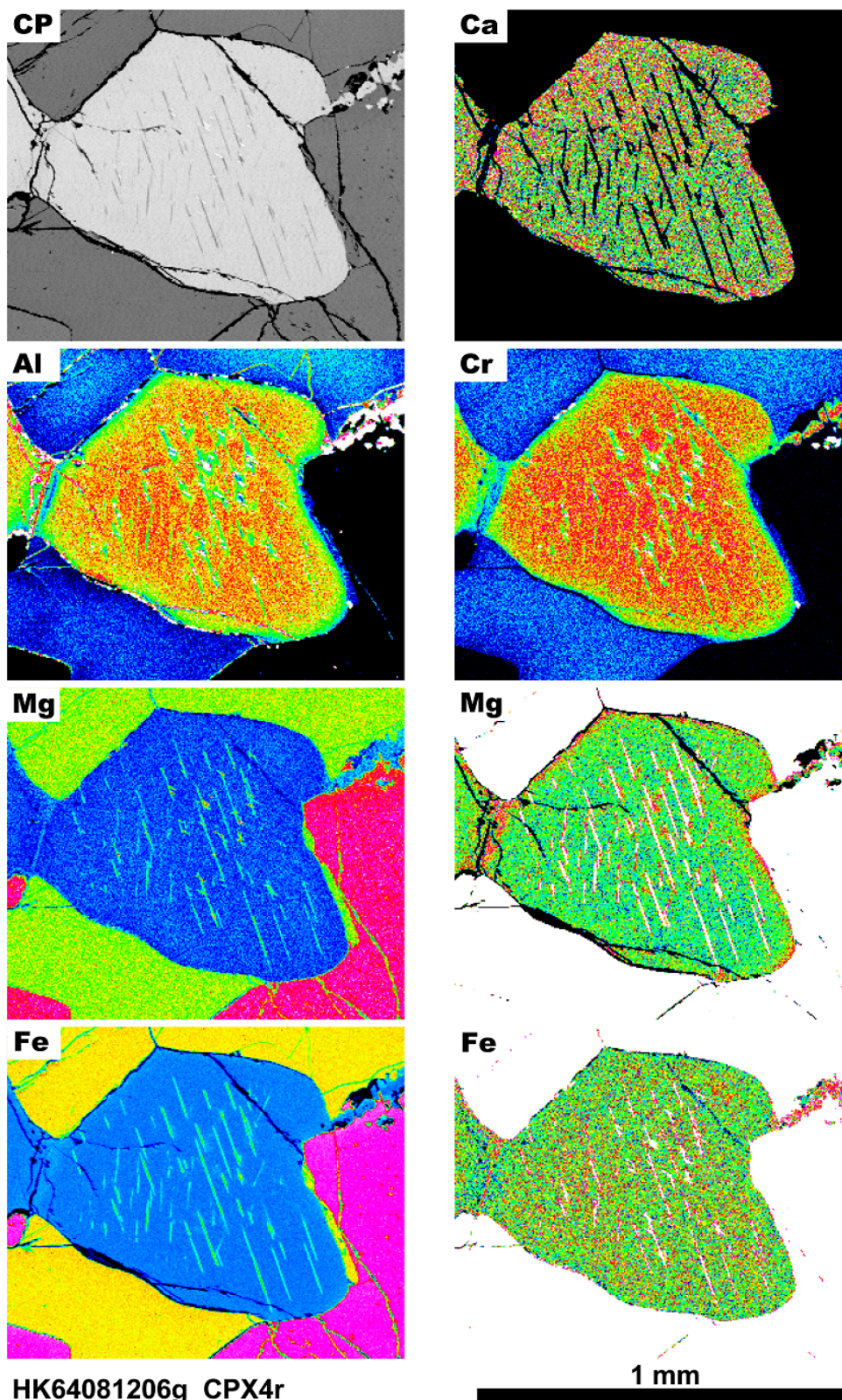


**Supplementary Figure S2.** Characteristic X-ray maps obtained for Mg, Al, Ca, Fe, and Cr in both orthopyroxene and clinopyroxene in the examined 9 Ichinomegata xenoliths, illustrating chemical zonings of pyroxenes. See Table 2 for classification of a zoning type of each pyroxene. Maps adjusted with different levels of X-ray counts of Mg and Fe show the mineral distribution around the targeted pyroxenes (maps on the left side) and chemical zonings of these elements in the pyroxenes (maps on the right side). Abbreviations: CP = a back-scattered electron image, and SE = a secondary electron image.

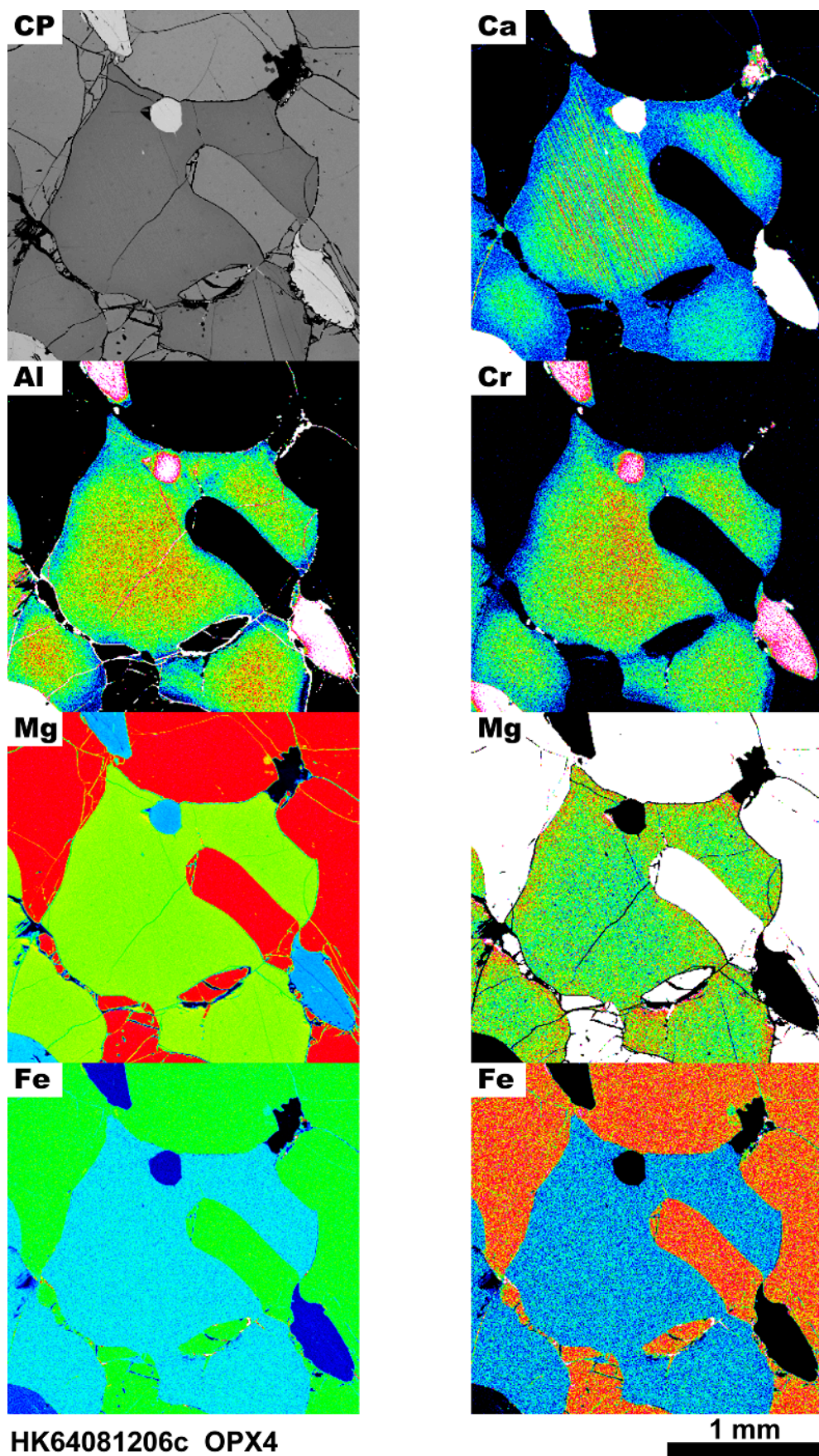


Supplementary Figure S2. (continued)



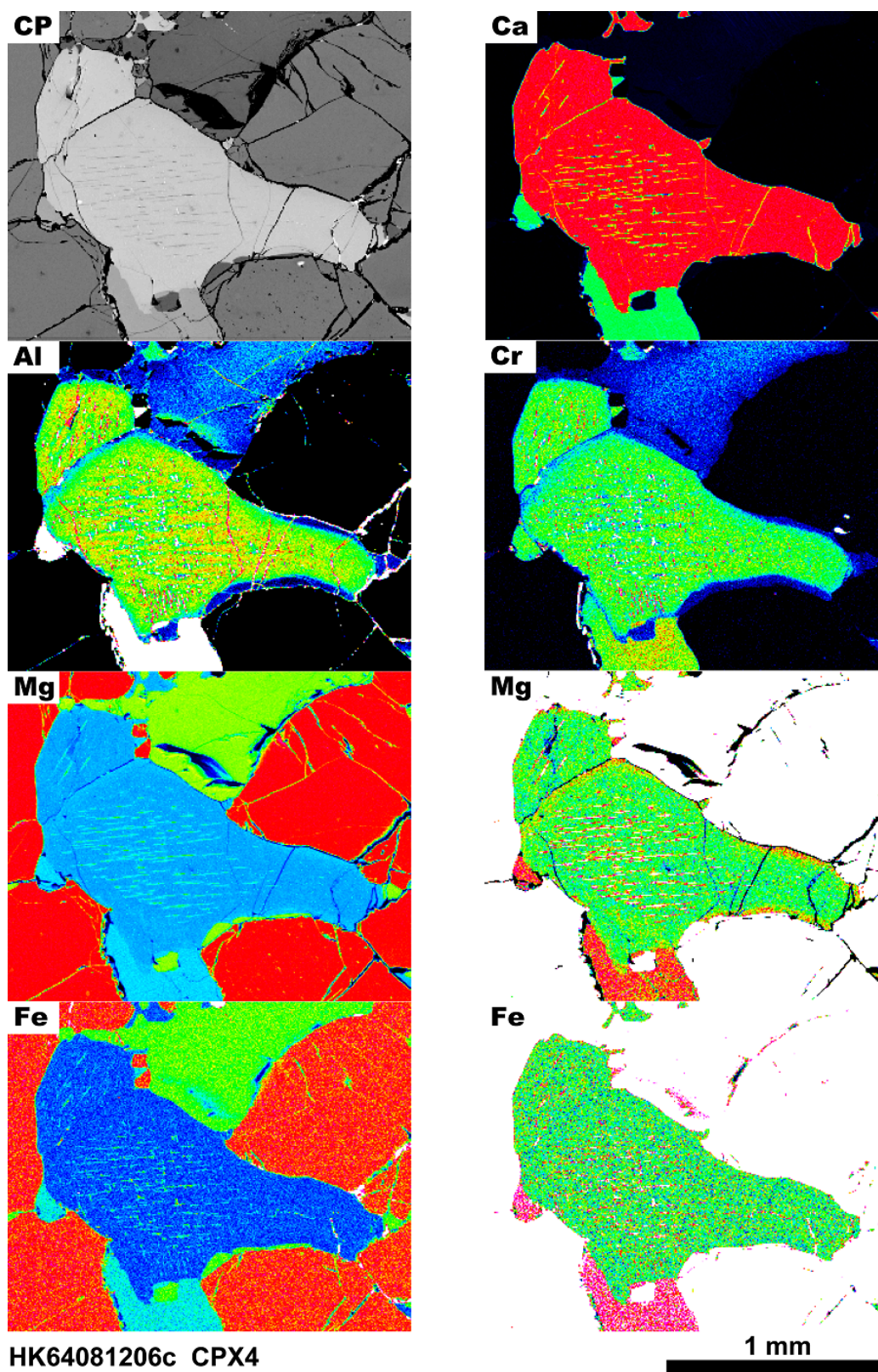


Supplementary Figure S2. (continued)



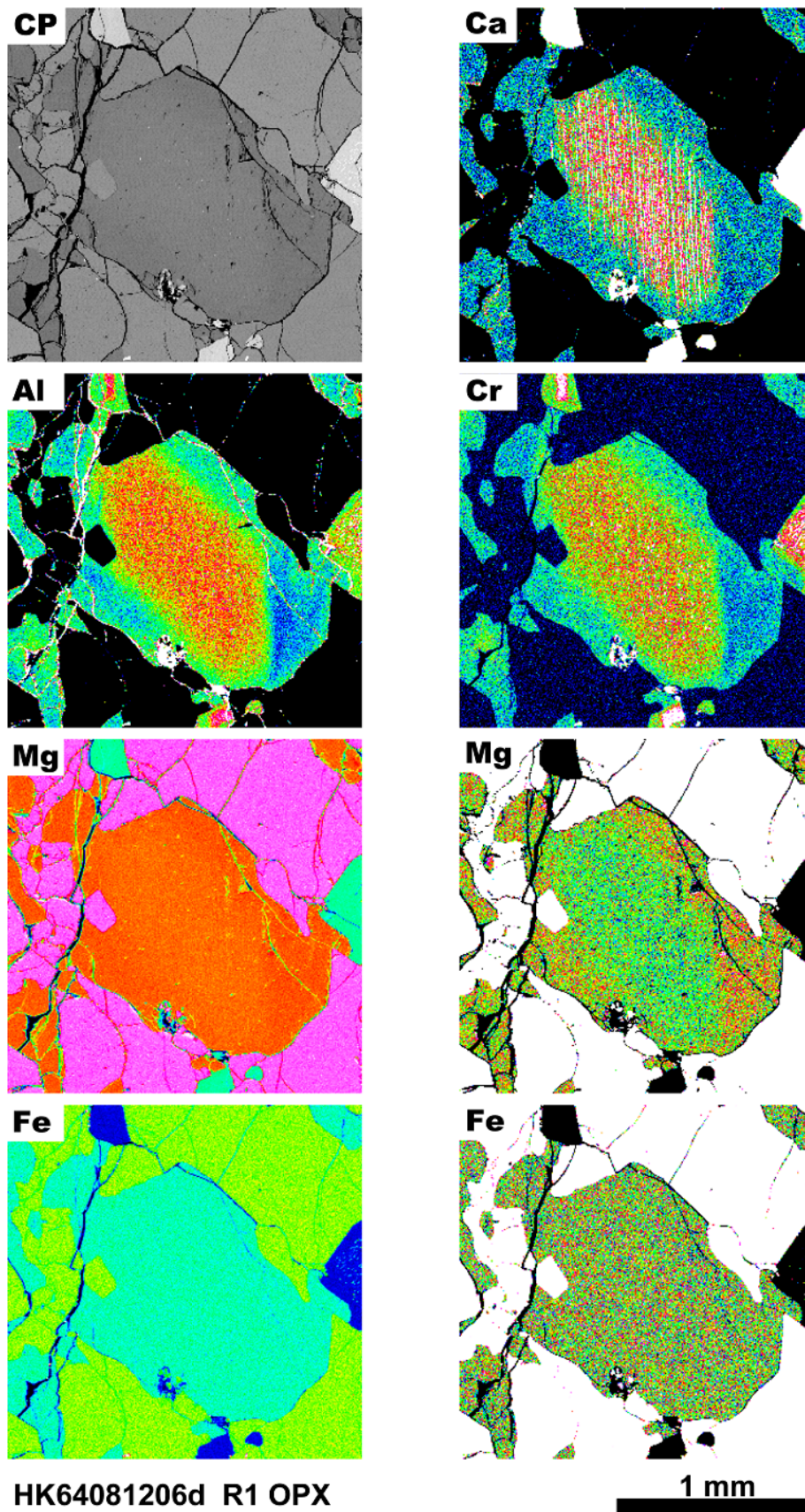


Supplementary Figure S2. (continued)



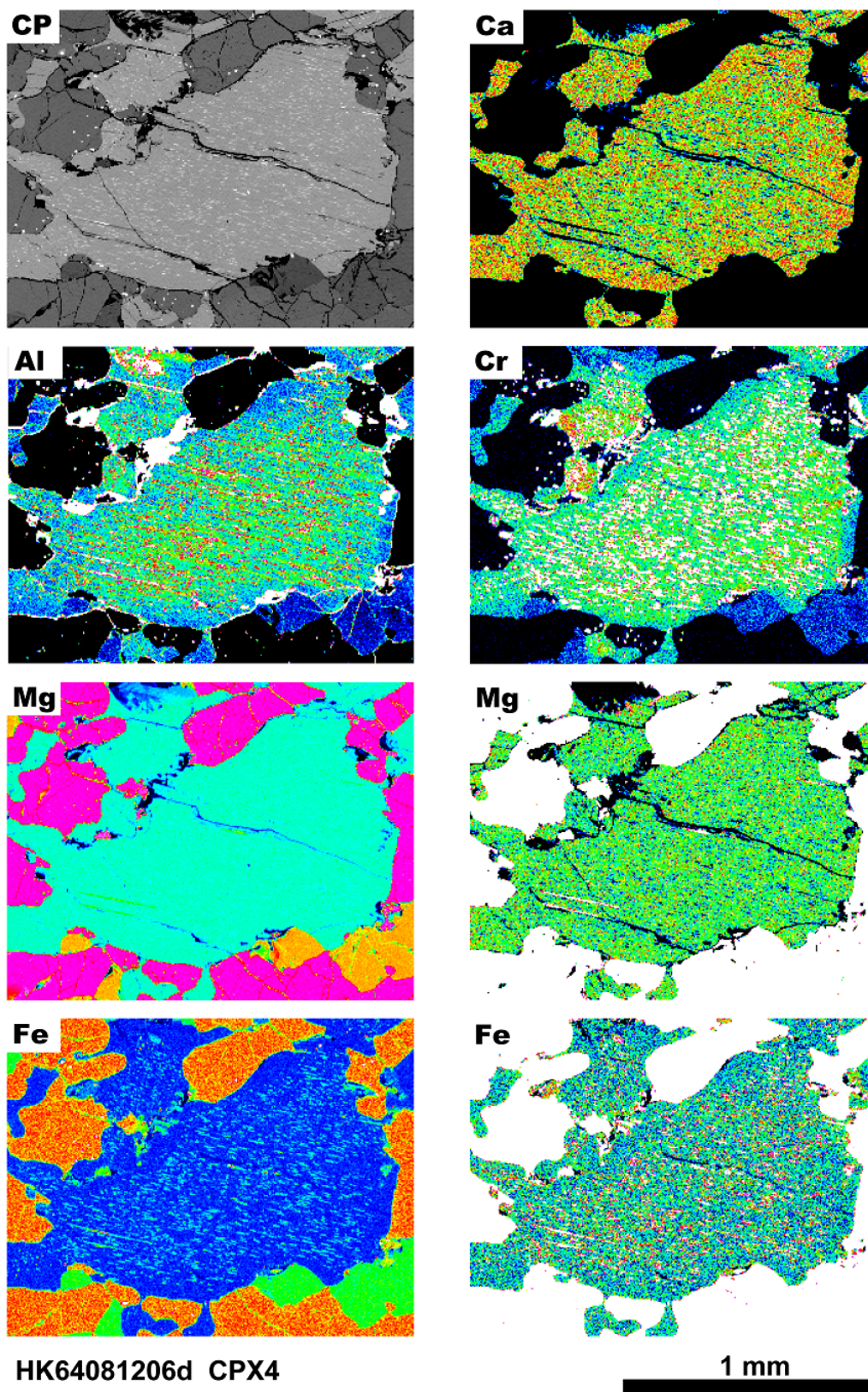


Supplementary Figure S2. (continued)



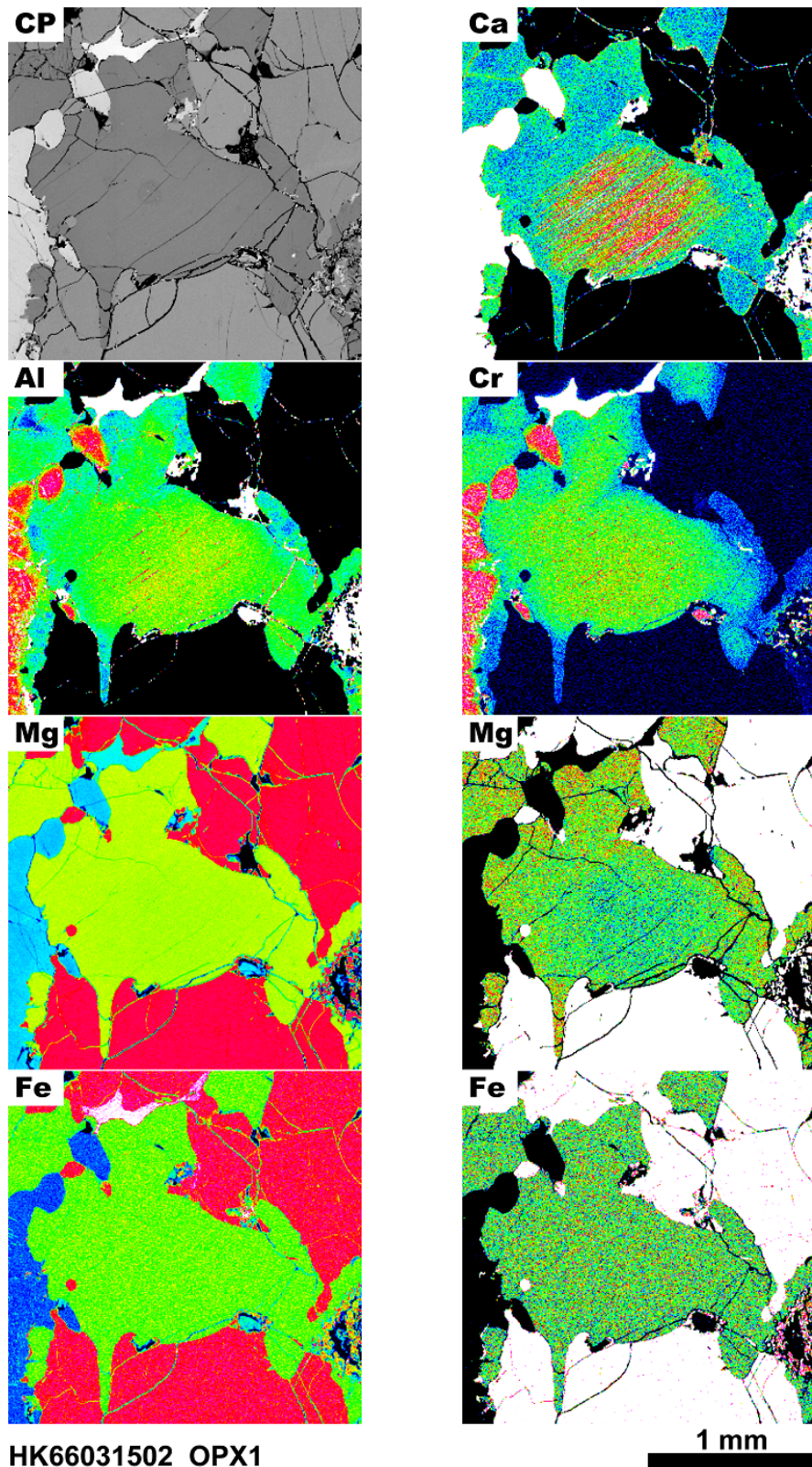


Supplementary Figure S2. (continued)



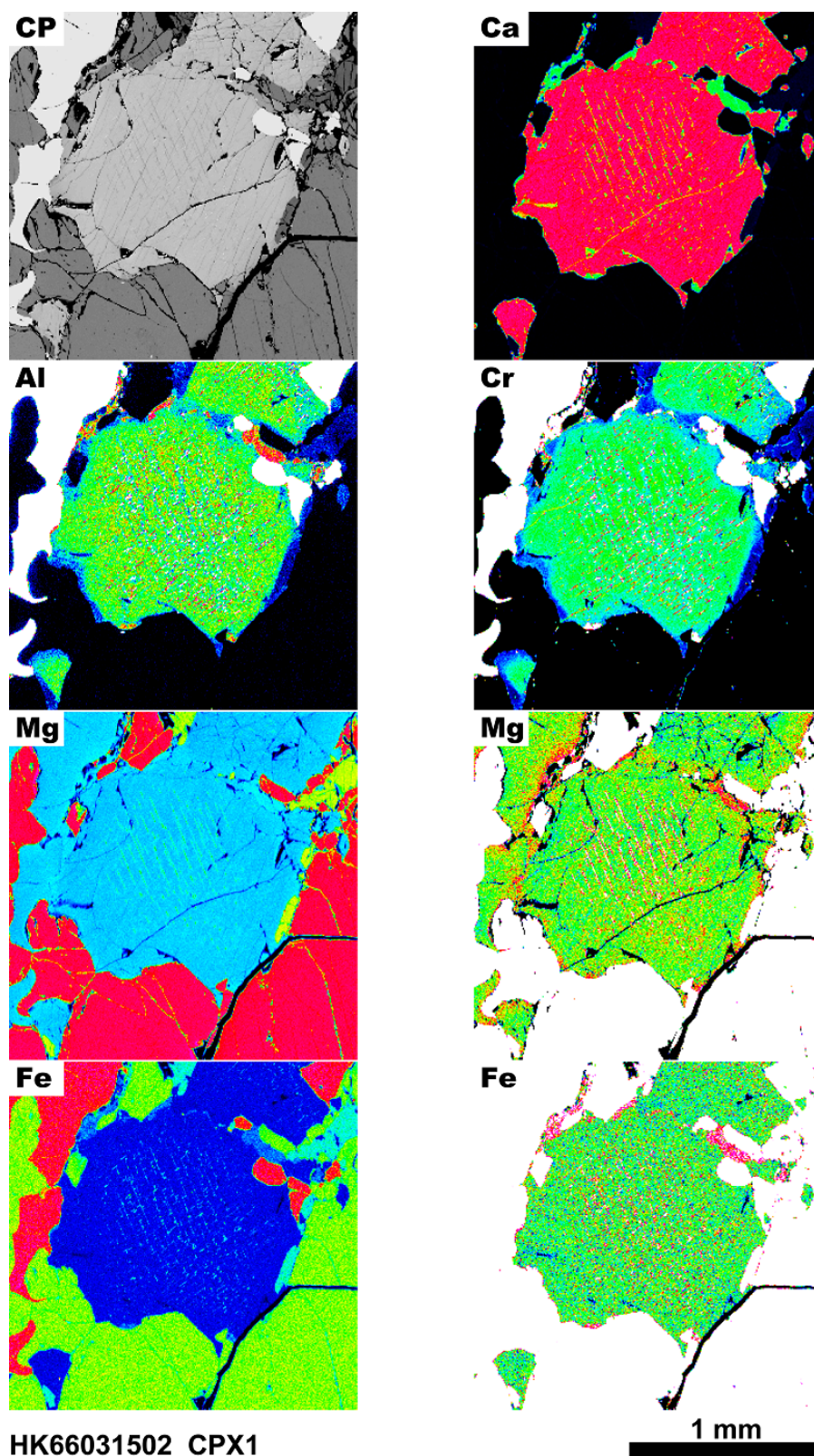


**Supplementary Figure S2. (continued)**



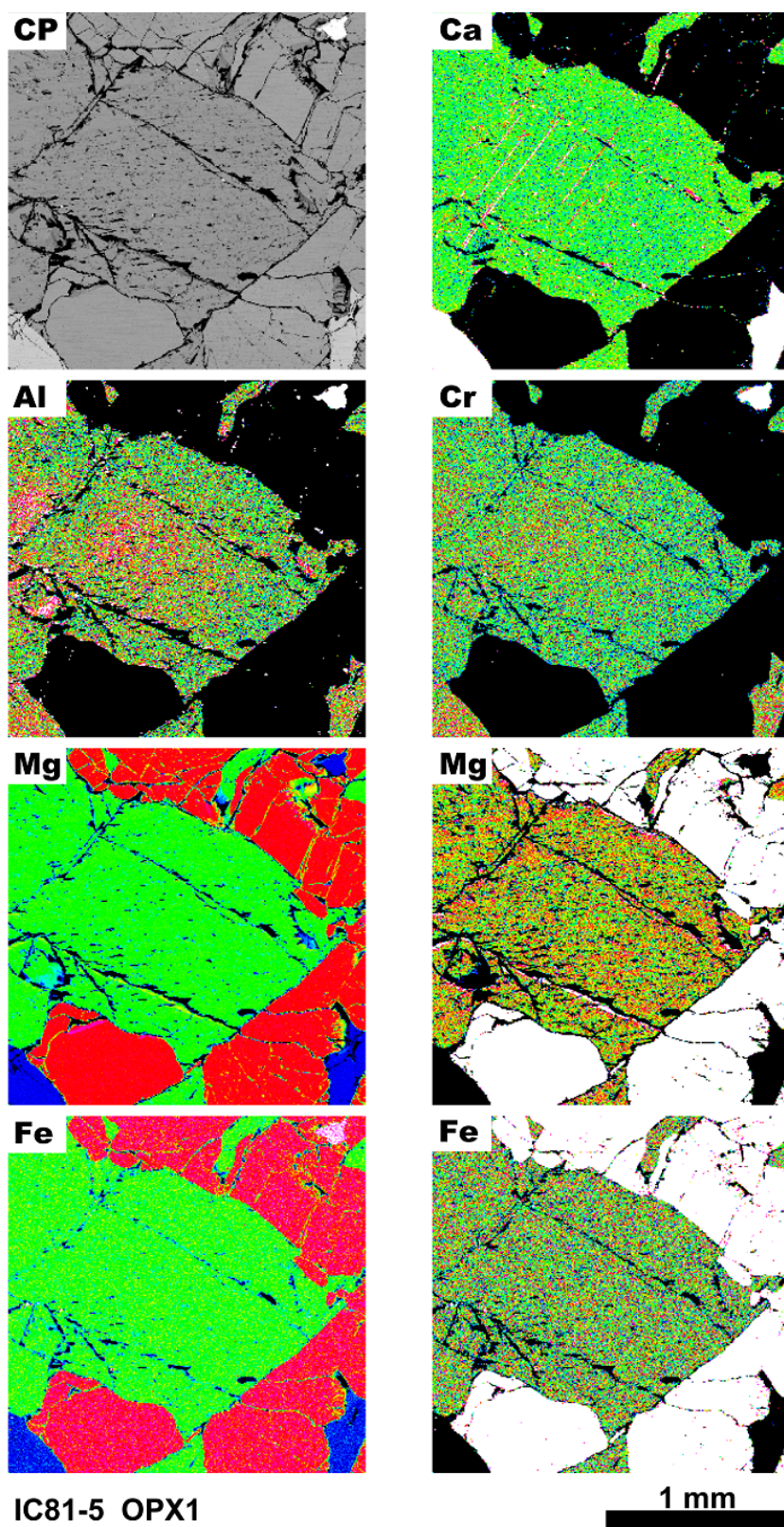


**Supplementary Figure S2. (continued)**



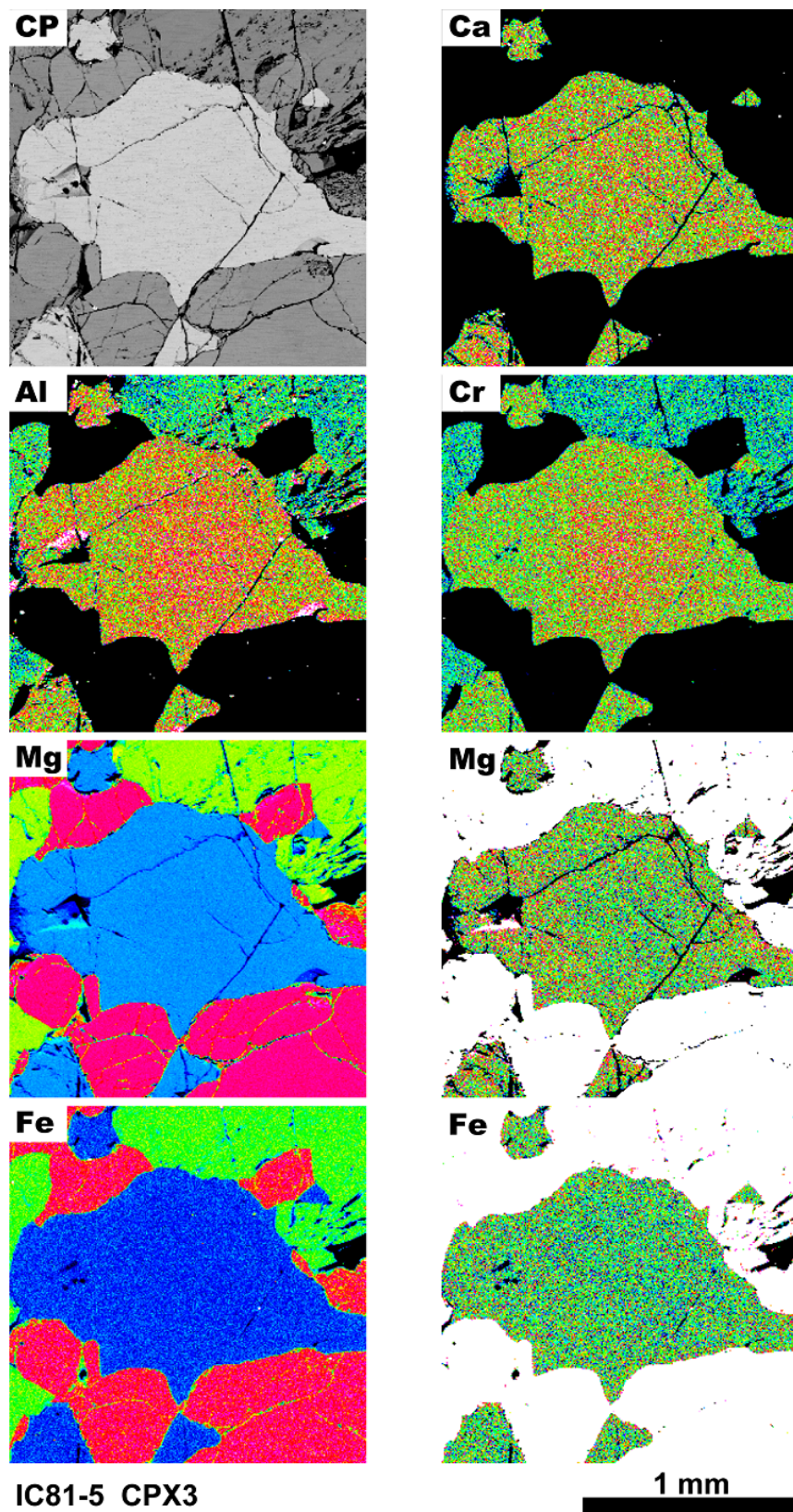


**Supplementary Figure S2. (continued)**



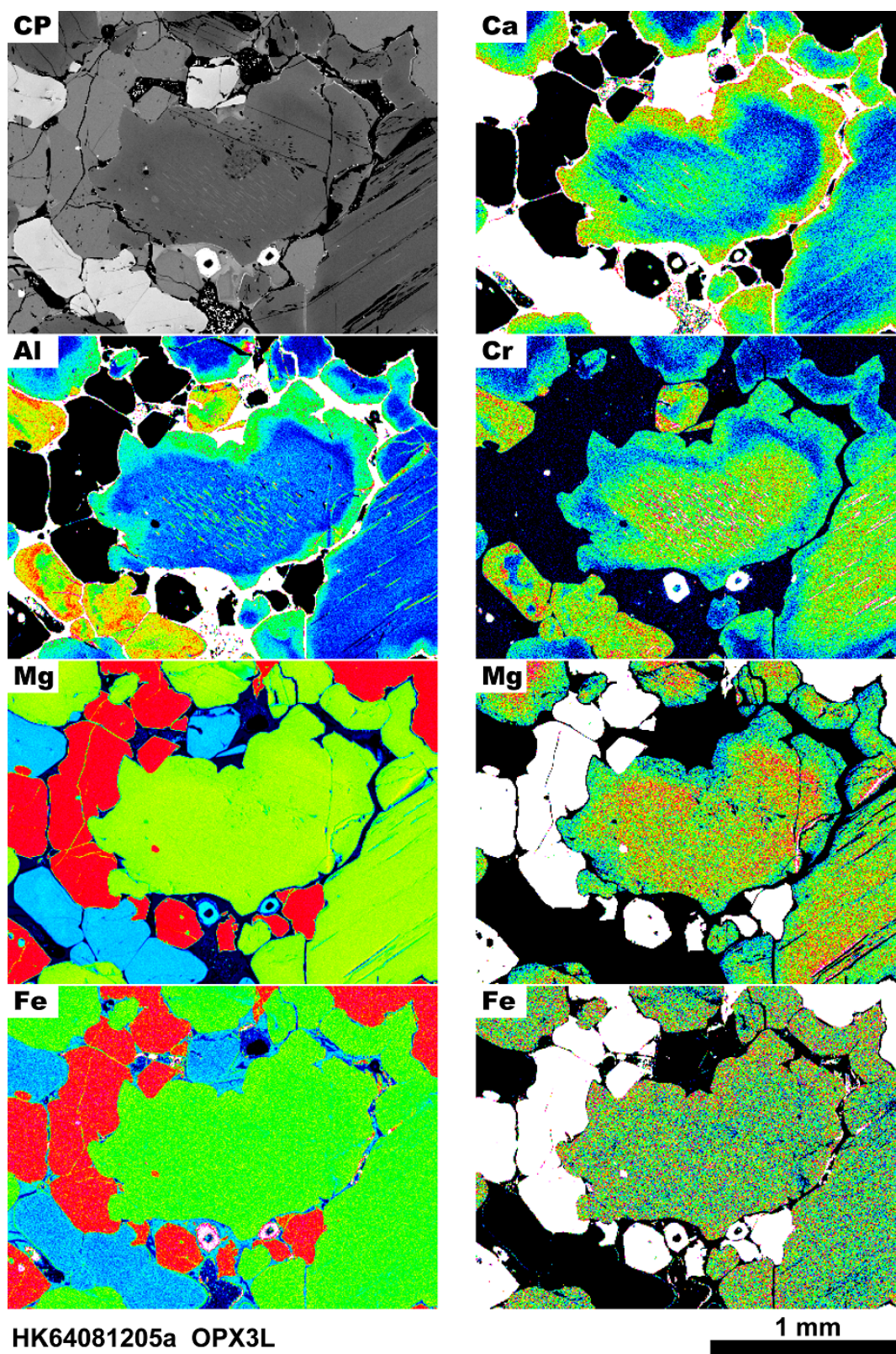


Supplementary Figure S2. (continued)



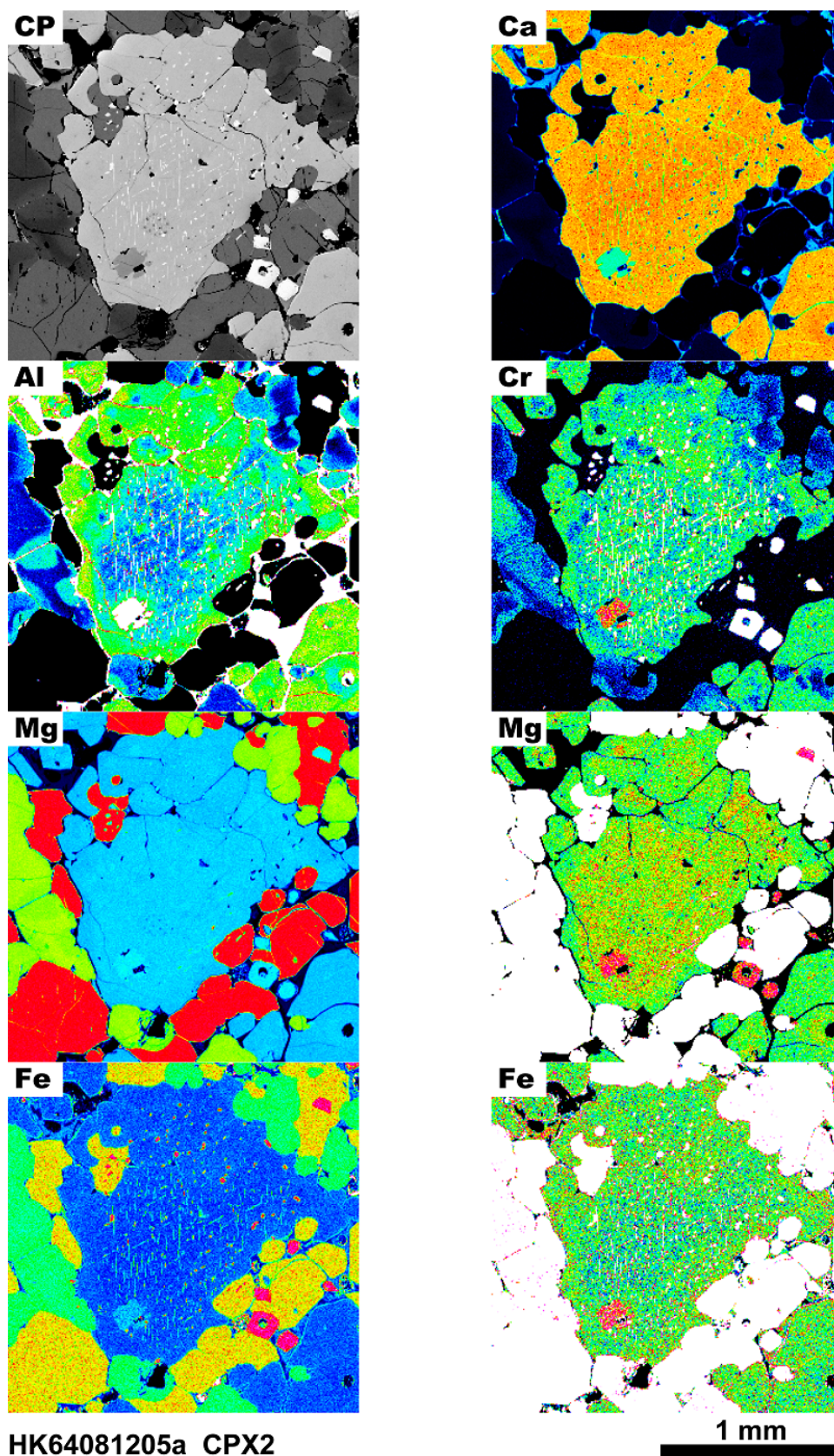


Supplementary Figure S2. (continued)



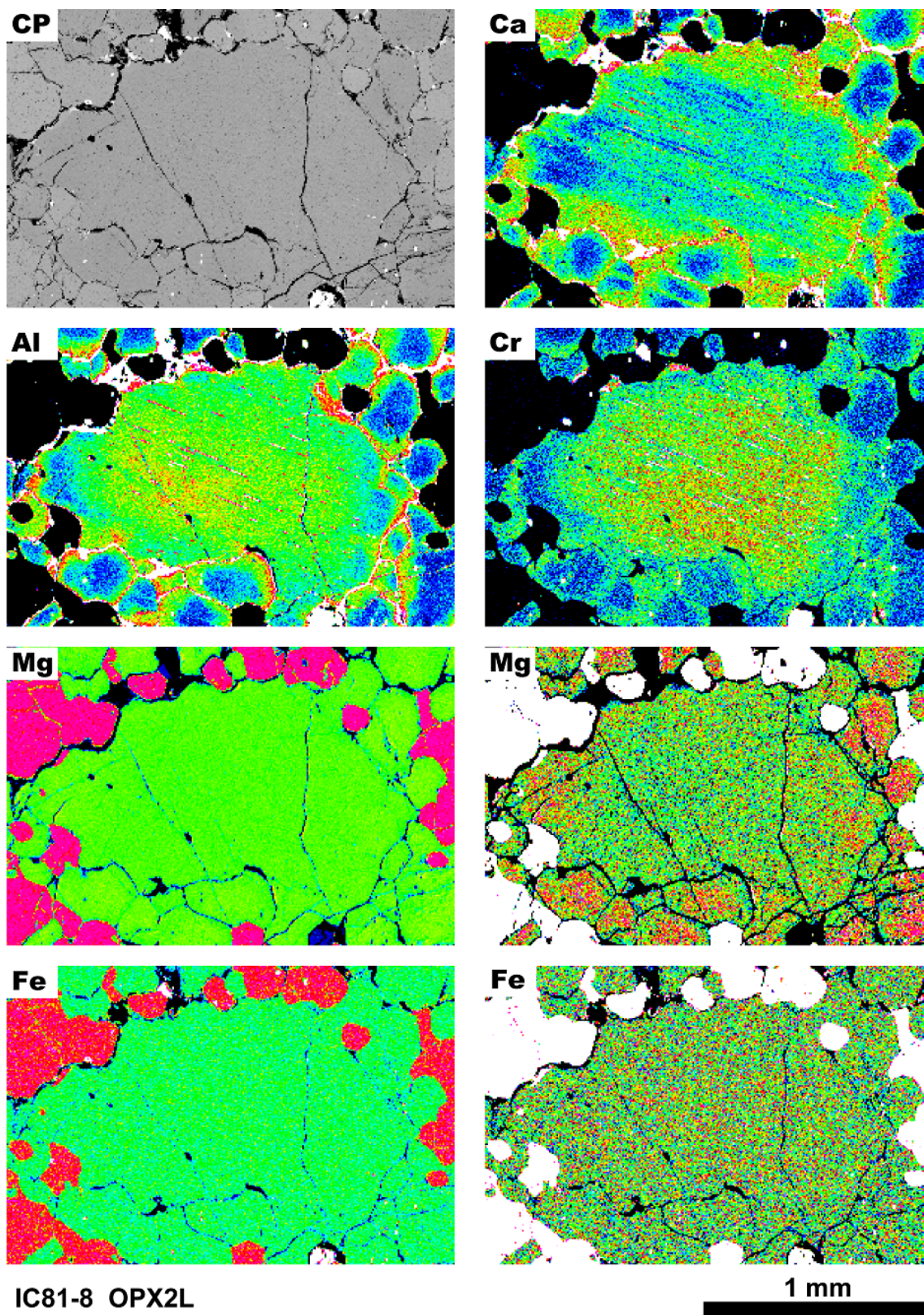


Supplementary Figure S2. (continued)



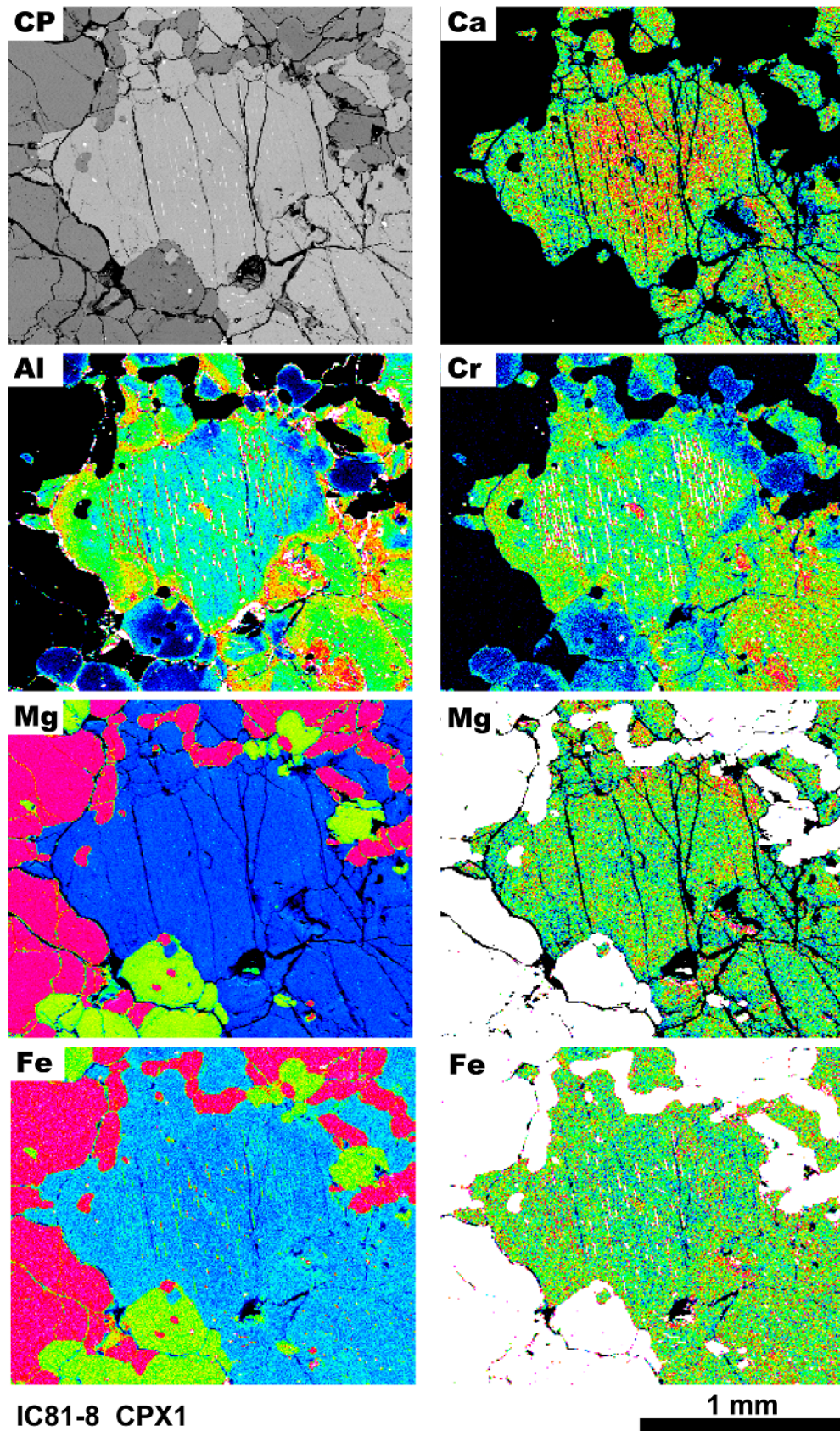


Supplementary Figure S2. (continued)



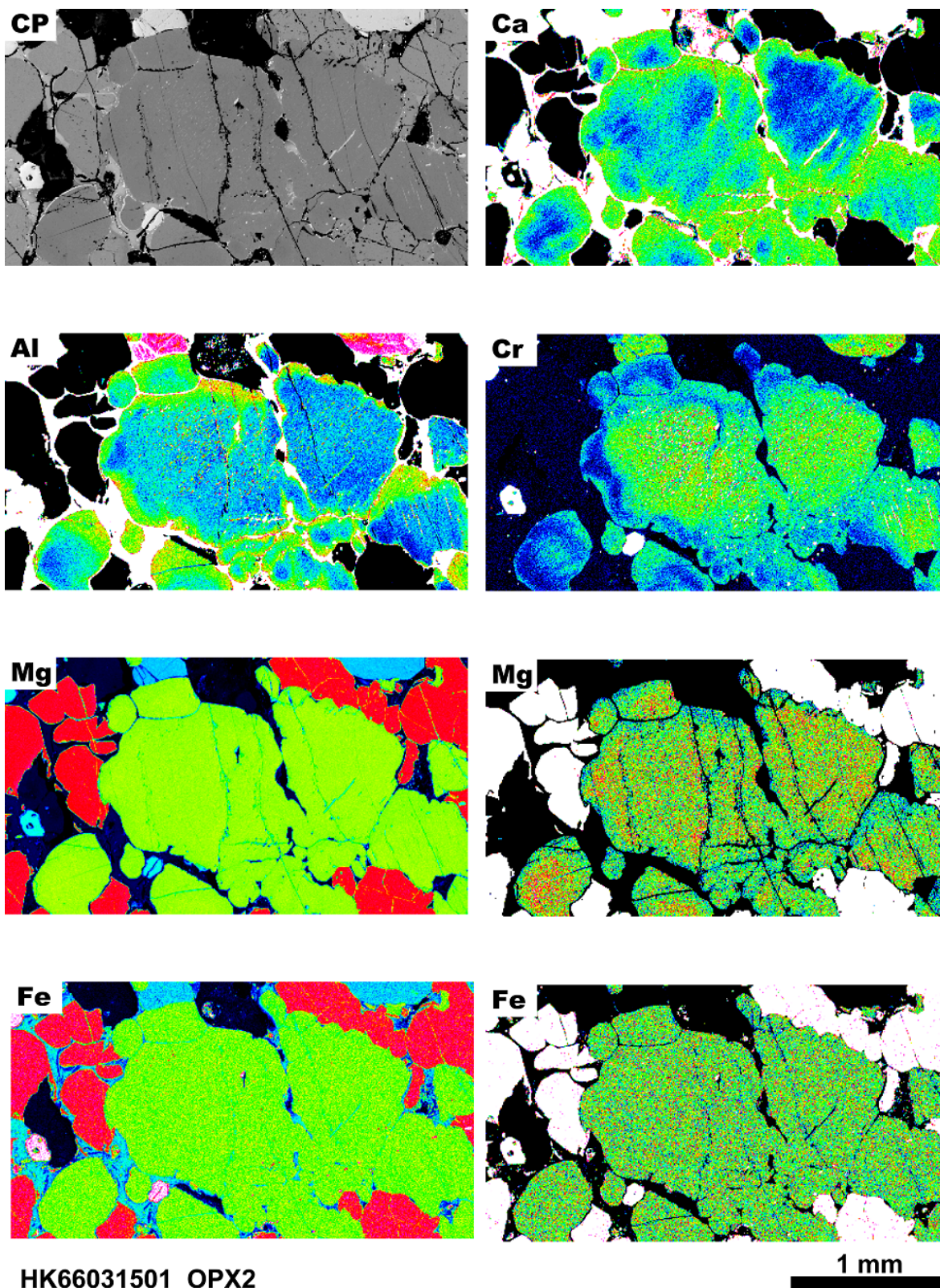


Supplementary Figure S2. (continued)



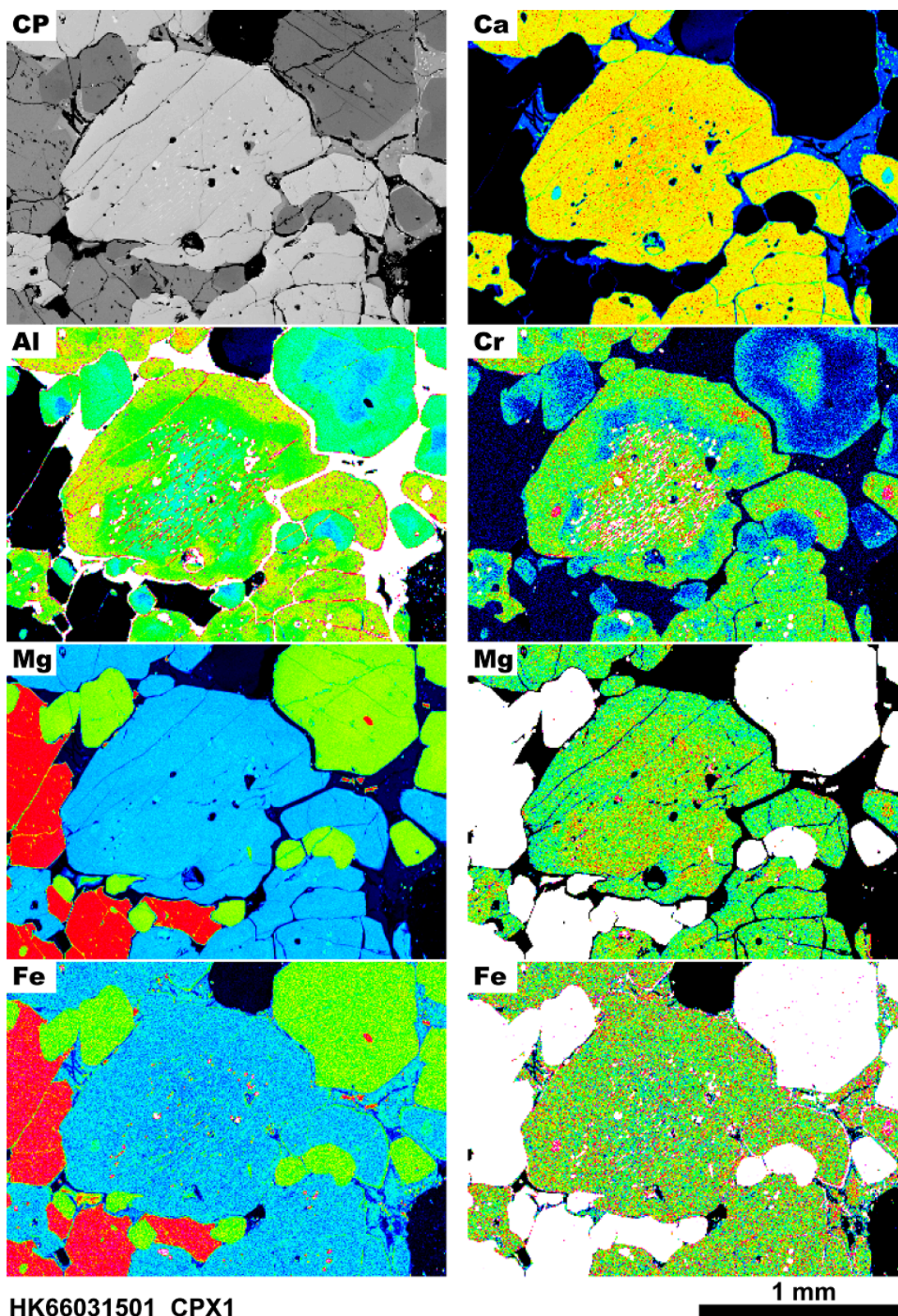


**Supplementary Figure S2. (continued)**



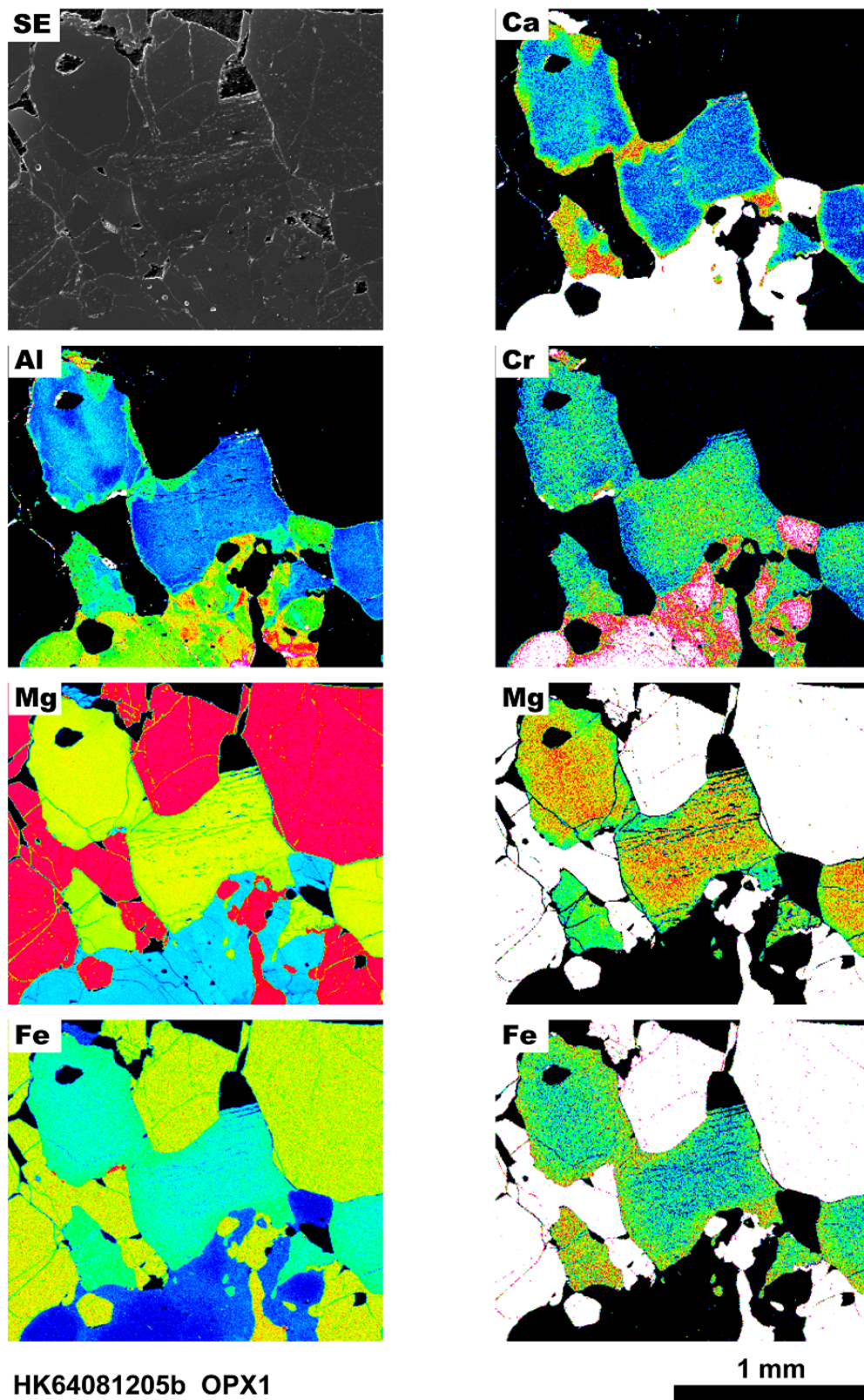


Supplementary Figure S2. (continued)



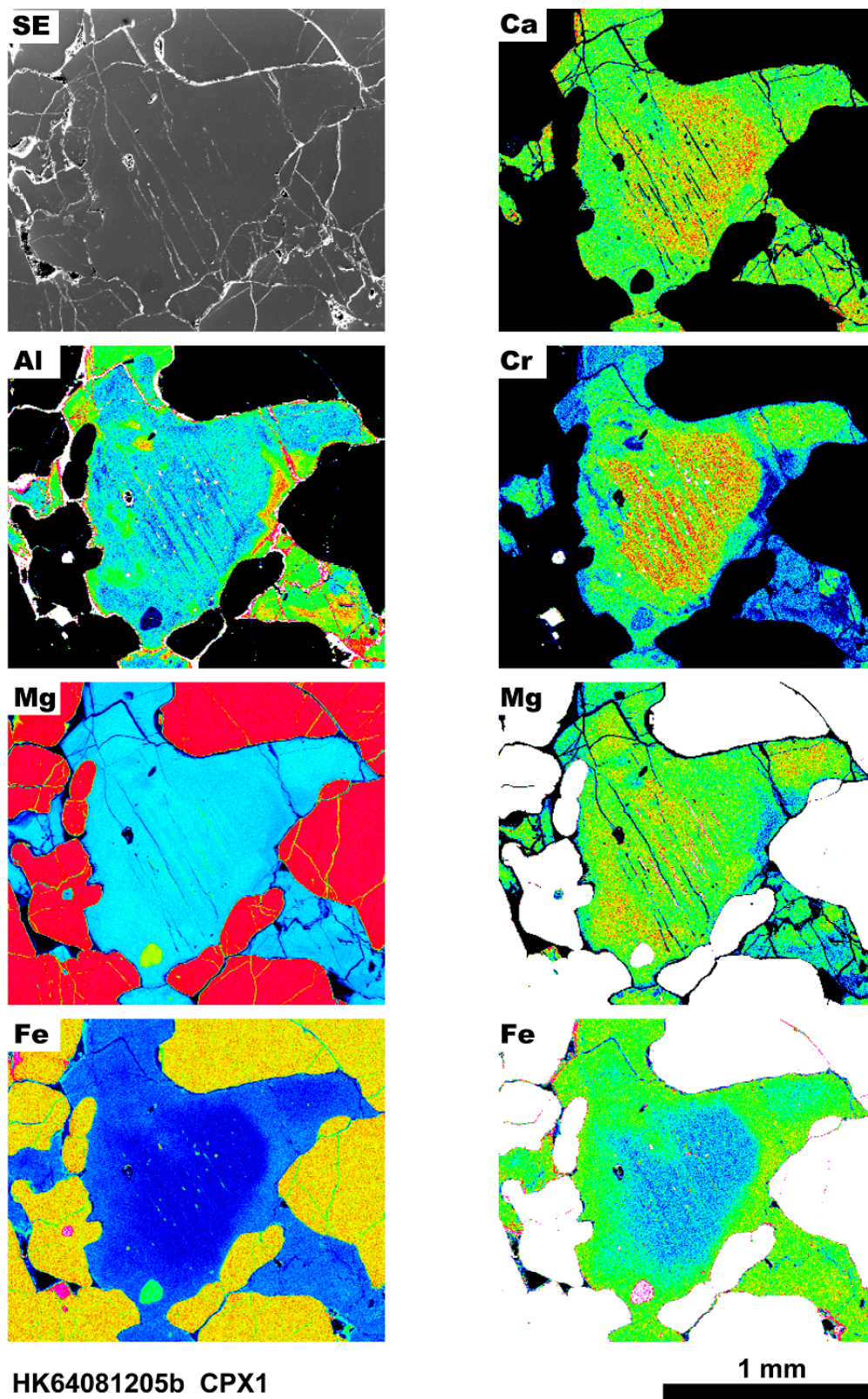


**Supplementary Figure S2. (continued)**





**Supplementary Figure S2. (continued)**



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