

Table S2 Lu-Hf isotopic analysis results of the granitic gneiss in the northern Dabie Orogen

Spot	Age(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	2σ	$\varepsilon_{\text{Hf}}(0)$	$\varepsilon_{\text{Hf}}(t)$	2σ	$T_{\text{DM1}}(\text{Ma})$	2σ	$T_{\text{DM2}}(\text{Ma})$	2σ	$f_{\text{Lu/Hf}}$
Lu-Hf isotopic data of sample D7													
D7-01	716	0.069605	0.001572	0.282183	0.000015	-18.9	-5.79	0.77	1530	22	1834	210	-0.95
D7-02	758	0.088842	0.002087	0.282238	0.000017	-18.3	-3.21	0.85	1473	27	1726	194	-0.94
D7-03	767	0.095609	0.002396	0.282255	0.000014	-18.6	-2.57	0.75	1460	22	1697	181	-0.93
D7-04	766	0.140910	0.003235	0.282246	0.000016	-20.5	-3.36	0.84	1509	26	1740	193	-0.90
D7-05	726	0.044226	0.001053	0.282192	0.000014	-19.3	-5.02	0.77	1497	21	1800	201	-0.97
D7-06	761	0.046166	0.001157	0.282226	0.000014	-20.7	-3.12	0.75	1453	21	1723	185	-0.97
D7-07	774	0.062088	0.001490	0.282187	0.000014	-19.7	-4.36	0.76	1520	22	1801	197	-0.96
D7-08	759	0.068121	0.001625	0.282214	0.000016	-21.0	-3.80	0.80	1488	24	1759	196	-0.95
D7-09	728	0.070989	0.001734	0.282177	0.000013	-19.0	-5.83	0.73	1545	20	1846	206	-0.95
D7-10	741	0.114085	0.002631	0.282234	0.000016	-20.8	-3.96	0.84	1500	26	1753	198	-0.92
D7-11	742	0.066496	0.001524	0.282183	0.000013	-21.9	-5.20	0.73	1527	20	1822	200	-0.95
D7-12	740	0.027708	0.000722	0.282153	0.000014	-22.3	-5.92	0.75	1537	21	1860	209	-0.98
D7-13	764	0.072282	0.001735	0.282216	0.000013	-19.7	-3.70	0.74	1490	21	1757	189	-0.95
D7-14	764	0.067098	0.001543	0.282211	0.000016	-19.9	-3.77	0.79	1490	24	1761	195	-0.95
D7-15	725	0.061881	0.001431	0.282202	0.000012	-20.1	-4.85	0.71	1497	19	1789	196	-0.96
D7-16	770	0.027460	0.000853	0.282187	0.000011	-20.7	-4.12	0.68	1495	17	1785	187	-0.97
D7-17	731	0.039635	0.000998	0.282176	0.000012	-21.1	-5.44	0.71	1516	18	1827	201	-0.97
D7-18	749	0.050001	0.001331	0.282181	0.000014	-20.9	-5.03	0.77	1522	21	1818	202	-0.96
D7-19	753	0.075589	0.001852	0.282203	0.000014	-20.1	-4.42	0.76	1512	22	1788	197	-0.94
D7-20	745	0.088736	0.002169	0.282203	0.000013	-20.1	-4.77	0.74	1526	20	1801	198	-0.93
D7-21	775	0.044178	0.001150	0.282154	0.000014	-21.8	-5.33	0.76	1553	21	1855	204	-0.97
D7-22	748	0.020981	0.000681	0.282159	0.000011	-21.7	-5.51	0.68	1527	17	1844	198	-0.98
D7-23	743	0.039967	0.001019	0.282181	0.000012	-20.9	-5.00	0.72	1510	19	1812	198	-0.97
D7-24	759	0.030579	0.000829	0.282169	0.000013	-21.3	-5.00	0.73	1519	20	1825	199	-0.98
D7-25	775	0.049513	0.001232	0.282171	0.000011	-21.3	-4.79	0.70	1533	18	1826	194	-0.96
D7-26	747	0.067890	0.001682	0.282163	0.000012	-21.5	-5.91	0.72	1563	19	1865	205	-0.95
D7-27	733	0.060210	0.001555	0.282218	0.000016	-19.6	-4.18	0.80	1480	24	1759	199	-0.95
D7-28	758	0.055883	0.001384	0.282176	0.000014	-21.1	-5.05	0.77	1532	22	1826	203	-0.96
D7-29	734	0.103235	0.002734	0.282189	0.000013	-20.6	-5.75	0.73	1570	20	1846	205	-0.92
D7-30	747	0.052398	0.001297	0.282160	0.000012	-21.6	-5.79	0.71	1550	19	1859	204	-0.96
D7-31	739	0.093559	0.002405	0.282158	0.000014	-21.7	-6.60	0.77	1601	22	1896	215	-0.93
D7-32	754	0.077619	0.001996	0.282191	0.000014	-20.6	-4.93	0.75	1537	21	1817	200	-0.94
D7-33	746	0.035721	0.000979	0.282155	0.000011	-21.8	-5.86	0.70	1545	18	1862	203	-0.97
D7-34	735	0.041995	0.001181	0.282166	0.000012	-21.4	-5.78	0.71	1537	19	1848	204	-0.96
Lu-Hf isotopic data of sample D8													
D8-01	753	0.044130	0.001223	0.282182	0.000013	-20.9	-4.85	0.74	1517	20	1812	198	-0.96
D8-02	774	0.057777	0.001495	0.282208	0.000013	-19.9	-3.63	0.74	1491	20	1761	188	-0.95
D8-03	761	0.046180	0.001219	0.282184	0.000011	-20.8	-4.63	0.70	1515	18	1806	193	-0.96
D8-04	750	0.061466	0.001679	0.282213	0.000011	-19.8	-4.06	0.70	1492	18	1766	187	-0.95
D8-05	750	0.044348	0.001165	0.282190	0.000013	-20.6	-4.63	0.74	1504	20	1797	197	-0.96
D8-06	729	0.063800	0.001445	0.282241	0.000013	-18.8	-3.40	0.73	1443	20	1713	186	-0.96
D8-07	777	0.073735	0.001771	0.282217	0.000014	-19.6	-3.40	0.76	1490	22	1751	188	-0.95

D8-08	745	0.047275	0.001149	0.282224	0.000012	-19.4	-3.50	0.70	1455	18	1731	183	-0.97
D8-09	780	0.065621	0.001666	0.282218	0.000014	-19.6	-3.25	0.76	1485	22	1745	187	-0.95
D8-10	775	0.027779	0.000766	0.282218	0.000013	-19.6	-2.89	0.72	1449	19	1722	180	-0.98
D8-11	749	0.028773	0.000752	0.282204	0.000010	-20.1	-3.95	0.68	1468	16	1759	184	-0.98
D8-12	758	0.028831	0.000732	0.282182	0.000012	-20.9	-4.50	0.70	1497	18	1797	192	-0.98
D8-13	747	0.042421	0.001027	0.282184	0.000012	-20.8	-4.83	0.71	1507	18	1806	195	-0.97
D8-14	719	0.035043	0.000894	0.282192	0.000012	-20.5	-5.08	0.70	1490	18	1797	197	-0.97
D8-15	743	0.058825	0.001446	0.282192	0.000012	-20.5	-4.84	0.72	1512	19	1803	196	-0.96
D8-16	775	0.030170	0.000778	0.282203	0.000012	-20.1	-3.43	0.72	1471	19	1751	184	-0.98
D8-17	753	0.074234	0.001822	0.282196	0.000012	-20.4	-4.68	0.72	1522	19	1803	195	-0.95
D8-18	756	0.076529	0.001828	0.282240	0.000018	-18.8	-3.06	0.88	1459	28	1716	195	-0.94
D8-19	778	0.058545	0.001415	0.282175	0.000013	-21.1	-4.66	0.73	1534	19	1821	195	-0.96
D8-20	750	0.038872	0.000943	0.282186	0.000010	-20.7	-4.66	0.68	1501	16	1799	191	-0.97
D8-21	768	0.030644	0.000756	0.282144	0.000011	-22.2	-5.66	0.70	1551	17	1868	201	-0.98
D8-22	720	0.042472	0.001008	0.282166	0.000013	-21.4	-6.02	0.72	1530	19	1850	207	-0.97
D8-23	770	0.053894	0.001253	0.282187	0.000012	-20.7	-4.33	0.71	1511	19	1796	191	-0.96
D8-24	721	0.051043	0.001215	0.282186	0.000011	-20.7	-5.41	0.68	1512	17	1817	198	-0.96
D8-25	754	0.056898	0.001344	0.282185	0.000011	-20.8	-4.81	0.69	1518	17	1810	193	-0.96
D8-26	782	0.033235	0.000820	0.282173	0.000011	-21.2	-4.33	0.70	1513	17	1806	190	-0.98
D8-27	770	0.063497	0.001489	0.282174	0.000013	-21.1	-4.90	0.72	1539	19	1828	197	-0.96
D8-28	779	0.046294	0.001187	0.282190	0.000013	-20.6	-4.01	0.75	1505	20	1786	191	-0.96
D8-29	753	0.040593	0.001023	0.282192	0.000011	-20.5	-4.41	0.69	1495	18	1787	191	-0.97
D8-30	771	0.046144	0.001063	0.282192	0.000011	-20.5	-4.04	0.70	1496	17	1781	187	-0.97
