###### 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。