附表1 戴家坪组第12层样品（TY-U-01）碎屑锆石U-Pb同位素分析结果

Table 1 Detrital zircons U-Pb isotopic results of theTY-U-01in the Daijiaping Formation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 样品号 | 元素 | 同位素比值 | 年龄（Ma） | 谐和度 |
| Pb（10-6） | Th（10-6） | U（10-6） | Th/U | 207Pb/206Pb | 1*σ*  | 206Pb/238U | 1*σ* | 207Pb/206Pb | 1*σ* | 206Pb/238U | 1*σ* |
| TY-U-01-02 | 33.59 | 48.59 | 422.73 | 0.11 | 0.054 78 | 0.002 36 | 0.064 82 | 0.001 17 | 466.7  | 98.1  | 404.9 | 7.1 | 99% |
| TY-U-01-04 | 249.61 | 761.81 | 1 919.29 | 0.40 | 0.056 92 | 0.001 61 | 0.069 02 | 0.000 63 | 487.1  | 58.3  | 430.2 | 3.8 | 97% |
| TY-U-01-06 | 305.34 | 679.78 | 806.52 | 0.84 | 0.075 37 | 0.005 05 | 0.135 95 | 0.001 49 | 1 079.6  | 135.2  | 821.7 | 8.5 | 90% |
| TY-U-01-09 | 249.49 | 382.33 | 779.38 | 0.49 | 0.065 11 | 0.001 86 | 0.146 68 | 0.001 28 | 788.9  | 60.0  | 882.3 | 7.2 | 97% |
| TY-U-01-13 | 240.14 | 601.94 | 312.91 | 1.92 | 0.065 00 | 0.003 37 | 0.124 11 | 0.001 72 | 775.9  | 109.3  | 754.2 | 9.9 | 99% |
| TY-U-01-15 | 199.96 | 732.85 | 1 181.56 | 0.62 | 0.053 61 | 0.001 53 | 0.069 01 | 0.000 69 | 353.8  | 58.3  | 430.2 | 4.2 | 97% |
| TY-U-01-17 | 588.58 | 450.62 | 867.47 | 0.52 | 0.106 11 | 0.002 31 | 0.303 34 | 0.002 74 | 1 800.0  | 39.4  | 1 707.8 | 13.6 | 98% |
| TY-U-01-20 | 361.89 | 603.74 | 809.18 | 0.75 | 0.071 25 | 0.001 99 | 0.148 24 | 0.001 55 | 964.8  | 57.4  | 891.1 | 8.7 | 97% |
| TY-U-01-22 | 566.83 | 318.25 | 513.37 | 0.62 | 0.169 23 | 0.004 53 | 0.447 14 | 0.003 68 | 2 550.3  | 44.3  | 2 382.5 | 16.4 | 95% |
| TY-U-01-24 | 193.30 | 1 393.18 | 2 178.00 | 0.64 | 0.052 71 | 0.001 55 | 0.036 36 | 0.000 40 | 316.7  | 63.9  | 230.2 | 2.5 | 96% |
| TY-U-01-26 | 345.26 | 606.83 | 1 110.48 | 0.55 | 0.067 92 | 0.002 30 | 0.140 21 | 0.001 60 | 864.8  | 102.8  | 845.9 | 9.1 | 99% |
| TY-U-01-28 | 263.75 | 820.55 | 1 279.40 | 0.64 | 0.064 13 | 0.002 12 | 0.084 90 | 0.000 97 | 746.3  | 69.3  | 525.3 | 5.7 | 91% |
| TY-U-01-30 | 362.76 | 686.63 | 854.13 | 0.80 | 0.071 42 | 0.003 05 | 0.143 24 | 0.002 12 | 968.5  | 87.0  | 862.9 | 12.0 | 96% |
| TY-U-01-32 | 159.52 | 607.96 | 1 181.77 | 0.51 | 0.053 43 | 0.002 16 | 0.071 40 | 0.001 00 | 346.4  | 90.7  | 444.6 | 6.0 | 96% |
| TY-U-01-36 | 378.76 | 724.76 | 1 003.41 | 0.72 | 0.066 40 | 0.002 46 | 0.131 68 | 0.001 40 | 820.4  | 77.8  | 797.4 | 8.0 | 98% |
| TY-U-01-38 | 72.40 | 245.96 | 475.18 | 0.52 | 0.056 74 | 0.002 46 | 0.069 39 | 0.000 91 | 479.7  | 96.3  | 432.5 | 5.5 | 98% |
| TY-U-01-40 | 210.88 | 509.52 | 327.96 | 1.55 | 0.066 56 | 0.002 17 | 0.126 81 | 0.001 43 | 833.3  | 73.1  | 769.6 | 8.2 | 97% |
| TY-U-01-42 | 198.80 | 264.95 | 442.15 | 0.60 | 0.070 72 | 0.002 15 | 0.148 36 | 0.001 65 | 950.0  | 61.1  | 891.8 | 9.3 | 97% |
| TY-U-01-44 | 87.35 | 164.42 | 212.64 | 0.77 | 0.068 08 | 0.002 61 | 0.142 90 | 0.001 64 | 872.2  | 79.6  | 861.1 | 9.2 | 99% |
| TY-U-01-48 | 239.13 | 908.78 | 1 184.88 | 0.77 | 0.054 13 | 0.001 57 | 0.069 65 | 0.000 80 | 376.0  | 64.8  | 434.1 | 4.8 | 98% |
| TY-U-01-50 | 216.14 | 393.55 | 588.95 | 0.67 | 0.065 69 | 0.002 00 | 0.137 26 | 0.001 46 | 798.2  | 63.7  | 829.2 | 8.3 | 99% |
| TY-U-01-52 | 168.23 | 324.00 | 374.82 | 0.86 | 0.065 12 | 0.001 89 | 0.140 44 | 0.001 33 | 788.9  | 61.1  | 847.1 | 7.5 | 98% |
| TY-U-01-54 | 262.72 | 1 068.87 | 1 188.36 | 0.90 | 0.054 38 | 0.001 64 | 0.067 53 | 0.000 75 | 387.1  | 68.5  | 421.3 | 4.5 | 99% |
| TY-U-01-56 | 230.57 | 827.95 | 1 281.14 | 0.65 | 0.054 97 | 0.001 60 | 0.069 20 | 0.000 76 | 409.3  | 64.8  | 431.3 | 4.6 | 99% |
| TY-U-01-58 | 198.05 | 310.96 | 735.76 | 0.42 | 0.064 03 | 0.001 62 | 0.135 05 | 0.001 26 | 742.6  | 53.7  | 816.6 | 7.2 | 98% |
| TY-U-01-60 | 117.13 | 697.89 | 1 407.27 | 0.50 | 0.051 13 | 0.001 65 | 0.038 70 | 0.000 45 | 255.6  | 74.1  | 244.8 | 2.8 | 99% |
| TY-U-01-62 | 110.46 | 137.32 | 324.42 | 0.42 | 0.067 60 | 0.002 16 | 0.140 26 | 0.001 57 | 857.4  | 66.7  | 846.1 | 8.9 | 99% |
| TY-U-01-64 | 260.39 | 324.14 | 930.91 | 0.35 | 0.068 00 | 0.001 50 | 0.139 44 | 0.001 47 | 877.8  | 44.4  | 841.5 | 8.3 | 98% |
| TY-U-01-66 | 306.11 | 156.33 | 514.23 | 0.30 | 0.111 24 | 0.002 37 | 0.318 44 | 0.002 71 | 1 820.4  | 38.6  | 1 782.1 | 13.3 | 98% |
| TY-U-01-68 | 160.66 | 211.53 | 454.84 | 0.47 | 0.070 37 | 0.002 31 | 0.144 47 | 0.001 47 | 938.9  | 66.7  | 869.9 | 8.3 | 97% |
| TY-U-01-70 | 161.41 | 216.18 | 482.87 | 0.45 | 0.067 08 | 0.002 79 | 0.143 17 | 0.001 22 | 840.4  | 87.0  | 862.6 | 6.9 | 99% |
| TY-U-01-72 | 66.73 | 17.12 | 85.88 | 0.20 | 0.155 08 | 0.008 70 | 0.478 32 | 0.005 61 | 2 402.8  | 94.6  | 2 519.9 | 24.5 | 97% |
| TY-U-01-74 | 202.02 | 200.98 | 448.27 | 0.45 | 0.069 52 | 0.003 27 | 0.188 42 | 0.001 63 | 913.9  | 98.2  | 1 112.8 | 8.9 | 94% |
| TY-U-01-76 | 847.72 | 484.36 | 1 036.39 | 0.47 | 0.109 96 | 0.003 20 | 0.331 64 | 0.002 55 | 1 799.1  | 52.3  | 1 846.3 | 12.4 | 99% |
| TY-U-01-80 | 488.03 | 731.94 | 683.18 | 1.07 | 0.071 09 | 0.001 75 | 0.158 79 | 0.001 61 | 961.1  | 50.0  | 950.0 | 9.0 | 99% |

附表2 戴家坪组第9层样品（TY-D-01）碎屑锆石U-Pb同位素分析结果

Table 2 Detrital zircons U-Pb isotopic results of the TY-D-01 in the Daijiaping Formation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 样品号 | 元素 | 同位素比值 | 年龄（Ma） | 谐和度 |
| Pb（10-6） | Th（10-6） | U（10-6） | Th/U | 207Pb/206Pb | 1*σ*  | 206Pb/238U | 1*σ* | 207Pb/206Pb | 1*σ*  | 206Pb/238U | 1*σ* |
| TY-D-01-02 | 227.71 | 289.83 | 727.61 | 0.40 | 0.069 65 | 0.001 71 | 0.145 48 | 0.001 41 | 918.2  | 45.4  | 875.6  | 7.9  | 98% |
| TY-D-01-04 | 279.17 | 225.74 | 238.16 | 0.95 | 0.105 37 | 0.002 86 | 0.282 58 | 0.003 16 | 1 720.7  | 50.0  | 1 720.7  | 50.0  | 96% |
| TY-D-01-06 | 919.66 | 364.60 | 902.64 | 0.40 | 0.163 37 | 0.002 76 | 0.444 85 | 0.004 27 | 2 491.1  | 29.2  | 2 491.1  | 29.2  | 97% |
| TY-D-01-08 | 104.86 | 422.07 | 1 203.32 | 0.35 | 0.054 85 | 0.001 94 | 0.040 93 | 0.000 43 | 405.6  | 79.6  | 258.6  | 2.7  | 94% |
| TY-D-01-10 | 972.80 | 97.70 | 2 971.38 | 0.03 | 0.120 62 | 0.002 35 | 0.363 17 | 0.003 39 | 1 965.1  | 34.1  | 1 965.1  | 34.1  | 99% |
| TY-D-01-12 | 114.57 | 359.79 | 475.90 | 0.76 | 0.059 31 | 0.002 62 | 0.070 67 | 0.000 93 | 588.9  | 96.3  | 440.2  | 5.6  | 95% |
| TY-D-01-14 | 223.82 | 661.50 | 1 081.86 | 0.61 | 0.057 93 | 0.001 63 | 0.069 05 | 0.000 64 | 527.8  | 61.1  | 430.4  | 3.9  | 96% |
| TY-D-01-18 | 412.50 | 190.83 | 725.57 | 0.26 | 0.115 05 | 0.002 49 | 0.331 84 | 0.002 79 | 1 880.6  | 38.9  | 1 847.3  | 13.6  | 98% |
| TY-D-01-20 | 635.77 | 1 043.78 | 1 034.22 | 1.01 | 0.076 97 | 0.001 79 | 0.138 85 | 0.001 13 | 1 120.4  | 46.6  | 838.2  | 6.4  | 90% |
| TY-D-01-22 | 627.33 | 191.67 | 356.87 | 0.54 | 0.066 92 | 0.002 21 | 0.130 47 | 0.001 41 | 835.2  | 68.5  | 790.5  | 8.0  | 98% |
| TY-D-01-24 | 181.09 | 271.99 | 493.68 | 0.55 | 0.071 11 | 0.002 04 | 0.142 09 | 0.001 64 | 961.1  | 58.2  | 856.5  | 9.3  | 96% |
| TY-D-01-26 | 706.78 | 469.33 | 517.89 | 0.91 | 0.122 11 | 0.002 29 | 0.358 90 | 0.003 37 | 1 987.4  | 33.3  | 1 987.4  | 33.3  | 99% |
| TY-D-01-28 | 336.16 | 557.21 | 597.86 | 0.93 | 0.068 21 | 0.002 06 | 0.137 04 | 0.001 32 | 875.9  | 61.9  | 827.9  | 7.5  | 98% |
| TY-D-01-30 | 80.61 | 151.76 | 125.69 | 1.21 | 0.073 52 | 0.003 76 | 0.125 79 | 0.001 83 | 1 027.8  | 103.2  | 763.8  | 10.5  | 91% |
| TY-D-01-32 | 130.32 | 314.00 | 1 071.36 | 0.29 | 0.055 14 | 0.001 52 | 0.068 49 | 0.000 60 | 416.7  | 63.0  | 427.0  | 3.6  | 99% |
| TY-D-01-34 | 456.66 | 734.03 | 843.37 | 0.87 | 0.067 94 | 0.001 76 | 0.143 80 | 0.001 61 | 877.8  | 53.7  | 866.1  | 9.1  | 99% |
| TY-D-01-36 | 202.12 | 355.87 | 509.42 | 0.70 | 0.063 20 | 0.001 93 | 0.127 86 | 0.001 36 | 716.7  | 69.4  | 775.6  | 7.8  | 98% |
| TY-D-01-38 | 234.63 | 731.86 | 1 068.74 | 0.68 | 0.056 33 | 0.001 48 | 0.069 35 | 0.000 78 | 464.9  | 59.3  | 432.2  | 4.7  | 98% |
| TY-D-01-40 | 95.91 | 298.74 | 434.01 | 0.69 | 0.053 40 | 0.002 19 | 0.070 29 | 0.000 79 | 346.4  | 92.6  | 437.9  | 4.8  | 96% |
| TY-D-01-42 | 517.22 | 764.88 | 811.07 | 0.94 | 0.071 16 | 0.001 64 | 0.157 59 | 0.001 39 | 961.1  | 47.4  | 943.4  | 7.8  | 99% |
| TY-D-01-44 | 218.82 | 212.04 | 919.94 | 0.23 | 0.071 39 | 0.001 50 | 0.159 84 | 0.002 30 | 968.5  | 42.9  | 955.9  | 12.8  | 99% |
| TY-D-01-46 | 428.22 | 725.90 | 879.65 | 0.83 | 0.066 36 | 0.001 68 | 0.133 04 | 0.001 28 | 816.7  | 56.5  | 805.2  | 7.3  | 99% |
| TY-D-01-48 | 205.38 | 308.75 | 636.84 | 0.48 | 0.068 25 | 0.001 79 | 0.132 50 | 0.001 24 | 875.9  | 55.6  | 802.1  | 7.1  | 97% |
| TY-D-01-50 | 500.46 | 655.22 | 944.35 | 0.69 | 0.071 71 | 0.001 57 | 0.164 76 | 0.001 56 | 988.9  | 44.8  | 983.2  | 8.7  | 99% |
| TY-D-01-52 | 357.17 | 1 136.88 | 1 371.80 | 0.83 | 0.054 25 | 0.001 51 | 0.068 91 | 0.000 65 | 388.9  | 63.0  | 429.6  | 3.9  | 98% |
| TY-D-01-54 | 247.14 | 352.24 | 593.20 | 0.59 | 0.068 04 | 0.001 81 | 0.150 18 | 0.001 46 | 869.4  | 55.6  | 901.9  | 8.2  | 99% |
| TY-D-01-56 | 253.13 | 359.11 | 727.91 | 0.49 | 0.067 42 | 0.001 63 | 0.139 96 | 0.001 37 | 850.0  | 51.1  | 844.5  | 7.8  | 99% |
| TY-D-01-58 | 442.80 | 342.52 | 390.48 | 0.88 | 0.104 19 | 0.002 31 | 0.309 91 | 0.002 80 | 1 701.9  | 40.7  | 1 701.9  | 40.7  | 98% |
| TY-D-01-60 | 314.79 | 609.83 | 921.31 | 0.66 | 0.065 61 | 0.001 78 | 0.116 04 | 0.001 05 | 794.4  | 52.8  | 707.7  | 6.1  | 97% |
| TY-D-01-62 | 160.58 | 470.64 | 850.92 | 0.55 | 0.055 16 | 0.001 72 | 0.070 77 | 0.000 66 | 420.4  | 70.4  | 440.8  | 4.0  | 99% |
| TY-D-01-64 | 108.31 | 50.82 | 66.78 | 0.76 | 0.169 57 | 0.005 41 | 0.476 04 | 0.007 08 | 2 553.4  | 53.4  | 2 553.4  | 53.4  | 99% |
| TY-D-01-66 | 257.93 | 801.49 | 1 116.65 | 0.72 | 0.056 36 | 0.001 60 | 0.069 75 | 0.000 70 | 464.9  | 30.6  | 434.7  | 4.2  | 98% |
| TY-D-01-68 | 354.58 | 607.20 | 662.88 | 0.92 | 0.066 69 | 0.001 78 | 0.134 72 | 0.001 28 | 827.8  | 55.6  | 814.7  | 7.3  | 99% |
| TY-D-01-70 | 277.45 | 483.12 | 519.27 | 0.93 | 0.066 48 | 0.001 94 | 0.134 71 | 0.001 41 | 820.4  | 61.1  | 814.7  | 8.0  | 99% |
| TY-D-01-72 | 217.56 | 707.44 | 911.17 | 0.78 | 0.059 61 | 0.001 87 | 0.067 28 | 0.000 65 | 590.8  | 68.5  | 419.8  | 4.0  | 93% |
| TY-D-01-74 | 239.48 | 307.93 | 951.22 | 0.32 | 0.068 10 | 0.001 50 | 0.135 26 | 0.001 20 | 872.2  | 45.5  | 817.8  | 6.9  | 97% |
| TY-D-01-76 | 190.20 | 310.26 | 445.30 | 0.70 | 0.066 13 | 0.002 06 | 0.133 73 | 0.001 54 | 810.8  | 66.7  | 809.1  | 8.8  | 99% |
| TY-D-01-78 | 338.02 | 130.39 | 314.89 | 0.41 | 0.167 43 | 0.003 42 | 0.468 13 | 0.004 89 | 2 532.4  | 34.3  | 2 532.4  | 34.3  | 98% |