Supplementary informations figure

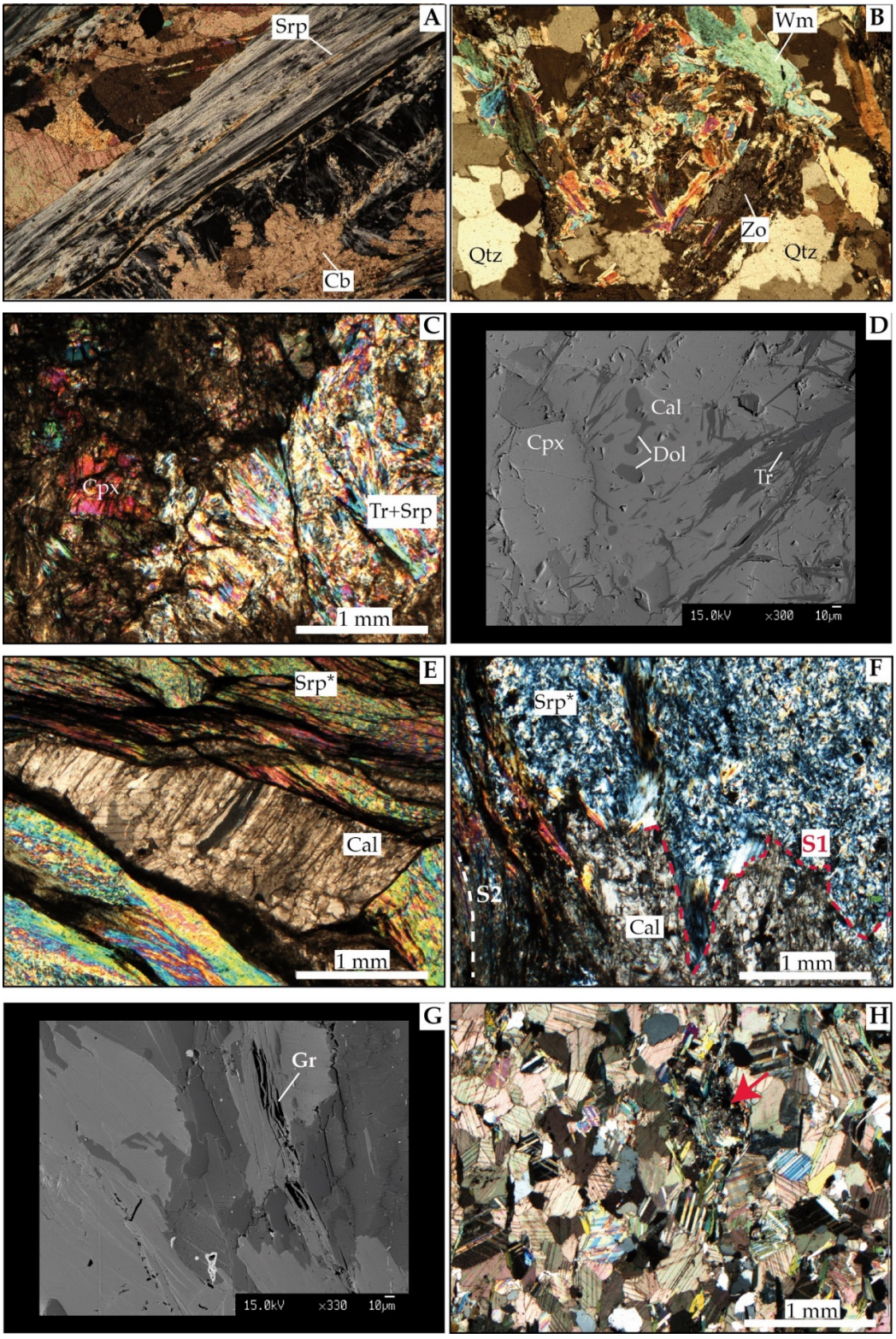

Figure S1. Photomicrographs of the Cogne-Urtier sequences. A) Carbonate-rich rock with serpentine (Srp) deriving from tectonic mixing between carbonatic metasediments and

metaophiolites. Sample MZ13. Magnification: 10X, crossed nicols. B) Lawsonite pseudomorph composed of white mica-zoisite±albite in quartz-rich calc schist. Sample 9.95. Magnification: 5X, crossed nicols. C) Matrix-supported ophicarbonate metabreccia from the Miserin lake chaotic rock unit. Detail of a carbonate-bearing serpentinite block of the breccia including relict clinopyroxene (Cpx) and tremolite+serpentine (Tr+Srp) fibrous aggregates. Sample MIS2. Crossed nicols. D) BSE image of the carbonate-rich matrix. Detail of dolomite bleb included in calcite. Sample MIS2. E) Clast-supported serpentinite metabreccia from the Miserin lake chaotic rock unit. Detail of the serpentinite clasts transposed with the carbonatic matrix. Sample MIS3D. Crossed nicols. F) Clast-supported serpentinite metabreccia from the Miserin lake chaotic rock unit. Detail of the original contact (S1) between serpentinite clast and carbonatic matrix now folded by isoclinal folds producing foliation "S2". Sample MIS7. Crossed nicols. G) BSE image from garnet-chloritoid-rich micaschists layer within calcschist from the Miserin lake area. The image reveals the occurrence of graphitic matter. Sample MIS11. H) General view of calc schists from the Miserin lake area. The red arrow points to a mineral aggregate possibly replacing lawsonite. Sample DON1. Crossed nicols.
Mineral abbreviations on pictures according to Whitney and Evans [128] except for white mica (Wm).