附表1 东阿拉善地块叠布斯格杂岩中黑云斜长片麻岩锆石稀土元素分析结果（10-6）

Apppendix table 1 Rare earth compositions of zircons from the Diebusige biotite-plagioclase gneiss（10-6）

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 样品点 | 类型 | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | ∑REE | (La/Yb)N | Ce/Ce\* | Eu/Eu\* |
| 14LH05-4.1\_01 | DE | 0.00  | 32.72  | 0.05  | 1.00  | 2.20  | 0.94  | 9.43  | 2.95  | 35.51  | 13.05  | 61.38  | 13.56  | 144.49  | 27.06  | 344.33  | 0.000018  | 578.22  | 0.63  |
| 14LH05-4.1\_04 | DE | 0.01  | 51.11  | 0.08  | 1.46  | 3.05  | 1.45  | 16.05  | 4.75  | 57.65  | 21.16  | 103.91  | 21.77  | 246.87  | 46.63  | 575.94  | 0.000017  | 586.63  | 0.63  |
| 14LH05-4.1\_10 | DE | 1.13  | 53.61  | 0.37  | 3.35  | 4.04  | 1.57  | 17.64  | 4.79  | 53.24  | 18.55  | 84.25  | 17.96  | 189.92  | 33.84  | 484.28  | 0.004287  | 20.32  | 0.57  |
| 14LH05-4.1\_101 | DE | 0.05  | 136.94  | 0.39  | 5.57  | 9.54  | 3.15  | 45.94  | 11.18  | 135.70  | 45.15  | 224.11  | 46.04  | 509.66  | 92.41  | 1265.82  | 0.000074  | 235.16  | 0.46  |
| 14LH05-4.1\_110 | DE | 0.02  | 96.38  | 0.27  | 2.30  | 8.27  | 2.78  | 31.92  | 9.07  | 112.04  | 38.14  | 188.48  | 41.86  | 485.51  | 86.30  | 1103.34  | 0.000035  | 294.26  | 0.52  |
| 14LH05-4.1\_116 | DE | 0.45  | 28.13  | 0.70  | 5.79  | 5.94  | 1.79  | 14.04  | 2.82  | 33.58  | 9.77  | 46.38  | 8.64  | 101.10  | 18.06  | 277.20  | 0.003196  | 12.30  | 0.60  |
| 14LH05-4.1\_118 | DE | 18.74  | 188.26  | 6.65  | 41.38  | 29.15  | 11.07  | 109.99  | 26.40  | 303.46  | 96.41  | 448.34  | 90.41  | 977.80  | 169.59  | 2517.63  | 0.013745  | 4.14  | 0.60  |
| 14LH05-4.1\_120 | DE | 0.07  | 113.11  | 0.67  | 10.21  | 19.49  | 6.42  | 71.76  | 16.75  | 198.02  | 62.35  | 291.67  | 56.79  | 662.19  | 113.91  | 1623.42  | 0.000072  | 130.68  | 0.52  |
| 14LH05-4.1\_13 | DE | 0.20  | 36.48  | 0.16  | 4.05  | 6.53  | 2.03  | 20.80  | 5.58  | 60.18  | 20.22  | 91.99  | 19.22  | 198.29  | 39.96  | 505.69  | 0.000715  | 50.40  | 0.53  |
| 14LH05-4.1\_14 | DE | 0.43  | 55.45  | 0.53  | 7.18  | 10.47  | 3.60  | 39.71  | 10.18  | 106.31  | 34.42  | 151.76  | 31.15  | 326.30  | 55.84  | 833.32  | 0.000950  | 28.30  | 0.54  |
| 14LH05-4.1\_15 | DE | 0.04  | 45.98  | 0.08  | 1.60  | 3.54  | 1.28  | 17.15  | 4.66  | 50.82  | 18.24  | 88.67  | 18.73  | 203.27  | 38.53  | 492.61  | 0.000152  | 186.88  | 0.50  |
| 14LH05-4.1\_16 | DE | 0.05  | 54.81  | 0.09  | 1.51  | 3.30  | 1.39  | 17.74  | 4.97  | 56.18  | 18.26  | 87.26  | 18.06  | 190.84  | 34.73  | 489.18  | 0.000173  | 210.73  | 0.56  |
| 14LH05-4.1\_23 | DE | 0.04  | 43.59  | 0.09  | 1.34  | 2.93  | 1.26  | 11.96  | 3.28  | 37.17  | 13.18  | 70.01  | 16.35  | 204.02  | 40.02  | 445.26  | 0.000138  | 178.58  | 0.65  |
| 14LH05-4.1\_24 | DE | 1.30  | 48.67  | 0.76  | 4.99  | 3.56  | 1.16  | 12.38  | 3.80  | 42.61  | 14.67  | 71.20  | 14.86  | 164.04  | 31.23  | 415.22  | 0.005663  | 12.05  | 0.53  |
| 14LH05-4.1\_30 | DE | 4.21  | 62.83  | 0.94  | 7.04  | 7.66  | 2.73  | 28.95  | 7.81  | 81.60  | 28.18  | 127.09  | 25.09  | 267.88  | 51.69  | 703.70  | 0.011260  | 7.76  | 0.56  |
| 14LH05-4.1\_44 | DE | 0.01  | 43.57  | 0.13  | 1.61  | 2.77  | 1.23  | 14.56  | 3.90  | 45.09  | 15.65  | 73.98  | 15.98  | 165.84  | 32.34  | 416.65  | 0.000043  | 301.60  | 0.59  |
| 14LH05-4.1\_47 | DE | 0.02  | 37.85  | 0.10  | 1.61  | 3.26  | 1.45  | 13.74  | 3.23  | 36.81  | 12.18  | 54.73  | 11.24  | 121.71  | 23.23  | 321.16  | 0.000126  | 200.69  | 0.66  |
| 14LH05-4.1\_48 | DE | 0.32  | 46.14  | 0.37  | 3.35  | 5.29  | 2.04  | 22.41  | 6.24  | 65.80  | 22.73  | 104.71  | 22.49  | 228.54  | 44.91  | 575.34  | 0.000994  | 33.18  | 0.57  |
| 14LH05-4.1\_50 | DE | 1.15  | 39.65  | 0.58  | 4.56  | 4.78  | 2.51  | 17.05  | 4.77  | 52.71  | 17.03  | 77.50  | 16.23  | 169.15  | 33.22  | 440.90  | 0.004895  | 11.90  | 0.85  |
| 14LH05-4.1\_55 | DE | 0.01  | 41.18  | 0.08  | 1.73  | 2.93  | 1.07  | 13.38  | 3.69  | 41.15  | 14.90  | 67.59  | 14.27  | 156.77  | 29.10  | 387.83  | 0.000042  | 377.35  | 0.52  |
| 14LH05-4.1\_57 | DE | 10.69  | 67.82  | 2.22  | 10.71  | 7.51  | 2.70  | 29.68  | 7.68  | 83.12  | 28.04  | 128.15  | 26.39  | 276.99  | 48.33  | 730.01  | 0.027674  | 3.41  | 0.55  |
| 14LH05-4.1\_72 | DE | 2.20  | 154.66  | 2.98  | 25.07  | 26.30  | 8.77  | 80.41  | 19.42  | 222.33  | 69.88  | 335.63  | 71.27  | 864.86  | 135.77  | 2019.55  | 0.001821  | 14.83  | 0.58  |
| 样品点 | 类型 | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | ∑REE | (La/Yb)N | Ce/Ce\* | Eu/Eu\* |
| 14LH05-4.1\_75 | DE | 0.06  | 169.52  | 0.59  | 10.39  | 22.92  | 7.70  | 85.24  | 22.48  | 258.56  | 85.27  | 400.09  | 85.03  | 970.66  | 158.39  | 2276.90  | 0.000048  | 214.12  | 0.53  |
| 14LH05-4.1\_77 | DE | 0.59  | 122.91  | 0.35  | 5.63  | 6.56  | 2.82  | 41.72  | 13.26  | 176.12  | 65.36  | 338.19  | 75.32  | 885.38  | 160.72  | 1894.95  | 0.000477  | 65.99  | 0.52  |
| 14LH05-4.1\_78 | DE | 0.04  | 124.52  | 0.51  | 7.82  | 14.83  | 4.93  | 60.21  | 16.84  | 183.42  | 60.38  | 286.90  | 58.23  | 692.86  | 114.14  | 1625.65  | 0.000043  | 209.39  | 0.50  |
| 14LH05-4.1\_79 | DE | 2.06  | 103.94  | 0.65  | 4.87  | 5.15  | 2.54  | 25.07  | 7.43  | 99.74  | 39.40  | 212.42  | 49.19  | 634.05  | 116.44  | 1302.93  | 0.002336  | 22.05  | 0.68  |
| 14LH05-4.1\_80 | DE | 34.67  | 84.72  | 8.48  | 48.44  | 39.08  | 7.60  | 140.65  | 33.28  | 295.45  | 79.39  | 305.32  | 53.76  | 536.48  | 76.33  | 1743.63  | 0.046353  | 1.21  | 0.31  |
| 14LH05-4.1\_81 | DE | 0.17  | 136.66  | 0.27  | 8.48  | 17.72  | 5.67  | 57.94  | 17.66  | 198.09  | 70.57  | 332.73  | 71.61  | 802.78  | 142.05  | 1862.41  | 0.000156  | 153.24  | 0.54  |
| 14LH05-4.1\_82 | DE | 0.06  | 129.06  | 0.48  | 4.75  | 11.35  | 4.15  | 43.54  | 12.28  | 128.83  | 43.97  | 220.16  | 44.55  | 515.53  | 90.10  | 1248.82  | 0.000085  | 184.96  | 0.57  |
| 14LH05-4.1\_84 | DE | 0.34  | 141.94  | 0.96  | 13.94  | 22.25  | 7.69  | 85.48  | 21.10  | 248.98  | 76.64  | 376.96  | 74.48  | 831.00  | 142.03  | 2043.80  | 0.000292  | 61.06  | 0.54  |
| 14LH05-4.1\_88 | DE | 0.04  | 126.31  | 0.37  | 5.82  | 17.12  | 5.13  | 65.52  | 17.16  | 207.20  | 68.65  | 341.95  | 68.42  | 786.55  | 135.14  | 1845.40  | 0.000040  | 241.29  | 0.47  |
| 14LH05-4.1\_89 | DE | 1.14  | 169.57  | 0.76  | 8.96  | 13.44  | 5.36  | 60.04  | 18.26  | 215.40  | 70.82  | 342.01  | 73.41  | 841.10  | 136.67  | 1956.93  | 0.000969  | 44.62  | 0.58  |
| 14LH05-4.1\_06 | ME | 0.00  | 46.21  | 0.08  | 1.61  | 3.69  | 1.32  | 13.71  | 3.76  | 42.12  | 14.47  | 69.24  | 14.43  | 154.76  | 28.02  | 393.41  | 0.000019  | 635.28  | 0.57  |
| 14LH05-4.1\_117 | ME | 0.37  | 182.28  | 0.26  | 6.24  | 9.30  | 4.95  | 55.37  | 12.78  | 156.58  | 55.36  | 289.38  | 62.32  | 788.51  | 152.97  | 1776.66  | 0.000333  | 145.58  | 0.67  |
| 14LH05-4.1\_34 | ME | 0.24  | 45.50  | 0.11  | 3.17  | 7.10  | 2.57  | 36.05  | 10.56  | 123.33  | 42.17  | 197.77  | 40.71  | 425.78  | 81.72  | 1016.80  | 0.000399  | 68.07  | 0.49  |
| 14LH05-4.1\_42 | ME | 0.00  | 5.55  | 0.04  | 0.78  | 2.90  | 0.24  | 17.47  | 5.45  | 61.06  | 20.58  | 91.27  | 18.70  | 188.03  | 34.09  | 446.17  | 0.000012  | 119.02  | 0.11  |
| 14LH05-4.1\_43 | ME | 0.00  | 4.00  | 0.05  | 1.12  | 1.55  | 0.15  | 8.14  | 2.61  | 31.26  | 10.09  | 47.95  | 9.81  | 100.26  | 18.82  | 235.81  | 0.000000  | #DIV/0! | 0.13  |
| 14LH05-4.1\_60 | ME | 0.02  | 44.05  | 0.07  | 1.29  | 2.03  | 0.89  | 9.92  | 2.72  | 30.77  | 10.68  | 53.45  | 12.23  | 129.58  | 26.48  | 324.17  | 0.000118  | 289.16  | 0.61  |
| 14LH05-4.1\_65 | ME | 0.03  | 49.41  | 0.03  | 1.49  | 2.51  | 1.17  | 13.48  | 4.19  | 51.12  | 18.49  | 96.51  | 21.01  | 227.59  | 44.82  | 531.86  | 0.000105  | 355.55  | 0.61  |
| 14LH05-4.1\_66 | ME | 5.10  | 167.83  | 1.62  | 10.54  | 9.21  | 4.63  | 44.11  | 12.64  | 161.20  | 53.43  | 257.55  | 56.86  | 668.09  | 108.46  | 1561.27  | 0.005477  | 14.32  | 0.70  |
| 14LH05-4.1\_69 | ME | 0.11  | 69.61  | 0.19  | 3.08  | 5.88  | 1.66  | 30.88  | 8.83  | 109.21  | 38.96  | 189.54  | 39.90  | 460.67  | 80.78  | 1039.30  | 0.000164  | 120.32  | 0.38  |
| 14LH05-4.1\_85 | ME | 0.11  | 19.10  | 0.55  | 5.12  | 17.42  | 0.96  | 83.14  | 28.90  | 337.66  | 117.07  | 546.64  | 111.72  | 1236.78  | 202.83  | 2707.99  | 0.000063  | 19.19  | 0.08  |
| 14LH05-4.1\_95 | ME | 18.78  | 189.49  | 5.16  | 29.77  | 13.55  | 4.85  | 49.08  | 14.16  | 152.33  | 51.99  | 249.51  | 50.71  | 592.91  | 102.72  | 1525.01  | 0.022717  | 4.72  | 0.57  |
| 14LH05-4.1\_99 | ME | 0.04  | 159.12  | 0.22  | 4.60  | 10.70  | 3.83  | 47.30  | 13.03  | 157.19  | 55.68  | 269.69  | 57.28  | 660.61  | 109.78  | 1549.07  | 0.000043  | 418.41  | 0.52  |
| 14LH05-4.1\_03 | ME | 0.01  | 7.73  | 0.08  | 1.33  | 2.10  | 0.31  | 9.22  | 2.42  | 24.64  | 7.56  | 32.09  | 6.24  | 61.65  | 10.96  | 166.33  | 0.000173  | 56.44  | 0.21  |
| 14LH05-4.1\_05 | ME | 0.08  | 42.08  | 0.18  | 3.07  | 6.44  | 2.53  | 24.82  | 6.56  | 65.61  | 22.46  | 97.15  | 19.79  | 203.45  | 37.56  | 531.81  | 0.000290  | 83.96  | 0.61  |
| 样品点 | 类型 | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | ∑REE | (La/Yb)N | Ce/Ce\* | Eu/Eu\* |
| 14LH05-4.1\_08 | ME | 0.03  | 23.47  | 0.03  | 0.67  | 3.21  | 1.41  | 14.51  | 4.32  | 47.27  | 17.97  | 89.12  | 19.62  | 216.90  | 42.50  | 481.02  | 0.000107  | 171.58  | 0.63  |
| 14LH05-4.1\_09 | ME | 0.01  | 4.59  | 0.08  | 0.93  | 2.18  | 0.12  | 12.25  | 3.82  | 44.28  | 15.96  | 67.25  | 13.58  | 138.12  | 23.98  | 327.13  | 0.000076  | 33.23  | 0.07  |
| 14LH05-4.1\_100 | ME | 0.02  | 41.56  | 0.20  | 3.71  | 8.37  | 1.34  | 34.45  | 8.84  | 103.79  | 31.34  | 144.89  | 30.35  | 341.77  | 55.66  | 806.28  | 0.000044  | 158.39  | 0.24  |
| 14LH05-4.1\_103 | ME | 0.14  | 115.49  | 0.22  | 4.58  | 8.07  | 3.14  | 45.59  | 12.71  | 153.74  | 55.05  | 266.54  | 54.84  | 648.83  | 115.40  | 1484.34  | 0.000156  | 161.99  | 0.50  |
| 14LH05-4.1\_104 | ME | 0.16  | 10.25  | 0.08  | 0.86  | 4.41  | 0.46  | 19.86  | 6.69  | 86.17  | 29.17  | 121.65  | 25.90  | 276.93  | 45.35  | 627.94  | 0.000420  | 22.66  | 0.15  |
| 14LH05-4.1\_105 | ME | 0.21  | 119.91  | 0.57  | 11.92  | 17.90  | 6.27  | 66.92  | 16.98  | 182.73  | 57.99  | 266.61  | 56.59  | 614.21  | 108.39  | 1527.18  | 0.000242  | 85.50  | 0.55  |
| 14LH05-4.1\_106 | ME | 0.08  | 27.39  | 0.24  | 2.60  | 3.00  | 0.86  | 10.03  | 2.30  | 27.25  | 7.80  | 34.72  | 7.57  | 80.99  | 13.89  | 218.69  | 0.000670  | 50.28  | 0.48  |
| 14LH05-4.1\_108 | ME | 0.00  | 12.50  | 0.14  | 1.52  | 4.80  | 0.26  | 24.93  | 7.89  | 91.47  | 31.81  | 144.00  | 29.23  | 309.92  | 51.24  | 709.72  | 0.000000  | #DIV/0! | 0.07  |
| 14LH05-4.1\_11 | ME | 0.00  | 10.03  | 0.07  | 1.04  | 1.78  | 0.28  | 5.83  | 1.66  | 18.49  | 6.06  | 26.27  | 5.34  | 53.49  | 9.45  | 139.76  | 0.000000  | #DIV/0! | 0.27  |
| 14LH05-4.1\_111 | ME | 0.16  | 29.33  | 0.28  | 2.31  | 4.46  | 0.85  | 20.18  | 4.93  | 56.61  | 19.25  | 93.02  | 19.86  | 226.37  | 37.90  | 515.53  | 0.000505  | 33.75  | 0.28  |
| 14LH05-4.1\_112 | ME | 0.02  | 89.00  | 0.01  | 1.23  | 6.73  | 1.79  | 24.35  | 8.34  | 119.09  | 45.47  | 244.18  | 56.92  | 687.00  | 133.48  | 1417.61  | 0.000020  | 1586.23  | 0.43  |
| 14LH05-4.1\_113 | ME | 0.06  | 11.99  | 0.10  | 1.07  | 4.75  | 0.45  | 23.49  | 7.88  | 105.60  | 37.13  | 192.03  | 41.60  | 476.60  | 83.31  | 986.06  | 0.000094  | 37.04  | 0.13  |
| 14LH05-4.1\_114 | ME | 0.00  | 23.56  | 0.16  | 1.70  | 2.23  | 0.92  | 8.80  | 1.92  | 21.22  | 6.89  | 31.21  | 6.77  | 78.48  | 13.57  | 197.43  | 0.000000  | #DIV/0! | 0.64  |
| 14LH05-4.1\_115 | ME | 0.02  | 16.93  | 0.19  | 4.19  | 10.01  | 0.58  | 46.83  | 16.09  | 181.99  | 61.99  | 269.88  | 53.09  | 560.09  | 92.15  | 1314.00  | 0.000021  | 74.58  | 0.08  |
| 14LH05-4.1\_122 | ME | 0.06  | 28.16  | 0.18  | 2.92  | 6.23  | 0.69  | 22.39  | 6.55  | 67.62  | 20.67  | 90.13  | 18.20  | 183.82  | 29.25  | 476.87  | 0.000236  | 66.33  | 0.18  |
| 14LH05-4.1\_17 | ME | 0.01  | 10.45  | 0.05  | 0.77  | 1.51  | 0.22  | 5.54  | 1.69  | 17.54  | 5.88  | 25.51  | 5.22  | 57.92  | 9.88  | 142.19  | 0.000093  | 136.80  | 0.24  |
| 14LH05-4.1\_18 | ME | 0.07  | 4.86  | 0.01  | 0.47  | 1.64  | 0.19  | 9.35  | 2.94  | 35.23  | 12.81  | 63.00  | 13.73  | 149.03  | 26.86  | 320.18  | 0.000347  | 41.16  | 0.14  |
| 14LH05-4.1\_19 | ME | 0.02  | 4.61  | 0.04  | 0.87  | 2.55  | 0.26  | 13.70  | 4.36  | 49.69  | 16.90  | 78.20  | 17.60  | 182.20  | 30.99  | 402.00  | 0.000089  | 38.66  | 0.13  |
| 14LH05-4.1\_20 | ME | 0.04  | 24.40  | 0.09  | 1.98  | 2.59  | 1.02  | 12.27  | 3.46  | 40.77  | 13.87  | 65.02  | 13.54  | 149.51  | 27.12  | 355.69  | 0.000182  | 100.85  | 0.56  |
| 14LH05-4.1\_21 | ME | 0.30  | 3.87  | 0.13  | 0.82  | 1.94  | 0.12  | 9.41  | 2.94  | 37.26  | 13.32  | 60.43  | 12.91  | 133.49  | 24.59  | 301.53  | 0.001607  | 4.84  | 0.08  |
| 14LH05-4.1\_22 | ME | 22.35  | 119.55  | 18.07  | 95.60  | 25.33  | 2.77  | 40.10  | 7.57  | 66.05  | 19.26  | 73.36  | 14.11  | 145.84  | 21.63  | 671.60  | 0.109905  | 1.46  | 0.27  |
| 14LH05-4.1\_26 | ME | 0.01  | 4.71  | 0.04  | 0.67  | 1.84  | 0.09  | 10.22  | 3.06  | 35.00  | 11.85  | 53.78  | 11.16  | 119.71  | 19.78  | 271.93  | 0.000044  | 66.93  | 0.06  |
| 14LH05-4.1\_31 | ME | 0.04  | 7.42  | 0.04  | 0.93  | 1.31  | 0.18  | 7.23  | 2.25  | 25.29  | 8.59  | 41.42  | 8.84  | 94.77  | 17.11  | 215.43  | 0.000277  | 45.81  | 0.18  |
| 14LH05-4.1\_32 | ME | 0.00  | 3.88  | 0.05  | 0.69  | 0.94  | 0.09  | 6.70  | 2.20  | 26.95  | 9.12  | 43.43  | 9.40  | 98.88  | 17.54  | 219.88  | 0.000000  | #DIV/0! | 0.12  |
| 样品点 | 类型 | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | ∑REE | (La/Yb)N | Ce/Ce\* | Eu/Eu\* |
| 14LH05-4.1\_33 | ME | 0.00  | 5.06  | 0.09  | 0.83  | 2.47  | 0.29  | 14.80  | 4.35  | 47.11  | 15.83  | 67.30  | 13.82  | 138.75  | 24.32  | 335.03  | 0.000026  | 59.09  | 0.15  |
| 14LH05-4.1\_35 | ME | 0.01  | 11.49  | 0.10  | 1.13  | 1.70  | 0.27  | 8.71  | 2.19  | 23.76  | 7.44  | 31.44  | 5.76  | 57.81  | 10.07  | 161.88  | 0.000125  | 88.89  | 0.21  |
| 14LH05-4.1\_37 | ME | 0.01  | 8.24  | 0.06  | 0.77  | 0.88  | 0.35  | 3.02  | 0.79  | 7.56  | 2.31  | 10.82  | 2.56  | 25.46  | 5.07  | 67.88  | 0.000322  | 80.52  | 0.65  |
| 14LH05-4.1\_49 | ME | 0.03  | 36.94  | 0.10  | 1.44  | 4.04  | 1.41  | 18.62  | 5.58  | 62.54  | 20.04  | 93.82  | 19.17  | 204.86  | 37.87  | 506.46  | 0.000120  | 152.15  | 0.50  |
| 14LH05-4.1\_61 | ME | 0.11  | 11.98  | 0.11  | 1.40  | 2.01  | 0.50  | 5.08  | 1.47  | 15.69  | 5.59  | 28.91  | 6.16  | 66.06  | 11.35  | 156.41  | 0.001158  | 26.86  | 0.48  |
| 14LH05-4.1\_62 | ME | 0.05  | 52.45  | 0.05  | 1.22  | 2.66  | 1.25  | 13.55  | 3.79  | 41.44  | 14.36  | 72.61  | 16.03  | 181.02  | 38.40  | 438.88  | 0.000201  | 259.41  | 0.64  |
| 14LH05-4.1\_64 | ME | 8.90  | 64.05  | 1.94  | 10.61  | 4.77  | 1.98  | 20.93  | 5.61  | 62.67  | 21.35  | 100.39  | 21.06  | 225.75  | 40.71  | 590.72  | 0.028282  | 3.78  | 0.60  |
| 14LH05-4.1\_68 | ME | 0.01  | 20.11  | 0.13  | 2.84  | 4.65  | 0.35  | 21.27  | 5.89  | 61.92  | 17.84  | 75.36  | 13.88  | 147.33  | 22.90  | 394.48  | 0.000073  | 113.98  | 0.11  |
| 14LH05-4.1\_74 | ME | 0.02  | 14.71  | 0.18  | 2.83  | 6.71  | 0.53  | 25.16  | 6.34  | 53.64  | 11.23  | 35.33  | 5.66  | 47.92  | 6.07  | 216.32  | 0.000276  | 62.56  | 0.13  |
| 14LH05-4.1\_76 | ME | 0.03  | 33.66  | 0.25  | 3.28  | 5.17  | 0.68  | 22.86  | 6.10  | 65.32  | 19.82  | 89.20  | 17.58  | 187.44  | 28.41  | 479.79  | 0.000132  | 89.08  | 0.19  |
| 14LH05-4.1\_83 | ME | 0.03  | 23.90  | 0.09  | 2.19  | 1.85  | 1.59  | 9.17  | 2.44  | 26.70  | 7.57  | 34.61  | 6.73  | 81.82  | 14.55  | 213.23  | 0.000268  | 109.68  | 1.18  |
| 14LH05-4.1\_90 | ME | 142.47  | 300.77  | 32.59  | 144.29  | 36.69  | 4.15  | 93.40  | 21.43  | 212.74  | 59.84  | 259.91  | 49.52  | 528.93  | 81.80  | 1968.54  | 0.193216  | 1.08  | 0.22  |
| 14LH05-4.1\_92 | ME | 0.80  | 120.61  | 0.48  | 4.97  | 7.62  | 2.90  | 38.51  | 11.45  | 144.28  | 50.56  | 256.71  | 56.29  | 670.98  | 107.53  | 1473.70  | 0.000859  | 47.52  | 0.52  |
| 14LH05-4.1\_93 | ME | 0.35  | 149.03  | 0.34  | 5.11  | 9.69  | 4.62  | 51.85  | 14.49  | 187.47  | 65.20  | 338.90  | 75.92  | 940.06  | 168.02  | 2011.05  | 0.000269  | 106.31  | 0.63  |
| 14LH05-4.1\_94 | ME | 0.00  | 35.03  | 0.23  | 2.90  | 6.56  | 0.69  | 29.50  | 7.20  | 81.80  | 27.90  | 125.34  | 25.54  | 274.91  | 42.35  | 659.95  | 0.000000  | #DIV/0! | 0.15  |
| 14LH05-4.1\_96 | ME | 0.01  | 141.31  | 0.26  | 5.98  | 9.47  | 4.67  | 53.96  | 14.66  | 169.57  | 60.15  | 282.40  | 62.21  | 711.05  | 116.34  | 1632.04  | 0.000011  | 643.90  | 0.63  |
| 14LH05-4.1\_97 | ME | 0.14  | 100.79  | 0.52  | 9.92  | 15.67  | 6.29  | 69.11  | 17.25  | 184.91  | 55.88  | 258.25  | 51.11  | 572.73  | 94.25  | 1436.81  | 0.000176  | 91.88  | 0.58  |
| 14LH05-4.1\_98 | ME | 0.09  | 12.27  | 0.18  | 2.04  | 8.82  | 0.83  | 37.15  | 13.32  | 152.95  | 56.07  | 250.15  | 54.05  | 560.90  | 96.85  | 1245.66  | 0.000109  | 24.38  | 0.14  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

附表2 东阿拉善地块叠布斯格杂岩中黑云斜长片麻岩锆石LA-ICP-MS U–Pb定年结果

Apppendix table 2 LA-ICP-MS analyses of zircons from the Diebusige biotite-plagioclase gneiss

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 样品点 | 类型 | 同位素比值（10-6） | Th/U | 同位素比值 | 同位素年龄（Ma） | 谐和度 |
| TotalPb | CommonPb | 232Th | 238U | 207Pb/206Pb | 1 *σ* | 207Pb/235U | 1 *σ* | 206Pb/238U | 1 *σ* | 207Pb/206Pb | 1 *σ* | 207Pb/235U | 1 *σ* | 206Pb/238U | 1 *σ* |
| 14LH05-4.1\_01 | DE | 384.48  | 8.53  | 167.97  | 255.32  | 0.66  | 0.1275  | 0.0026  | 6.5401  | 0.1426  | 0.3708  | 0.0042  | 2065  | 35  | 2051  | 19  | 2033  | 20  | 99% |
| 14LH05-4.1\_04 | DE | 638.67  | 2.72  | 280.77  | 386.79  | 0.73  | 0.1255  | 0.0028  | 6.3948  | 0.1435  | 0.3679  | 0.0036  | 2036  | 40  | 2032  | 20  | 2019  | 17  | 99% |
| 14LH05-4.1\_10 | DE | 676.85  | 0.00  | 293.63  | 368.10  | 0.80  | 0.1314  | 0.0029  | 7.0194  | 0.1594  | 0.3851  | 0.0039  | 2116  | 39  | 2114  | 20  | 2100  | 18  | 99% |
| 14LH05-4.1\_101 | DE | 1305.83  | 0.00  | 1075.37  | 1015.66  | 1.06  | 0.1240  | 0.0033  | 6.3081  | 0.1658  | 0.3668  | 0.0037  | 2017  | 46  | 2020  | 23  | 2014  | 17  | 99% |
| 14LH05-4.1\_110 | DE | 722.14  | 163.68  | 526.98  | 658.25  | 0.80  | 0.1281  | 0.0027  | 6.7251  | 0.1442  | 0.3793  | 0.0032  | 2072  | 37  | 2076  | 19  | 2073  | 15  | 99% |
| 14LH05-4.1\_116 | DE | 688.47  | 162.82  | 553.33  | 650.51  | 0.85  | 0.1246  | 0.0028  | 6.5038  | 0.1781  | 0.3753  | 0.0051  | 2033  | 40  | 2046  | 24  | 2054  | 24  | 99% |
| 14LH05-4.1\_118 | DE | 1586.36  | 1.09  | 1360.90  | 1094.09  | 1.24  | 0.1244  | 0.0024  | 6.2897  | 0.1230  | 0.3649  | 0.0027  | 2021  | 34  | 2017  | 17  | 2005  | 13  | 99% |
| 14LH05-4.1\_120 | DE | 966.08  | 70.45  | 766.46  | 654.21  | 1.17  | 0.1293  | 0.0034  | 6.8735  | 0.1818  | 0.3839  | 0.0039  | 2100  | 46  | 2095  | 23  | 2094  | 18  | 99% |
| 14LH05-4.1\_13 | DE | 531.61  | 10.06  | 240.50  | 274.65  | 0.88  | 0.1284  | 0.0039  | 6.6789  | 0.2169  | 0.3743  | 0.0051  | 2076  | 54  | 2070  | 29  | 2049  | 24  | 99% |
| 14LH05-4.1\_14 | DE | 881.32  | 6.69  | 407.26  | 376.04  | 1.08  | 0.1274  | 0.0034  | 6.6640  | 0.1780  | 0.3768  | 0.0045  | 2062  | 46  | 2068  | 24  | 2061  | 21  | 99% |
| 14LH05-4.1\_15 | DE | 619.49  | 0.00  | 288.01  | 329.13  | 0.88  | 0.1251  | 0.0030  | 6.4395  | 0.1475  | 0.3706  | 0.0034  | 2031  | 42  | 2038  | 20  | 2032  | 16  | 99% |
| 14LH05-4.1\_16 | DE | 771.97  | 0.00  | 354.64  | 407.15  | 0.87  | 0.1260  | 0.0028  | 6.5255  | 0.1416  | 0.3724  | 0.0034  | 2042  | 39  | 2049  | 19  | 2041  | 16  | 99% |
| 14LH05-4.1\_23 | DE | 794.05  | 1.80  | 304.51  | 685.72  | 0.44  | 0.1246  | 0.0026  | 6.4367  | 0.1377  | 0.3716  | 0.0036  | 2033  | 38  | 2037  | 19  | 2037  | 17  | 99% |
| 14LH05-4.1\_24 | DE | 564.82  | 4.18  | 249.89  | 325.55  | 0.77  | 0.1246  | 0.0031  | 6.4747  | 0.1669  | 0.3738  | 0.0040  | 2033  | 44  | 2042  | 23  | 2047  | 19  | 99% |
| 14LH05-4.1\_30 | DE | 885.40  | 0.00  | 445.77  | 382.48  | 1.17  | 0.1246  | 0.0024  | 6.4008  | 0.1269  | 0.3694  | 0.0033  | 2033  | 34  | 2032  | 17  | 2026  | 16  | 99% |
| 14LH05-4.1\_44 | DE | 541.92  | 0.00  | 247.34  | 294.83  | 0.84  | 0.1271  | 0.0028  | 6.6083  | 0.1461  | 0.3758  | 0.0035  | 2058  | 39  | 2060  | 20  | 2057  | 16  | 99% |
| 14LH05-4.1\_47 | DE | 396.91  | 0.00  | 185.40  | 193.89  | 0.96  | 0.1252  | 0.0029  | 6.4429  | 0.1481  | 0.3707  | 0.0037  | 2032  | 41  | 2038  | 20  | 2033  | 17  | 99% |
| 14LH05-4.1\_48 | DE | 582.71  | 1.59  | 274.70  | 284.35  | 0.97  | 0.1275  | 0.0031  | 6.6048  | 0.1581  | 0.3731  | 0.0036  | 2065  | 43  | 2060  | 21  | 2044  | 17  | 99% |
| 14LH05-4.1\_50 | DE | 466.00  | 15.36  | 210.60  | 242.37  | 0.87  | 0.1255  | 0.0027  | 6.4511  | 0.1421  | 0.3709  | 0.0038  | 2036  | 39  | 2039  | 19  | 2033  | 18  | 99% |
| 14LH05-4.1\_55 | DE | 484.98  | 0.00  | 225.50  | 295.38  | 0.76  | 0.1230  | 0.0031  | 6.3564  | 0.1612  | 0.3733  | 0.0042  | 2067  | 50  | 2026  | 22  | 2045  | 20  | 99% |
| 样品点 | 类型 | 同位素比值（10-6） | Th/U | 同位素比值 | 同位素年龄（Ma） | 谐和度 |
| TotalPb | CommonPb | 232Th | 238U | 207Pb/206Pb | 1 *σ* | 207Pb/235U | 1 *σ* | 206Pb/238U | 1 *σ* | 207Pb/206Pb | 1 *σ* | 207Pb/235U | 1 *σ* | 206Pb/238U | 1 *σ* |
| 14LH05-4.1\_57 | DE | 630.00  | 9.09  | 305.35  | 332.24  | 0.92  | 0.1245  | 0.0024  | 6.3949  | 0.1262  | 0.3711  | 0.0039  | 2033  | 35  | 2032  | 17  | 2035  | 19  | 99% |
| 14LH05-4.1\_72 | DE | 1573.79  | 0.00  | 1160.69  | 1202.12  | 0.97  | 0.1269  | 0.0027  | 6.5939  | 0.1486  | 0.3751  | 0.0045  | 2055  | 39  | 2059  | 20  | 2053  | 21  | 99% |
| 14LH05-4.1\_75 | DE | 1669.31  | 0.00  | 1217.87  | 1170.88  | 1.04  | 0.1307  | 0.0027  | 7.0030  | 0.1476  | 0.3866  | 0.0043  | 2109  | 36  | 2112  | 19  | 2107  | 20  | 99% |
| 14LH05-4.1\_77 | DE | 1577.65  | 63.55  | 1138.35  | 1683.67  | 0.68  | 0.1237  | 0.0032  | 6.2099  | 0.1563  | 0.3619  | 0.0039  | 2010  | 45  | 2006  | 22  | 1991  | 19  | 99% |
| 14LH05-4.1\_78 | DE | 1296.40  | 12.10  | 977.15  | 837.59  | 1.17  | 0.1262  | 0.0029  | 6.5702  | 0.1530  | 0.3746  | 0.0038  | 2056  | 41  | 2055  | 21  | 2051  | 18  | 99% |
| 14LH05-4.1\_79 | DE | 969.79  | 0.00  | 634.33  | 1017.44  | 0.62  | 0.1257  | 0.0029  | 6.4927  | 0.1463  | 0.3719  | 0.0037  | 2039  | 42  | 2045  | 20  | 2038  | 17  | 99% |
| 14LH05-4.1\_80 | DE | 1573.07  | 86.17  | 891.76  | 2529.59  | 0.35  | 0.1230  | 0.0025  | 6.2521  | 0.1378  | 0.3655  | 0.0051  | 2067  | 35  | 2012  | 19  | 2008  | 24  | 99% |
| 14LH05-4.1\_81 | DE | 1401.88  | 0.00  | 1003.18  | 1106.40  | 0.91  | 0.1319  | 0.0031  | 7.1128  | 0.1652  | 0.3871  | 0.0041  | 2124  | 41  | 2126  | 21  | 2109  | 19  | 99% |
| 14LH05-4.1\_82 | DE | 1182.53  | 71.50  | 901.51  | 909.57  | 0.99  | 0.1275  | 0.0029  | 6.6791  | 0.1518  | 0.3760  | 0.0039  | 2065  | 36  | 2070  | 20  | 2057  | 18  | 99% |
| 14LH05-4.1\_84 | DE | 1525.26  | 0.00  | 1155.29  | 1018.78  | 1.13  | 0.1360  | 0.0035  | 7.5508  | 0.1856  | 0.3985  | 0.0044  | 2177  | 45  | 2179  | 22  | 2162  | 20  | 99% |
| 14LH05-4.1\_88 | DE | 1253.36  | 0.00  | 922.47  | 993.64  | 0.93  | 0.1256  | 0.0029  | 6.5380  | 0.1571  | 0.3757  | 0.0035  | 2037  | 41  | 2051  | 21  | 2056  | 17  | 99% |
| 14LH05-4.1\_89 | DE | 1663.77  | 39.38  | 1306.17  | 1483.49  | 0.88  | 0.1291  | 0.0031  | 6.8607  | 0.1979  | 0.3835  | 0.0060  | 2087  | 43  | 2094  | 26  | 2093  | 28  | 99% |
| 14LH05-4.1\_06 | ME | 677.60  | 0.00  | 324.46  | 364.06  | 0.89  | 0.1198  | 0.0029  | 5.8658  | 0.1449  | 0.3534  | 0.0039  | 1954  | 44  | 1956  | 21  | 1951  | 19  | 99% |
| 14LH05-4.1\_117 | ME | 3134.22  | 0.00  | 2381.14  | 3227.71  | 0.74  | 0.1201  | 0.0022  | 5.9011  | 0.1087  | 0.3546  | 0.0026  | 1958  | 33  | 1961  | 16  | 1956  | 12  | 99% |
| 14LH05-4.1\_34 | ME | 772.21  | 0.00  | 357.42  | 543.54  | 0.66  | 0.1205  | 0.0023  | 5.8975  | 0.1118  | 0.3519  | 0.0029  | 1965  | 33  | 1961  | 17  | 1944  | 14  | 99% |
| 14LH05-4.1\_42 | ME | 364.42  | 0.04  | 100.05  | 592.17  | 0.17  | 0.1188  | 0.0026  | 5.7580  | 0.1333  | 0.3502  | 0.0037  | 1939  | 39  | 1940  | 20  | 1935  | 18  | 99% |
| 14LH05-4.1\_43 | ME | 185.97  | 7.99  | 51.15  | 282.11  | 0.18  | 0.1197  | 0.0030  | 5.8418  | 0.1501  | 0.3525  | 0.0035  | 1952  | 45  | 1953  | 22  | 1947  | 17  | 99% |
| 14LH05-4.1\_60 | ME | 573.62  | 0.00  | 292.33  | 353.00  | 0.83  | 0.1188  | 0.0021  | 5.7699  | 0.1026  | 0.3505  | 0.0029  | 1939  | 31  | 1942  | 15  | 1937  | 14  | 99% |
| 14LH05-4.1\_65 | ME | 854.32  | 0.00  | 425.86  | 581.77  | 0.73  | 0.1198  | 0.0019  | 5.8395  | 0.0904  | 0.3515  | 0.0026  | 1953  | 29  | 1952  | 13  | 1942  | 12  | 99% |
| 14LH05-4.1\_66 | ME | 1521.37  | 0.00  | 1198.81  | 1306.24  | 0.92  | 0.1207  | 0.0024  | 5.9130  | 0.1211  | 0.3533  | 0.0039  | 1966  | 68  | 1963  | 18  | 1950  | 19  | 99% |
| 14LH05-4.1\_69 | ME | 966.24  | 33.43  | 630.31  | 1320.30  | 0.48  | 0.1192  | 0.0027  | 5.8090  | 0.1342  | 0.3511  | 0.0037  | 1946  | 42  | 1948  | 20  | 1940  | 18  | 99% |
| 14LH05-4.1\_85 | ME | 1211.96  | 98.20  | 533.12  | 2451.17  | 0.22  | 0.1201  | 0.0027  | 5.9040  | 0.1284  | 0.3534  | 0.0035  | 1957  | 41  | 1962  | 19  | 1951  | 17  | 99% |
| 14LH05-4.1\_95 | ME | 1173.85  | 75.47  | 983.84  | 952.52  | 1.03  | 0.1209  | 0.0029  | 5.9541  | 0.1510  | 0.3559  | 0.0039  | 1969  | 44  | 1969  | 22  | 1963  | 19  | 99% |
| 样品点 | 类型 | 同位素比值（10-6） | Th/U | 同位素比值 | 同位素年龄（Ma） | 谐和度 |
| TotalPb | CommonPb | 232Th | 238U | 207Pb/206Pb | 1 *σ* | 207Pb/235U | 1 *σ* | 206Pb/238U | 1 *σ* | 207Pb/206Pb | 1 *σ* | 207Pb/235U | 1 *σ* | 206Pb/238U | 1 *σ* |
| 14LH05-4.1\_99 | ME | 1509.95  | 0.00  | 1243.96  | 1340.29  | 0.93  | 0.1202  | 0.0024  | 5.9087  | 0.1182  | 0.3547  | 0.0029  | 1961  | 36  | 1963  | 17  | 1957  | 14  | 99% |
| 14LH05-4.1\_03 | ME | 264.84  | 4.91  | 107.83  | 300.49  | 0.36  | 0.1127  | 0.0024  | 5.1590  | 0.1180  | 0.3303  | 0.0037  | 1843  | 37  | 1846  | 19  | 1840  | 18  | 99% |
| 14LH05-4.1\_05 | ME | 579.42  | 2.01  | 288.22  | 300.13  | 0.96  | 0.1171  | 0.0028  | 5.6021  | 0.1377  | 0.3452  | 0.0038  | 1913  | 49  | 1916  | 21  | 1912  | 18  | 99% |
| 14LH05-4.1\_08 | ME | 445.40  | 0.00  | 185.42  | 459.76  | 0.40  | 0.1145  | 0.0026  | 5.3337  | 0.1283  | 0.3355  | 0.0034  | 1872  | 41  | 1874  | 21  | 1865  | 17  | 99% |
| 14LH05-4.1\_09 | ME | 241.47  | 9.25  | 85.98  | 328.41  | 0.26  | 0.1120  | 0.0025  | 5.0990  | 0.1185  | 0.3289  | 0.0040  | 1832  | 41  | 1836  | 20  | 1833  | 20  | 99% |
| 14LH05-4.1\_100 | ME | 639.62  | 0.00  | 471.68  | 848.99  | 0.56  | 0.1123  | 0.0026  | 5.1404  | 0.1246  | 0.3302  | 0.0042  | 1837  | 42  | 1843  | 21  | 1839  | 20  | 99% |
| 14LH05-4.1\_103 | ME | 1034.30  | 134.49  | 837.70  | 1059.78  | 0.79  | 0.1135  | 0.0026  | 5.2354  | 0.1189  | 0.3325  | 0.0029  | 1857  | 41  | 1858  | 19  | 1850  | 14  | 99% |
| 14LH05-4.1\_104 | ME | 369.32  | 231.92  | 171.57  | 828.59  | 0.21  | 0.1128  | 0.0032  | 5.0526  | 0.1363  | 0.3234  | 0.0036  | 1856  | 51  | 1828  | 23  | 1806  | 17  | 98% |
| 14LH05-4.1\_105 | ME | 995.57  | 96.37  | 884.50  | 732.26  | 1.21  | 0.1183  | 0.0027  | 5.7316  | 0.1315  | 0.3496  | 0.0032  | 1931  | 36  | 1936  | 20  | 1933  | 15  | 99% |
| 14LH05-4.1\_106 | ME | 739.73  | 0.00  | 614.73  | 799.98  | 0.77  | 0.1101  | 0.0026  | 5.1076  | 0.1280  | 0.3349  | 0.0039  | 1811  | 43  | 1837  | 21  | 1862  | 19  | 98% |
| 14LH05-4.1\_108 | ME | 506.43  | 49.77  | 244.10  | 1033.85  | 0.24  | 0.1147  | 0.0027  | 5.3965  | 0.1334  | 0.3397  | 0.0038  | 1876  | 42  | 1884  | 21  | 1885  | 18  | 99% |
| 14LH05-4.1\_11 | ME | 141.24  | 11.48  | 76.72  | 70.43  | 1.09  | 0.1135  | 0.0030  | 5.2498  | 0.1417  | 0.3355  | 0.0048  | 1857  | 48  | 1861  | 23  | 1865  | 23  | 99% |
| 14LH05-4.1\_111 | ME | 547.53  | 164.96  | 451.16  | 607.59  | 0.74  | 0.1101  | 0.0022  | 4.9737  | 0.1015  | 0.3263  | 0.0028  | 1811  | 36  | 1815  | 17  | 1820  | 14  | 99% |
| 14LH05-4.1\_112 | ME | 760.57  | 0.00  | 498.11  | 1105.42  | 0.45  | 0.1183  | 0.0022  | 5.5636  | 0.1086  | 0.3396  | 0.0028  | 1931  | 34  | 1910  | 17  | 1885  | 14  | 98% |
| 14LH05-4.1\_113 | ME | 1480.37  | 81.55  | 475.55  | 3599.54  | 0.13  | 0.1168  | 0.0022  | 5.5713  | 0.1084  | 0.3443  | 0.0029  | 1909  | 34  | 1912  | 17  | 1907  | 14  | 99% |
| 14LH05-4.1\_114 | ME | 566.04  | 0.00  | 481.94  | 587.12  | 0.82  | 0.1123  | 0.0023  | 5.1331  | 0.1113  | 0.3300  | 0.0031  | 1839  | 38  | 1842  | 18  | 1838  | 15  | 99% |
| 14LH05-4.1\_115 | ME | 1264.04  | 118.33  | 451.41  | 2938.63  | 0.15  | 0.1166  | 0.0021  | 5.5508  | 0.0998  | 0.3436  | 0.0025  | 1906  | 31  | 1908  | 16  | 1904  | 12  | 99% |
| 14LH05-4.1\_122 | ME | 468.72  | 23.62  | 341.17  | 680.30  | 0.50  | 0.1120  | 0.0024  | 5.1002  | 0.1162  | 0.3284  | 0.0035  | 1832  | 40  | 1836  | 19  | 1830  | 17  | 99% |
| 14LH05-4.1\_17 | ME | 298.59  | 1.46  | 146.39  | 218.16  | 0.67  | 0.1119  | 0.0026  | 5.1413  | 0.1227  | 0.3300  | 0.0039  | 1831  | 42  | 1843  | 20  | 1838  | 19  | 99% |
| 14LH05-4.1\_18 | ME | 702.85  | 0.00  | 110.53  | 1600.42  | 0.07  | 0.1128  | 0.0024  | 5.2246  | 0.1127  | 0.3325  | 0.0040  | 1856  | 39  | 1857  | 18  | 1850  | 19  | 99% |
| 14LH05-4.1\_19 | ME | 273.63  | 0.00  | 72.76  | 476.79  | 0.15  | 0.1130  | 0.0027  | 5.2418  | 0.1232  | 0.3336  | 0.0048  | 1850  | 43  | 1859  | 20  | 1856  | 23  | 99% |
| 14LH05-4.1\_20 | ME | 554.77  | 3.83  | 238.36  | 479.41  | 0.50  | 0.1164  | 0.0025  | 5.5477  | 0.1268  | 0.3416  | 0.0042  | 1902  | 39  | 1908  | 20  | 1894  | 20  | 99% |
| 14LH05-4.1\_21 | ME | 261.17  | 7.78  | 55.84  | 509.86  | 0.11  | 0.1127  | 0.0023  | 5.2034  | 0.1112  | 0.3323  | 0.0045  | 1843  | 37  | 1853  | 18  | 1849  | 22  | 99% |
| 样品点 | 类型 | 同位素比值（10-6） | Th/U | 同位素比值 | 同位素年龄（Ma） | 谐和度 |
| TotalPb | CommonPb | 232Th | 238U | 207Pb/206Pb | 1 *σ* | 207Pb/235U | 1 *σ* | 206Pb/238U | 1 *σ* | 207Pb/206Pb | 1 *σ* | 207Pb/235U | 1 *σ* | 206Pb/238U | 1 *σ* |
| 14LH05-4.1\_22 | ME | 423.69  | 6.84  | 130.58  | 591.66  | 0.22  | 0.1146  | 0.0025  | 5.3850  | 0.1225  | 0.3382  | 0.0044  | 1873  | 45  | 1882  | 20  | 1878  | 21  | 99% |
| 14LH05-4.1\_26 | ME | 183.54  | 0.38  | 70.78  | 207.55  | 0.34  | 0.1150  | 0.0024  | 5.3911  | 0.1214  | 0.3383  | 0.0045  | 1880  | 37  | 1883  | 19  | 1878  | 22  | 99% |
| 14LH05-4.1\_31 | ME | 205.50  | 3.70  | 57.19  | 285.53  | 0.20  | 0.1161  | 0.0023  | 5.3791  | 0.1179  | 0.3326  | 0.0035  | 1898  | 36  | 1882  | 19  | 1851  | 17  | 98% |
| 14LH05-4.1\_32 | ME | 232.30  | 0.00  | 62.89  | 364.78  | 0.17  | 0.1163  | 0.0020  | 5.5074  | 0.0990  | 0.3409  | 0.0033  | 1900  | 32  | 1902  | 15  | 1891  | 16  | 99% |
| 14LH05-4.1\_33 | ME | 256.47  | 0.00  | 91.92  | 293.17  | 0.31  | 0.1168  | 0.0021  | 5.5971  | 0.1010  | 0.3448  | 0.0029  | 1909  | 33  | 1916  | 16  | 1910  | 14  | 99% |
| 14LH05-4.1\_35 | ME | 234.66  | 8.04  | 113.00  | 173.70  | 0.65  | 0.1113  | 0.0026  | 5.0463  | 0.1158  | 0.3269  | 0.0034  | 1820  | 43  | 1827  | 19  | 1823  | 16  | 99% |
| 14LH05-4.1\_37 | ME | 212.40  | 1.70  | 102.39  | 147.27  | 0.70  | 0.1149  | 0.0029  | 5.3638  | 0.1398  | 0.3358  | 0.0038  | 1877  | 45  | 1879  | 22  | 1867  | 18  | 99% |
| 14LH05-4.1\_49 | ME | 615.63  | 2.15  | 298.30  | 537.25  | 0.56  | 0.1135  | 0.0026  | 5.2525  | 0.1278  | 0.3332  | 0.0042  | 1857  | 42  | 1861  | 21  | 1854  | 20  | 99% |
| 14LH05-4.1\_61 | ME | 379.69  | 0.00  | 168.96  | 370.51  | 0.46  | 0.1109  | 0.0020  | 4.9950  | 0.0981  | 0.3248  | 0.0032  | 1814  | 34  | 1818  | 17  | 1813  | 16  | 99% |
| 14LH05-4.1\_62 | ME | 1146.59  | 7.29  | 531.79  | 998.68  | 0.53  | 0.1171  | 0.0018  | 5.6126  | 0.0997  | 0.3451  | 0.0035  | 1913  | 29  | 1918  | 15  | 1911  | 17  | 99% |
| 14LH05-4.1\_64 | ME | 479.47  | 0.00  | 252.54  | 314.61  | 0.80  | 0.1146  | 0.0018  | 5.3551  | 0.0991  | 0.3369  | 0.0039  | 1874  | 24  | 1878  | 16  | 1872  | 19  | 99% |
| 14LH05-4.1\_68 | ME | 374.08  | 73.58  | 217.09  | 585.04  | 0.37  | 0.1139  | 0.0026  | 5.2852  | 0.1208  | 0.3350  | 0.0034  | 1863  | 43  | 1866  | 20  | 1862  | 17  | 99% |
| 14LH05-4.1\_74 | ME | 357.36  | 22.67  | 161.30  | 740.99  | 0.22  | 0.1137  | 0.0024  | 5.2787  | 0.1158  | 0.3348  | 0.0039  | 1861  | 38  | 1865  | 19  | 1861  | 19  | 99% |
| 14LH05-4.1\_76 | ME | 577.84  | 0.00  | 496.00  | 554.95  | 0.89  | 0.1101  | 0.0026  | 4.9548  | 0.1197  | 0.3248  | 0.0039  | 1811  | 42  | 1812  | 20  | 1813  | 19  | 99% |
| 14LH05-4.1\_83 | ME | 607.24  | 84.09  | 482.57  | 640.48  | 0.75  | 0.1153  | 0.0031  | 5.4540  | 0.1407  | 0.3394  | 0.0038  | 1885  | 48  | 1893  | 22  | 1884  | 18  | 99% |
| 14LH05-4.1\_90 | ME | 1150.04  | 72.40  | 560.66  | 2277.01  | 0.25  | 0.1180  | 0.0026  | 5.6787  | 0.1330  | 0.3481  | 0.0035  | 1928  | 40  | 1928  | 20  | 1926  | 17  | 99% |
| 14LH05-4.1\_92 | ME | 1351.22  | 34.38  | 999.05  | 1859.81  | 0.54  | 0.1161  | 0.0023  | 5.4702  | 0.1159  | 0.3414  | 0.0039  | 1898  | 35  | 1896  | 18  | 1894  | 19  | 99% |
| 14LH05-4.1\_93 | ME | 1423.35  | 0.00  | 1191.29  | 1513.17  | 0.79  | 0.1149  | 0.0023  | 5.3635  | 0.1170  | 0.3376  | 0.0039  | 1880  | 35  | 1879  | 19  | 1875  | 19  | 99% |
| 14LH05-4.1\_94 | ME | 371.76  | 0.00  | 307.57  | 370.39  | 0.83  | 0.1101  | 0.0026  | 5.0690  | 0.1303  | 0.3330  | 0.0038  | 1811  | 39  | 1831  | 22  | 1853  | 18  | 98% |
| 14LH05-4.1\_96 | ME | 1191.58  | 0.38  | 991.86  | 1094.44  | 0.91  | 0.1181  | 0.0025  | 5.6804  | 0.1220  | 0.3479  | 0.0033  | 1928  | 32  | 1928  | 19  | 1925  | 16  | 99% |
| 14LH05-4.1\_97 | ME | 810.84  | 0.00  | 710.66  | 611.66  | 1.16  | 0.1176  | 0.0025  | 5.6510  | 0.1232  | 0.3478  | 0.0034  | 1920  | 39  | 1924  | 19  | 1924  | 16  | 99% |
| 14LH05-4.1\_98 | ME | 1065.46  | 0.00  | 444.10  | 2452.93  | 0.18  | 0.1162  | 0.0024  | 5.4203  | 0.1130  | 0.3368  | 0.0031  | 1898  | 37  | 1888  | 18  | 1871  | 15  | 99% |

注：TotalPb：表示放射性成因Pb含量总和；CommonPb表示普通铅204Pb含量