

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: LA-ICPMS trace metal abundances of pyrite.

File Name: Supplementary Data 2

Description: Sulphur content.

File Name: Supplementary Data 3

Description: Bulk sulphur isotope analyses.

File Name: Supplementary Data 4

Description: SHRIMP-SI in situ multiple sulphur isotopic compositions (all analyses are pyrite except where indicated).