



ESM3 - Microphotographs of the Karapınar-Karacadağ volcanic rocks: **a** - Opx + Cpx + Pl glomerocrysts in hypocrySTALLINE porphyritic A3 (Andesite-3); **b** - cloudy sieved plagioclase and pilotaxitic texture in A4 (Andesite-4); **c** - vitrophyric porphyritic texture in T (Trachyte); **d** - sieved plagioclase and biotite antecrysts in hypocrySTALLINE porphyritic B3 (Basalt-3); **e** - glomerocrysts and sieved plagioclase in B3; **f** - embayed quartz xenocrysts and sieved plagioclase in B3. Amp = amphibole; Bt = biotite; Cpx = clinopyroxene; Ol = olivine; ox = Fe-Ti oxide; opx=orthopyroxene; pl= plagioclase).