

Supplementary Figures

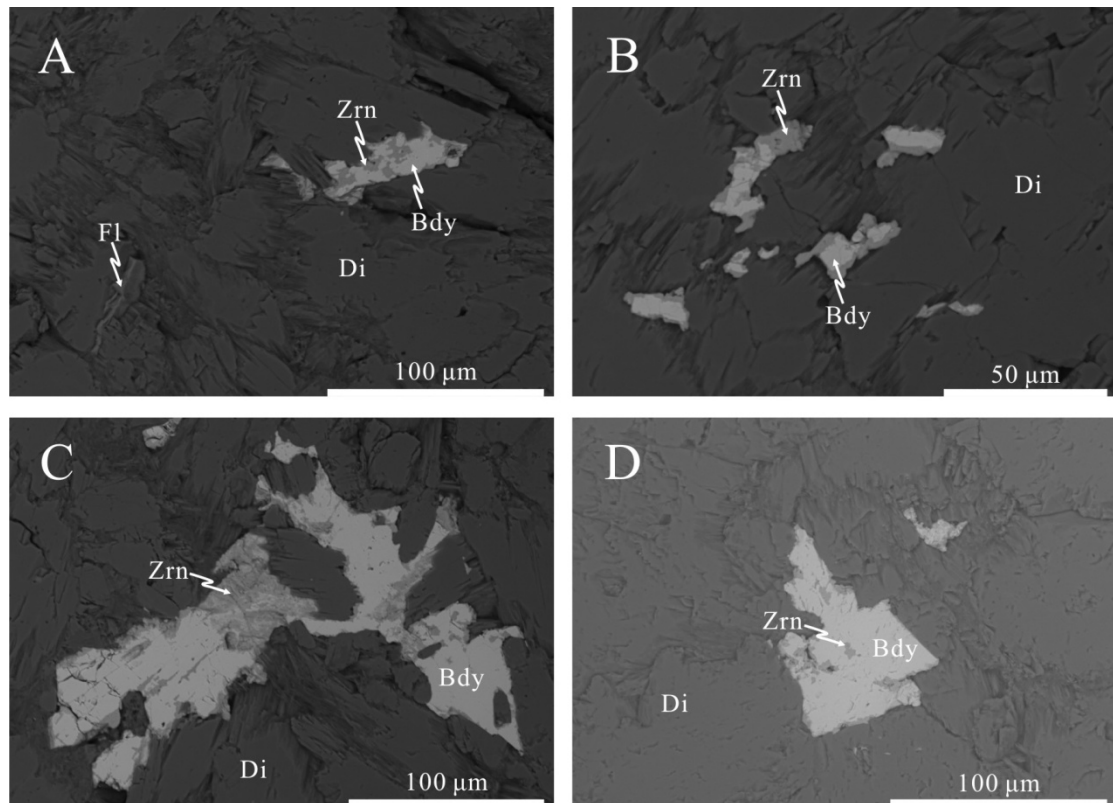


Figure S1: BSE images of Type 1a zircon with baddeleyite from the prograde skarn assemblages of the Tengtie deposit.

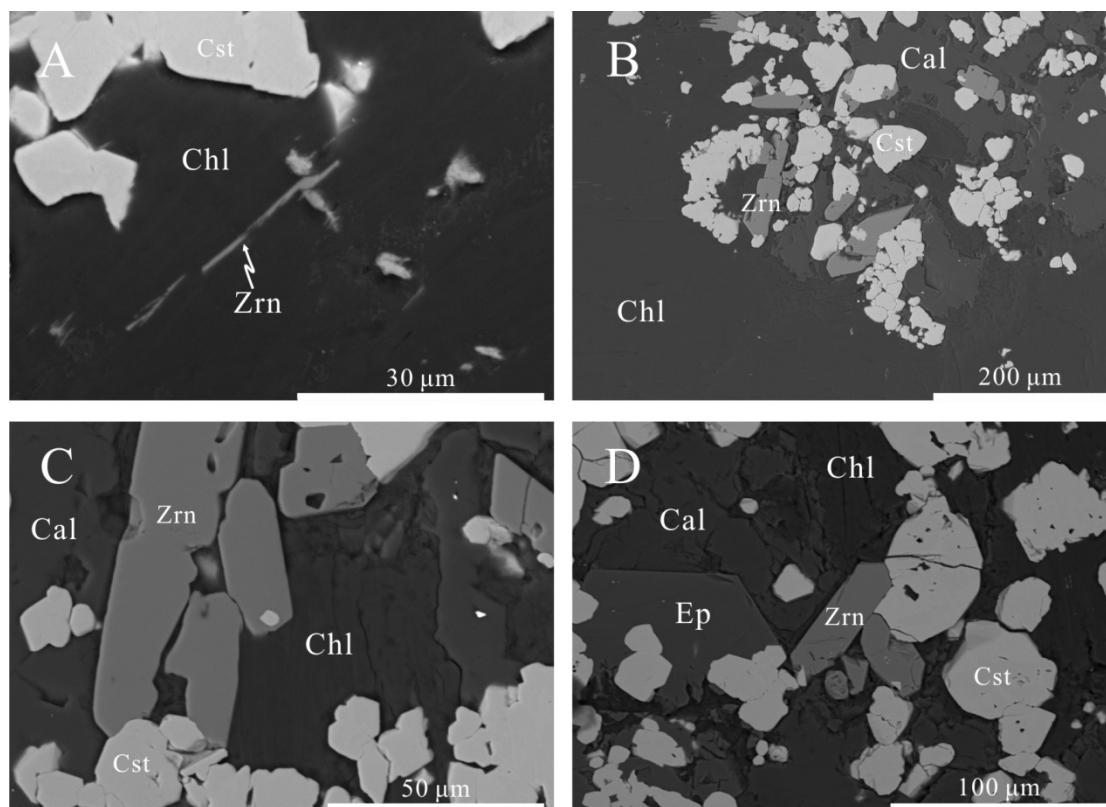


Figure S2: BSE images of Type 1b zircon from the retrograde skarn assemblages of the Tengtie deposit.

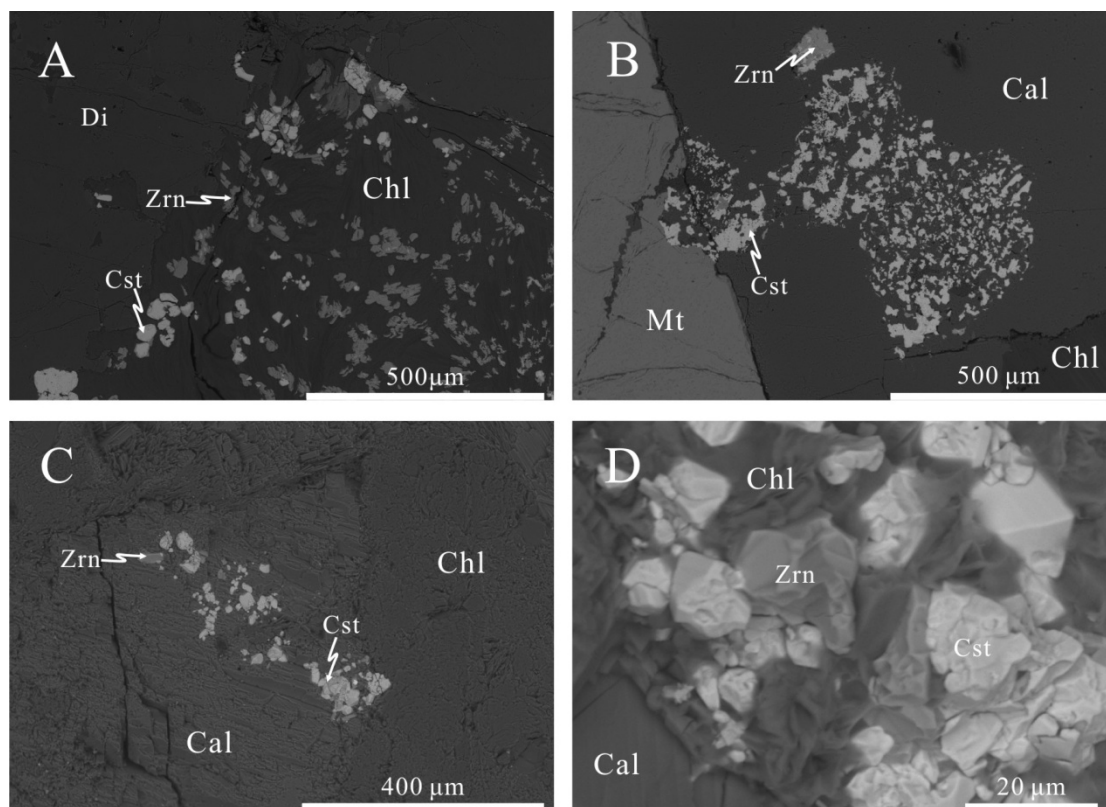


Figure S3: BSE images of Type 1b zircon from the retrograde skarn assemblages of the Tengtie deposit.

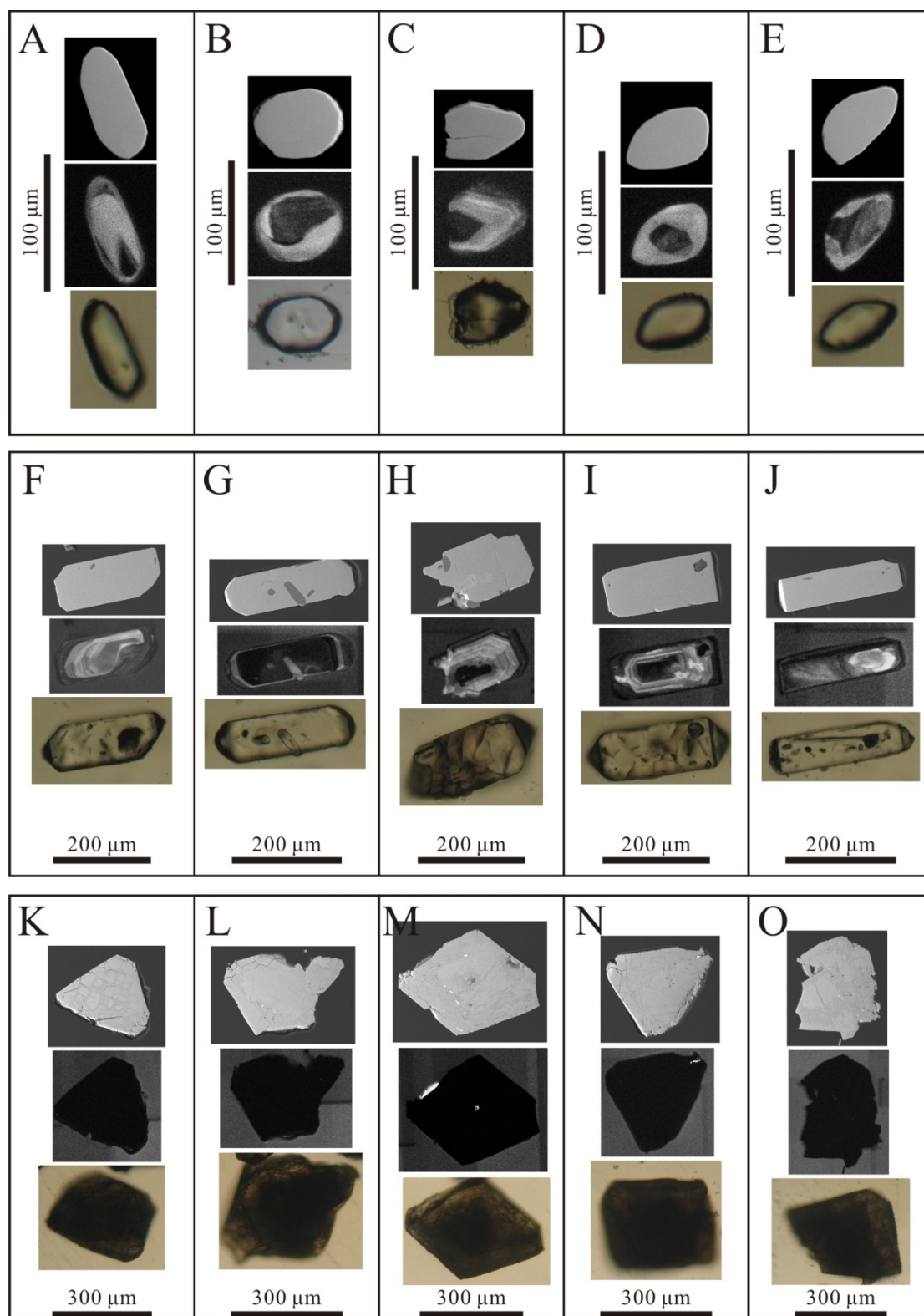


Figure S4: BSE, CL, and transmitted-light images of Type 2 zircon (A-E) from the retrograde skarn assemblages, Type 3 zircon (F-J) from the late granitic phase, and Type 4 zircon (K-O) from the early granitic phase of the Tengtie deposit.