

Table S2. Physical and chemical characteristics of the soil from “El Alacrán” gold mine (n = 3).

Soil Properties					
Properties of Bioavailability		Texture		Metals(mg kg⁻¹) ± SD	
pH	3.67 ± 0.03	Sand (%)	27.5 ± 0.03	Cd	7.27 ± 0.1
OM (%)	1.54 ± 0.09	Clay (%)	4.4 ± 0.09	Pb	2.72 ± 0.4
CEC	13.1 ± 0.01	Silt (%)	68.1 ± 0.06	Hg	0.5 ± 0.01
Ca/Mg	0.6 ± 0.02	-	-	Ni	25.2 ± 0.5
Ca/K	2.5 ± 0.3	-	-	Fe	13.1 ± 0.2
Mg/K	3.9 ± 0.03	-	-	Mn	19.1 ± 0.7

OM (%): organic matter percentage; CEC: cation exchange capacity; Sand (%): sand percentage; Clay (%): clay percentage; Silt (%): silt percentage. Ca/Mg, Ca/K, Mg/K: Cation ratios.