

Table S3. Results of Hf isotopes for zircons from the Permian granitoids in this study

Spots	t(Ma)	$^{176}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	2σ	$\varepsilon_{\text{Hf}}(t)$	$f_{\text{Lu/Hf}}$	T_{DM1}	T_{DM2}
Sample 18ST60, Granite porphyry									
18ST60-01	288	0.058324	0.001687	0.282620	0.000011	0.6	-0.95	915	1272
18ST60-02	424	0.023893	0.000713	0.282213	0.000010	-10.7	-0.98	1460	2092
18ST60-03	291	0.019196	0.000577	0.282534	0.000010	-2.1	-0.98	1008	1449
18ST60-04	291	0.056724	0.001658	0.282603	0.000011	0.1	-0.95	939	1308
18ST60-05	292	0.046573	0.001353	0.282599	0.000010	0.0	-0.96	937	1313
18ST60-08	314	0.044474	0.001268	0.282597	0.000012	0.5	-0.96	937	1303
18ST60-09	294	0.042416	0.001233	0.282595	0.000012	0.0	-0.96	939	1318
18ST60-10	294	0.031879	0.000934	0.282576	0.000010	-0.6	-0.97	958	1357
18ST60-11	296	0.039405	0.001137	0.282567	0.000011	-1.0	-0.97	976	1379
18ST60-13	287	0.062263	0.001813	0.282614	0.000013	0.4	-0.95	927	1287
18ST60-14	291	0.015363	0.000477	0.282586	0.000011	-0.3	-0.99	933	1332
18ST60-15	293	0.052810	0.001554	0.282579	0.000011	-0.7	-0.95	971	1360
18ST60-17	436	0.018515	0.000574	0.282245	0.000010	-9.2	-0.98	1410	2010
18ST60-18	291	0.032128	0.000981	0.282589	0.000011	-0.3	-0.97	941	1331
18ST60-19	289	0.057801	0.001738	0.282536	0.000013	-2.3	-0.95	1037	1461
18ST60-21	421	0.021881	0.000697	0.282207	0.000012	-10.9	-0.98	1467	2106
Sample 19ST17, Syenogranite									
19ST17-02	276	0.050840	0.001479	0.282440	0.000011	-6.0	-0.96	1166	1682
19ST17-03	291	0.042475	0.001227	0.282473	0.000011	-4.7	-0.96	1112	1605
19ST17-04	291	0.048800	0.001389	0.282467	0.000012	-5.0	-0.96	1125	1619
19ST17-05	278	0.069338	0.001915	0.282539	0.000011	-2.5	-0.94	1037	1462
19ST17-06	289	0.050761	0.001415	0.282514	0.000011	-3.3	-0.96	1060	1513
19ST17-07	287	0.044872	0.001259	0.282404	0.000013	-7.1	-0.96	1211	1759
19ST17-08	288	0.039308	0.001104	0.282506	0.000009	-3.4	-0.97	1061	1525
19ST17-09	281	0.046161	0.001291	0.282526	0.000014	-2.7	-0.96	1039	1482
19ST17-11	289	0.046289	0.001271	0.282522	0.000011	-2.9	-0.96	1044	1491
19ST17-13	291	0.031022	0.000883	0.282505	0.000012	-3.4	-0.97	1057	1523
19ST17-14	283	0.032181	0.000905	0.282519	0.000011	-2.9	-0.97	1038	1491
19ST17-15	280	0.052899	0.001602	0.282533	0.000010	-2.5	-0.95	1037	1467
19ST17-16	286	0.025329	0.000745	0.282554	0.000012	-1.6	-0.98	985	1411
19ST17-17	282	0.055984	0.001543	0.282519	0.000011	-2.9	-0.95	1055	1497
Sample 20ST78, Biotite monzogranite									
20ST78-01	275	0.064899	0.001702	0.282599	0.000015	-0.4	-0.95	945	1326
20ST78-02	272	0.030209	0.000856	0.282543	0.000010	-2.3	-0.97	1002	1444
20ST78-03	276	0.039479	0.001123	0.282484	0.000011	-4.3	-0.97	1094	1579
20ST78-04	273	0.033919	0.000961	0.282534	0.000012	-2.6	-0.97	1019	1466
20ST78-05	272	0.033819	0.000926	0.282533	0.000012	-2.6	-0.97	1019	1468
20ST78-06	269	0.043548	0.001196	0.282508	0.000013	-3.6	-0.96	1061	1529
20ST78-07	267	0.022749	0.000648	0.282552	0.000012	-2.0	-0.98	986	1426
20ST78-08	275	0.030075	0.000846	0.282556	0.000011	-1.8	-0.97	985	1414
20ST78-09	269	0.036887	0.001034	0.282567	0.000014	-1.5	-0.97	974	1395
20ST78-10	273	0.025847	0.000735	0.282533	0.000009	-2.6	-0.98	1013	1464
20ST78-11	271	0.021582	0.000619	0.282574	0.000011	-1.2	-0.98	954	1374
20ST78-12	272	0.016540	0.000490	0.282576	0.000013	-1.0	-0.99	948	1366
20ST78-13	273	0.042698	0.001210	0.282562	0.000013	-1.7	-0.96	985	1405
20ST78-14	277	0.026755	0.000760	0.282546	0.000011	-2.1	-0.98	997	1435
20ST78-15	274	0.030602	0.000857	0.282526	0.000012	-2.8	-0.97	1026	1481
20ST78-16	276	0.026267	0.000742	0.282547	0.000011	-2.0	-0.98	994	1432
20ST78-17	267	0.034986	0.000986	0.282568	0.000012	-1.5	-0.97	971	1392
20ST78-18	264	0.016038	0.000467	0.282561	0.000012	-1.7	-0.99	968	1405
20ST78-19	273	0.034029	0.000941	0.282563	0.000009	-1.6	-0.97	977	1401
20ST78-20	274	0.026307	0.000728	0.282595	0.000012	-0.4	-0.98	926	1324
Sample 20ST93, Granodiorite									
20ST93-01	288	0.021622	0.000633	0.282470	0.000011	-4.5	-0.98	1099	1597
20ST93-03	305	0.050317	0.001317	0.282464	0.000010	-4.5	-0.96	1128	1609
20ST93-04	307	0.041159	0.001143	0.282464	0.000010	-4.4	-0.97	1122	1605
20ST93-05	292	0.031206	0.000869	0.282454	0.000011	-5.0	-0.97	1128	1633
20ST93-06	295	0.025471	0.000747	0.282459	0.000011	-4.7	-0.98	1118	1619
20ST93-07	299	0.023821	0.000733	0.282488	0.000010	-3.6	-0.98	1077	1551
20ST93-09	307	0.031747	0.000920	0.282488	0.000013	-3.5	-0.97	1082	1548

20ST93-10	293	0.037775	0.001105	0.282467	0.000011	-4.6	-0.97	1116	1606
20ST93-11	307	0.027655	0.000786	0.282439	0.000011	-5.2	-0.98	1147	1658
20ST93-12	303	0.029093	0.000850	0.282482	0.000011	-3.8	-0.97	1088	1563
20ST93-13	285	0.032564	0.000882	0.282425	0.000011	-6.2	-0.97	1169	1703
20ST93-14	301	0.033818	0.001072	0.282320	0.000012	-9.6	-0.97	1324	1932
20ST93-15	305	0.020224	0.000609	0.282460	0.000012	-4.5	-0.98	1112	1609
