

Figure S.- DRX pattern of samples in the DAS-Ca: **S1** (Ca2, 7.5 cm); **S2** (Ca3, 8.5 cm); **S3** (Ca4, 10 cm); **S4** (Ca5, 15 cm) and DAS-Mg: **S5** (Mg2, 12 cm), as well as **S6** (Pindo, drain-sand of the bottom columns), showing the main mineral phases identified* and their correlation with the patterns obtained from database by Match. Mineral symbol according to IMA–CNMNC (Warr, 2021). * Semiquantitative results have been improved by Rietveld refinement (See Table 3).





