

Supplementary Table 3. C and O isotope compositions (CO_3)-group of meionite from scapolite rocks as well as calcite from garnet marbles (skarn?) and recrystallized marly limestones.

Sample	Mineral	Mineral content in bulk sample (wt%, XRD data)	$\delta^{13}\text{C}_{\text{V-PDB}}, \text{\textperthousand}$	$\delta^{18}\text{O}_{\text{V-SMOW}}, \text{\textperthousand}$
Recrystallized marly limestones				
PK-3-7A	Calcite	63	-5.3	+19.3
PK-14-2	Calcite	30	-1.9	+18.9
PK-18-1	Calcite	86	-1.2	+20.4
PK-18-1	Calcite	100	-1.6	+20.6
Scapolite rocks				
PK-8-1	Meionite	100	-0.9	+17.2
PK-8-1	Meionite ¹	100	-1.2	+17.0
PK-10-2	Meionite	100	-0.4	+17.3
PK-10-2	Meionite ¹	100	-0.5	+17.0
Garnet marbles (skarn?)				
PT-111	Calcite	80	-0.7	+23.6
PT-111	Calcite	100	-0.6	+23.7
PT-112	Calcite	73	-0.7	+23.5
PT-112	Calcite	100	-2.8	+22.0

Note. ¹, average by 4 analyses. Analyses were carried out at the Analytical Center for multi-elemental and isotope research SB RAS.