Supplementary table: Ti content in zircon thermometry

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Pb206/U238\*** | **1s** | **Si29** | **Ti49** | **Watson et al. (2006)** | **Fu et al. (2007)** |
|  |  |  |  |  |  | **aTiO2** |
|  |  |  |  |  |  | **0.8** | **0.7** | **0.6** | **0.15** |
| Domain 2 | 531.9 | 7.12 | 153225.2 | 6.6 | 705.72 | 728.14 | 740.39 | 467.39 | 907.07 |
|  | 538.3 | 5.37 | 153225.2 | 5.47 | 690.58 | 711.39 | 723.24 | 450.24 | 883.88 |
|  | 539.7 | 7.78 | 153225.2 | 5.56 | 691.88 | 712.83 | 724.71 | 451.71 | 885.86 |
|  | 555.1 | 7.23 | 153225.2 | 7.64 | 717.85 | 741.59 | 754.18 | 481.18 | 925.80 |
|  | 559.9 | 4.92 | 153225.2 | 7.12 | 711.97 | 735.06 | 747.49 | 474.49 | 916.71 |
|  | 593.1 | 8.75 | 153225.2 | 9.04 | 732.18 | 757.50 | 770.49 | 497.49 | 948.09 |
|  | 598.6 | 7.78 | 153225.2 | 7.03 | 710.92 | 733.89 | 746.29 | 473.29 | 915.08 |
|  | 607.1 | 4.59 | 153225.2 | 6.97 | 710.21 | 733.11 | 745.49 | 472.49 | 913.99 |
|  | 608.5 | 6.07 | 153225.2 | 7.55 | 716.86 | 740.48 | 753.05 | 480.05 | 924.26 |
|  | 610.9 | 4.51 | 153225.2 | 7.87 | 720.35 | 744.36 | 757.02 | 484.02 | 929.67 |
|  |  |  |  |  |  |  |  |  |  |
| Domain 4 | 524 | 3.53 | 153225.2 | 9.26 | 734.26 | 759.82 | 772.87 | 788.35 | 951.34 |
|  | 530.6 | 8.31 | 153225.2 | 5.9 | 696.62 | 718.07 | 730.08 | 744.32 | 893.11 |
|  | 530.8 | 10.97 | 153225.2 | 6.14 | 699.84 | 721.63 | 733.73 | 748.06 | 898.04 |
|  | 534.3 | 5.8 | 153225.2 | 4.69 | 678.52 | 698.09 | 709.61 | 723.27 | 865.54 |
|  | 551.7 | 6.04 | 153225.2 | 4.81 | 680.48 | 700.25 | 711.83 | 725.54 | 868.51 |
|  | 553.4 | 6.63 | 153225.2 | 9.46 | 736.12 | 761.88 | 774.99 | 790.53 | 954.24 |
|  | 555.3 | 3.73 | 153225.2 | 8.24 | 724.24 | 748.68 | 761.44 | 776.59 | 935.71 |
|  | 555.5 | 4.27 | 153225.2 | 11.32 | 751.99 | 779.58 | 793.13 | 809.23 | 979.20 |
|  | 556.2 | 4 | 153225.2 | 7.77 | 719.27 | 743.16 | 755.79 | 770.77 | 928.00 |
|  | 557.5 | 8.43 | 153225.2 | 5.82 | 695.53 | 716.86 | 728.84 | 743.04 | 891.44 |
|  | 557.7 | 5.79 | 153225.2 | 5.65 | 693.16 | 714.24 | 726.16 | 740.28 | 887.81 |
|  | 558.8 | 4.5 | 153225.2 | 4.05 | 667.30 | 685.73 | 696.96 | 710.26 | 848.59 |
|  | 559.5 | 5.12 | 153225.2 | 5.12 | 685.36 | 705.63 | 717.34 | 731.21 | 875.92 |
|  | 565.5 | 8.52 | 153225.2 | 5.64 | 693.01 | 714.08 | 726.00 | 740.11 | 887.59 |
|  | 582.1 | 6.74 | 153225.2 | 34.1 | 861.63 | 903.09 | 920.04 | 940.23 | 1157.98 |
|  | 583.1 | 6.6 | 153225.2 | 10.71 | 747.04 | 774.05 | 787.47 | 803.39 | 971.39 |
|  | 605.3 | 4.32 | 153225.2 | 6.04 | 698.51 | 720.16 | 732.22 | 746.52 | 896.01 |
|  | 610.9 | 6.39 | 153225.2 | 6.58 | 705.47 | 727.86 | 740.11 | 754.63 | 906.69 |

\*After Dharmapriya et al. (2016)