**Table S1:** Summary of the petrography and mineralogy of the studied meta-mafic rock samples. Mineral abbreviations after Whitney & Evans (2010).

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| --- | --- | --- | --- | --- | --- |
| **Sample**  | **Rock type** | **Texture** | **Mineralogical composition/****association** | **Remarks** |  **Location** |
| R1 | garnet amphibolite | porphyroblastic  | Amp, Qz, Pl, Ep, Fe-Ti oxide, Ttn, Grt | Qz and Ep inclusions in Grt | N41º26’52.20’’E25º39’02.02’’ |
| R2 | banded amphibolite | schistose  | Amp, Pl, Ep, Ttn | Ep replaces Amp | N41º21’09.18’’E25º39’12.86’’ |
| R3 | massive amphibolite | granoblastic  | Pl, Amp, Qz, Ep, Ttn, Zrn | Ep replaces Amp and Pl | N41º19’39.20’’E25º38’08.18’’ |
| R4 | massive amphibolite | granoblastic  | Amp, Pl, Fe-Ti oxide, Qz, Rt, Zrn | preserved igneous grain shape | N41º18’21.57’’E25º19’38.21’’ |
| R5 | garnet amphibolite | porphyroblastic | Amp, Pl, Qz, Fe-Ti oxide, Ep, Grt, Ap, Chl, Cal | Chl replaces Amp, Pl altered to sossourite, secondary Cal | N41º26’00.75’’E25º42’26.21’’ |
| R6 | banded amphibolite | granoblastic  | Amp, Pl, Ep, Fe-Ti oxide, Zrn | Ep replaces Amp | N41º22’11.42’’E26º03’44.85’’ |
| R7 | banded amphibolite | schistose  | Amp, Pl, Ep, Qz, Ttn | Ep replaces Amp | N41º21’23.79’’E26º05’49.47’’ |
| R8 | massive amphibolite | schistose  | Amp, Pl, Ep, Ttn, Mt, Zrn | Pl contains Ep and Ttn inclusions, late Mt | N41º23’24.76’’E26º01’35.10’’ |
| R9 | garnet amphibolite | porphyroblastic | Amp, Ep, Qz, Grt, Fe-Ti oxide | Ep replaces Pl, Qz and Ep inclusions in Grt | N41º24’53.58’’E25º53’17.29’’ |
| R10 | dunite | mesh  | Ol, Fe-Ti oxide, Chr, Spl | Serpentine replaces Ol, Chr nodules | N41º18’11.83’’E25º42’45.14’’ |
| R11  | massive amphibolite | granoblastic  | Amp, Ep, Qz, Fe-Ti oxide | Ep replaces Amp | N41º23’39.92’’E25º35’25.37’’ |
| R12 | garnet amphibolite | porphyroblastic | Amp, Pl, Fe-Ti oxide, Qz, Rt, Ilm, Ep, Grt | Qz, Ep and Rt inclusions in Grt | N41º20’07.46’’E25º35’38.06’’ |
| R13 | massive amphibolite | granoblastic  | Amp, Pl, Qz, Ep, Ttn, Rt, Zrn | Ep replaces Amp | N41º19’25.31’’E25º40’50.73’’ |
| R14 | garnet amphibolite | porphyroblastic | Amp, Qz, Pl, Ep, Fe-Ti oxide, Ttn, Grt | Qz and Ep inclusions in Grt | N41º25’12.06’’E25º38’35.48’’ |
| R15 | garnet amphibolite | porphyroblastic | Amp, Pl, Fe-Ti oxide, Qz, Ttn, Ep, Grt | Mt inclusions in Grt | N41º24’39.00’’E25º35’23.62’’ |
| R16 | massive amphibolite | granoblastic | Amp, Pl, Ep, Fe-Ti oxide, Zrn | Ep replaces Amp | N41º21’25.87’’E26º11’35.51’’ |
| R17  | garnet amphibolite | porphyroblastic | Amp, Pl, Qz, Fe-Ti oxide, Grt, Ttn, Ep  | Pl, Qz, Mt, Chl, Ep inclusions in Grt | N41º17’30.01’’E26º05’26.09’’ |
| R18  | massive amphibolite | granoblastic | Amp, Pl, Qz, Fe-Ti oxide, Ep, Ttn, Ms  | Ep replaces Pl, Ap inclusions in Pl  | N41º19’02.90’’E26º28’05.99’’ |