

附表 1 肥东杂岩样品 LA-ICPMS 锆石 U-Pb 定年结果。

Table 1 LA-ICPMS zircon U-Pb date for samples from the Feidong complex

Spot	Element(ppm)		Th/U	Isotope Ratio						rho	Age (Ma)					
	Th	U		²⁰⁷ Pb/ ²⁰⁶ Pb	1σ	²⁰⁷ Pb/ ²³⁵ U	1σ	²⁰⁶ Pb/ ²³⁸ U	1σ		²⁰⁷ Pb/ ²⁰⁶ Pb	1σ	²⁰⁷ Pb/ ²³⁵ U	1σ	²⁰⁶ Pb/ ²³⁸ U	1σ
17YS05-01	552	442	1.25	0.0686	0.0016	1.1573	0.0203	0.1223	0.0008	0.3682	887	80.6	781	9.6	744	4.6
17YS05-02	793	492	1.61	0.0659	0.0010	1.1347	0.0184	0.1246	0.0010	0.4879	1200	33.3	770	8.8	757	5.7
17YS05-03	630	466	1.35	0.0637	0.0019	1.0640	0.0225	0.1208	0.0008	0.3245	731	64.8	736	11.1	735	4.8
17YS05-04	166	217	0.76	0.1220	0.0018	6.0637	0.1056	0.3598	0.0047	0.7470	1985	25.9	1985	15.2	1981	22.2
17YS05-05	619	420	1.47	0.0651	0.0014	1.0989	0.0181	0.1221	0.0009	0.4330	776	44.4	753	8.8	743	5.0
17YS05-06	580	506	1.15	0.0697	0.0012	1.0706	0.0182	0.1115	0.0009	0.4528	920	35.6	739	8.9	681	5.0
17YS05-07	610	458	1.33	0.0667	0.0017	1.0392	0.0216	0.1133	0.0010	0.4373	828	55	724	10.8	692	6.0
17YS05-08	661	481	1.37	0.0643	0.0022	1.0265	0.0233	0.1112	0.0009	0.3596	754	76.8	717	11.7	680	5.3
17YS05-09	374	340	1.10	0.0640	0.0010	1.0723	0.0192	0.1228	0.0015	0.6608	743	34.1	740	9.4	747	8.3
17YS05-10	147	476	0.31	0.1224	0.0035	0.7068	0.0199	0.0424	0.0004	0.3656	1992	51.4	543	11.8	268	2.7

17YS05-11	756	670	1.13	0.0660	0.0012	0.8188	0.0150	0.0915	0.0010	0.5885	806	37.0	607	8.4	564	5.9
17YS05-12	510	383	1.33	0.0673	0.0013	1.1379	0.0240	0.1239	0.0011	0.4287	856	40.7	772	11.4	753	6.4
17YS05-13	644	452	1.42	0.0706	0.0014	1.1219	0.0216	0.1162	0.0009	0.3813	946	39.7	764	10.4	709	4.9
17YS05-14	516	385	1.34	0.0670	0.0015	1.0376	0.0237	0.1128	0.0010	0.3995	839	46.3	723	11.8	689	6.0
17YS05-15	611	520	1.18	0.0656	0.0015	0.8946	0.0193	0.0993	0.0011	0.5314	792	48.1	649	10.4	610	6.7
17YS05-16	491	593	0.83	0.0701	0.0015	0.7886	0.0175	0.0816	0.0009	0.5058	931	44.4	590	9.9	506	5.5
17YS05-17	752	531	1.41	0.0671	0.0014	1.1584	0.0277	0.1250	0.0016	0.5507	839	42.6	781	13.0	759	9.4
17YS05-18	461	467	0.99	0.0646	0.0012	0.9798	0.0200	0.1096	0.0011	0.4760	761	37.0	693	10.3	671	6.2
17YS05-19	669	472	1.42	0.0636	0.0016	1.0760	0.0188	0.1226	0.0009	0.4311	728	55.6	742	9.2	746	5.3
17YS05-20	1291	413	3.12	0.0748	0.0017	1.4291	0.0329	0.1384	0.0010	0.3010	1063	46.3	901	13.8	836	5.5
17YS05-21	393	682	0.58	0.0805	0.0019	0.6685	0.0186	0.0605	0.0013	0.7646	1210	45.2	520	11.4	378	7.8
17YS05-22	630	531	1.19	0.0684	0.0011	0.9410	0.0194	0.0997	0.0015	0.7285	881	29.5	673	10.2	613	8.8
17YS05-23	608	414	1.47	0.0678	0.0016	1.0847	0.0273	0.1158	0.0010	0.3576	861	48.2	746	13.3	707	6.0
17YS05-24	646	942	0.69	0.0951	0.0029	0.5742	0.0159	0.0441	0.0004	0.3013	1531	57.9	461	10.2	278	2.3

17YS05-25	760	583	1.30	0.0670	0.0016	0.9698	0.0201	0.1048	0.0010	0.4499	839	50.0	688	10.4	642	5.7
17YS05-26	428	373	1.15	0.0678	0.0012	1.1579	0.0205	0.1239	0.0009	0.4056	861	32.4	781	9.7	753	5.1
17YS05-27	720	485	1.48	0.0657	0.0010	1.1213	0.0188	0.1239	0.0011	0.5080	798	31.5	764	9.0	753	6.1
17YS05-28	1517	415	3.66	0.0645	0.0013	0.8698	0.0189	0.0980	0.0008	0.3893	767	38.0	635	10.3	602	4.9
17YS05-29	224	478	0.47	0.1266	0.0015	6.0673	0.0824	0.3486	0.0030	0.6428	2052	20.5	1986	11.9	1928	14.6
17YS05-30	602	476	1.27	0.0645	0.0014	1.0745	0.0222	0.1215	0.0012	0.4599	761	44	741	10.9	739	6.7
17YS05-31	530	422	1.26	0.0659	0.0012	1.1025	0.0205	0.1220	0.0010	0.4378	1200	37.8	755	9.9	742	5.7
17YS05-32	839	620	1.35	0.0679	0.0010	1.0630	0.0157	0.1144	0.0012	0.7407	878	31.5	735	7.7	698	7.2
17YS05-33	231	215	1.07	0.0647	0.0015	1.0987	0.0260	0.1244	0.0022	0.7356	765	44.3	753	12.6	756	12.4
17YS05-34	651	619	1.05	0.0640	0.0012	0.6916	0.0148	0.0787	0.0011	0.6501	743	40	534	8.9	488	6.5
17YS05-35	486	417	1.16	0.0688	0.0015	1.0641	0.0262	0.1123	0.0013	0.4601	900	41	736	12.9	686	7.4
17YS06-01	191	560	0.34	0.1501	0.0019	3.7359	0.0849	0.1799	0.0034	0.8255	2347	21.9	1579	18.2	1066	18.5
17YS06-02	220	3520	0.06	0.0528	0.0014	0.1774	0.0032	0.0243	0.0002	0.3719	317	65.7	166	2.8	155	1.0
17YS06-03	233	3475	0.07	0.1397	0.0019	2.5346	0.0653	0.1309	0.0028	0.8307	2233	23.5	1282	18.8	793	16.0

17YS06-04	195	424	0.46	0.1569	0.0022	5.4636	0.0979	0.2519	0.0030	0.6720	2433	24	1895	15.4	1448	15.6
17YS06-05	932	1636	0.57	0.1329	0.0021	1.1627	0.0184	0.0634	0.0005	0.5365	2136	27.8	783	8.7	396	3.3
17YS06-06	2488	789	3.15	0.1518	0.0025	2.2943	0.0899	0.1089	0.0037	0.8641	2369	27.8	1211	27.7	667	21.4
17YS06-07	204	390	0.52	0.1573	0.0022	7.4207	0.1052	0.3426	0.0025	0.5059	2427	23.5	2163	12.8	1899	11.8
17YS06-08	114	213	0.54	0.1620	0.0027	10.0798	0.1667	0.4529	0.0041	0.5457	2476	28.9	2442	15.4	2408	18.2
17YS06-09	186	457	0.41	0.1627	0.0023	5.5040	0.0761	0.2464	0.0022	0.6435	2484	24.1	1901	11.9	1420	11.4
17YS06-10	1346	909	1.48	0.0692	0.0012	0.2436	0.0040	0.0257	0.0002	0.3699	906	36.6	221	3.3	163	1.0
17YS06-11	207	476	0.43	0.1501	0.0020	4.7420	0.1366	0.2287	0.0051	0.7786	2347	22.5	1775	24.2	1328	26.9
17YS06-12	76.3	137	0.56	0.1574	0.0028	10.2520	0.1394	0.4642	0.0039	0.6243	2427	29.5	2458	12.7	2458	17.4
17YS06-13	305	751	0.41	0.1368	0.0017	3.0360	0.0523	0.1612	0.0020	0.7194	2187	22.1	1417	13.2	963	11.1
17YS06-14	284	664	0.43	0.1527	0.0018	4.3515	0.0636	0.2068	0.0021	0.7074	2376	14.3	1703	12.1	1212	11.4
17YS06-15	111	226	0.49	0.1507	0.0023	3.8664	0.0652	0.1862	0.0021	0.6573	2353	26.1	1607	13.6	1101	11.2
17YS06-16	459	422	1.09	0.1510	0.0027	4.3834	0.0908	0.2099	0.0033	0.7644	2357	30.1	1709	17.2	1229	17.7
17YS06-17	139	289	0.48	0.1571	0.0023	6.7164	0.0950	0.3097	0.0031	0.7078	2424	25.3	2075	12.6	1739	15.3

17YS06-18	383	855	0.45	0.1520	0.0027	2.5057	0.0596	0.1197	0.0025	0.8705	2368	29.5	1274	17.3	729	14.3
17YS06-19	183	264	0.69	0.1534	0.0019	6.7067	0.1355	0.3164	0.0053	0.8358	2384	21.4	2074	17.9	1772	26.2
17YS06-20	245	310	0.79	0.1568	0.0022	8.9593	0.1244	0.4138	0.0032	0.5521	2421	29.2	2334	12.8	2232	14.5
17YS06-21	111	223	0.50	0.1545	0.0024	9.5307	0.1547	0.4468	0.0037	0.5063	2396	31.9	2391	15.0	2381	16.4
17YS06-22	192	368	0.52	0.1552	0.0020	6.7676	0.0983	0.3157	0.0025	0.5457	2406	21.1	2081	12.9	1769	12.3
17YS06-23	345	766	0.45	0.1448	0.0018	3.0825	0.0940	0.1534	0.0041	0.8680	2287	21.0	1428	23.4	920	22.7
17YS06-24	359	850	0.42	0.1372	0.0018	2.5156	0.0338	0.1329	0.0010	0.5752	2192	23.9	1277	9.8	804	5.9
17YS06-25	146	472	0.31	0.1474	0.0019	3.7782	0.0952	0.1848	0.0037	0.8021	2317	22.2	1588	20.3	1093	20.3
17YS06-26	152	261	0.58	0.1583	0.0023	9.9984	0.1672	0.4572	0.0050	0.6587	2439	24.1	2435	15.5	2427	22.3
17YS06-27	651	1862	0.35	0.1107	0.0015	0.7855	0.0191	0.0510	0.0008	0.6551	1810	24.2	589	10.9	321	5.0
17YS06-29	273	503	0.54	0.1586	0.0016	6.8304	0.0939	0.3113	0.0030	0.6951	2440	12.2	2090	12.3	1747	14.7
17YS06-30	81.9	223	0.37	0.1623	0.0018	10.1387	0.1194	0.4518	0.0030	0.5642	2480	18.8	2448	11.0	2403	13.4
17YS09-01	115	220	0.52	0.1623	0.0019	7.9374	0.0964	0.3545	0.0026	0.5965	2479	20.1	2224	11.1	1956	12.3
17YS09-02	143	384	0.37	0.1557	0.0019	5.5150	0.1473	0.2559	0.0059	0.8615	2410	20.4	1903	23.0	1469	30.2

17YS09-03	256	340	0.75	0.1607	0.0019	5.5343	0.0693	0.2496	0.0016	0.5092	2465	20.7	1906	10.9	1436	8.2
17YS09-04	96.2	329	0.29	0.1701	0.0040	6.2739	0.1397	0.2677	0.0020	0.3311	2558	38.7	2015	19.6	1529	10.1
17YS09-05	640	1078	0.59	0.1023	0.0019	0.8059	0.0303	0.0563	0.0012	0.5558	1678	34.4	600	17.1	353	7.2
17YS09-06	81.5	379	0.21	0.1554	0.0022	5.3925	0.0870	0.2514	0.0023	0.5765	2406	24.1	1884	13.9	1446	12.1
17YS09-07	265	790	0.34	0.1388	0.0021	2.2086	0.0795	0.1135	0.0030	0.7217	2213	25.9	1184	25.2	693	17.1
17YS09-08	182	573	0.32	0.1468	0.0017	3.9871	0.0579	0.1967	0.0020	0.7136	2310	14.7	1632	11.8	1158	11.0
17YS09-09	203	709	0.29	0.1497	0.0016	4.0324	0.0526	0.1948	0.0015	0.5725	2342	18.5	1641	10.7	1147	7.9
17YS09-10	181	523	0.35	0.1532	0.0018	4.1574	0.0635	0.1961	0.0018	0.6053	2383	20.4	1666	12.5	1154	9.8
17YS09-11	187	1137	0.16	0.1115	0.0021	1.1115	0.0435	0.0706	0.0018	0.6514	1824	33.2	759	20.9	440	10.8
17YS09-12	200	537	0.37	0.1492	0.0019	4.5876	0.1094	0.2228	0.0043	0.8159	2337	20.8	1747	19.9	1296	22.9
17YS09-13	76.5	316	0.24	0.1565	0.0022	5.5712	0.0912	0.2594	0.0034	0.7906	2418	24.1	1912	14.2	1487	17.2
17YS09-14	223	362	0.62	0.1621	0.0024	9.6077	0.1501	0.4319	0.0040	0.6000	2477	24.2	2398	14.5	2314	18.3
17YS09-15	144	603	0.24	0.1531	0.0026	4.0212	0.1222	0.1907	0.0047	0.8143	2381	29.3	1638	24.7	1125	25.6
17YS09-16	86.6	576	0.15	0.1535	0.0027	3.3715	0.0707	0.1604	0.0024	0.7160	2387	25.0	1498	16.5	959	13.4

17YS09-17	273	974	0.28	0.1503	0.0035	1.9428	0.0316	0.0956	0.0014	0.8694	2350	39.5	1096	10.9	589	8.0
17YS09-18	134	341	0.39	0.1593	0.0025	7.6043	0.2708	0.3424	0.0106	0.8714	2448	27.6	2185	32.0	1898	51.0
17YS09-19	162	349	0.47	0.1625	0.0023	6.5469	0.0940	0.2930	0.0023	0.5523	2483	23.8	2052	12.7	1657	11.6
17YS09-20	61.8	547	0.11	0.1495	0.0025	2.8379	0.1561	0.1355	0.0062	0.8344	2340	23.0	1366	41.3	819	35.3
17YS09-21	192	672	0.29	0.1434	0.0017	3.3991	0.1014	0.1705	0.0044	0.8579	2268	26.4	1504	23.4	1015	24.0
17YS09-22	219	498	0.44	0.1521	0.0020	4.9780	0.0694	0.2367	0.0015	0.4593	2369	21.9	1816	11.9	1369	7.9
17YS09-23	91.7	231	0.40	0.1628	0.0018	10.1306	0.1221	0.4505	0.0030	0.5445	2485	18.5	2447	11.3	2397	13.2
17YS09-24	131	289	0.45	0.1612	0.0020	9.7366	0.1243	0.4377	0.0026	0.4625	2468	20.4	2410	11.9	2340	11.7
17YS09-25	318	585	0.54	0.1420	0.0021	3.0336	0.0923	0.1535	0.0036	0.7624	2254	24.8	1416	23.2	921	19.9
17YS09-26	199	628	0.32	0.1397	0.0021	3.3593	0.0734	0.1737	0.0024	0.6331	2233	25.9	1495	17.1	1032	13.2
17YS09-27	136	733	0.19	0.1407	0.0018	2.8607	0.0399	0.1473	0.0010	0.5060	2236	22.5	1372	10.5	886	5.9
17YS09-28	148	372	0.40	0.1528	0.0018	5.6131	0.1479	0.2650	0.0059	0.8448	2377	15.6	1918	22.7	1515	30.1
17YS09-29	258	401	0.64	0.1612	0.0019	7.2079	0.0996	0.3231	0.0025	0.5640	2468	20.4	2137	12.4	1805	12.3
17YS09-30	204	495	0.41	0.1553	0.0023	5.0052	0.1813	0.2311	0.0074	0.8865	2405	25.8	1820	30.7	1340	38.9

17YS16-01	162	2731	0.06	0.0696	0.0019	0.2947	0.0103	0.0301	0.0005	0.4968	917	55.6	262	8.1	191	3.3
17YS16-02	240	450	0.53	0.1418	0.0032	4.3906	0.1093	0.2232	0.0031	0.5610	2250	38.3	1711	20.6	1299	16.4
17YS16-03	398	859	0.46	0.1131	0.0029	1.3012	0.0460	0.0818	0.0014	0.4944	1850	45.2	846	20.3	507	8.5
17YS16-04	271	1590	0.17	0.0922	0.0023	0.6110	0.0205	0.0474	0.0009	0.5784	1472	41.7	484	13.0	299	5.7
17YS16-05	124	414	0.30	0.1504	0.0030	6.7358	0.1848	0.3213	0.0055	0.6232	2350	33.5	2077	24.3	1796	26.8
17YS16-06	141	247	0.57	0.1576	0.0031	10.0466	0.2065	0.4588	0.0038	0.3977	2431	34.4	2439	19.1	2434	16.6
17YS16-07	576	1771	0.33	0.0993	0.0023	0.6793	0.0211	0.0487	0.0008	0.5260	1613	43.0525	526	12.8	307	4.9
17YS16-08	282	599	0.47	0.1363	0.0028	3.0741	0.0677	0.1625	0.0020	0.5535	2181	36.1	1426	16.9	971	11.0
17YS16-09	116	1882	0.06	0.0929	0.0023	0.5092	0.0207	0.0388	0.0009	0.5888	1487	52.8	418	13.9	246	5.8
17YS16-10	137	188	0.73	0.1574	0.0032	10.1344	0.2069	0.4642	0.0049	0.5180	2428	34.1	2447	18.9	2458	21.7
17YS16-11	238	537	0.44	0.1386	0.0031	3.6197	0.1249	0.1872	0.0048	0.7438	2210	40.3	1554	27.5	1106	26.1
17YS16-12	459	2157	0.21	0.0587	0.0018	0.2515	0.0107	0.0303	0.0006	0.4969	554	66.7	228	8.7	192	4.0
17YS16-13	225	635	0.35	0.1371	0.0031	2.9709	0.0658	0.1559	0.0015	0.4349	2191	40.0	1400	16.8	934	8.4
17YS16-14	250	608	0.41	0.1436	0.0030	3.1205	0.0865	0.1559	0.0029	0.6656	2271	37.2	1438	21.3	934	16.0

17YS16-15	190	1519	0.13	0.1183	0.0025	1.1327	0.0236	0.0689	0.0006	0.3902	1931	37.2	769	11.3	429	3.4
17YS16-16	184	448	0.41	0.1491	0.0033	4.8813	0.1994	0.2338	0.0077	0.8072	2335	36.9	1799	34.4	1354	40.3
17YS16-17	424	1372	0.31	0.0855	0.0024	0.5218	0.0184	0.0436	0.0008	0.5451	1328	58.3	426	12.3	275	5.2
17YS16-18	153	433	0.35	0.1423	0.0038	3.8565	0.1073	0.1950	0.0027	0.4923	2257	46.3	1605	22.5	1148	14.4
17YS16-19	146	238	0.61	0.1577	0.0042	9.8255	0.2522	0.4484	0.0047	0.4102	2432	44.3	2419	23.7	2388	21.1
17YS16-20	105	158	0.67	0.1569	0.0039	8.3480	0.2318	0.3829	0.0063	0.5894	2422	42.7	2270	25.2	2090	29.2
17YS16-21	94.7	514	0.18	0.1362	0.0031	2.8056	0.0860	0.1473	0.0028	0.6223	2179	40.6	1357	23.0	886	15.8
17YS16-22	210	960	0.22	0.1101	0.0023	1.2365	0.0272	0.0808	0.0009	0.4827	1811	38.3	817	12.4	501	5.1
17YS16-23	119	292	0.41	0.1592	0.0031	8.2316	0.1665	0.3724	0.0036	0.4810	2447	33.3	2257	18.4	2041	17.1
17YS16-24	141	2788	0.05	0.0764	0.0019	0.3748	0.0110	0.0351	0.0004	0.4332	1106	48.9	323	8.1	222	2.8
17YS16-25	295	811	0.36	0.1178	0.0028	1.4185	0.0401	0.0864	0.0013	0.5420	1924	42.3	897	16.8	534	7.9
17YS16-26	140	189	0.75	0.1597	0.0033	9.3673	0.1994	0.4233	0.0042	0.4608	2454	35.2	2375	19.6	2275	18.8
17YS16-27	213	967	0.22	0.1304	0.0027	1.7054	0.0371	0.0944	0.0010	0.4949	2103	36.7	1011	13.9	581	6.0
17YS16-28	254	638	0.40	0.1365	0.0030	2.4998	0.0620	0.1319	0.0017	0.5337	2184	37.5	1272	18.0	799	10.0

17YS16-29	512	1144	0.45	0.1036	0.0024	1.0926	0.0289	0.0762	0.0012	0.5936	1700	42.6	750	14.0	473	7.2
17YS16-30	174	746	0.23	0.1294	0.0029	2.0236	0.0504	0.1127	0.0013	0.4679	2100	39.8	1123	16.9	688	7.6
17YS18-01	89.5	211	0.42	0.1616	0.0018	10.3960	0.1308	0.4660	0.0036	0.6167	2472	18.7	2471	11.8	2466	16.0
17YS18-02	182	378	0.48	0.1627	0.0018	8.6008	0.1031	0.3828	0.0024	0.5229	2484	18.8	2297	11.0	2089	11.2
17YS18-03	263	465	0.57	0.1517	0.0018	5.1174	0.1032	0.2438	0.0038	0.7663	2365	21.5	1839	17.2	1407	19.5
17YS18-04	30.4	97.0	0.31	0.1646	0.0024	9.9312	0.1567	0.4368	0.0034	0.4948	2506	25.0	2428	14.7	2336	15.4
17YS18-05	151	485	0.31	0.1540	0.0022	4.8718	0.1557	0.2275	0.0059	0.8164	2391	24.1	1797	27.0	1321	31.2
17YS18-06	210	292	0.72	0.1625	0.0022	10.2752	0.1536	0.4578	0.0036	0.5247	2483	23.2	2460	13.9	2430	15.9
17YS18-07	69.9	118	0.59	0.1622	0.0024	10.4484	0.1783	0.4667	0.0049	0.6132	2480	25.0	2475	15.9	2469	21.5
17YS18-08	120	238	0.50	0.1627	0.0020	10.1462	0.1308	0.4518	0.0028	0.4824	2484	21.5	2448	12.0	2403	12.5
17YS18-09	135	327	0.41	0.1593	0.0018	7.6909	0.1254	0.3495	0.0043	0.7492	2450	24.2	2196	14.7	1932	20.4
17YS18-10	88.4	231	0.38	0.1622	0.0020	10.4248	0.1349	0.4660	0.0035	0.5832	2480	20.7	2473	12.1	2466	15.5
17YS18-11	225	395	0.57	0.1630	0.0020	9.6240	0.1304	0.4290	0.0031	0.5311	2487	20.4	2399	12.6	2301	14.0
17YS18-12	197	571	0.35	0.1576	0.0020	4.5705	0.0643	0.2113	0.0022	0.7273	2431	21.3	1744	11.8	1236	11.5

17YS18-13	263	572	0.46	0.1509	0.0018	4.6884	0.0561	0.2265	0.0013	0.4691	2367	21.0	1765	10.1	1316	6.7
17YS18-14	229	414	0.55	0.1615	0.0022	7.8779	0.1766	0.3555	0.0065	0.8172	2472	22.4	2217	20.2	1961	31.0
17YS18-15	212	364	0.58	0.1608	0.0024	7.7102	0.1150	0.3504	0.0026	0.4937	2465	30.7	2198	13.5	1936	12.4
17YS18-16	175	365	0.48	0.1589	0.0025	7.0952	0.1041	0.3269	0.0027	0.5609	2444	27.6	2123	13.1	1823	13.1
17YS18-17	120	247	0.48	0.1630	0.0024	9.7590	0.1436	0.4373	0.0036	0.5667	2487	30.1	2412	13.7	2338	16.4
17YS18-18	114	247	0.46	0.1559	0.0028	7.3792	0.1024	0.3376	0.0026	0.5482	2413	30.7	2158	12.5	1875	12.4
17YS18-19	145	321	0.45	0.1607	0.0019	8.1036	0.1375	0.3668	0.0046	0.7313	2465	20.4	2243	15.4	2015	21.5
17YS18-20	265	370	0.72	0.1590	0.0022	7.3841	0.1244	0.3377	0.0038	0.6641	2456	23.8	2159	15.1	1875	18.2
17YS18-21	314	649	0.48	0.1376	0.0018	3.1633	0.0413	0.1668	0.0013	0.6093	2198	22.2	1448	10.1	994	7.4
17YS18-22	300	606	0.49	0.1394	0.0017	4.2635	0.0651	0.2214	0.0022	0.6557	2220	21.8	1686	12.6	1290	11.7
17YS18-23	105	356	0.30	0.1493	0.0019	5.1977	0.0774	0.2525	0.0026	0.6810	2339	21.1	1852	12.7	1451	13.2
17YS18-24	150	275	0.54	0.1540	0.0019	8.1085	0.1075	0.3817	0.0026	0.5124	2391	22	2243	12.1	2084	12.2
17YS18-25	268	608	0.44	0.1360	0.0020	3.0774	0.0466	0.1640	0.0012	0.4644	2177	25.0	1427	11.6	979	6.4
17YS18-26	239	619	0.39	0.1465	0.0020	4.0992	0.0916	0.2023	0.0033	0.7310	2305	24.1	1654	18.3	1188	17.7

17YS18-27	115	222	0.52	0.1550	0.0021	8.6566	0.1235	0.4050	0.0027	0.4603	2402	18.1	2303	13.1	2192	12.3
17YS18-28	135	270	0.50	0.1532	0.0020	8.7266	0.1403	0.4126	0.0038	0.5763	2383	23.3	2310	14.7	2227	17.5
17YS18-29	142	211	0.67	0.1563	0.0024	9.9438	0.1608	0.4612	0.0032	0.4352	2417	25.9	2430	15.0	2445	14.4
17YS18-30	237	391	0.61	0.1495	0.0024	6.7737	0.1403	0.3281	0.0041	0.6036	2340	23.1	2082	18.4	1829	19.9
17YS14-01	210	310	0.68	0.1251	0.0028	6.3275	0.1410	0.3613	0.0038	0.4673	2029	39.0	2029	19.5	2007	17.9
17YS14-02	182	163	1.11	0.1251	0.0030	6.2961	0.1499	0.3609	0.0038	0.4465	2011	42.6	2010	20.9	1987	18.2
17YS14-03	482	271	1.78	0.1388	0.0037	4.9336	0.1502	0.2581	0.0066	0.8397	2213	46.3	1808	25.7	1480	33.8
17YS14-04	312	193	1.61	0.1315	0.0036	6.3394	0.1940	0.3633	0.0050	0.4751	2038	48.8	2021	25.2	2024	23.6
17YS14-05	119	270	0.44	0.1277	0.0035	6.3570	0.1908	0.3634	0.0052	0.4819	2046	48.1	2055	25.6	2022	24.3
17YS14-06	801	358	2.24	0.1309	0.0028	4.9798	0.1180	0.2743	0.0046	0.7043	2110	37.7	1816	20.1	1563	23.2
17YS14-07	311	269	1.16	0.1309	0.0029	5.8878	0.1276	0.3241	0.0041	0.5880	2111	38.9	1959	18.9	1810	20.1
17YS14-08	532	285	1.87	0.1323	0.0032	5.4091	0.1458	0.2934	0.0045	0.5676	2129	41.5	1886	0.0	1659	22.4
17YS14-09	631	375	1.68	0.1481	0.0033	5.2733	0.1168	0.2557	0.0025	0.4456	2324	37.2	1865	18.9	1468	13.0
17YS14-10	289	201	1.44	0.1308	0.0033	6.0142	0.1461	0.3302	0.0035	0.4377	2109	44.6	1978	21.2	1840	17.0

17YS14-11	316	380	0.83	0.1496	0.0035	4.8112	0.1308	0.2321	0.0047	0.7406	2343	40.7	1787	22.9	1345	24.5
17YS14-12	494	271	1.82	0.1348	0.0032	5.8271	0.1426	0.3104	0.0036	0.4701	2161	41.2	1950	21.2	1743	17.6
17YS14-13	627	408	1.54	0.1317	0.0035	5.3364	0.1560	0.2920	0.0058	0.6819	2121	46.3	1875	25.0	1652	29.1
17YS14-14	137	206	0.66	0.1300	0.0032	6.3278	0.2002	0.3621	0.0083	0.7439	2028	44.3	2021	26.6	2019	38.9
17YS14-15	250	299	0.84	0.1355	0.0038	5.5651	0.1689	0.2951	0.0040	0.4425	2172	49.8	1911	26.2	1667	19.7
17YS14-16	279	334	0.83	0.1389	0.0034	4.6580	0.1175	0.2414	0.0028	0.4538	2214	41.5	1760	21.1	1394	14.4
17YS14-17	235	529	0.44	0.1428	0.0034	5.5484	0.1343	0.2809	0.0044	0.6510	2261	40.7	1908	20.9	1596	22.3
17YS14-18	336	243	1.38	0.1313	0.0033	5.7701	0.1483	0.3187	0.0041	0.5007	2117	44.4	1942	22.3	1783	20.1
17YS14-19	133	188	0.71	0.1251	0.0027	6.2969	0.1505	0.3618	0.0038	0.4402	2011	43.7	2005	20.4	2004	18.0
17YS14-20	190	228	0.83	0.1336	0.0027	6.0011	0.1246	0.3246	0.0031	0.4572	2146	35.2	1976	18.1	1812	15.0
17YS14-21	259	272	0.95	0.1248	0.0026	4.9929	0.1127	0.2892	0.0035	0.5371	2026	37.0	1818	19.1	1638	17.6
17YS14-22	400	209	1.92	0.1332	0.0028	6.3224	0.1568	0.3615	0.0046	0.5380	2030	37.3	2070	20.8	1994	21.7
17YS14-23	485	385	1.26	0.1491	0.0041	4.8762	0.1336	0.2350	0.0036	0.5573	2336	47.4	1798	23.1	1361	18.7
17YS14-24	245	340	0.72	0.1530	0.0039	5.3022	0.1373	0.2494	0.0035	0.5475	2379	49.2	1869	22.2	1435	18.3

附表 2 肥东杂岩样品锆石稀土元素

Table 2 REE of zircon for samples from the Feidong Complex

Spot	REE (ppm)													
	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
17YS05-01	0.25	47.3	0.16	3.70	12.8	0.079	101.2	38.1	452	165	678	124	990	171
17YS05-02	0.29	63.2	1.17	15.5	38.4	0.16	234	80.1	908	319	1262	223	1700	285
17YS05-03	0.31	54.2	0.35	7.09	23.3	0.16	166	58.2	672	240	957	173	1346	227
17YS05-04	0.020	26.8	0.12	2.11	3.29	0.49	14.7	4.77	55.9	21.6	100.2	22.0	211	44.1
17YS05-05	0.025	51.6	0.34	8.71	30.6	0.14	197	67.2	758	266	1038	186	1452	242
17YS05-06	0.45	43.3	0.23	5.08	18.8	0.084	140	50.8	586	211	853	156	1238	213
17YS05-07	2.31	57.0	2.02	16.8	29.4	0.15	172	59.8	679	241	949	173	1367	227
17YS05-08	1.83	68.6	1.79	16.39	33.2	0.235	186.5	63.0	703	245	965	177	1383	235
17YS05-09	0.054	32.6	0.17	4.00	13.3	0.073	92.7	34.9	411	150	610	113.2	908	154
17YS05-10	2.42	18.7	0.72	4.28	3.71	0.013	25.6	11.1	148	60.2	279	60.7	568	109.5
17YS05-11	0.04	68.0	0.31	6.40	29.1	0.12	191	66.7	760	268	1053	194	1491	251
17YS05-12	0.18	42.0	1.16	16.9	38.4	0.19	198	62.8	689	233	889	160	1258	206
17YS05-13	0.44	44.9	2.21	30.6	66.1	0.22	294	93.0	922	285	1034	181	1371	221
17YS05-14	0.05	40.0	0.30	6.8	24.3	0.15	166	57.1	659	231	918	168	1329	221
17YS05-15	0.08	45.8	0.38	8.7	25.5	0.12	165	57.2	653	233	923	171	1366	226
17YS05-16	0.30	40.1	0.57	7.20	21.8	0.13	136	47.7	553	196	797	150	1197	205
17YS05-17	0.197	66.1	0.46	7.20	29.0	0.18	188	64.8	744	263	1032	189	1463	245
17YS05-18	0.027	34.1	0.13	3.17	12.8	0.101	96.6	35.7	422	155	634	120	965	168
17YS05-19	0.033	67.5	0.30	6.56	28.2	0.31	187	65.8	742	259	1026	185	1437	240
17YS05-20	2.10	60.8	2.04	17.32	35.71	0.206	193.1	67.9	765	264	1045	190	1443	247

17YS05-21	0.069	34.9	0.70	4.18	14.7	0.64	102	35.6	421	154	656	131	1174	220
17YS05-22	0.050	55.5	0.38	6.30	25.0	0.18	164	58.9	691	246	982	180	1404	236
17YS05-23	0.01	47.6	0.35	8.27	28.8	0.22	189	65.4	739	260	1041	185	1455	239
17YS05-24	7.01	56.0	2.65	17.0	21.0	0.25	97.9	32.9	374	130	544	105.8	917	174
17YS05-25	0.111	88.3	0.32	6.25	20.6	0.104	144	51.4	586	208	848	157	1265	219
17YS05-26	0.060	35.1	0.17	3.64	13.9	0.080	100.6	36.6	436	159	655	121	974	166
17YS05-27	0.34	56.6	0.56	9.67	30.6	0.17	202	70.7	812	286	1130	203	1579	264
17YS05-28	0.050	27.9	0.11	2.07	9.6	0.033	70.0	25.9	316	120	509	96.3	814	141
17YS05-29	3.60	28.8	1.36	9.03	6.53	0.70	21.0	6.19	65.8	22.6	96	20.0	178	35.0
17YS05-30	0.11	48.1	0.33	6.9	22.0	0.09	154	54.9	654	232	943	170	1332	232
17YS05-31	0.025	46.9	0.18	4.50	19.0	0.182	133	48.0	566	204	838	153	1214	207
17YS05-32	0.02	84.1	0.22	3.85	18.0	0.12	143	49.5	578	213	843	153	1232	206
17YS05-33	0.005	24.9	0.116	2.43	9.69	0.053	73.1	26.8	321	119.6	502	92.8	760	133
17YS05-34	0.048	51.6	0.32	6.55	24.4	0.11	164	59.0	685	248	1012	187	1542	268
17YS05-35	1.90	54.9	1.95	18.31	29.4	0.116	152.5	50.8	562	200	793	144	1145	194
17YS06-01	25.35	59.4	5.75	25.22	13.81	2.34	31.8	7.73	69.3	21.0	89.5	20.1	225	48.3
17YS06-02	82.4	141	21.4	84.0	29.1	13.4	39.4	12.3	135	51.5	314	106	1481	323
17YS06-03	41.0	265	20.4	93.0	47.9	22.4	71.8	20.8	197	63.0	329	98.5	1232	248
17YS06-04	2.88	16.4	1.38	8.66	7.42	1.25	27.9	8.93	100.1	37.2	174	38.0	372	81.1
17YS06-05	57.0	142	18.8	87.9	51.0	8.35	94.8	25.4	210	56.0	241	59.7	709	152
17YS06-06	1287	2095	262	1012	224	20.1	191	30.9	192	43.0	167	37.6	402	83.4
17YS06-07	0.12	6.82	0.26	2.82	4.82	1.61	19.7	5.31	51.7	16.9	70.6	14.8	138	27.5
17YS06-08	1.77	17.7	0.91	6.27	5.76	0.70	19.5	6.15	67.2	24.5	108	22.8	218	44.5
17YS06-09	8.0	30.9	3.39	21.2	17.7	1.90	58.9	16.9	179	62.5	261	53.1	478	94

17YS06-10	5.58	40.5	2.99	17.3	13.1	2.66	48.1	14.1	156	56.8	246	51.4	482	95.5
17YS06-11	1.25	12.5	0.96	8.78	10.8	2.38	38.9	10.0	91.7	28.1	108	21.6	198	37.8
17YS06-12	0.0037	21.3	0.029	0.71	1.81	0.34	6.18	1.81	20.7	8.31	40.7	9.96	105	23.8
17YS06-13	0.56	20.9	0.68	4.80	6.82	1.51	31.9	10.10	105	35.8	150	31.1	290	56.1
17YS06-14	5.07	28.4	2.40	14.9	11.8	1.97	43.7	13.6	149	56.3	252	54.1	517	105
17YS06-15	3.35	12.2	1.68	9.15	7.49	1.26	23.1	6.67	65.7	22.8	100.7	22.8	241	51.6
17YS06-16	0.71	34.0	0.55	3.38	3.74	0.76	14.9	4.71	52.9	20.7	104	25.1	283	63.1
17YS06-17	0.33	12.5	0.46	4.88	6.54	1.26	35.0	10.6	121	44.9	198	39.5	364	72.3
17YS06-18	5.76	31.9	3.12	19.4	14.0	3.10	39.0	10.0	90.5	28.7	123	28.4	310	66.4
17YS06-19	4.67	38.4	1.82	9.21	5.49	1.18	18.3	5.03	54.1	20.5	94.8	21.8	224	49.8
17YS06-20	0.09	33.7	0.20	2.81	5.58	1.37	21.3	5.91	65.6	23.8	108	24.0	244	52.5
17YS06-21	0.013	12.3	0.10	1.61	3.57	0.61	18.5	6.44	71.9	28.0	123	26.7	246	51.6
17YS06-22	6.98	25.1	2.47	13.5	7.51	0.91	26.5	7.99	88.2	33.8	157	33.2	324	68.0
17YS06-23	2.88	42.8	1.74	10.18	9.03	1.47	36.0	11.9	141	53.7	249	56.0	580	119
17YS06-24	2.15	19.9	1.37	9.4	11.9	2.51	53.1	16.3	180	66.8	287	58.0	533	105
17YS06-25	3.60	21.1	1.66	9.35	6.83	1.19	26.3	7.96	89.4	32.0	153	34.7	363	77.4
17YS06-26	0.060	15.0	0.16	2.80	5.67	0.65	27.9	9.65	107	40.5	181	37.0	331	66.8
17YS06-27	99.3	227	27.7	117	43.9	8.20	66.4	18.9	179	58.0	277	71.2	819	169
17YS06-28	0.0000	410	0.0000	1484	1186	655	4872	169	664	0.0000	480	0.0000	0.0000	165
17YS06-29	0.58	12.2	0.73	9.60	15.9	3.85	75.4	21.3	225	78.9	329	64.0	577	112
17YS06-30	0.066	5.74	0.16	2.86	4.38	1.97	24.0	7.27	79.3	30.8	138	29.2	276	58.7
17YS16-01	0.72	25.3	1.18	9.57	8.70	3.18	33.0	10.1	109	39.1	194	32.6	317	65.6
17YS16-02	1.54	21.0	0.79	7.16	6.41	1.48	26.6	8.87	103	37.9	210	38.2	374	80.8
17YS16-03	1.91	20.7	1.99	25.0	31.8	8.71	76.9	15.4	133	44.5	247	46.7	492	103

17YS16-04	0.79	20.3	1.50	18.7	17.4	8.33	57.5	14.1	132	42.4	223	39.4	395	83.0
17YS16-05	0.068	15.8	0.16	1.96	3.30	0.42	21.1	7.14	85.4	31.1	166	28.4	263	52.3
17YS16-06	0.043	10.6	0.28	4.77	7.86	0.72	34.3	11.5	135	46.3	239	39.0	344	69.9
17YS16-07	288	659	83.4	429	166	9.98	321	64.5	490	127	543	80.8	691	124
17YS16-08	0.22	20.1	0.41	5.81	8.31	1.00	40.3	13.9	166	62.4	327	55.3	541	110
17YS16-09	0.58	34.3	1.77	39.5	57.2	38.7	136	25.9	210	61.9	290	48.6	459	90.1
17YS16-10	0.85	22.6	0.56	5.65	6.72	1.17	33.0	11.1	136	49.3	262	44.8	414	84.4
17YS16-11	15.4	48.1	3.77	15.8	7.83	1.65	34.8	11.6	134	46.1	237	37.8	334	66.7
17YS16-12	0.79	20.2	1.33	20.1	18.0	4.91	38.5	10.4	104	38.3	219	41.1	422	96.2
17YS16-13	5.11	24.7	2.42	16.4	8.84	1.32	24.4	7.26	79.7	29.5	165	30.5	308	65.4
17YS16-14	0.45	29.5	0.77	8.10	5.20	2.35	19.5	6.44	77.7	29.3	165	31.5	321	71.2
17YS16-15	0.97	25.3	1.42	21.5	26.7	5.89	69.6	14.3	137	47.9	246	43.2	420	87.0
17YS16-16	0.66	19.1	0.67	7.28	9.70	1.20	44.9	14.0	154	54.6	273	44.0	397	79.4
17YS16-17	2.06	34.3	2.01	14.1	14.3	3.23	53.8	17.8	208	77.9	425	72.2	708	150
17YS16-18	0.17	11.4	0.26	3.94	3.14	2.14	17.9	6.04	75.4	27.9	155	27.7	268	57.2
17YS16-19	0.012	15.7	0.16	2.87	4.68	0.85	24.6	8.24	98.0	36.9	192	32.9	299	64.8
17YS16-20	6.33	28.1	3.22	22.4	15.3	3.12	50.5	14.2	147	50.2	234	37.0	325	66.2
17YS16-21	0.53	13.4	0.45	3.59	2.81	0.84	10.9	3.75	43.9	17.4	107	22.4	243	55.4
17YS16-22	0.60	24.5	0.68	9.69	10.8	2.38	25.0	6.00	63.3	24.3	138	25.8	273	62.1
17YS16-23	0.0073	10.6	0.089	1.52	2.92	0.40	17.6	6.62	79.9	29.9	157	26.7	260	54.5
17YS16-24	6.65	109	6.73	57.9	35.1	18.4	70.3	12.9	111	40.5	234	44.1	468	101
17YS16-25	0.32	14.7	0.49	4.84	5.40	2.93	24.3	8.32	101	40.3	226	41.5	431	95.3
17YS16-26	0.33	14.5	0.11	2.56	4.26	0.75	25.8	8.68	104	40.0	210	33.8	317	65.8
17YS16-27	0.54	18.0	0.75	12.1	10.1	1.98	23.5	6.53	77.1	31.3	183	35.2	345	76.0

17YS16-28	0.39	19.5	0.39	3.48	4.05	1.07	17.6	5.94	75.9	29.8	176	32.8	331	75.4
17YS16-29	256	635	82.9	382	93.0	3.30	106	21.4	211	73.3	390	62.2	577	113
17YS16-30	0.53	13.9	0.42	3.55	2.73	1.17	15.4	6.02	74.9	30.6	181	33.2	340	74.6
17YS09-01	0.071	11.0	0.17	3.14	5.30	0.85	23.9	7.29	82.4	30.3	133	27.4	258	53.0
17YS09-02	1.59	17.2	1.33	11.4	13.5	2.96	51.5	14.8	153	51.8	213	42.7	380	75.4
17YS09-03	0.69	26.4	0.41	3.31	3.30	0.99	13.9	4.12	46.6	16.5	75.2	16.4	166	35.8
17YS09-04	0.88	9.00	1.32	14.0	20.7	4.43	77.1	23.2	235	73.1	282	54.6	483	91.4
17YS09-05	3.05	38.8	1.38	12.1	11.8	3.22	56.1	19.2	226	83.0	359	75.5	692	133
17YS09-06	0.25	8.60	0.19	2.19	3.51	1.10	19.4	6.50	77.8	30.7	145	32.4	326	71.2
17YS09-07	2.44	23.8	1.29	7.57	7.73	2.90	34.4	12.2	143	53.2	245	51.7	491	100
17YS09-08	0.86	16.3	0.51	4.17	4.01	1.31	22.2	7.46	89.4	32.5	151	33.0	313	63.7
17YS09-09	0.45	9.9	0.34	3.00	4.48	0.75	27.1	11.0	136	50.9	225	45.7	411	79.8
17YS09-10	2.11	22.3	1.30	8.53	7.52	1.75	26.2	8.69	94.0	34.5	160	36.9	370	83.8
17YS09-11	2.04	20.3	1.35	9.24	8.01	6.44	32.6	12.6	153	59.2	276	64.2	663	146
17YS09-12	0.39	12.1	0.50	5.42	7.92	2.14	40.5	12.6	144	53.8	232	47.5	434	87.4
17YS09-13	0.20	11.8	0.17	1.65	2.78	0.54	14.3	4.92	60.8	23.6	112	24.9	254	55.1
17YS09-14	0.11	11.2	0.55	7.00	12.0	2.27	57.7	17.4	191	68.4	283	54.0	468	92.4
17YS09-15	0.59	18.3	0.96	10.6	14.2	2.72	53.8	16.2	164	56.7	239	50.6	479	95.1
17YS09-16	1.91	19.8	1.18	6.98	7.22	4.09	31.3	10.6	121	44.1	199	43.1	416	85.0
17YS09-17	2.21	18.8	1.35	8.10	6.77	3.04	26.6	9.41	115	45.5	233	56.5	597	130
17YS09-18	0.59	9.90	0.57	5.84	8.75	1.89	37.1	11.5	118	42.6	180	36.1	320	63.5
17YS09-19	0.63	18.2	0.49	6.70	9.7	1.81	42.5	12.9	137	47.6	203	40.9	373	74.4
17YS09-20	2.53	22.2	1.30	8.04	7.42	3.65	27.8	8.90	102	36.2	156	32.6	300	59.3
17YS09-21	0.87	21.0	1.12	9.83	12.0	2.52	48.5	15.1	155	52.1	220	47.5	451	92.3

17YS09-22	0.36	12.7	0.40	5.02	7.84	1.26	40.1	12.6	143	53.4	233	47.3	424	83.8
17YS09-23	0.26	9.22	0.15	2.42	4.57	0.81	21.8	6.70	77.7	28.9	126	25.8	236	48.0
17YS09-24	0.026	13.4	0.092	1.42	3.42	0.59	19.4	6.69	78.4	30.3	139	29.9	287	60.6
17YS09-25	4.48	39.6	1.55	9.38	7.05	2.07	26.4	8.68	102	39.2	185	40.8	398	83.8
17YS09-26	0.63	12.0	0.43	3.26	4.11	0.95	22.0	7.53	87.9	32.7	144	30.3	278	55.5
17YS09-27	0.89	12.8	0.51	3.95	3.90	1.35	17.6	6.12	76.1	29.7	146	34.4	353	73.1
17YS09-28	0.35	11.2	0.33	3.32	4.91	1.13	27.5	8.69	101	38.0	169	35.4	331	67.2
17YS09-29	0.28	26.2	0.39	4.68	8.14	1.16	38.3	12.5	140	51.0	223	44.3	393	77.1
17YS09-30	12.7	50.7	3.80	19.7	12.3	2.07	43.7	13.2	147	51.9	228	47.0	436	90.0
17YS18-01	0.15	6.53	0.37	1.68	3.66	0.95	16.5	5.38	60.0	22.9	103	21.5	201	42.2
17YS18-02	0.10	10.9	0.32	4.62	7.74	1.35	40.2	12.6	142	53.1	233	47.8	433	86.5
17YS18-03	0.22	18.4	0.29	4.69	5.64	1.11	28.7	9.40	107	41.3	180	36.9	341	67.0
17YS18-04	0.021	8.25	0.054	0.63	1.42	0.75	6.99	2.20	25.1	10.16	51.2	12.16	132	32.2
17YS18-05	0.70	14.8	0.40	4.59	6.40	0.98	29.8	9.9	109	41.4	184	39.3	370	75.0
17YS18-06	0.071	12.0	0.53	6.95	10.0	1.67	46.8	14.4	160	59.2	251	49.1	436	84.3
17YS18-07	0.0160	9.19	0.116	2.02	3.95	0.50	19.1	5.98	67.2	24.9	109	22.0	195	39.1
17YS18-08	0.11	13.6	0.09	1.36	2.88	0.53	16.0	5.36	61.5	24.0	112	23.3	218	44.2
17YS18-09	0.057	11.4	0.12	1.66	2.83	0.40	15.6	5.35	64.0	24.0	116	25.1	246	52.1
17YS18-10	0.083	9.25	0.088	1.33	2.81	0.45	17.0	5.57	65.9	25.4	117	24.2	228	46.7
17YS18-11	0.044	22.4	0.13	2.68	5.69	0.31	30.3	10.34	119	44.7	199	40.1	361	71.5
17YS18-12	0.39	19.1	0.44	4.69	6.14	5.65	31.0	10.3	120	45.7	208	43.6	408	81.1
17YS18-13	11.4	43.0	2.37	10.9	6.28	0.67	25.2	8.61	103	39.5	180	37.1	341	66.7
17YS18-14	0.20	19.6	0.27	3.66	6.31	0.81	31.1	10.6	123	46.5	208	42.3	392	77.7
17YS18-15	0.11	8.60	0.42	6.40	12.2	1.97	56.9	16.7	181	63.1	268	52.1	458	89.6

17YS18-16	4.31	29.3	1.50	8.63	5.28	2.48	23.7	7.81	92.8	35.2	156	32.2	297	57.5
17YS18-17	0.62	14.4	0.21	2.87	4.67	0.88	22.3	7.01	79.6	30.6	140	29.0	267	55.4
17YS18-18	0.47	7.85	0.32	2.46	3.67	0.64	16.2	4.89	54.3	19.9	87.4	18.0	166	32.7
17YS18-19	0.10	10.5	0.41	6.63	9.38	3.56	41.0	12.6	138	50.0	210	42.0	379	74.6
17YS18-20	0.35	23.7	0.46	3.85	6.01	1.72	32.1	10.01	115	44.0	192	40.0	360	70.8
17YS18-21	0.31	16.9	0.42	5.11	6.69	1.11	34.6	11.3	134	51.8	233	49.6	468	94.5
17YS18-22	0.68	18.1	0.55	6.74	10.3	1.60	50.3	16.3	189	68.9	299	59.9	536	105
17YS18-23	0.066	6.37	0.21	3.80	6.74	1.41	33.4	10.1	113	40.4	178	38.2	364	75.3
17YS18-24	1.65	12.8	0.92	5.64	5.68	1.02	23.6	6.96	75.1	26.3	113	22.7	205	40.3
17YS18-25	0.71	17.4	0.53	5.02	7.17	0.99	36.7	12.4	148	56.0	252	51.2	472	93.5
17YS18-26	0.84	15.6	0.79	6.18	7.46	1.47	31.0	9.81	116	44.1	198	41.9	412	84.8
17YS18-27	0.16	13.5	0.13	2.14	4.52	0.94	23.9	7.82	89.0	33.5	146	29.9	270	54.0
17YS18-28	0.062	12.3	0.20	3.15	4.68	0.91	25.4	8.40	97	36.4	166	34.7	323	66.9
17YS18-29	0.020	10.1	0.29	5.15	8.66	1.56	39.2	11.7	132	46.4	194	38.3	338	66.1
17YS18-30	0.068	14.1	0.12	2.36	4.20	0.70	23.1	6.98	84.3	32.0	147	29.9	282	56.9
17YS14-01	1.65	23.6	0.91	7.10	6.95	0.90	28.2	8.95	102	37.9	175	35.6	329	64.9
17YS14-02	1.90	19.7	2.00	20.4	26.8	10.6	73.4	14.9	131	44.3	192	42.1	409	85.7
17YS14-03	0.39	13.5	0.83	10.2	12.0	3.38	54.2	16.4	183	69.1	294	58.8	524	104
17YS14-04	0.25	25.9	0.29	3.17	5.39	1.51	25.8	7.72	91.9	35.3	162	35.0	325	67.8
17YS14-05	0.21	15.3	0.24	2.24	2.84	1.24	14.1	4.50	55.2	23.5	122	28.8	285	62.0
17YS14-06	2.13	49.9	3.02	34.3	29.4	16.51	54.1	9.67	84.0	27.9	123.2	27.5	287	60.6
17YS14-07	1.68	48.4	3.13	41.5	34.5	13.1	62.4	13.2	135	52.4	251	55.0	540	105
17YS14-08	0.67	19.4	0.66	7.74	11.6	1.14	52.5	15.5	172	62.6	271	52.2	467	90.5
17YS14-09	0.13	42.4	0.83	14.2	16.9	1.78	61.0	15.0	152	51.0	208	40.6	362	73.1

17YS14-10	0.0089	9.71	0.059	0.98	2.54	0.26	15.8	4.53	52.2	19.5	86.0	18.2	165	34.0
17YS14-11	1.95	32.5	2.27	33.4	32.8	7.83	63.4	14.1	136	49.5	223	47.7	450	92.6
17YS14-12	0.38	12.0	0.60	6.19	6.42	1.71	19.3	4.51	49.3	18.9	88.3	19.3	189	38.2
17YS14-13	1.28	18.8	0.85	10.4	12.2	3.62	44.3	11.2	118	43.7	199	42.8	419	86.7
17YS14-14	2.70	20.1	1.61	17.9	21.5	8.16	54.6	11.2	104	36.6	182	42.2	429	87.4
17YS14-15	1.02	30.6	0.73	8.7	12.7	3.85	38.0	10.54	113	41.8	196	41.4	408	82.3
17YS14-16	0.015	11.5	0.23	4.27	7.3	1.06	30.7	9.1	98	33.8	142	28.2	255	50.7
17YS14-17	0.19	24.5	0.61	9.16	10.00	4.11	36.1	9.50	104	39.4	179	36.7	342	68.1
17YS14-18	1.12	33.5	1.72	20.4	23.0	3.97	71.3	16.4	162	56.3	243	47.3	435	85.1
17YS14-19	0.56	16.1	0.38	4.62	5.91	1.61	24.5	7.44	88.1	34.3	162	35.9	353	75.5
17YS14-20	0.39	21.5	0.45	3.88	5.12	0.94	24.2	7.82	94.3	35.7	167	34.0	322	64.6
17YS14-21	0.12	12.7	0.25	4.18	6.17	0.82	34.3	10.4	119	42.0	182	35.2	322	61.5
17YS14-22	1.48	7.27	0.69	4.25	2.81	1.73	10.4	4.56	65.8	28.8	155	38.1	397	83.7
17YS14-23	0.59	30.3	0.52	5.06	8.7	2.04	39.9	12.9	150	56.8	258	52.9	486	95.2
17YS14-24	0.42	16.9	0.65	5.78	6.52	2.80	25.1	7.29	87.7	38.1	197	49.5	548	123

附表 3 肥东杂岩样品主微量元素分析结果。

Table 3 Maior and trace element data for samples from the Feidong complex

Sample							
No.	17YS03	17YS05	17YS06	17YS09	17YS14	17YS16	17YS18
Major Element (Wt.%)							
SiO ₂	78.07	77.15	68.99	73.32	48.07	66.95	70.97
TiO ₂	0.07	0.07	0.40	0.54	3.47	0.64	0.61
Al2O ₃	12.13	11.89	18.21	12.13	12.12	12.91	12.85

Fe ₂ O ₃ ^T	1.10	1.32	1.12	4.53	18.51	6.46	4.76
MgO	0.13	0.09	0.52	1.51	4.86	1.81	1.46
MnO	0.01	0.01	0.03	0.05	0.24	0.05	0.04
CaO	0.99	0.41	4.89	1.57	7.98	1.93	2.15
Na ₂ O	3.15	2.91	4.32	2.68	2.40	3.19	2.53
K ₂ O	4.23	5.49	1.92	3.92	1.17	3.69	2.75
P ₂ O ₅	0.03	0.01	0.04	0.06	0.65	0.08	0.04
LOI	0.56	0.55	0.46	0.48	0.56	1.54	1.38
Total	100.47	99.87	100.90	100.79	100.02	99.25	99.54
Mg#	18.97	11.94	47.91	39.77	34.22	35.69	37.80
ALK	7.38	8.40	6.22	6.60	3.57	6.88	5.28
A/CNK	1.05	1.04	1.01	1.05	0.61	1.01	1.16
A/NK	1.24	1.11	1.99	1.40	2.32	1.40	1.80
Trace Element (ppm)							
Li	3.07	1.71	0.28	17.64	17.11	20.99	16.34
Be	3.07	2.13	8.19	1.34	2.09	3.31	1.82
Sc	0.41	0.64	1.83	10.80	42.10	12.67	11.98
V	6.20	2.43	10.81	54.25	308.40	86.44	62.43
Cr	0.92	0.82	5.72	73.32	55.79	112.69	88.14
Co	1.89	0.66	2.45	10.35	46.46	14.43	13.33
Ni	1.62	0.53	5.26	24.17	47.73	46.93	30.37
Cu	53.34	36.88	16.58	13.29	108.33	18.88	7.31
Zn	12.63	24.96	18.55	85.38	172.90	77.80	80.70
Ga	18.00	19.04	25.64	18.77	23.26	25.11	20.04

Ge		0.81	1.44	1.20	1.93	1.28	1.19
Rb	84.71	95.41	60.75	130.48	37.68	121.58	90.49
Sr	273.86	125.23	226.36	130.74	211.25	161.12	299.36
Y	18.55	26.66	68.43	31.40	75.13	27.21	18.07
Zr	332.79	367.31	185.99	278.49	398.33	237.07	301.18
Nb	5.84	8.81	13.86	16.78	23.84	16.45	12.87
Cs	0.89	0.26	0.09	1.61	1.36	3.00	2.23
Ta	0.93	0.36	1.59	1.02	1.43	1.18	0.67
Pb	40.05	41.68	24.56	22.13	10.80	19.69	24.75
Th	11.10	11.56	11.59	20.08	7.04	24.54	25.12
U	5.27	1.14	4.29	4.42	1.22	4.41	3.32
Hf	12.27	10.71	5.96	7.16	9.77	6.64	7.87
Ba	709.47	447.33	796.97	842.37	658.78	985.70	495.78
REE (ppm)							
La	24.40	9.69	42.98	47.16	44.59	58.47	51.12
Ce	54.15	23.90	90.25	91.06	94.45	116.88	99.80
Pr	6.84	3.36	11.08	10.50	12.10	13.49	11.32
Nd	25.58	13.39	42.54	38.63	52.13	49.55	40.96
Sm	5.92	3.94	11.53	7.08	12.16	9.13	7.29
Eu	0.36	0.08	1.50	1.10	3.06	1.49	1.27
Gd	4.07	3.89	11.50	6.38	13.50	7.83	6.03
Tb	0.52	0.67	2.03	0.91	2.16	1.01	0.72
Dy	2.90	4.34	11.02	5.42	13.58	5.38	3.63
Ho	0.63	0.91	1.73	1.06	2.77	0.96	0.63

Er	1.74	2.66	4.56	3.10	7.96	2.68	1.76
Tm	0.26	0.38	0.74	0.44	1.13	0.38	0.25
Yb	1.62	2.44	5.41	2.83	7.26	2.48	1.68
Lu	0.23	0.35	0.75	0.41	1.08	0.37	0.26
Eu/Eu*	0.22	0.07	0.40	0.50	0.73	0.54	0.59
(La/Yb)N	10.79	2.85	5.70	11.97	4.40	16.92	21.88
ΣREE	129.20	70.02	237.59	216.07	267.92	270.10	226.74

附表 4 肥东群片麻岩锆石 Lu-Hf 同位素分析结果。

Table 4 LA-MC-ICPMS zircon Lu-Hf isotopes for the gneiss from the Feidong complex

spot	$^{176}\text{Yb}/^{177}\text{Hf}$	2 σ	$^{176}\text{Lu}/^{177}\text{Hf}$	2 σ	$^{176}\text{Hf}/^{177}\text{Hf}$	2 σ	$\varepsilon_{\text{Hf}}(\text{t})$	2 σ	$T_{\text{DM1}}(\text{Ma})$	$T_{\text{DM2}}(\text{Ma})$	注
17YS06-4	0.038597	0.002146	0.001411	0.000039	0.281178	0.000026	-3.6	0.93	2919	3184	
17YS06-5	0.034582	0.002277	0.001360	0.000128	0.281456	0.000035	6.4	1.27	2533	2575	√
17YS06-6	0.031563	0.004097	0.001194	0.000187	0.281254	0.000025	-0.5	0.95	2799	2997	
17YS06-7	0.026659	0.001297	0.000923	0.000033	0.281267	0.000061	0.4	2.17	2762	2942	
17YS06-8	0.062142	0.005024	0.002594	0.000266	0.281267	0.000037	-2.4	1.39	2887	3112	
17YS06-9	0.067688	0.002780	0.002429	0.000181	0.281300	0.000028	-0.9	1.05	2828	3023	
17YS06-10	0.063946	0.004361	0.002686	0.000236	0.281282	0.000034	-2.0	1.27	2873	3088	
17YS06-11	0.020134	0.000707	0.000716	0.000025	0.281370	0.000026	4.4	0.93	2607	2696	√
17YS06-12	0.037047	0.002036	0.001321	0.000066	0.281233	0.000042	-1.5	1.48	2837	3056	
17YS06-21	0.033926	0.000840	0.001310	0.000042	0.281149	0.000024	-4.4	0.85	2951	3235	
17YS06-26	0.036725	0.001439	0.001417	0.000060	0.281216	0.000027	-2.2	0.98	2868	3103	
17YS06-27	0.072811	0.004465	0.002981	0.000191	0.281508	0.000038	5.5	1.37	2572	2629	√
17YS06-30	0.042212	0.001444	0.001642	0.000051	0.281294	0.000021	0.2	0.74	2776	2956	

17YS16-5	0.018911	0.000168	0.000650	0.000034	0.281213	0.000020	-1.1	0.70	2815	3031
17YS16-6	0.025979	0.000143	0.000875	0.000011	0.281115	0.000017	-4.9	0.62	2964	3265
17YS16-7	0.036102	0.000155	0.001227	0.000043	0.281228	0.000021	-1.5	0.74	2837	3056
17YS16-8	0.031261	0.000414	0.001120	0.000047	0.281283	0.000021	0.7	0.74	2754	2926
17YS16-10	0.028993	0.000321	0.000938	0.000017	0.281125	0.000019	-4.7	0.68	2956	3251
17YS16-11	0.023759	0.000248	0.000787	0.000013	0.281190	0.000020	-2.1	0.71	2855	3093
17YS16-12	0.032381	0.000591	0.001085	0.000033	0.281202	0.000021	-2.2	0.74	2862	3099
17YS16-13	0.019688	0.000343	0.000708	0.000024	0.281067	0.000016	-6.4	0.56	3016	3352
17YS16-14	0.027339	0.000247	0.000945	0.000024	0.281101	0.000019	-5.5	0.69	2988	3302
17YS16-15	0.027030	0.000333	0.000984	0.000013	0.281218	0.000021	-1.5	0.75	2833	3055
17YS16-16	0.027409	0.000182	0.000881	0.000023	0.281204	0.000019	-1.8	0.67	2845	3075
17YS16-19	0.024384	0.000323	0.000863	0.000016	0.281172	0.000022	-2.9	0.78	2886	3142
17YS16-20	0.019698	0.000164	0.000675	0.000018	0.281236	0.000017	-0.3	0.59	2786	2983
17YS16-21	0.025387	0.000183	0.000951	0.000061	0.281134	0.000027	-4.4	0.98	2944	3232
17YS16-22	0.020756	0.000209	0.000743	0.000041	0.281118	0.000016	-4.6	0.59	2950	3246
17YS16-23	0.021105	0.000261	0.000709	0.000012	0.281125	0.000017	-4.3	0.59	2938	3227
17YS16-25	0.024646	0.000580	0.000931	0.000059	0.281181	0.000022	-2.7	0.77	2879	3129
17YS16-26	0.027102	0.000096	0.000946	0.000034	0.281073	0.000021	-6.5	0.75	3026	3363
17YS16-28	0.023794	0.000201	0.000811	0.000037	0.281083	0.000024	-5.9	0.85	3002	3327
17YS16-29	0.033296	0.000450	0.001116	0.000039	0.281194	0.000016	-2.5	0.58	2875	3119
17YS16-30	0.023178	0.000196	0.000846	0.000020	0.281067	0.000028	-6.6	1.00	3026	3365
17YS09-1	0.030227	0.000978	0.001019	0.000042	0.281157	0.000022	-3.7	0.78	2918	3190
17YS09-5	0.052095	0.001706	0.001637	0.000016	0.281139	0.000029	-5.3	1.02	2990	3290
17YS09-6	0.044157	0.002541	0.001513	0.000081	0.281367	0.000062	3.0	2.20	2666	2784

17YS09-8	0.021992	0.001029	0.000804	0.000020	0.281201	0.000030	-1.7	1.07	2842	3072	
17YS09-14	0.047255	0.002064	0.001547	0.000044	0.281158	0.000026	-4.5	0.92	2958	3241	
17YS09-17	0.061295	0.010477	0.001881	0.000180	0.281435	0.000044	4.8	1.61	2598	2674	√
17YS09-18	0.032583	0.001053	0.001088	0.000039	0.281134	0.000020	-4.6	0.73	2954	3245	
17YS09-19	0.023622	0.000554	0.000835	0.000022	0.281121	0.000034	-4.6	1.20	2952	3247	
17YS09-21	0.028628	0.002586	0.000973	0.000078	0.281247	0.000035	-0.4	1.24	2793	2991	
17YS09-23	0.026926	0.000915	0.000906	0.000019	0.281177	0.000028	-2.8	1.00	2882	3134	
17YS09-24	0.035190	0.001004	0.001077	0.000039	0.281115	0.000025	-5.3	0.90	2980	3286	
17YS09-28	0.042359	0.002889	0.001402	0.000104	0.281121	0.000030	-5.6	1.08	2997	3305	
17YS18-1	0.030155	0.000879	0.001015	0.000024	0.281133	0.000022	-4.5	0.79	2950	3240	
17YS18-6	0.032978	0.002627	0.001084	0.000068	0.281114	0.000023	-5.3	0.84	2981	3288	
17YS18-7	0.026162	0.000778	0.000853	0.000030	0.281080	0.000024	-6.1	0.85	3010	3339	
17YS18-8	0.026906	0.000628	0.001108	0.000040	0.281140	0.000021	-4.4	0.75	2948	3235	
17YS18-10	0.022276	0.001728	0.000725	0.000033	0.281087	0.000025	-5.7	0.90	2990	3310	
17YS18-11	0.029239	0.001835	0.000938	0.000022	0.281107	0.000017	-5.3	0.61	2980	3289	
17YS18-12	0.028710	0.001692	0.000923	0.000027	0.281129	0.000023	-4.5	0.81	2949	3240	
17YS18-14	0.028329	0.002498	0.000922	0.000052	0.281169	0.000030	-3.1	1.07	2894	3153	
17YS18-16	0.027276	0.001789	0.000897	0.000033	0.281144	0.000032	-3.9	1.13	2926	3204	
17YS18-17	0.017871	0.000835	0.000557	0.000014	0.281113	0.000019	-4.4	0.67	2942	3236	
17YS18-22	0.045684	0.001270	0.001538	0.000033	0.281163	0.000023	-4.3	0.83	2950	3230	
17YS18-23	0.044116	0.002129	0.001610	0.000036	0.281244	0.000033	-1.6	1.16	2843	3061	
17YS18-25	0.033758	0.001269	0.001125	0.000018	0.281112	0.000025	-5.4	0.89	2987	3296	
17YS18-27	0.021132	0.001105	0.000685	0.000016	0.281104	0.000018	-5.0	0.66	2964	3269	
17YS18-29	0.029699	0.001121	0.000963	0.000043	0.281143	0.000031	-4.1	1.10	2933	3214	

注：打勾的为剔除的核边混合区域数据点

