附表2 底砾岩及部分花岗岩全岩地球化学成分(主量元素，%；微量元素，ug/g)，S-01-2为S-01重复样

Table S2. Whole rock geochemistry of two basal conglomerate samples and six granite samples (Major elements, %; Trace elements, ug/g). S-01-2 is duplicate of S-01.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | Id-01 | Id-04 | Id-06 | Id-17 | Id-25 | Id-26 | S-01 | S-01-2 | S-02 |
| SiO2 | 74.18 | 74.25 | 63.55 | 76.09 | 75.57 | 76.29 | 71.21 | 71.32 | 68.65 |
| TiO2 | 0.34 | 0.12 | 0.95 | 0.11 | 0.06 | 0.14 | 0.34 | 0.34 | 0.30 |
| Al2O3 | 11.94 | 13.48 | 15.49 | 12.33 | 12.85 | 13.73 | 14.03 | 14.08 | 13.45 |
| Fe2O3 | 2.48 | 1.45 | 4.7 | 1.14 | 1.16 | 0.87 | 1.27 | 1.27 | 1.72 |
| MnO | 0.05 | 0.04 | 0.08 | 0.05 | 0.04 | 0.01 | 0.03 | 0.03 | 0.05 |
| MgO | 0.59 | 0.26 | 2.25 | 0.11 | 0.04 | 0.04 | 0.36 | 0.38 | 0.45 |
| CaO | 1.7 | 0.66 | 4.98 | 0.88 | 0.86 | 0.05 | 1.92 | 1.93 | 3.49 |
| Na2O | 2.36 | 2.82 | 3.41 | 2.53 | 3.09 | 3.69 | 2.01 | 1.99 | 2.06 |
| K2O | 4.24 | 5.62 | 2.74 | 4.77 | 5.22 | 3.81 | 4.95 | 4.95 | 4.87 |
| P2O5 | 0.14 | 0.02 | 0.22 | 0.02 | 0.01 | 0.02 | 0.08 | 0.08 | 0.07 |
| LOI | 1.56 | 0.92 | 1.28 | 1.62 | 0.72 | 1.02 | 3.35 | 3.36 | 4.39 |
| SUM | 99.58 | 99.64 | 99.65 | 99.65 | 99.62 | 99.67 | 99.55 | 99.73 | 99.49 |
| Be | 3.24 | 9.09 | 2.21 | 6.77 | 4.51 | 7.11 | 1.54 | 1.49 | 1.65 |
| Sc | 6.43 | 5.50 | 16.30 | 5.70 | 2.94 | 2.34 | 6.46 | 6.32 | 5.80 |
| V | 22.34 | 7.92 | 128.45 | 6.45 | 2.22 | 2.01 | 21.4 | 21.2 | 20.6 |
| Cr | 7.97 | 5.79 | 18.72 | 11.53 | 6.27 | 4.69 | 4.76 | 4.58 | 3.52 |
| Co | 95.93 | 82.14 | 61.73 | 157.94 | 93.11 | 87.69 | 2.82 | 2.79 | 3.31 |
| Ni | 2.86 | 2.44 | 7.18 | 3.36 | 2.22 | 1.90 | 2.93 | 2.72 | 2.60 |
| Cu | 3.61 | 1.53 | 12.44 | 1.32 | 0.81 | 3.86 | 7.95 | 7.95 | 5.00 |
| Zn | 34.73 | 24.04 | 51.66 | 18.63 | 15.32 | 14.34 | 28.1 | 29.2 | 37.3 |
| Ga | 18.22 | 17.61 | 18.75 | 16.74 | 17.24 | 22.77 | 12.6 | 12.6 | 13.3 |
| Rb | 271.86 | 415.90 | 104.77 | 383.83 | 341.63 | 461.32 | 221 | 222 | 201 |
| Sr | 75.90 | 69.38 | 423.90 | 34.77 | 41.70 | 35.62 | 111 | 111 | 122 |
| Y | 31.80 | 63.65 | 29.68 | 71.57 | 40.12 | 40.92 | 54.7 | 54.6 | 19.6 |
| Zr | 175.00 | 123.23 | 175.84 | 102.53 | 90.80 | 187.36 | 210 | 205 | 160 |
| Nb | 20.43 | 22.72 | 16.06 | 19.24 | 14.77 | 77.71 | 15.0 | 14.9 | 12.7 |
| Cs | 7.36 | 20.58 | 9.41 | 18.79 | 7.02 | 5.58 | 13.6 | 13.6 | 8.20 |
| Ba | 336.31 | 198.52 | 535.36 | 91.49 | 93.85 | 55.40 | 796 | 800 | 775 |
| La | 48.57 | 18.61 | 37.05 | 20.86 | 15.87 | 80.37 | 14.5 | 14.4 | 19.4 |
| Ce | 103.90 | 38.07 | 76.91 | 41.91 | 32.68 | 139.11 | 27.8 | 27.6 | 55.1 |
| Pr | 11.48 | 5.01 | 8.77 | 5.46 | 4.34 | 13.05 | 3.38 | 3.33 | 5.16 |
| Nd | 40.06 | 18.99 | 31.76 | 20.08 | 15.92 | 37.82 | 14.1 | 14.3 | 19.2 |
| Sm | 8.17 | 5.79 | 6.30 | 6.02 | 4.42 | 6.10 | 3.51 | 3.38 | 4.07 |
| Eu | 0.86 | 0.48 | 1.35 | 0.34 | 0.32 | 0.23 | 0.79 | 0.81 | 0.88 |
| Gd | 7.00 | 6.25 | 5.81 | 6.55 | 4.30 | 5.94 | 3.92 | 3.94 | 3.79 |
| Tb | 1.10 | 1.46 | 1.00 | 1.56 | 0.90 | 1.01 | 0.66 | 0.66 | 0.60 |
| Dy | 5.44 | 9.02 | 5.16 | 9.67 | 5.25 | 5.66 | 4.30 | 4.31 | 3.48 |
| Ho | 0.97 | 1.94 | 1.01 | 2.12 | 1.13 | 1.23 | 0.99 | 1.03 | 0.67 |
| Er | 2.80 | 6.11 | 2.95 | 6.70 | 3.41 | 3.98 | 3.81 | 3.84 | 2.05 |
| Tm | 0.45 | 1.07 | 0.44 | 1.22 | 0.61 | 0.69 | 0.79 | 0.79 | 0.31 |
| Yb | 3.03 | 6.96 | 2.77 | 8.44 | 4.03 | 4.63 | 5.01 | 5.03 | 2.12 |
| Lu | 0.46 | 1.13 | 0.44 | 1.38 | 0.65 | 0.71 | 0.84 | 0.83 | 0.31 |
| Hf | 5.05 | 4.34 | 5.09 | 4.45 | 3.52 | 6.80 | 6.01 | 5.98 | 4.79 |
| Ta | 2.30 | 4.79 | 1.65 | 6.19 | 2.49 | 9.48 | 1.33 | 1.34 | 1.17 |
| Pb | 33.09 | 52.67 | 36.64 | 46.65 | 42.14 | 9.00 | 26.7 | 26.7 | 29.8 |
| Th | 31.62 | 29.12 | 19.23 | 30.22 | 38.00 | 72.20 | 26.9 | 27.0 | 26.1 |
| U | 8.23 | 13.58 | 4.58 | 14.45 | 11.71 | 12.12 | 2.71 | 2.70 | 2.89 |

花岗岩数据来源于本团队先前工作