

SUPPLEMENTARY TABLE 2. THE UNIT-CELL DIMENSIONS OF THE FELDSPARS PRESENT  
IN SAMPLES OF TYPE-II PEGMATITE DIKES INVESTIGATED BY XRD (POWDER DIFFRACTION)

| Sample | Mineral | <i>a</i> (Å) | <i>b</i> (Å) | <i>c</i> (Å) | $\alpha$ (°) | $\beta$ (°) | $\gamma$ (°) | <i>V</i> (Å <sup>3</sup> ) | wt. % |
|--------|---------|--------------|--------------|--------------|--------------|-------------|--------------|----------------------------|-------|
| C-39   | Or      | 8.5835       | 12.9935      | 7.2021       |              | 116.026     |              | 721.79                     | 61.5  |
|        |         | 0.0003       | 0.0004       | 0.0002       |              | 0.002       |              | 0.04                       | 0.4   |
|        | Mcc     | 8.5800       | 12.9721      | 7.2262       | 90.683       | 116.026     | 87.716       | 722.14                     | 14.1  |
|        |         | 0.0014       | 0.0019       | 0.0011       | 0.019        | 0.013       | 0.014        | 0.21                       | 0.4   |
|        | Ab      | 8.1399       | 12.7887      | 7.1579       | 94.259       | 116.602     | 87.749       | 664.39                     | 21.6  |
| 24004  | Or      | 0.0004       | 0.0005       | 0.0003       | 0.005        | 0.003       | 0.004        | 0.05                       | 0.3   |
|        |         | 8.5828       | 12.9965      | 7.2010       |              | 116.030     |              | 721.77                     | 22.5  |
|        | Mcc     | 0.0004       | 0.0006       | 0.0006       |              | 0.005       |              | 0.08                       | 0.4   |
|        |         | 8.5745       | 12.9983      | 7.1995       | 90.197       | 116.008     | 89.347       | 721.10                     | 38.6  |
|        | Ab      | 0.0004       | 0.0003       | 0.0002       | 0.004        | 0.003       | 0.005        | 0.05                       | 0.8   |
| 21010  | Mcc     | 8.1444       | 12.8006      | 7.1577       | 94.237       | 116.623     | 87.886       | 665.26                     | 24.1  |
|        |         | 0.0003       | 0.0005       | 0.0002       | 0.004        | 0.003       | 0.006        | 0.05                       | 0.4   |
|        | Ab      | 8.5786       | 12.9707      | 7.2248       | 90.616       | 115.967     | 87.750       | 722.18                     | 23.8  |
|        |         | 0.0006       | 0.0009       | 0.0002       | 0.006        | 0.003       | 0.007        | 0.07                       | 0.3   |
|        | Ab      | 8.1447       | 12.7934      | 7.1612       | 94.247       | 116.605     | 87.735       | 665.32                     | 57.7  |
| 21002  | Mcc     | 0.0002       | 0.0002       | 0.0001       | 0.002        | 0.002       | 0.002        | 0.03                       | 0.3   |
|        |         | 8.5750       | 12.9676      | 7.2224       | 90.635       | 115.966     | 87.726       | 721.46                     | 64.1  |
|        | Ab      | 0.0002       | 0.0002       | 0.0001       | 0.002        | 0.002       | 0.002        | 0.02                       | 0.3   |
|        |         | 8.1413       | 12.7892      | 7.1597       | 94.241       | 116.597     | 87.726       | 664.74                     | 22.8  |
|        | Mcc     | 0.0003       | 0.0004       | 0.0002       | 0.004        | 0.004       | 0.004        | 0.04                       | 0.3   |
| 21009  | Mcc     | 8.5766       | 12.9741      | 7.2220       | 90.629       | 116.007     | 87.687       | 721.64                     | 4.9   |
|        |         | 0.0007       | 0.0011       | 0.0004       | 0.012        | 0.006       | 0.010        | 0.10                       | 1.8   |
|        | Ab      | 8.1435       | 12.7961      | 7.1589       | 94.246       | 116.602     | 87.775       | 665.18                     | 85.2  |
|        |         | 0.0002       | 0.0002       | 0.0001       | 0.001        | 0.001       | 0.001        | 0.02                       | 0.3   |

The overall goodness of fit ( $n = 5$ ) is 4.96%. The wt. % value refers to the proportion of that mineral in the hand-picked sample that was scanned. The proportion of the other minerals present in those samples is listed in Table 1. Mineral symbols: Or: orthoclase, Mcc: microcline, Ab: albite.