###### 附表1 研究区直罗组砂岩碎屑锆石LA-ICP-MS U-Pb定年数据

Table 1 Detrital zircon LA-ICP-MS U-Pb analytical data of Zhiluo Formation sandstone from the study area

| 样品号 | | Th(10-6) | | U(10-6) | | Th/U | | 同位素比值 | | | | | | |  | 年龄 (Ma) | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 206Pb/238U | 1*σ* | 207Pb/235U | 1*σ* | 207Pb/206Pb | | 1*σ* |  | 206Pb/238U | 1*σ* | 207Pb/235U | | | 1*σ* | 207Pb/206Pb | | | 1*σ* |
| UZK45.GS1.1 | 522 | | 1 089 | | 0.48 | | 0.346 0 | | 0.004 0 | 5.806 2 | 0.086 5 | | 0.121 7 | 0.001 5 |  | 1 915 | 22 | | 1 947 | 29 | | | 1 982 | 22 | |
| UZK45.GS1.2 | 135 | | 897 | | 0.15 | | 0.316 5 | | 0.003 7 | 5.309 0 | 0.080 8 | | 0.121 7 | 0.001 5 |  | 1 773 | 21 | | 1 870 | 28 | | | 1 981 | 22 | |
| UZK45.GS1.3 | 135 | | 637 | | 0.21 | | 0.356 9 | | 0.004 1 | 7.728 0 | 0.114 3 | | 0.157 0 | 0.002 0 |  | 1 968 | 22 | | 2 200 | 33 | | | 2 424 | 21 | |
| UZK45.GS1.4 | 97 | | 241 | | 0.40 | | 0.315 9 | | 0.003 9 | 5.125 6 | 0.079 3 | | 0.117 7 | 0.001 5 |  | 1 770 | 22 | | 1 840 | 28 | | | 1 921 | 23 | |
| UZK45.GS1.5 | 61 | | 49 | | 1.26 | | 0.316 1 | | 0.003 7 | 4.967 8 | 0.085 3 | | 0.114 0 | 0.001 8 |  | 1 771 | 21 | | 1 814 | 31 | | | 1 864 | 28 | |
| UZK45.GS1.6 | 37 | | 50 | | 0.75 | | 0.308 3 | | 0.004 1 | 4.759 1 | 0.088 2 | | 0.112 0 | 0.001 7 |  | 1 732 | 23 | | 1 778 | 33 | | | 1 831 | 27 | |
| UZK45.GS1.7 | 316 | | 354 | | 0.89 | | 0.451 6 | | 0.005 2 | 10.270 2 | 0.154 5 | | 0.164 9 | 0.002 1 |  | 2 402 | 28 | | 2 459 | 37 | | | 2 507 | 21 | |
| UZK45.GS1.8 | 871 | | 1019 | | 0.85 | | 0.251 2 | | 0.004 1 | 5.231 4 | 0.097 9 | | 0.151 0 | 0.001 9 |  | 1 445 | 23 | | 1 858 | 35 | | | 2 358 | 22 | |
| UZK45.GS1.9 | 65 | | 251 | | 0.26 | | 0.437 3 | | 0.005 7 | 9.038 6 | 0.148 3 | | 0.149 9 | 0.001 9 |  | 2 339 | 30 | | 2 342 | 38 | | | 2 345 | 22 | |
| UZK45.GS1.10 | 180 | | 342 | | 0.53 | | 0.378 9 | | 0.004 6 | 6.684 0 | 0.103 8 | | 0.127 9 | 0.001 6 |  | 2 071 | 25 | | 2 071 | 32 | | | 2 070 | 22 | |
| UZK45.GS1.11 | 97 | | 1101 | | 0.09 | | 0.352 6 | | 0.004 1 | 5.759 0 | 0.086 6 | | 0.118 4 | 0.001 5 |  | 1 947 | 23 | | 1 940 | 29 | | | 1 933 | 22 | |
| UZK45.GS1.12 | 51 | | 35 | | 1.45 | | 0.335 9 | | 0.004 0 | 5.311 1 | 0.096 1 | | 0.114 7 | 0.001 8 |  | 1 867 | 22 | | 1 871 | 34 | | | 1 875 | 29 | |
| UZK45.GS1.13 | 331 | | 1045 | | 0.32 | | 0.274 5 | | 0.003 2 | 4.344 7 | 0.065 2 | | 0.114 8 | 0.001 5 |  | 1 563 | 18 | | 1 702 | 26 | | | 1 877 | 23 | |
| UZK45.GS1.14 | 65 | | 93 | | 0.70 | | 0.063 7 | | 0.000 9 | 0.540 6 | 0.021 8 | | 0.061 6 | 0.002 4 |  | 3 98 | 5 | | 439 | 18 | | | 659 | 83 | |
| UZK45.GS1.15 | 129 | | 202 | | 0.64 | | 0.424 5 | | 0.005 4 | 8.584 3 | 0.144 7 | | 0.146 7 | 0.001 9 |  | 2 281 | 29 | | 2 295 | 39 | | | 2 307 | 22 | |
| UZK45.GS1.16 | 5 | | 78 | | 0.06 | | 0.291 7 | | 0.003 6 | 4.156 6 | 0.068 6 | | 0.103 4 | 0.001 4 |  | 1 650 | 20 | | 1 666 | 28 | | | 1 685 | 26 | |
| UZK45.GS1.17 | 93 | | 140 | | 0.66 | | 0.453 8 | | 0.005 8 | 9.759 9 | 0.156 8 | | 0.156 0 | 0.002 0 |  | 2 412 | 31 | | 2 412 | 39 | | | 2 413 | 21 | |
| UZK45.GS1.18 | 123 | | 481 | | 0.26 | | 0.336 4 | | 0.004 1 | 5.316 8 | 0.082 1 | | 0.114 6 | 0.001 4 |  | 1 870 | 23 | | 1 872 | 29 | | | 1 874 | 23 | |
| UZK45.GS1.19 | 312 | | 344 | | 0.91 | | 0.306 5 | | 0.003 6 | 4.688 1 | 0.070 9 | | 0.111 0 | 0.001 4 |  | 1 723 | 20 | | 1 765 | 27 | | | 1 815 | 23 | |
| UZK45.GS1.20 | 172 | | 493 | | 0.35 | | 0.447 1 | | 0.005 3 | 10.021 3 | 0.152 0 | | 0.162 6 | 0.002 0 |  | 2 382 | 28 | | 2 437 | 37 | | | 2 483 | 21 | |
| UZK45.GS1.21 | 171 | | 403 | | 0.42 | | 0.462 8 | | 0.006 5 | 10.938 0 | 0.186 9 | | 0.171 4 | 0.002 1 |  | 2 452 | 35 | | 2 518 | 43 | | | 2 571 | 21 | |
| UZK45.GS1.22 | 91 | | 58 | | 1.56 | | 0.325 2 | | 0.003 8 | 4.982 3 | 0.082 1 | | 0.111 1 | 0.001 6 |  | 1 815 | 21 | | 1 816 | 30 | | | 1 818 | 26 | |
| UZK45.GS1.23 | 98 | | 161 | | 0.61 | | 0.457 7 | | 0.005 8 | 10.427 9 | 0.167 8 | | 0.165 2 | 0.002 1 |  | 2 429 | 31 | | 2 474 | 40 | | | 2 510 | 21 | |
| UZK45.GS1.24 | 109 | | 1242 | | 0.09 | | 0.270 4 | | 0.003 2 | 4.8457 | 0.074 6 | | 0.130 0 | 0.001 7 |  | 1 543 | 18 | | 1 793 | 28 | | | 2 097 | 22 | |
| UZK45.GS1.25 | 338 | | 58 | | 5.80 | | 0.460 8 | | 0.005 7 | 10.440 6 | 0.169 7 | | 0.164 3 | 0.002 1 |  | 2 443 | 30 | | 2 475 | 40 | | | 2 501 | 22 | |
| UZK45.GS1.26 | 243 | | 838 | | 0.29 | | 0.182 7 | | 0.002 6 | 3.059 6 | 0.051 8 | | 0.121 5 | 0.001 5 |  | 1 082 | 15 | | 1 423 | 24 | | | 1 978 | 22 | |
| UZK45.GS1.27 | 59 | | 64 | | 0.94 | | 0.321 9 | | 0.003 8 | 4.824 9 | 0.078 0 | | 0.108 7 | 0.001 5 |  | 1 799 | 21 | | 1 789 | 29 | | | 1 778 | 25 | |
| UZK45.GS1.28 | 83 | | 159 | | 0.52 | | 0.263 7 | | 0.003 3 | 4.060 7 | 0.067 3 | | 0.111 7 | 0.001 5 |  | 1 509 | 19 | | 1 646 | 27 | | | 1 827 | 24 | |
| UZK45.GS1.29 | 1 382 | | 1 180 | | 1.17 | | 0.033 5 | | 0.000 4 | 0.236 9 | 0.003 9 | | 0.051 3 | 0.000 7 |  | 212 | 2 | | 216 | 4 | | | 254 | 33 | |
| UZK45.GS1.30 | 50 | | 141 | | 0.35 | | 0.273 3 | | 0.003 2 | 3.870 2 | 0.059 6 | | 0.102 7 | 0.001 3 |  | 1 557 | 18 | | 1 607 | 25 | | | 1 674 | 24 | |
| UZK45.GS1.31 | 266 | | 1 241 | | 0.21 | | 0.323 0 | | 0.003 9 | 5.039 4 | 0.078 0 | | 0.113 2 | 0.001 4 |  | 1 804 | 22 | | 1 826 | 28 | | | 1 851 | 23 | |
| UZK45.GS1.32 | 106 | | 352 | | 0.30 | | 0.357 5 | | 0.004 3 | 6.017 1 | 0.093 3 | | 0.122 1 | 0.001 5 |  | 1 970 | 24 | | 1 978 | 31 | | | 1 987 | 23 | |
| UZK45.GS1.33 | 38 | | 108 | | 0.35 | | 0.370 7 | | 0.004 3 | 6.517 4 | 0.099 7 | | 0.127 5 | 0.001 7 |  | 2 033 | 24 | | 2 048 | 31 | | | 2 064 | 23 | |
| UZK45.GS1.34 | 47 | | 113 | | 0.41 | | 0.441 0 | | 0.005 4 | 9.616 6 | 0.148 2 | | 0.158 2 | 0.002 0 |  | 2 355 | 29 | | 2 399 | 37 | | | 2 436 | 21 | |
| UZK45.GS1.35 | 349 | | 447 | | 0.78 | | 0.452 6 | | 0.005 4 | 10.187 3 | 0.153 4 | | 0.163 2 | 0.002 0 |  | 2 407 | 28 | | 2 452 | 37 | | | 2 489 | 21 | |
| UZK45.GS1.36 | 192 | | 687 | | 0.28 | | 0.341 5 | | 0.004 2 | 5.531 0 | 0.085 4 | | 0.117 5 | 0.001 5 |  | 1 894 | 23 | | 1 905 | 29 | | | 1 918 | 22 | |
| UZK45.GS1.37 | 68 | | 60 | | 1.13 | | 0.324 9 | | 0.003 8 | 4.917 5 | 0.092 4 | | 0.109 8 | 0.001 9 |  | 1 813 | 21 | | 1 805 | 34 | | | 1 796 | 32 | |
| UZK45.GS1.38 | 146 | | 203 | | 0.72 | | 0.416 6 | | 0.004 8 | 8.998 2 | 0.134 3 | | 0.156 7 | 0.002 0 |  | 2 245 | 26 | | 2 338 | 35 | | | 2 420 | 21 | |
| UZK45.GS1.39 | 560 | | 298 | | 1.88 | | 0.289 8 | | 0.003 3 | 4.699 3 | 0.072 5 | | 0.117 6 | 0.001 5 |  | 1 641 | 19 | | 1 767 | 27 | | | 1 920 | 23 | |
| UZK45.GS1.40 | 60 | | 78 | | 0.77 | | 0.319 3 | | 0.003 8 | 4.917 5 | 0.078 9 | | 0.111 7 | 0.001 5 |  | 1 786 | 21 | | 1 805 | 29 | | | 1 827 | 24 | |
| UZK45.GS1.41 | 161 | | 739 | | 0.22 | | 0.427 9 | | 0.005 6 | 9.710 6 | 0.156 5 | | 0.164 6 | 0.002 1 |  | 2 296 | 30 | | 2 408 | 39 | | | 2 503 | 21 | |
| UZK45.GS1.42 | 373 | | 473 | | 0.79 | | 0.347 5 | | 0.004 2 | 5.741 1 | 0.088 2 | | 0.119 8 | 0.001 5 |  | 1 923 | 23 | | 1 938 | 30 | | | 1 954 | 22 | |
| UZK45.GS1.43 | 42 | | 47 | | 0.89 | | 0.446 0 | | 0.005 3 | 9.952 1 | 0.154 6 | | 0.161 8 | 0.002 1 |  | 2 377 | 28 | | 2 430 | 38 | | | 2 475 | 22 | |
| UZK45.GS1.44 | 68 | | 150 | | 0.45 | | 0.471 0 | | 0.005 6 | 11.760 8 | 0.177 6 | | 0.181 1 | 0.002 3 |  | 2 488 | 29 | | 2 586 | 39 | | | 2 663 | 21 | |
| UZK45.GS1.45 | 85 | | 351 | | 0.24 | | 0.314 5 | | 0.003 7 | 4.906 4 | 0.073 8 | | 0.113 1 | 0.001 4 |  | 1 763 | 21 | | 1 803 | 27 | | | 1 850 | 23 | |
| UZK45.GS1.46 | 314 | | 647 | | 0.48 | | 0.321 3 | | 0.003 8 | 5.067 3 | 0.077 0 | | 0.114 4 | 0.001 4 |  | 1 796 | 21 | | 1 831 | 28 | | | 1 870 | 23 | |
| UZK45.GS1.47 | 106 | | 658 | | 0.16 | | 0.294 0 | | 0.003 5 | 4.764 2 | 0.072 5 | | 0.117 5 | 0.001 5 |  | 1 662 | 20 | | 1 779 | 27 | | | 1 919 | 22 | |
| UZK45.GS1.48 | 98 | | 173 | | 0.57 | | 0.410 4 | | 0.005 0 | 8.586 8 | 0.133 3 | | 0.151 8 | 0.001 9 |  | 2 217 | 27 | | 2 295 | 36 | | | 2 366 | 22 | |
| UZK45.GS1.49 | 68 | | 110 | | 0.62 | | 0.315 6 | | 0.003 7 | 4.831 0 | 0.075 8 | | 0.111 0 | 0.001 4 |  | 1 768 | 21 | | 1 790 | 28 | | | 1 816 | 24 | |
| UZK45.GS1.50 | 144 | | 308 | | 0.47 | | 0.039 3 | | 0.000 5 | 0.267 5 | 0.006 7 | | 0.049 4 | 0.001 1 |  | 248 | 3 | | 2 41 | 6 | | | 166 | 54 | |
| UZK45.GS1.51 | 37 | | 46 | | 0.81 | | 0.304 7 | | 0.003 6 | 4.610 8 | 0.081 4 | | 0.109 8 | 0.001 7 |  | 1 714 | 20 | | 1 751 | 31 | | | 1 795 | 28 | |
| UZK45.GS1.52 | 87 | | 229 | | 0.38 | | 0.454 9 | | 0.005 5 | 10.330 6 | 0.158 3 | | 0.164 7 | 0.002 1 |  | 2 417 | 29 | | 2 465 | 38 | | | 2 504 | 21 | |
| UZK45.GS1.53 | 85 | | 135 | | 0.63 | | 0.461 9 | | 0.006 5 | 10.362 9 | 0.183 7 | | 0.162 7 | 0.002 1 |  | 2 448 | 35 | | 2 468 | 44 | | | 2 484 | 21 | |
| UZK45.GS1.54 | 226 | | 368 | | 0.61 | | 0.336 1 | | 0.003 9 | 5.648 9 | 0.084 9 | | 0.121 9 | 0.001 5 |  | 1 868 | 22 | | 1 924 | 29 | | | 1 984 | 22 | |
| UZK45.GS1.55 | 129 | | 476 | | 0.27 | | 0.337 1 | | 0.003 9 | 5.800 3 | 0.086 9 | | 0.124 8 | 0.001 6 |  | 1 872 | 22 | | 1 946 | 29 | | | 2 026 | 22 | |
| UZK45.GS1.56 | 181 | | 630 | | 0.29 | | 0.473 2 | | 0.005 5 | 12.832 2 | 0.193 5 | | 0.196 7 | 0.002 5 |  | 2 498 | 29 | | 2 667 | 40 | | | 2 799 | 21 | |
| UZK45.GS1.57 | 243 | | 218 | | 1.12 | | 0.313 8 | | 0.003 7 | 4.901 7 | 0.074 1 | | 0.113 3 | 0.001 4 |  | 1 760 | 21 | | 1 803 | 27 | | | 1 853 | 23 | |
| UZK45.GS1.58 | 334 | | 905 | | 0.37 | | 0.424 9 | | 0.004 8 | 9.212 0 | 0.135 5 | | 0.157 2 | 0.002 0 |  | 2 283 | 26 | | 2 359 | 35 | | | 2 426 | 21 | |
| UZK45.GS1.59 | 230 | | 662 | | 0.35 | | 0.323 8 | | 0.003 9 | 5.220 3 | 0.079 4 | | 0.116 9 | 0.001 5 |  | 1 808 | 22 | | 1 856 | 28 | | | 1 910 | 22 | |
| UZK45.GS1.60 | 86 | | 177 | | 0.49 | | 0.416 2 | | 0.005 1 | 8.692 2 | 0.135 4 | | 0.151 5 | 0.001 9 |  | 2 243 | 27 | | 2 306 | 36 | | | 2 362 | 21 | |
| UZK45.GS1.61 | 82 | | 192 | | 0.43 | | 0.444 3 | | 0.005 3 | 9.790 0 | 0.149 5 | | 0.159 8 | 0.002 0 |  | 2 370 | 28 | | 2 415 | 37 | | | 2 454 | 21 | |
| UZK45.GS1.62 | 398 | | 510 | | 0.78 | | 0.443 8 | | 0.005 2 | 10.003 4 | 0.151 2 | | 0.163 5 | 0.002 0 |  | 2 368 | 28 | | 2 435 | 37 | | | 2 492 | 21 | |
| UZK45.GS1.63 | 280 | | 100 | | 2.80 | | 0.345 7 | | 0.004 1 | 5.616 2 | 0.087 0 | | 0.117 8 | 0.001 5 |  | 1 914 | 23 | | 1 919 | 30 | | | 1 924 | 23 | |
| UZK45.GS1.64 | 80 | | 113 | | 0.71 | | 0.319 7 | | 0.003 8 | 4.952 5 | 0.077 3 | | 0.112 4 | 0.001 5 |  | 1 788 | 21 | | 1 811 | 28 | | | 1 838 | 23 | |
| UZK45.GS1.65 | 41 | | 70 | | 0.59 | | 0.391 4 | | 0.005 1 | 7.370 4 | 0.121 3 | | 0.136 6 | 0.001 8 |  | 2 129 | 28 | | 2 157 | 36 | | | 2 184 | 22 | |
| UZK45.GS1.66 | 77 | | 98 | | 0.78 | | 0.441 1 | | 0.005 1 | 9.618 8 | 0.143 3 | | 0.158 2 | 0.002 0 |  | 2 355 | 27 | | 2 399 | 36 | | | 2 436 | 21 | |
| UZK45.GS1.67 | 50 | | 773 | | 0.06 | | 0.426 1 | | 0.005 0 | 9.420 4 | 0.142 7 | | 0.160 3 | 0.002 0 |  | 2 288 | 27 | | 2 380 | 36 | | | 2 459 | 21 | |
| UZK45.GS1.68 | 28 | | 25 | | 1.09 | | 0.321 0 | | 0.004 1 | 5.081 2 | 0.103 9 | | 0.1148 | 0.002 1 |  | 1 795 | 23 | | 1 833 | 37 | | | 1 877 | 33 | |
| UZK45.GS1.69 | 254 | | 1 842 | | 0.14 | | 0.340 9 | | 0.003 9 | 5.629 4 | 0.082 9 | | 0.119 8 | 0.001 5 |  | 1 891 | 21 | | 1 921 | 28 | | | 1 953 | 22 | |
| UZK45.GS1.70 | 192 | | 411 | | 0.47 | | 0.324 1 | | 0.004 1 | 5.019 1 | 0.078 6 | | 0.112 3 | 0.001 4 |  | 1 809 | 23 | | 1 823 | 29 | | | 1 838 | 23 | |
| UZK45.GS1.71 | 59 | | 247 | | 0.24 | | 0.350 4 | | 0.004 2 | 5.857 0 | 0.089 2 | | 0.121 2 | 0.001 5 |  | 1 937 | 23 | | 1 955 | 30 | | | 1 974 | 22 | |
| UZK45.GS1.72 | 187 | | 493 | | 0.38 | | 0.451 5 | | 0.005 4 | 10.047 9 | 0.153 8 | | 0.161 4 | 0.002 0 |  | 2 402 | 29 | | 2 439 | 37 | | | 2 470 | 21 | |
| UZK45.GS1.73 | 832 | | 1 684 | | 0.49 | | 0.201 7 | | 0.002 5 | 3.712 8 | 0.059 8 | | 0.133 5 | 0.001 7 |  | 1 184 | 15 | | 1 574 | 25 | | | 2 145 | 22 | |
| UZK45.GS1.74 | 120 | | 235 | | 0.51 | | 0.458 7 | | 0.005 4 | 10.291 5 | 0.155 1 | | 0.162 7 | 0.002 0 |  | 2 434 | 29 | | 2 461 | 37 | | | 2 484 | 21 | |
| UZK45.GS1.75 | 39 | | 149 | | 0.26 | | 0.365 2 | | 0.0044 | 6.282 2 | 0.096 2 | | 0.124 7 | 0.001 6 |  | 2 007 | 24 | | 2 016 | 31 | | | 2 025 | 22 | |
| UZK45.GS1.76 | 54 | | 109 | | 0.50 | | 0.473 8 | | 0.005 8 | 10.731 2 | 0.165 3 | | 0.164 3 | 0.002 1 |  | 2 500 | 30 | | 2 500 | 39 | | | 2 500 | 21 | |
| UZK45.GS1.77 | 94 | | 141 | | 0.67 | | 0.043 1 | | 0.000 5 | 0.382 1 | 0.013 3 | | 0.064 3 | 0.002 1 |  | 272 | 3 | | 329 | 11 | | | 752 | 70 | |
| UZK45.GS1.78 | 33 | | 306 | | 0.11 | | 0.467 9 | | 0.005 6 | 10.608 1 | 0.161 3 | | 0.164 4 | 0.002 0 |  | 2 474 | 30 | | 2 489 | 38 | | | 2 502 | 21 | |
| UZK45.GS1.79 | 219 | | 824 | | 0.27 | | 0.325 3 | | 0.003 9 | 5.117 9 | 0.077 3 | | 0.114 1 | 0.001 4 |  | 1 815 | 22 | | 1 839 | 28 | | | 1 866 | 22 | |
| UZK45.GS1.80 | 151 | | 205 | | 0.74 | | 0.447 9 | | 0.005 7 | 10.268 5 | 0.161 9 | | 0.166 3 | 0.002 1 |  | 2 386 | 30 | | 2 459 | 39 | | | 2 521 | 21 | |
| UZK50.GS1.01 | 655 | | 571 | | 1.15 | | 0.043 7 | | 0.000 4 | 0.323 6 | 0.005 1 | | 0.053 8 | 0.000 7 |  | 275 | 3 | | 285 | 4 | | | 361 | 31 | |
| UZK50.GS1.02 | 244 | | 409 | | 0.60 | | 0.472 7 | | 0.004 7 | 10.770 8 | 0.142 3 | | 0.165 2 | 0.001 9 |  | 2 496 | 25 | | 2 504 | 33 | | | 2 510 | 19 | |
| UZK50.GS1.03 | 65 | | 230 | | 0.28 | | 0.440 3 | | 0.004 4 | 9.851 1 | 0.130 4 | | 0.162 3 | 0.001 9 |  | 2 352 | 23 | | 2 421 | 32 | | | 2 480 | 19 | |
| UZK50.GS1.05 | 141 | | 334 | | 0.42 | | 0.317 5 | | 0.003 1 | 5.068 2 | 0.066 4 | | 0.115 8 | 0.001 3 |  | 1 777 | 17 | | 1 831 | 24 | | | 1 892 | 21 | |
| UZK50.GS1.06 | 120 | | 121 | | 0.99 | | 0.437 7 | | 0.004 9 | 9.108 3 | 0.128 9 | | 0.150 9 | 0.001 7 |  | 2 340 | 26 | | 2 349 | 33 | | | 2 356 | 20 | |
| UZK50.GS1.07 | 44 | | 63 | | 0.70 | | 0.322 0 | | 0.003 3 | 4.882 8 | 0.070 4 | | 0.110 0 | 0.001 4 |  | 1 799 | 18 | | 1 799 | 26 | | | 1 799 | 23 | |
| UZK50.GS1.08 | 164 | | 364 | | 0.45 | | 0.455 9 | | 0.004 6 | 9.959 1 | 0.132 6 | | 0.158 4 | 0.001 8 |  | 2 422 | 24 | | 2 431 | 32 | | | 2 439 | 20 | |
| UZK50.GS1.09 | 225 | | 229 | | 0.98 | | 0.451 5 | | 0.004 5 | 9.983 5 | 0.132 5 | | 0.160 4 | 0.001 8 |  | 2 402 | 24 | | 2 433 | 32 | | | 2 460 | 19 | |
| UZK50.GS1.10 | 103 | | 663 | | 0.16 | | 0.324 4 | | 0.003 3 | 5.050 2 | 0.066 6 | | 0.112 9 | 0.001 3 |  | 1 811 | 18 | | 1 828 | 24 | | | 1 847 | 21 | |
| UZK50.GS1.11 | 119 | | 185 | | 0.64 | | 0.453 2 | | 0.004 5 | 10.303 2 | 0.135 1 | | 0.164 9 | 0.001 9 |  | 2 410 | 24 | | 2 462 | 32 | | | 2 506 | 19 | |
| UZK50.GS1.12 | 52 | | 67 | | 0.79 | | 0.376 3 | | 0.003 7 | 6.949 4 | 0.100 3 | | 0.133 9 | 0.001 8 |  | 2 059 | 20 | | 2 105 | 30 | | | 2 150 | 23 | |
| UZK50.GS1.13 | 294 | | 443 | | 0.66 | | 0.323 4 | | 0.003 2 | 5.367 0 | 0.070 3 | | 0.120 3 | 0.001 4 |  | 1 807 | 18 | | 1 880 | 25 | | | 1 961 | 21 | |
| UZK50.GS1.14 | 97 | | 98 | | 0.99 | | 0.338 9 | | 0.003 6 | 5.590 0 | 0.080 0 | | 0.119 6 | 0.001 5 |  | 1 882 | 20 | | 1 915 | 27 | | | 1 950 | 22 | |
| UZK50.GS1.15 | 209 | | 406 | | 0.52 | | 0.354 6 | | 0.004 1 | 6.161 5 | 0.088 4 | | 0.126 0 | 0.001 5 |  | 1 957 | 22 | | 1 999 | 29 | | | 2 043 | 21 | |
| UZK50.GS1.16 | 739 | | 1 418 | | 0.52 | | 0.040 3 | | 0.000 4 | 0.289 1 | 0.004 1 | | 0.052 0 | 0.000 6 |  | 255 | 3 | | 258 | 4 | | | 285 | 28 | |
| UZK50.GS1.17 | 241 | | 272 | | 0.89 | | 0.040 9 | | 0.000 4 | 0.295 8 | 0.006 7 | | 0.052 5 | 0.001 1 |  | 258 | 3 | | 263 | 6 | | | 306 | 49 | |
| UZK50.GS1.18 | 15 | | 29 | | 0.51 | | 0.446 1 | | 0.004 4 | 10.579 9 | 0.146 6 | | 0.172 0 | 0.002 1 |  | 2 378 | 23 | | 2 487 | 34 | | | 2 577 | 21 | |
| UZK50.GS1.19 | 49 | | 72 | | 0.68 | | 0.307 1 | | 0.003 0 | 4.713 0 | 0.064 8 | | 0.111 3 | 0.001 4 |  | 1 727 | 17 | | 1 770 | 24 | | | 1 821 | 22 | |
| UZK50.GS1.20 | 81 | | 506 | | 0.16 | | 0.325 6 | | 0.003 3 | 5.217 6 | 0.070 6 | | 0.116 2 | 0.001 3 |  | 1 817 | 18 | | 1 855 | 25 | | | 1 899 | 21 | |
| UZK50.GS1.22 | 623 | | 456 | | 1.36 | | 0.044 5 | | 0.000 4 | 0.326 9 | 0.005 3 | | 0.053 3 | 0.000 8 |  | 280 | 3 | | 287 | 5 | | | 343 | 34 | |
| UZK50.GS1.23 | 56 | | 295 | | 0.19 | | 0.361 9 | | 0.003 8 | 6.141 9 | 0.083 6 | | 0.123 1 | 0.001 4 |  | 1 991 | 21 | | 1 996 | 27 | | | 2 001 | 20 | |
| UZK50.GS1.24 | 16 | | 37 | | 0.42 | | 0.273 4 | | 0.002 8 | 3.736 9 | 0.091 9 | | 0.099 1 | 0.002 3 |  | 1 558 | 16 | | 1 579 | 39 | | | 1 608 | 43 | |
| UZK50.GS1.25 | 111 | | 271 | | 0.41 | | 0.336 8 | | 0.003 3 | 5.651 9 | 0.075 1 | | 0.121 7 | 0.001 4 |  | 1 871 | 19 | | 1 924 | 26 | | | 1 981 | 20 | |
| UZK50.GS1.26 | 58 | | 789 | | 0.07 | | 0.328 9 | | 0.003 3 | 5.428 1 | 0.070 9 | | 0.119 7 | 0.001 4 |  | 1 833 | 18 | | 1 889 | 25 | | | 1 952 | 20 | |
| UZK50.GS1.27 | 55 | | 63 | | 0.88 | | 0.287 5 | | 0.002 9 | 4.230 1 | 0.065 2 | | 0.106 7 | 0.001 5 |  | 1 629 | 17 | | 1 680 | 26 | | | 1 744 | 26 | |
| UZK50.GS1.28 | 482 | | 570 | | 0.85 | | 0.380 8 | | 0.003 7 | 6.838 4 | 0.088 8 | | 0.130 3 | 0.001 5 |  | 2 080 | 20 | | 2 091 | 27 | | | 2 101 | 20 | |
| UZK50.GS1.29 | 127 | | 155 | | 0.82 | | 0.432 7 | | 0.004 2 | 9.704 8 | 0.127 3 | | 0.162 7 | 0.001 9 |  | 2 318 | 23 | | 2 407 | 32 | | | 2 484 | 19 | |
| UZK50.GS1.31 | 86 | | 421 | | 0.20 | | 0.316 0 | | 0.003 2 | 4.929 4 | 0.066 2 | | 0.113 1 | 0.001 3 |  | 1 770 | 18 | | 1 807 | 24 | | | 1 850 | 21 | |
| UZK50.GS1.33 | 202 | | 253 | | 0.80 | | 0.463 9 | | 0.004 6 | 10.336 7 | 0.136 5 | | 0.161 6 | 0.001 8 |  | 2 457 | 25 | | 2 465 | 33 | | | 2 472 | 19 | |
| UZK50.GS1.34 | 340 | | 565 | | 0.60 | | 0.388 7 | | 0.004 6 | 8.726 8 | 0.129 1 | | 0.162 8 | 0.001 9 |  | 2 117 | 25 | | 2 310 | 34 | | | 2 485 | 19 | |
| UZK50.GS1.35 | 70 | | 53 | | 1.31 | | 0.322 9 | | 0.003 3 | 4.907 8 | 0.071 1 | | 0.110 2 | 0.001 4 |  | 1 804 | 18 | | 1 804 | 26 | | | 1 803 | 23 | |
| UZK50.GS1.36 | 47 | | 51 | | 0.92 | | 0.462 6 | | 0.004 6 | 10.357 2 | 0.139 9 | | 0.162 4 | 0.001 9 |  | 2 451 | 25 | | 2 467 | 33 | | | 2 481 | 20 | |
| UZK50.GS1.37 | 137 | | 265 | | 0.52 | | 0.064 1 | | 0.000 6 | 0.478 4 | 0.008 4 | | 0.054 1 | 0.000 9 |  | 401 | 4 | | 397 | 7 | | | 375 | 37 | |
| UZK50.GS1.38 | 183 | | 358 | | 0.51 | | 0.342 1 | | 0.003 4 | 5.522 2 | 0.072 4 | | 0.117 1 | 0.001 3 |  | 1 897 | 19 | | 1 904 | 25 | | | 1 912 | 21 | |
| UZK50.GS1.39 | 455 | | 750 | | 0.61 | | 0.465 1 | | 0.004 6 | 10.457 9 | 0.137 4 | | 0.163 1 | 0.001 9 |  | 2 462 | 24 | | 2 476 | 33 | | | 2 488 | 19 | |
| UZK50.GS1.40 | 320 | | 478 | | 0.67 | | 0.470 5 | | 0.004 6 | 10.786 3 | 0.141 8 | | 0.166 3 | 0.001 9 |  | 2 486 | 24 | | 2 505 | 33 | | | 2 521 | 19 | |
| UZK50.GS1.41 | 49 | | 63 | | 0.78 | | 0.377 7 | | 0.003 9 | 7.139 1 | 0.111 0 | | 0.137 1 | 0.001 9 |  | 2 066 | 21 | | 2 129 | 33 | | | 2 191 | 24 | |
| UZK50.GS1.42 | 104 | | 211 | | 0.49 | | 0.483 2 | | 0.004 7 | 11.275 6 | 0.147 0 | | 0.169 2 | 0.001 9 |  | 2 541 | 25 | | 2 546 | 33 | | | 2 550 | 19 | |
| UZK50.GS1.43 | 47 | | 48 | | 0.98 | | 0.315 8 | | 0.003 1 | 4.912 2 | 0.091 8 | | 0.112 8 | 0.002 0 |  | 1 769 | 18 | | 1 804 | 34 | | | 1845 | 32 | |
| UZK50.GS1.44 | 233 | | 914 | | 0.25 | | 0.040 9 | | 0.000 4 | 0.294 9 | 0.004 1 | | 0.052 4 | 0.000 7 |  | 258 | 3 | | 262 | 4 | | | 301 | 28 | |
| UZK50.GS1.45 | 21 | | 40 | | 0.52 | | 0.040 5 | | 0.000 5 | 0.301 7 | 0.035 4 | | 0.054 0 | 0.006 5 |  | 256 | 3 | | 268 | 31 | | | 369 | 270 | |
| UZK50.GS1.46 | 85 | | 165 | | 0.51 | | 0.460 8 | | 0.004 6 | 10.211 6 | 0.137 1 | | 0.160 7 | 0.001 9 |  | 2 443 | 25 | | 2 454 | 33 | | | 2 463 | 20 | |
| UZK50.GS1.47 | 61 | | 78 | | 0.78 | | 0.313 0 | | 0.003 1 | 4.741 1 | 0.071 7 | | 0.109 9 | 0.001 5 |  | 1 756 | 18 | | 1 775 | 27 | | | 1 797 | 25 | |
| UZK50.GS1.48 | 120 | | 407 | | 0.30 | | 0.335 2 | | 0.003 3 | 5.387 8 | 0.071 6 | | 0.116 6 | 0.001 4 |  | 1 863 | 19 | | 1 883 | 25 | | | 1 904 | 21 | |
| UZK50.GS1.49 | 83 | | 249 | | 0.33 | | 0.329 7 | | 0.003 3 | 5.238 7 | 0.068 8 | | 0.115 2 | 0.001 3 |  | 1 837 | 18 | | 1 859 | 24 | | | 1 884 | 21 | |
| UZK50.GS1.50 | 73 | | 212 | | 0.35 | | 0.323 7 | | 0.003 2 | 5.075 4 | 0.066 8 | | 0.113 7 | 0.001 3 |  | 1 808 | 18 | | 1 832 | 24 | | | 1 860 | 21 | |
| UZK50.GS1.51 | 88 | | 109 | | 0.81 | | 0.310 4 | | 0.003 1 | 4.782 4 | 0.072 3 | | 0.111 7 | 0.001 6 |  | 1 743 | 18 | | 1 782 | 27 | | | 1 828 | 25 | |
| UZK50.GS1.52 | 276 | | 403 | | 0.68 | | 0.463 7 | | 0.004 5 | 10.534 3 | 0.137 1 | | 0.164 8 | 0.001 9 |  | 2 456 | 24 | | 2 483 | 32 | | | 2 505 | 19 | |
| UZK50.GS1.53 | 175 | | 237 | | 0.74 | | 0.467 9 | | 0.004 7 | 10.822 1 | 0.143 4 | | 0.167 8 | 0.001 9 |  | 2 474 | 25 | | 2 508 | 33 | | | 2 535 | 19 | |
| UZK50.GS1.54 | 552 | | 519 | | 1.06 | | 0.457 4 | | 0.004 6 | 11.105 0 | 0.146 9 | | 0.176 1 | 0.002 0 |  | 2 428 | 24 | | 2 532 | 33 | | | 2 616 | 19 | |
| UZK50.GS1.55 | 117 | | 107 | | 1.10 | | 0.333 6 | | 0.003 3 | 5.435 6 | 0.073 6 | | 0.118 2 | 0.001 4 |  | 1 856 | 18 | | 1 890 | 26 | | | 1 929 | 21 | |
| UZK50.GS1.56 | 146 | | 399 | | 0.37 | | 0.420 1 | | 0.004 2 | 8.974 1 | 0.119 6 | | 0.154 9 | 0.001 8 |  | 2 261 | 23 | | 2 335 | 31 | | | 2 401 | 20 | |
| UZK50.GS1.57 | 98 | | 37 | | 2.64 | | 0.315 5 | | 0.003 1 | 4.935 6 | 0.078 7 | | 0.113 4 | 0.001 7 |  | 1 768 | 18 | | 1 808 | 29 | | | 1 855 | 27 | |
| UZK50.GS1.58 | 49 | | 85 | | 0.58 | | 0.431 3 | | 0.004 3 | 9.171 2 | 0.122 9 | | 0.154 2 | 0.001 8 |  | 2 312 | 23 | | 2 355 | 32 | | | 2 393 | 20 | |
| UZK50.GS1.59 | 221 | | 827 | | 0.27 | | 0.328 1 | | 0.003 2 | 5.183 1 | 0.067 7 | | 0.114 6 | 0.001 3 |  | 1 829 | 18 | | 1 850 | 24 | | | 1 873 | 21 | |
| UZK50.GS1.60 | 82 | | 768 | | 0.11 | | 0.335 4 | | 0.003 3 | 5.501 1 | 0.072 2 | | 0.118 9 | 0.001 4 |  | 1 865 | 18 | | 1 901 | 25 | | | 1 940 | 20 | |
| UZK50.GS1.61 | 82 | | 768 | | 0.11 | | 0.335 6 | | 0.003 3 | 5.512 9 | 0.072 4 | | 0.119 1 | 0.001 4 |  | 1 866 | 19 | | 1 903 | 25 | | | 1 943 | 20 | |
| UZK50.GS1.62 | 90 | | 237 | | 0.38 | | 0.360 4 | | 0.003 6 | 6.175 7 | 0.081 3 | | 0.124 3 | 0.001 4 |  | 1 984 | 20 | | 2 001 | 26 | | | 2 018 | 21 | |
| UZK50.GS1.63 | 260 | | 322 | | 0.81 | | 0.328 7 | | 0.003 5 | 6.228 2 | 0.094 8 | | 0.137 4 | 0.001 7 |  | 1 832 | 20 | | 2 008 | 31 | | | 2 195 | 21 | |
| UZK50.GS1.64 | 130 | | 191 | | 0.68 | | 0.436 7 | | 0.004 3 | 9.572 5 | 0.126 7 | | 0.159 0 | 0.001 9 |  | 2 336 | 23 | | 2 395 | 32 | | | 2 445 | 20 | |
| UZK50.GS1.65 | 268 | | 471 | | 0.57 | | 0.049 9 | | 0.000 5 | 0.380 7 | 0.007 1 | | 0.055 3 | 0.001 0 |  | 314 | 3 | | 328 | 6 | | | 426 | 39 | |
| UZK50.GS1.67 | 146 | | 230 | | 0.64 | | 0.457 6 | | 0.004 5 | 10.374 2 | 0.135 9 | | 0.164 4 | 0.001 9 |  | 2 429 | 24 | | 2 469 | 32 | | | 2 502 | 19 | |
| UZK50.GS1.68 | 77 | | 195 | | 0.39 | | 0.478 0 | | 0.004 8 | 11.106 3 | 0.147 1 | | 0.168 5 | 0.001 9 |  | 2 519 | 25 | | 2 532 | 34 | | | 2 543 | 19 | |
| UZK50.GS1.69 | 131 | | 459 | | 0.28 | | 0.368 8 | | 0.003 7 | 6.479 5 | 0.085 3 | | 0.127 4 | 0.001 5 |  | 2 024 | 20 | | 2 043 | 27 | | | 2 063 | 20 | |
| UZK50.GS1.70 | 335 | | 626 | | 0.53 | | 0.286 6 | | 0.002 9 | 4.734 6 | 0.063 6 | | 0.119 8 | 0.001 4 |  | 1 624 | 17 | | 1 773 | 24 | | | 1 954 | 20 | |
| UZK50.GS1.71 | 83 | | 147 | | 0.56 | | 0.327 5 | | 0.003 2 | 5.294 1 | 0.070 4 | | 0.117 2 | 0.001 4 |  | 1 826 | 18 | | 1 868 | 25 | | | 1 914 | 21 | |
| UZK50.GS1.72 | 444 | | 1 692 | | 0.26 | | 0.414 3 | | 0.004 1 | 9.069 6 | 0.120 2 | | 0.158 8 | 0.001 8 |  | 2 235 | 22 | | 2 345 | 31 | | | 2 442 | 20 | |
| UZK50.GS1.73 | 107 | | 439 | | 0.24 | | 0.312 2 | | 0.003 1 | 4.831 8 | 0.063 2 | | 0.112 3 | 0.001 3 |  | 1 751 | 17 | | 1 790 | 23 | | | 1 836 | 21 | |
| UZK50.GS1.74 | 1 356 | | 3 495 | | 0.39 | | 0.025 2 | | 0.000 3 | 0.174 3 | 0.002 3 | | 0.050 2 | 0.000 6 |  | 160 | 2 | | 163 | 2 | | | 202 | 27 | |
| UZK50.GS1.75 | 69 | | 349 | | 0.20 | | 0.345 5 | | 0.003 4 | 5.680 6 | 0.074 4 | | 0.119 2 | 0.001 4 |  | 1 913 | 19 | | 1 928 | 25 | | | 1 945 | 20 | |
| UZK50.GS1.76 | 314 | | 778 | | 0.40 | | 0.361 3 | | 0.003 5 | 6.165 7 | 0.080 2 | | 0.123 8 | 0.001 4 |  | 1 988 | 19 | | 2 000 | 26 | | | 2 011 | 20 | |
| UZK50.GS1.77 | 97 | | 184 | | 0.53 | | 0.451 0 | | 0.004 4 | 10.224 7 | 0.133 7 | | 0.164 4 | 0.001 9 |  | 2 399 | 24 | | 2 455 | 32 | | | 2 502 | 19 | |
| UZK50.GS1.78 | 77 | | 197 | | 0.39 | | 0.479 8 | | 0.004 8 | 11.030 1 | 0.146 8 | | 0.166 7 | 0.0019 |  | 2 526 | 25 | | 2 526 | 34 | | | 2 525 | 19 | |
| UZK50.GS1.79 | 228 | | 609 | | 0.37 | | 0.450 8 | | 0.004 4 | 10.211 5 | 0.133 7 | | 0.164 3 | 0.001 9 |  | 2 399 | 23 | | 2 454 | 32 | | | 2 500 | 19 | |
| UZK50.GS1.80 | 64 | | 133 | | 0.48 | | 0.024 6 | | 0.000 3 | 0.173 9 | 0.011 4 | | 0.0512 | 0.003 4 |  | 157 | 2 | | 163 | 11 | | | 252 | 150 | |

注: 小于1 000 Ma的采用206/238U年龄，大于1 000 Ma的采用207Pb/206Pb年龄。