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Article:

Hoerle, GS, Remus, MVD, Müller, T et al. (3 more authors) (2023) Metasomatic reactions triggered by localized and dynamically evolving fluid flux record multistage intrusion history: An example from the syntectonic Caçapava do Sul Granitic Complex, Southern Brazil. *Lithos*, 442-443. 107103. ISSN 0024-4937

<https://doi.org/10.1016/j.lithos.2023.107103>

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Figure 1
GEOLOGICAL UNITS

Cenozoic cover

Paraná Basin

Neoproterozoic cover

Camaquã Basin

Caçapava do Sul Granitic Complex

Granodiorites, monzogranites, syenogranites, diorites

Mylonitic granites

Passo Feio Metamorphic Complex

Carbonatite lenses

Metapelites, amphibolites, quartzites, Mgschists

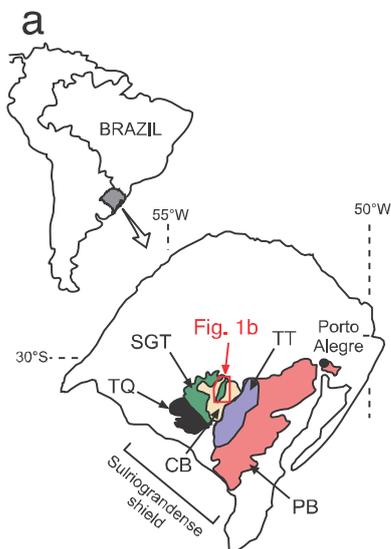
Dolomitic marbles, Mgskarns

Palma Group

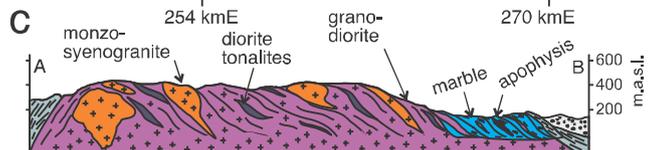
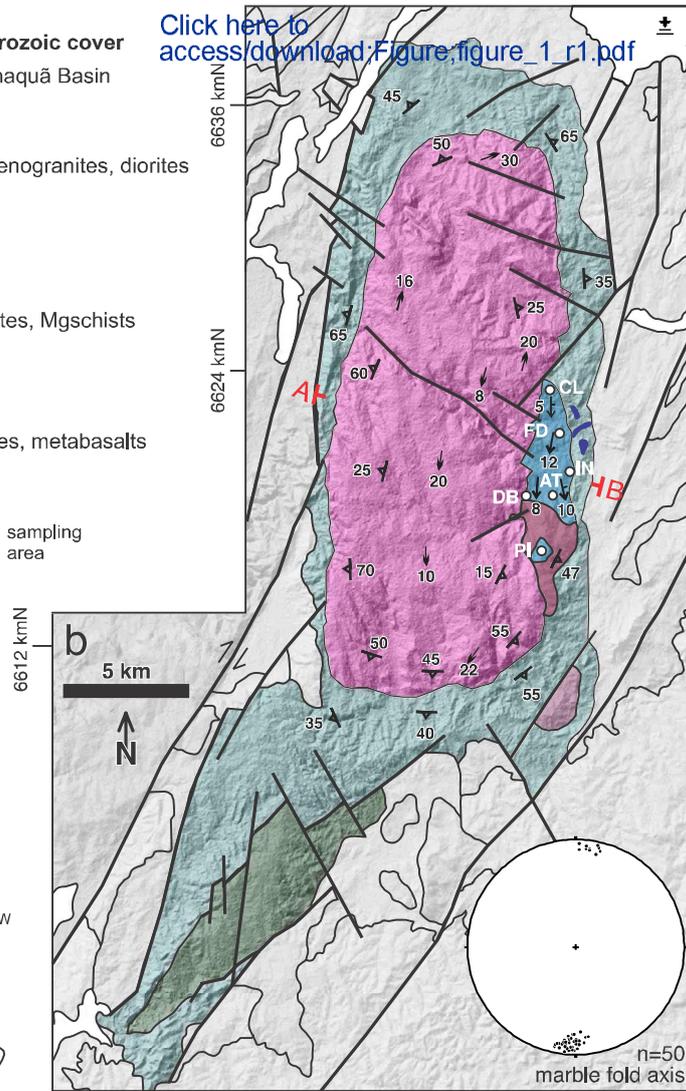
Mudador Formation, metaandesites, metabasalts

MAP CONVENTIONS

- ↘ fault
- ↘ stretching lineation
- ↘ recumbent fold axis
- ↗ foliation / igneous banding
- ↘ fold axis
- sampling area



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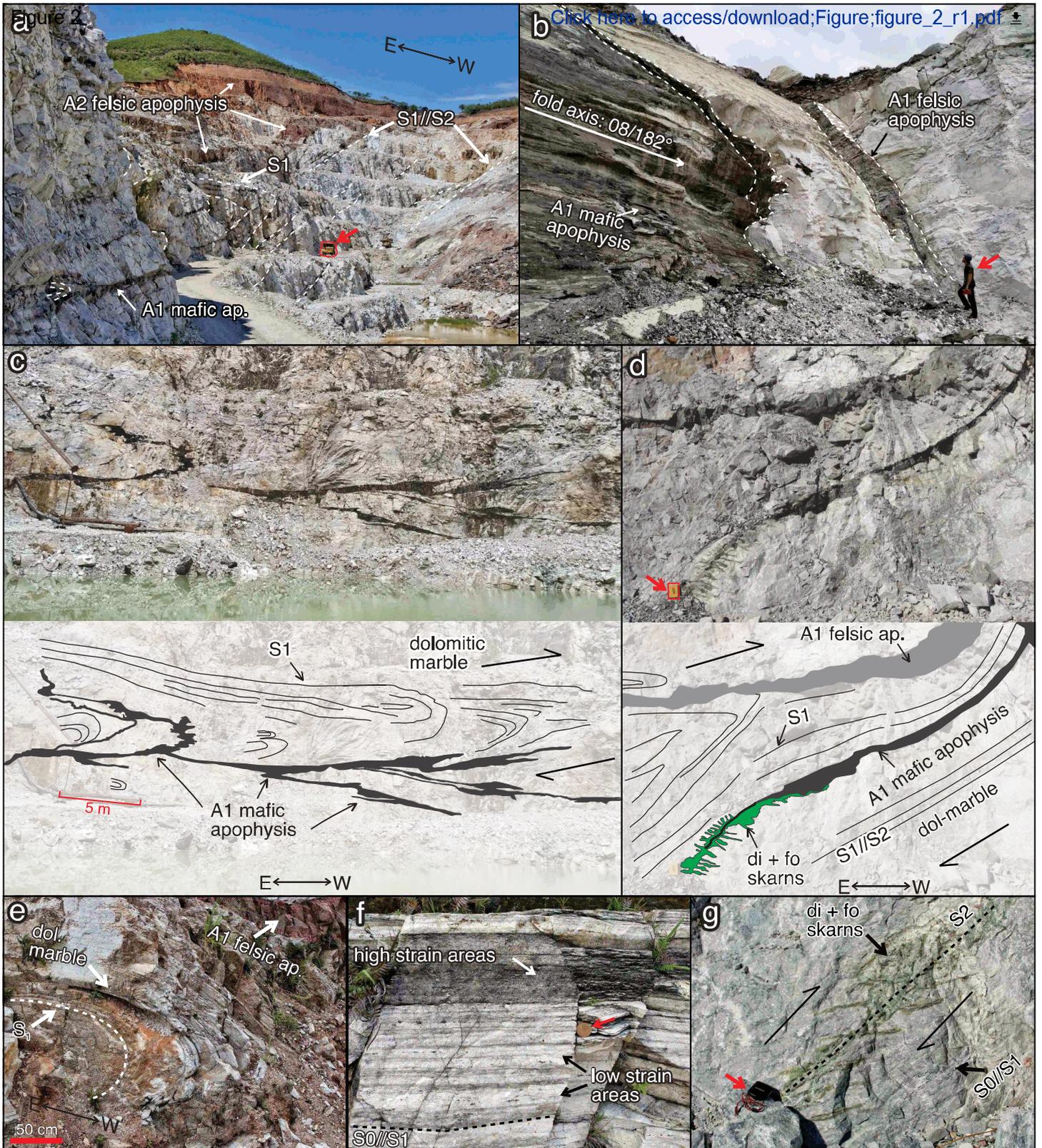


Figure 3

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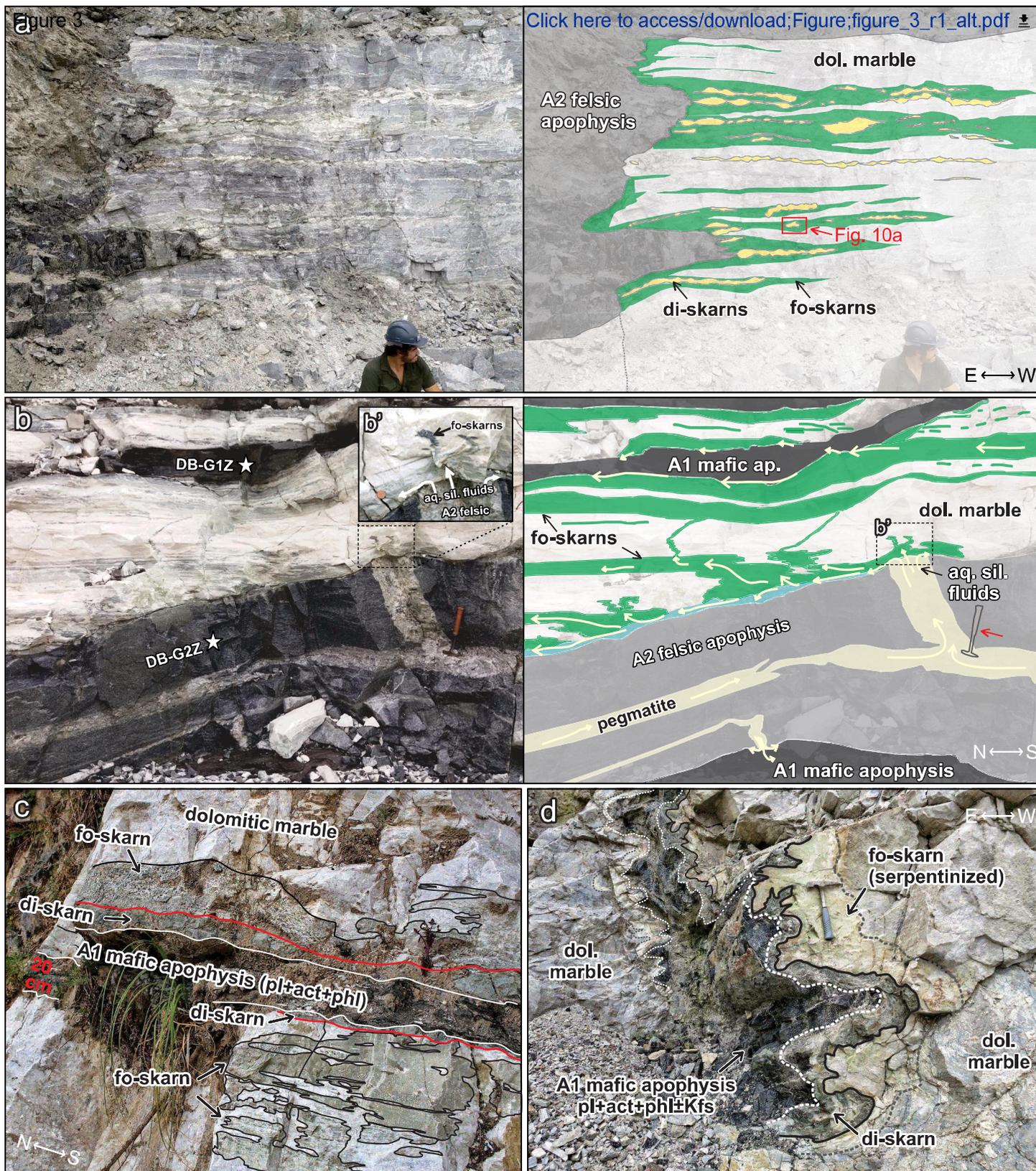
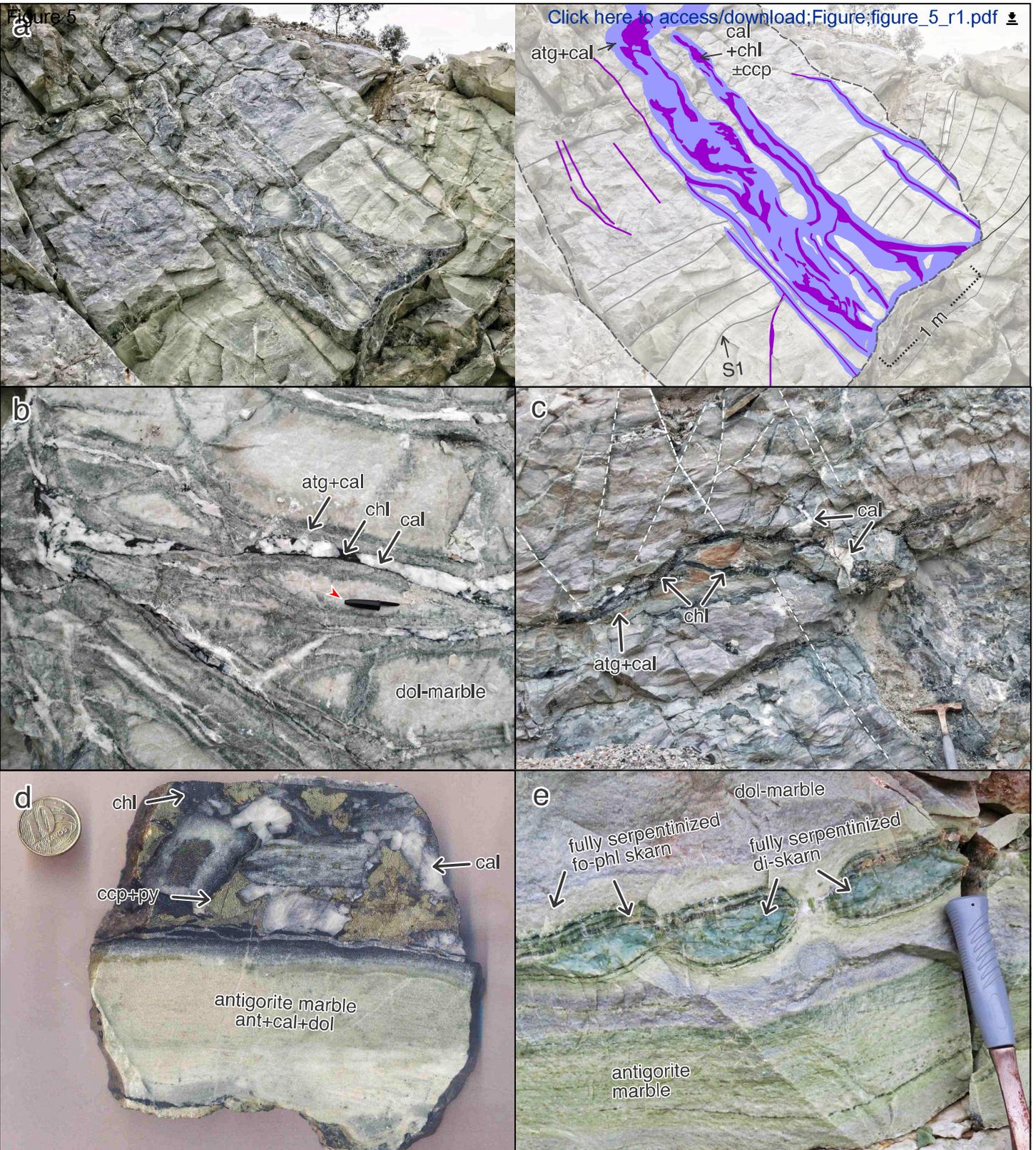
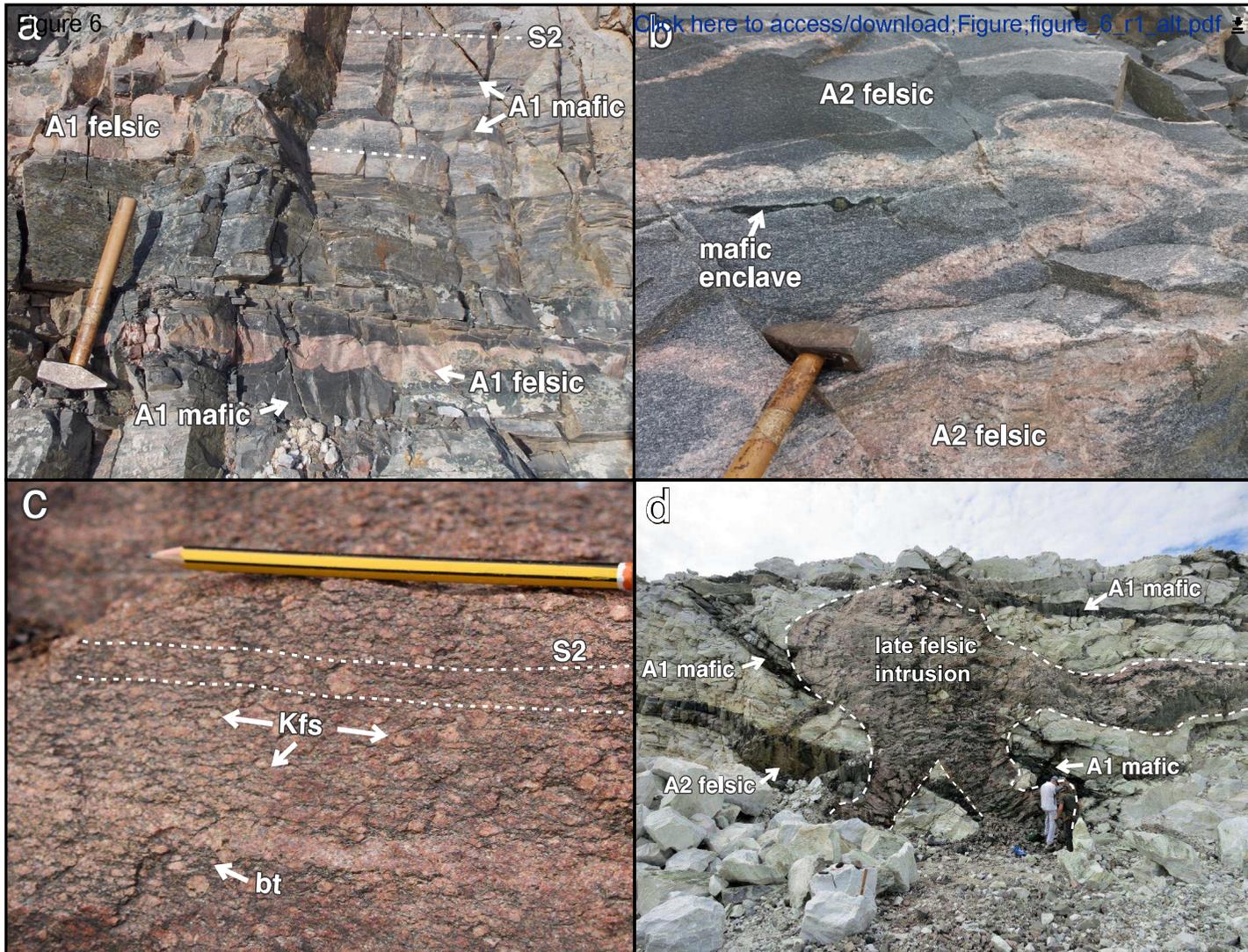
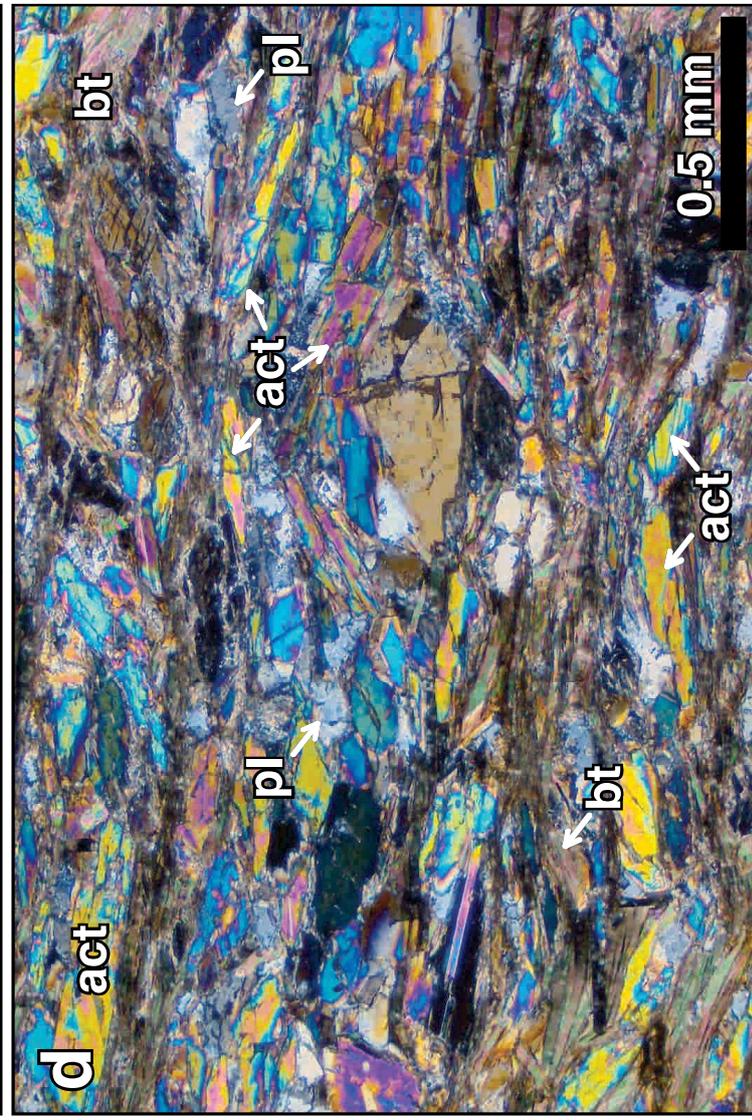
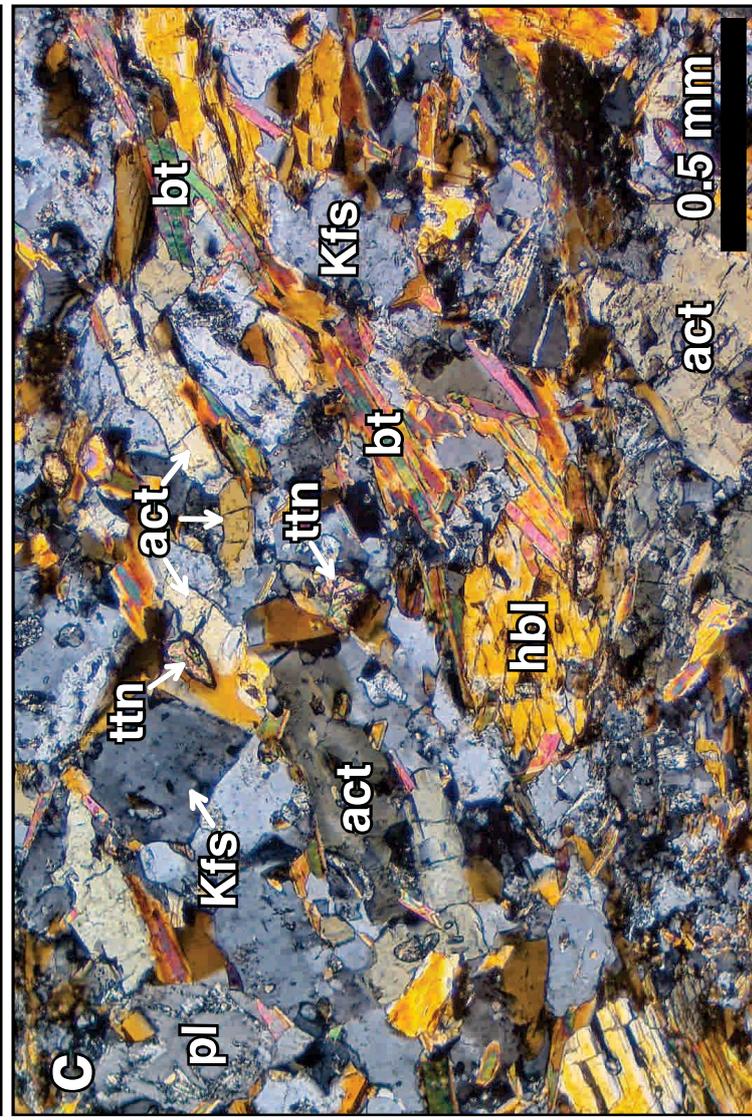
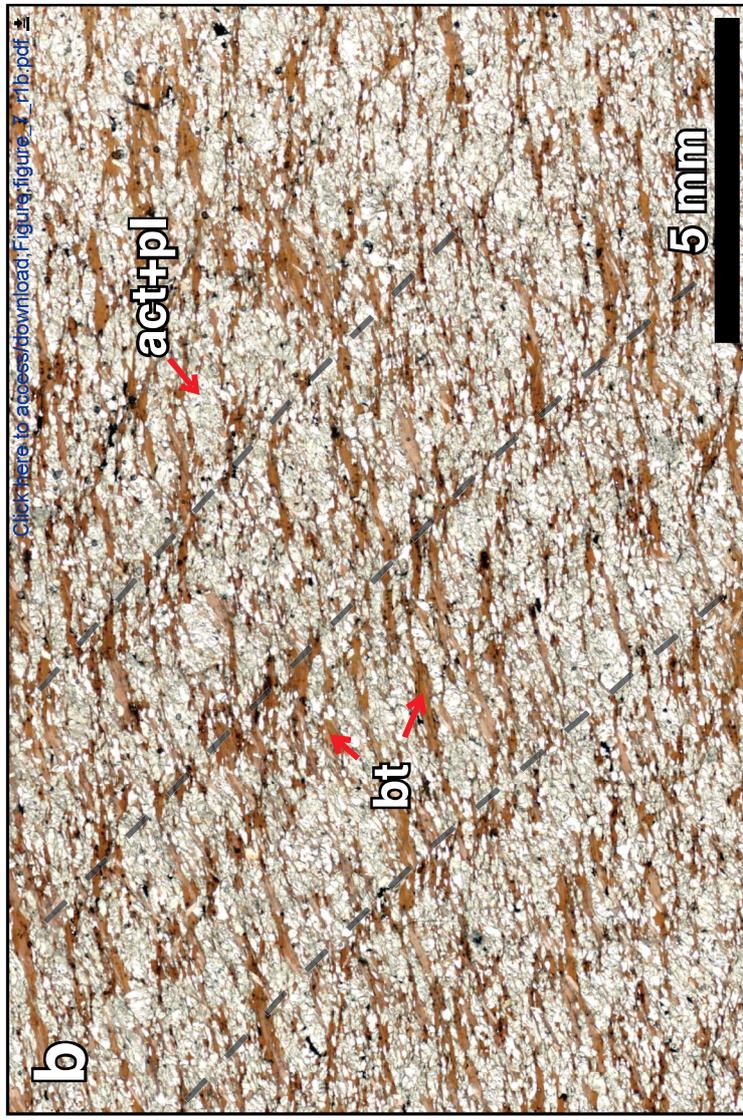
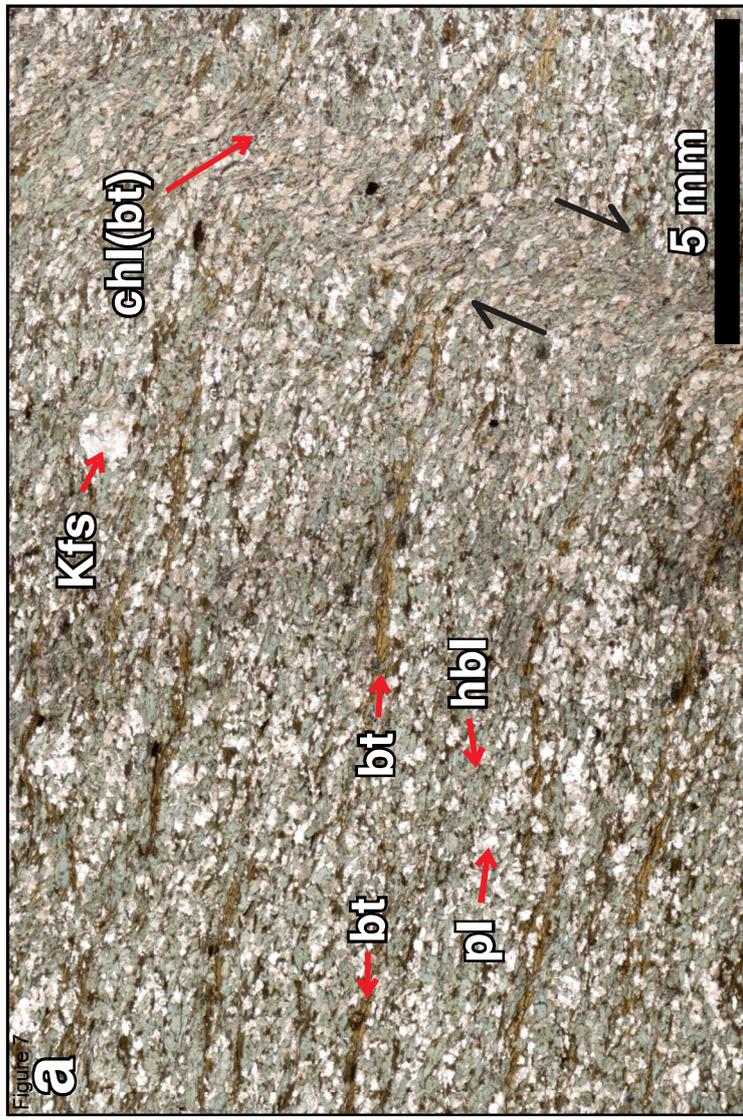


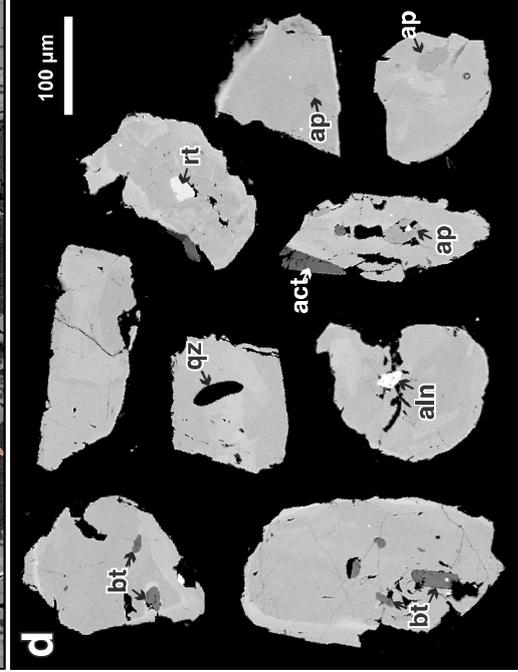
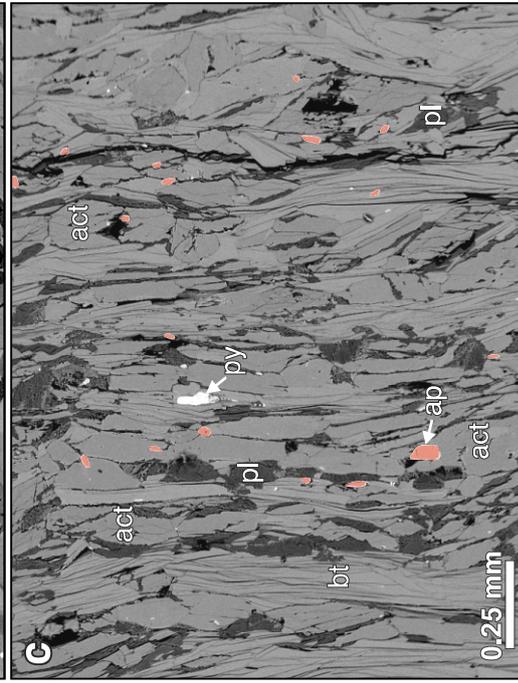
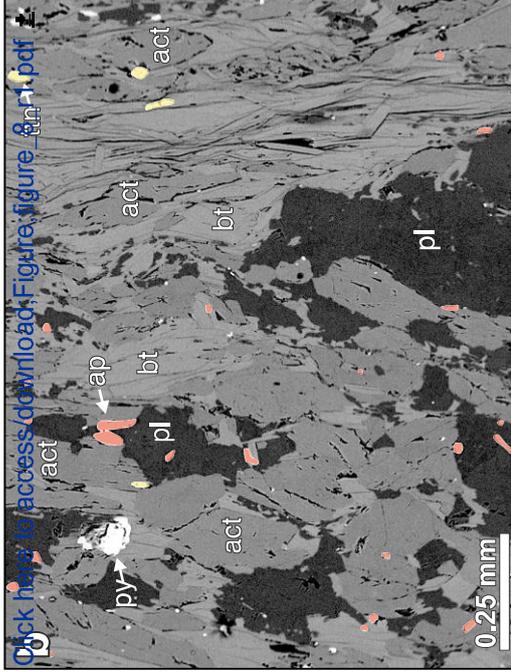
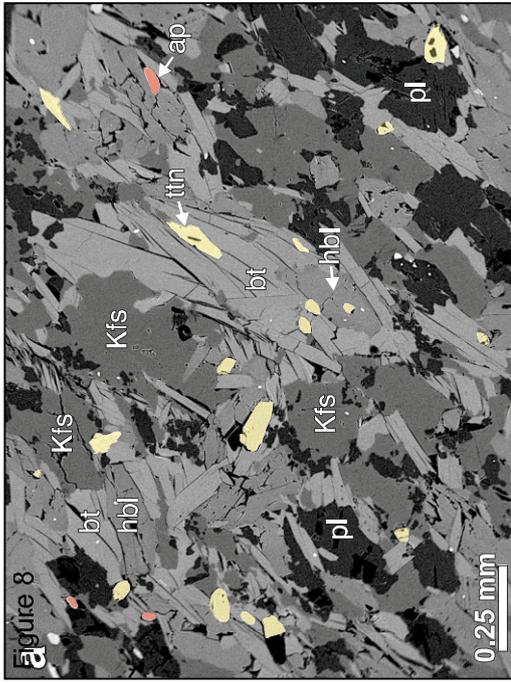
Figure 5



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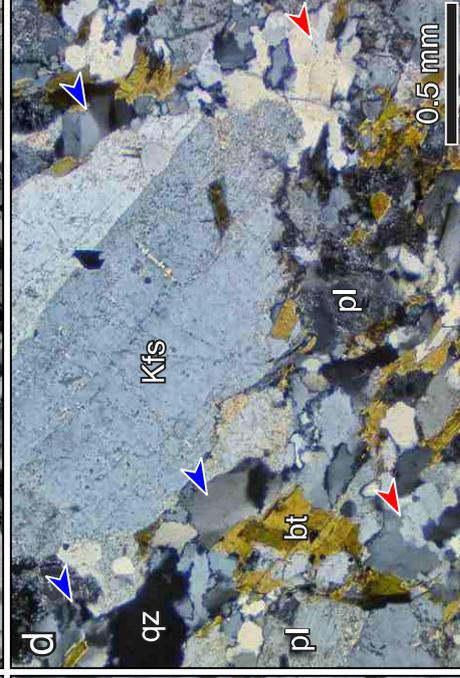
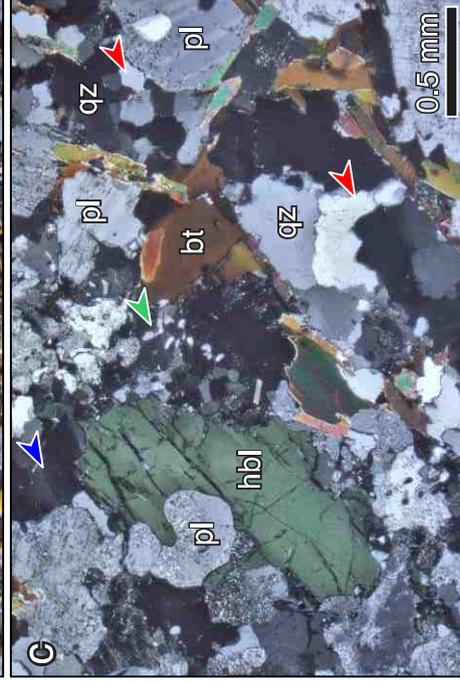
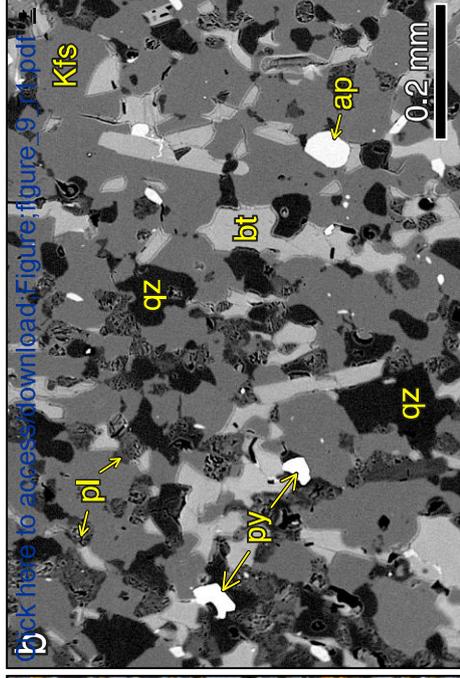
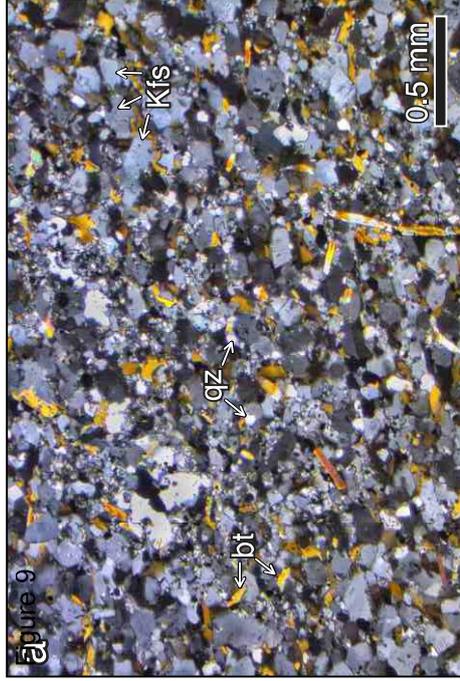






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Figure 9



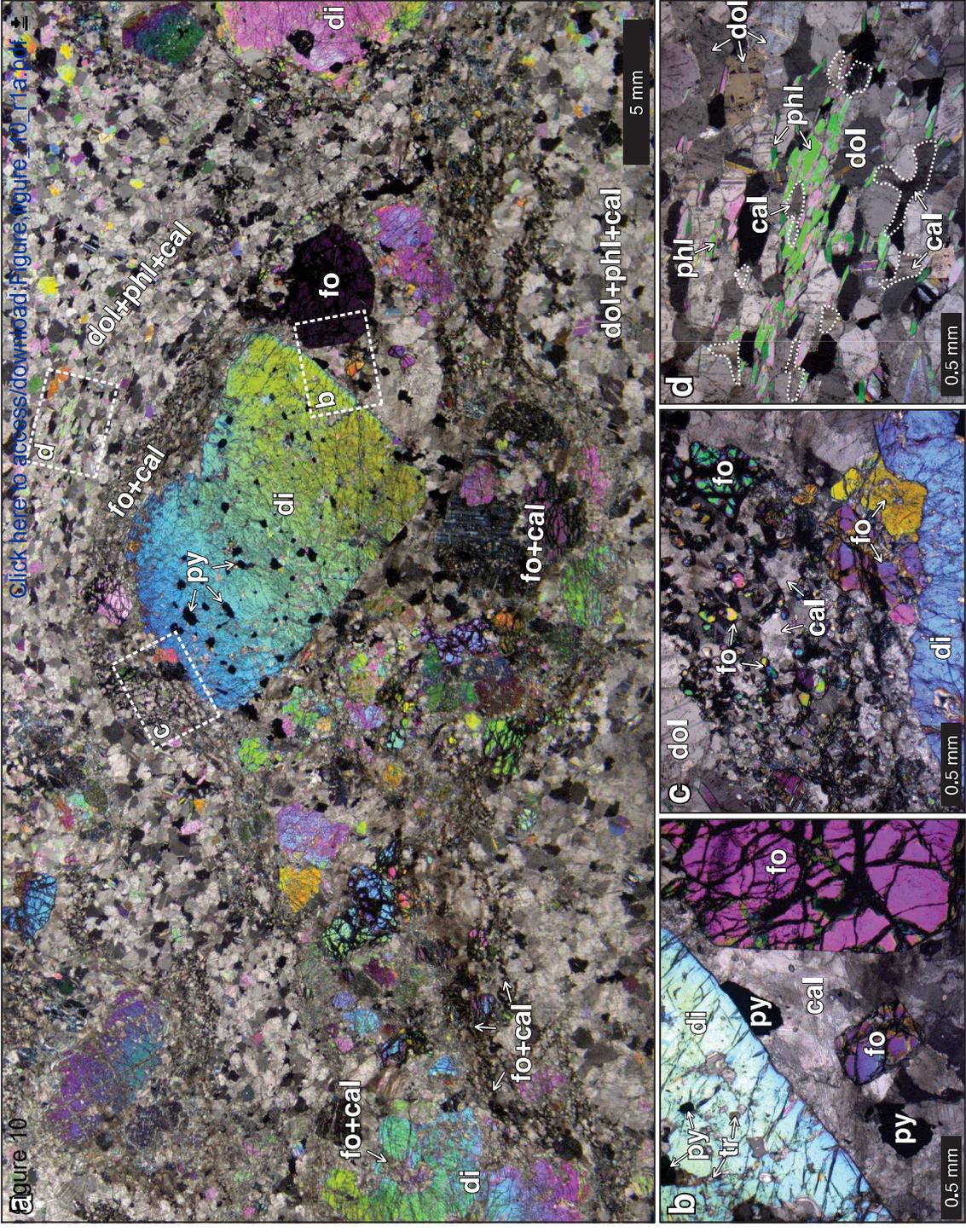
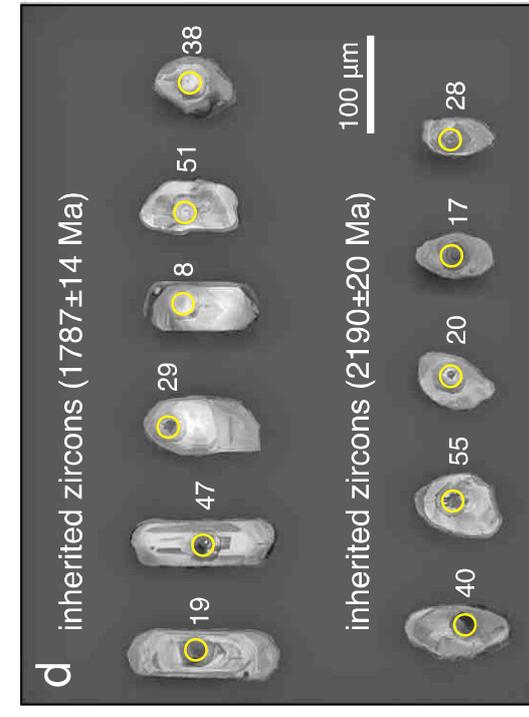
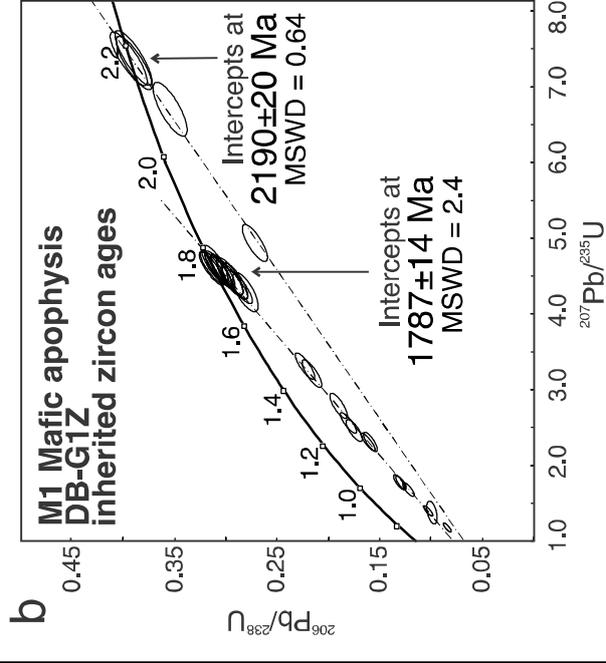
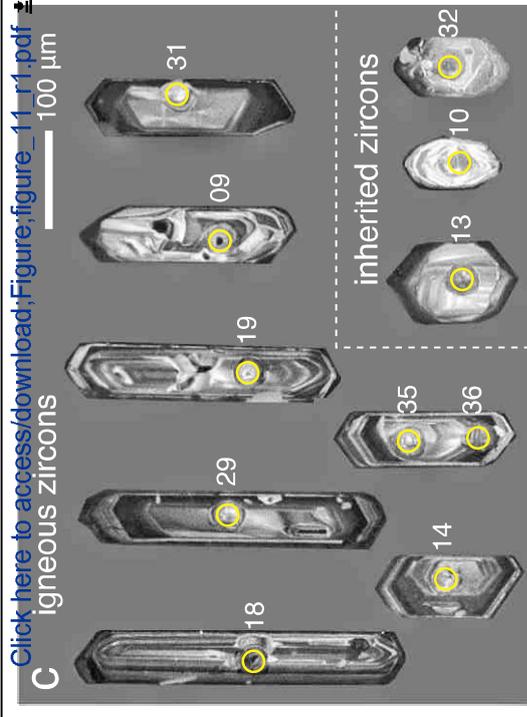
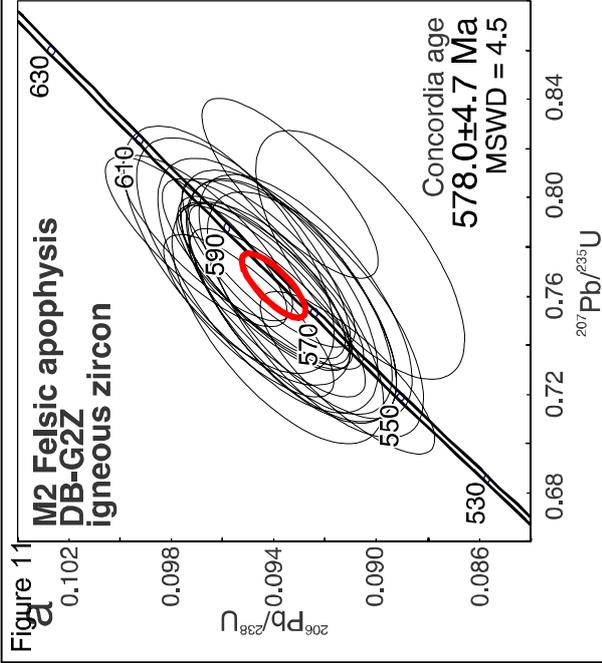


Figure 11



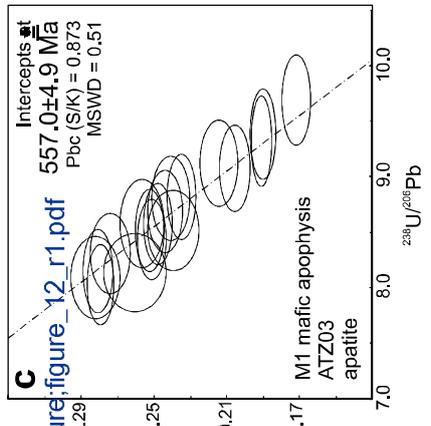
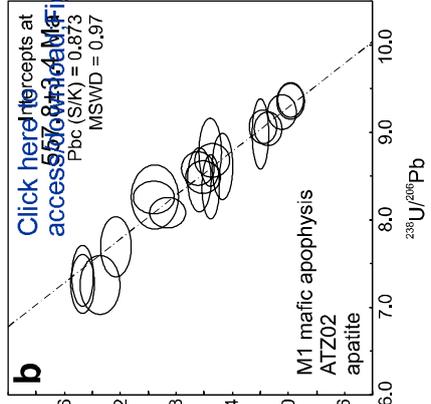
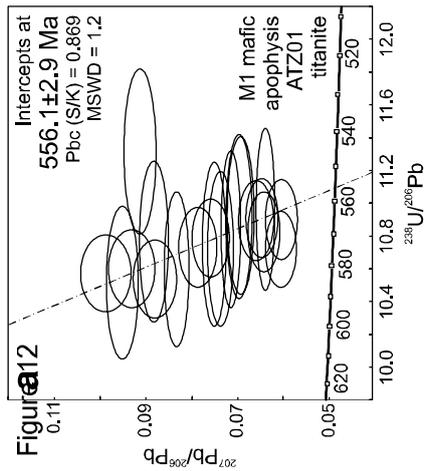
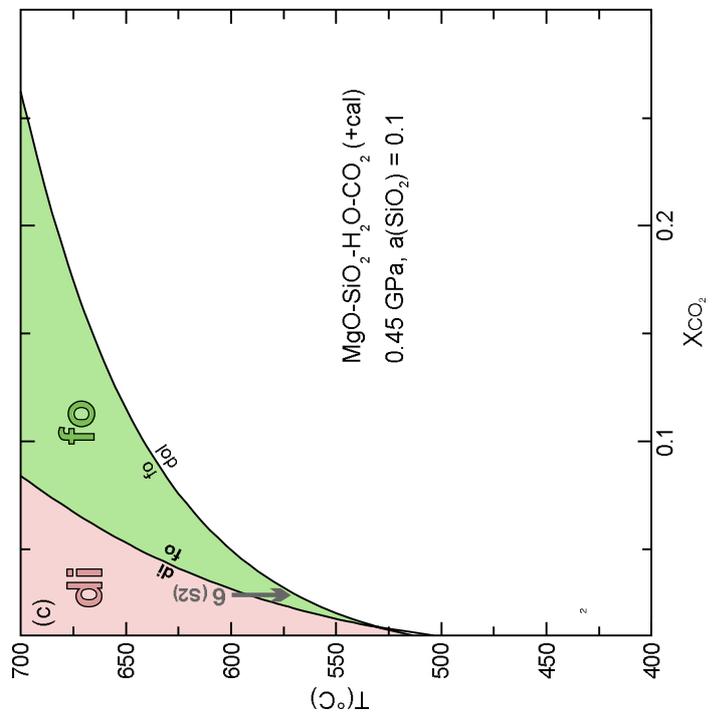
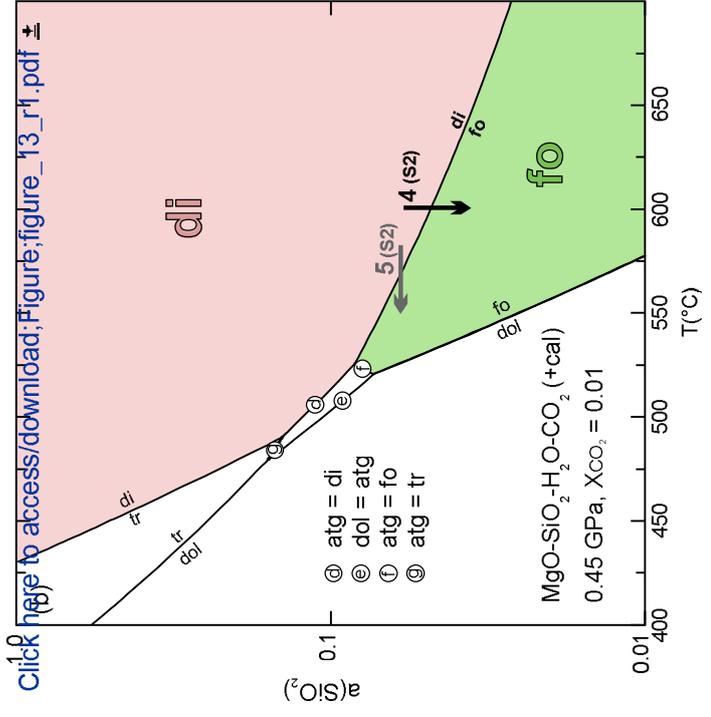
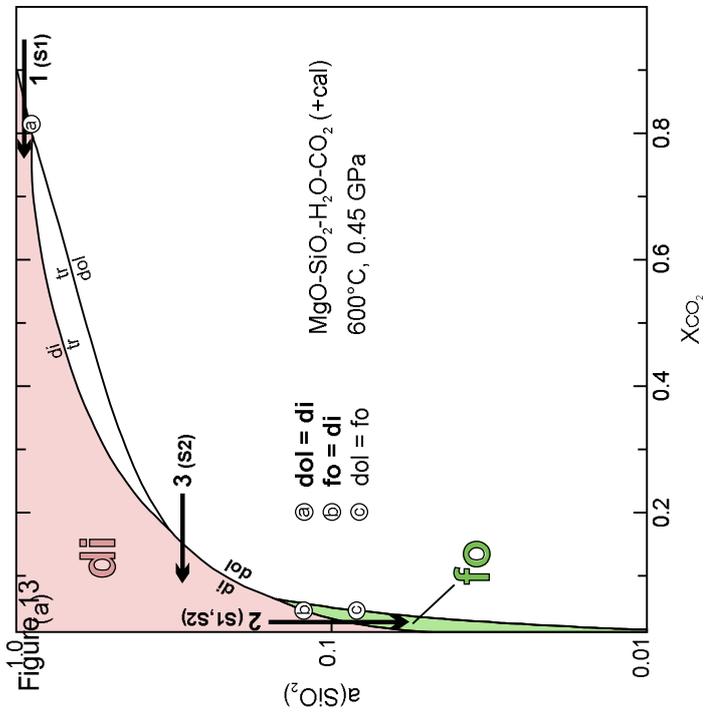
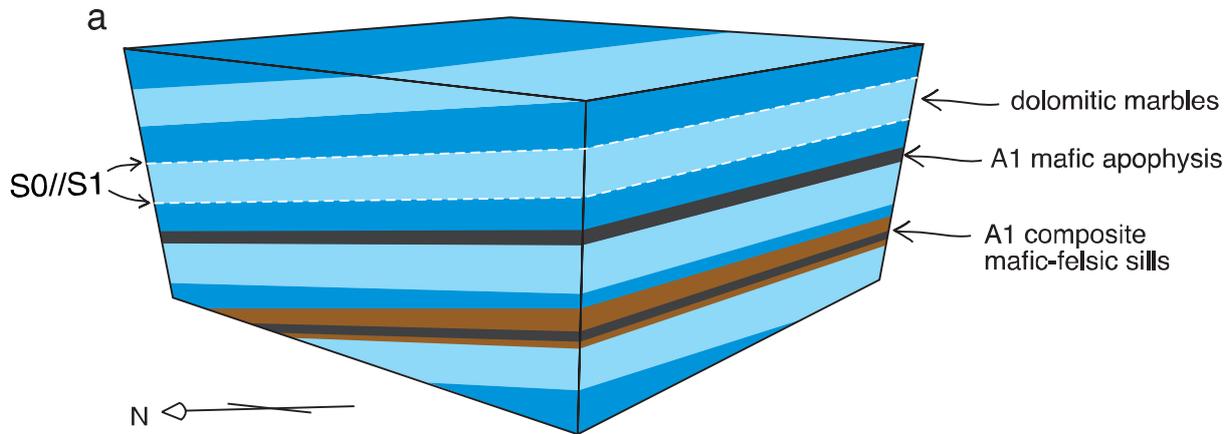


Figure 13'

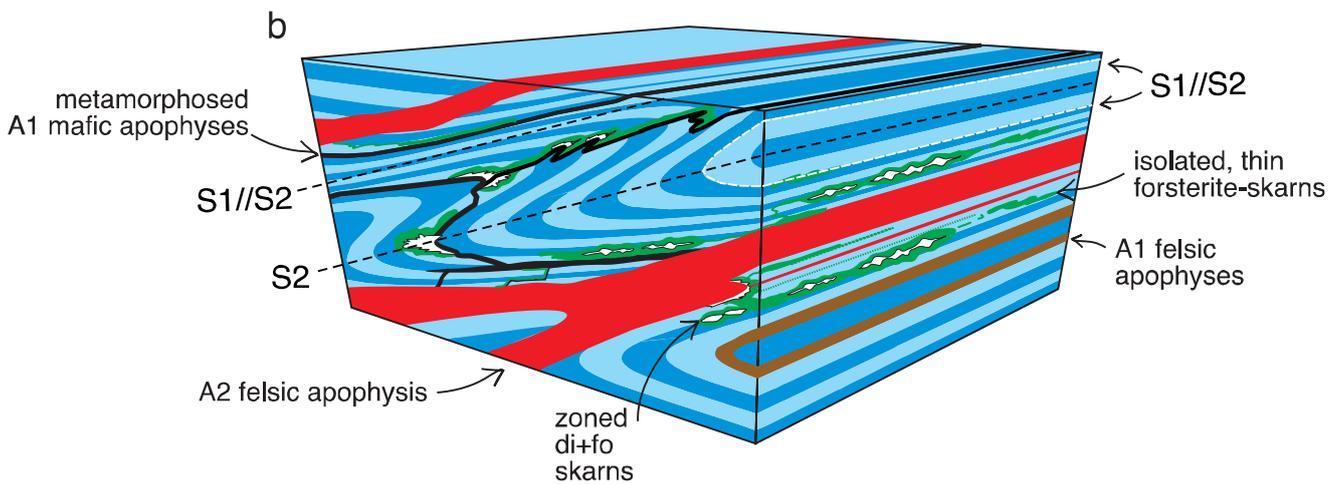


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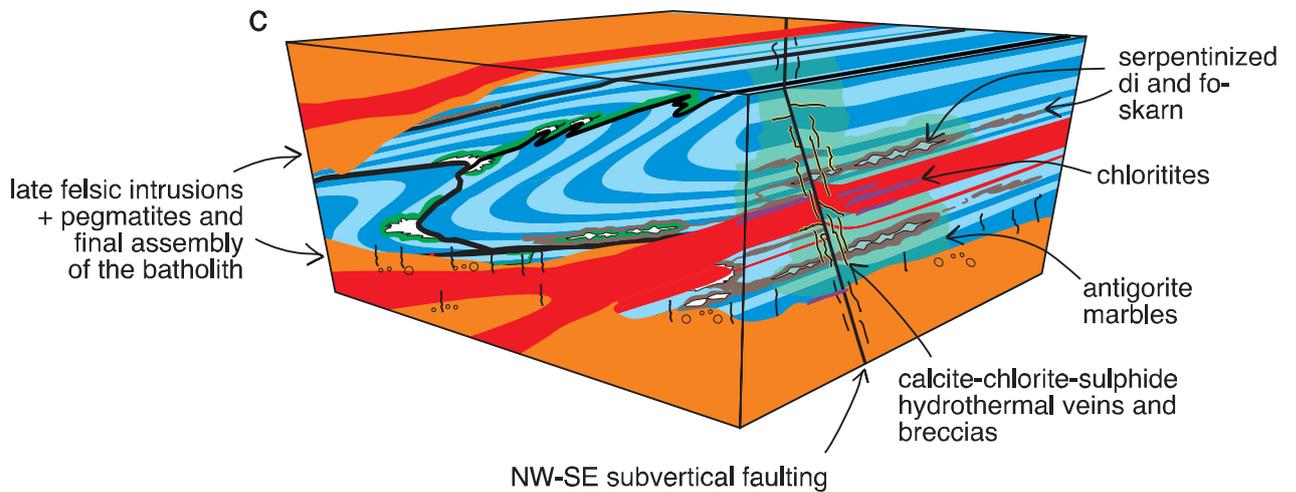
600-580 Ma - A1 mafic-felsic intrusions [here to access/download;Figure;figure_14_r1.pdf](#)

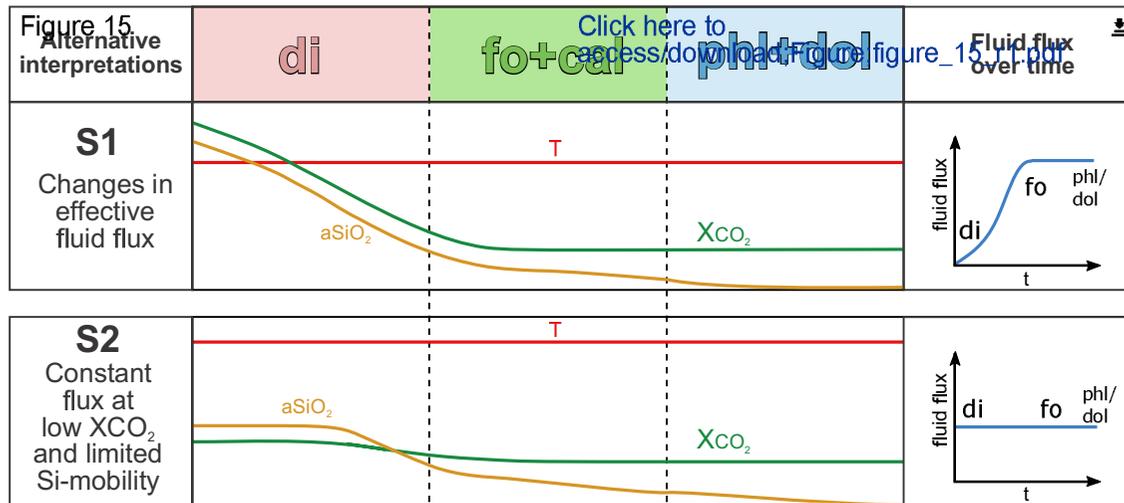


578 Ma - A2 synkinematic felsic intrusions - di-fo-skarns (~600°C)



557 Ma - late felsic intrusions - hydrothermalism (~300°C)





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**Supplementary material/Appendix (Files for online
publication only)**

Table S1 - U-Pb zircon - DB-G1Z - mafic apophysis
(M1).xls