



Figure 4. Overprinting relationships of and contrasting mineral assemblages associated with D1 and D2 structures. A: Field photo showing an S1 foliation overprinted by an F2 fold. B: Photomicrograph showing S1 overprinted by S2 (a crenulation cleavage). Subhorizontal surfaces. C–D (plane and cross polarized, respectively): Photomicrographs of an amphibolite gneiss from domain B. The mineral assemblage is Hbl+Pl+Bt+Qz, indicating that D1 probably took place under amphibolite-facies conditions. E–F (plane and cross polarized, respectively): Photomicrographs of a D2 mylonite from domain C. Chlorite is concentrated in the strain shadow of K-feldspar porphyroclasts, suggesting that D2 probably took place under greenschist facies conditions. The asymmetrical structures indicate dextral shear. Abbreviations: Amp, Amphibole; Bt, Biotite; Chl, Chlorite; Ep, Epidote; Hbl, Hornblende; Kfs, K-feldspar; Ms, Muscovite; Pl, Plagioclase; Qz, Quartz.