## Supplementary Materials

68°25'0"W

67°20'0"W

69°30'0"W

70°35'0"W

CP3-Continental volcanic sequences

E2c-Volcano-sedimentary sequences

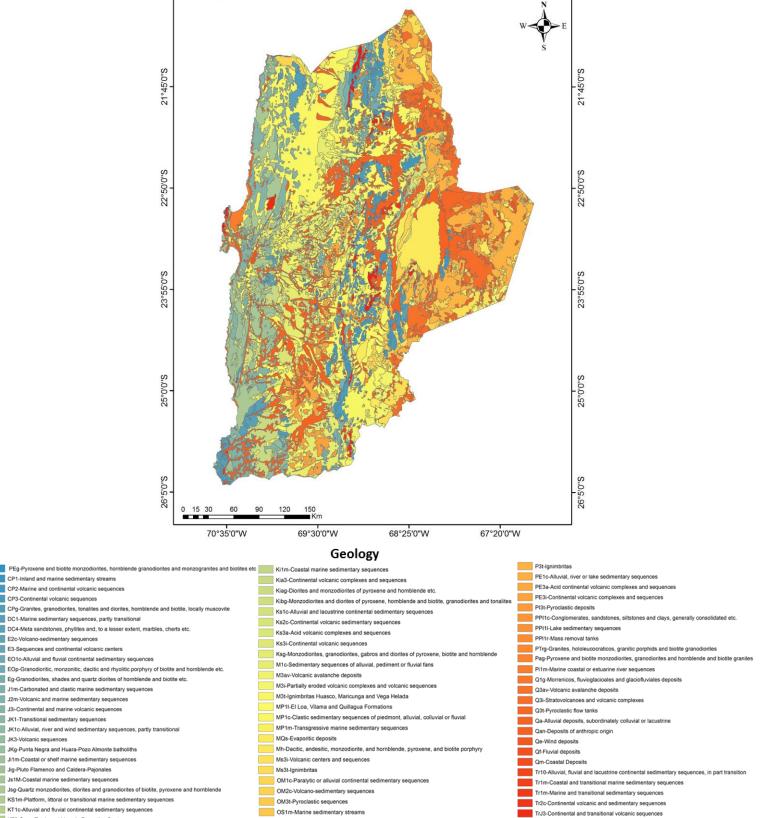
JK1-Transitional sedimentary sequences

Jig-Pluto Flamenco and Caldera-Pajonales

KT2-Cerro Totola and Venado Formation Strata

KTg-Granodiorites, diorites and granite porphyry

JK3-Volcanic sequences



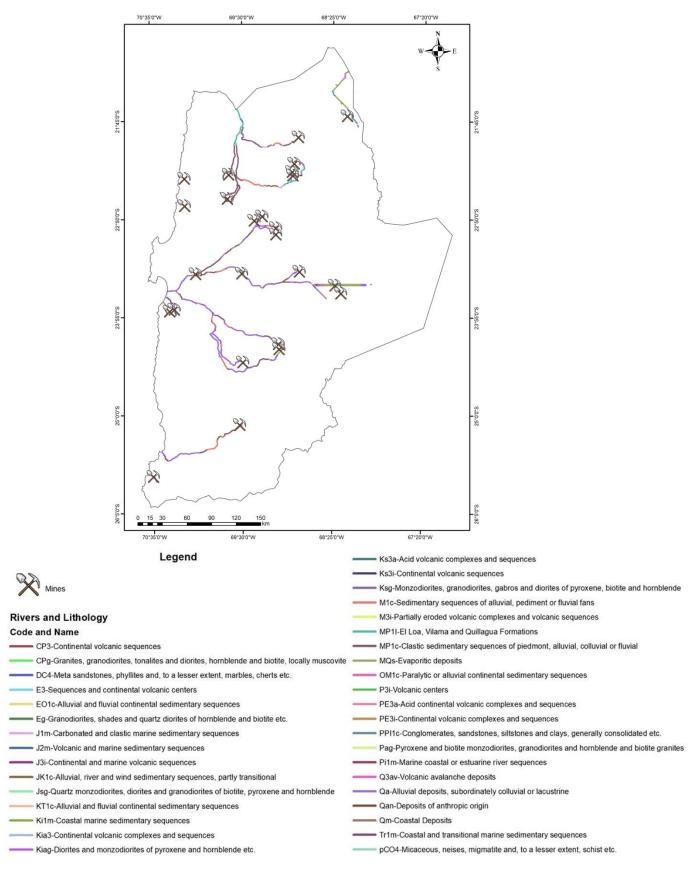
**Figure S1.** Geological map of the Antofagasta region.

OSg-Leukocratic granites and muscovite and biotite monzogranites, granodiorites etc.

Trg-Leukocratic granules, monzo and sienogranites of biotite and muscovite etc.

pCO4-Micaceous, neises, migmatite and, to a lesser extent, schist etc. pCP4-Micaceous schists, metabasites, amphibolites, ortoneises etc

OS3-Igneous and sedimentary complex of the Cordon de Lila



**Figure S2.** Map of mines and river divided by geological unit.