

Figure S1. Location of TEM profile. Right: Big scale of the location of the profile. The geologic units are the same of the Figure1, in the manuscript. Left: Zoom to the location of the profile. The marks with numbers represent some of the TEM array center. The geologic map behind, is obtain from R.Rauld 2011. The two scarp of the fault can be observe in Figure 4 of the manuscript, by a blue arrow.



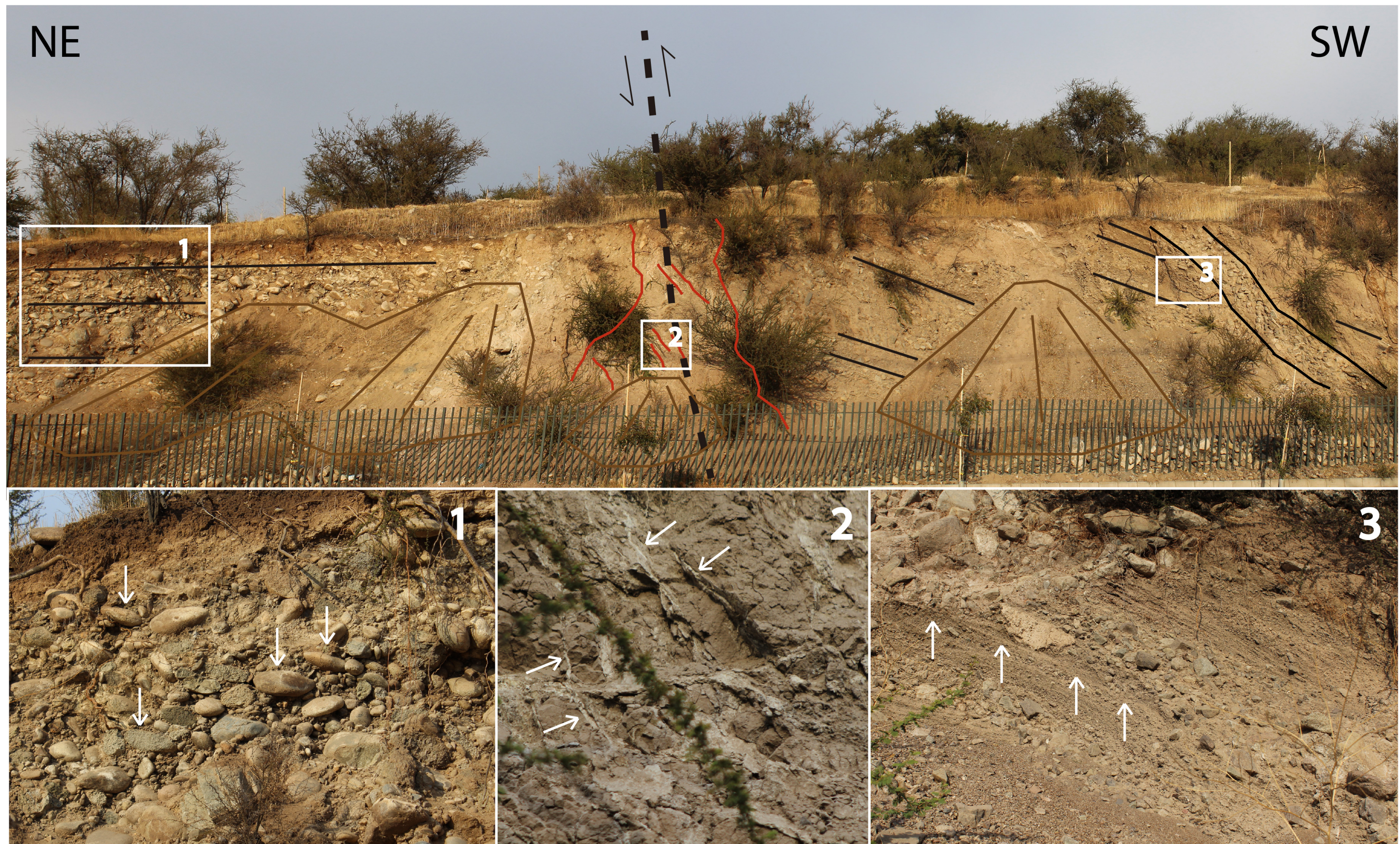


Figure S2. Up the Apoquindo hill outcrop in a better resolution image. Down: 1) The horizontal conglomerate strata with the arrows indicating the imbricated clast that suggest the horizontal attitude. 2) The fault core, mainly of fine soil cutted by white vein pointed by the arrows. 3) The tilting quaternary sediments, dipping againts the natural slope of the zone (sedimentary basin of Santiago has a westward dipping surface, and the rivers flow down from the East to the West).