

## **Supplementary Read-Me File: Instructions for Supplementary Table 4**

### **An evolutionary system of mineralogy, Part VIII: The evolution of the metamorphic minerals**

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Supplementary Table 4 is an csv file that records the frequency of coexistence of 94 of the most commonly encountered metamorphic minerals. This file is thus a diagonally-symmetric 94 x 94 matrix.

Column A and Row 1 indicate the 94 names of metamorphic mineral kinds listed in alphabetical order.

In this matrix, diagonal elements indicate the total number of occurrences of the mineral: thus, matrix element B2 reveals that the mineral *actinolite* occurs in 74 modes in Supplementary Table 3. Off-diagonal matrix elements indicate the number of rocks in which pairs of minerals coexist. Thus, matrix element D2 reveals that *actinolite* and *albite* coexist in 20 rocks in Supplementary Table 3. Similarly, matrix element J2 indicates that *actinolite* and *anthophyllite* were not reported to coexist in any of the 2785 rocks tabulated in Supplementary Table 3.