

Auxiliary Material Table B1. Apatite and Zircon (U-Th)/He Replicate Analysis

MT06300602-1	4.7	0.3	5.5	13.5	17.6	2.5	0.1	5.3	0.7	47.3	
MT06300602-2	3.4	0.2	5.2	16.0	20.3	3.1	0.1	2.7	0.6	37.7	
MT06300602-3	3.3	0.2	6.4	19.1	29.7	3.0	0.1	4.2	0.7	44.7	
MT06300602	3.8	0.2	5.7	16.2	22.5	2.8	0.1	4.1	0.6	43.2	0.8
MT06300603-1	3.5	0.2	7.7	6.2	26.0	0.8	0.1	8.1	0.7	41.6	
MT06300603-2	2.6	0.2	9.8	7.3	21.4	0.7	0.1	16.3	0.8	54.3	
MT06300603-3	3.5	0.2	10.3	7.1	15.9	0.7	0.2	9.0	0.7	41.5	
MT06300603	3.2	0.2	9.2	6.9	21.1	0.7	0.1	11.1	0.8	45.8	0.5
MT06300604-1	3.1	0.2	15.9	7.4	13.9	0.5	0.2	10.0	0.7	57.4	
MT06300604-2	2.7	0.2	41.7	32.2	24.4	0.8	0.5	3.6	0.6	40.1	
MT06300604-3	2.3	0.1	21.3	12.6	17.3	0.6	0.2	7.5	0.7	52.2	
MT06300604	2.7	0.2	26.3	17.4	18.5	0.6	0.3	7.1	0.7	49.9	0.4
MT06300605-1	1.3	0.1	11.1	17.7	30.9	1.6	0.1	3.5	0.6	40.8	
MT06300605-2	3.5	0.2	39.0	20.0	24.8	0.5	0.5	3.8	0.7	42.4	
MT06300605-3	3.3	0.2	11.7	18.0	57.6	1.5	0.2	4.1	0.6	42.9	
MT06300605	2.7	0.2	20.6	18.6	37.8	1.2	0.3	3.8	0.6	42.1	1.2
MT07020605-1	4.5	0.3	27.5	116.9	182.0	4.3	0.9	4.1	0.6	43.5	
MT07020605-2	1.2	0.1	9.6	31.0	140.4	3.2	0.1	3.5	0.6	40.0	
MT07020605-3	3.2	0.2	8.9	24.2	135.3	2.7	0.2	6.9	0.7	51.9	
MT07020605	3.0	0.2	15.3	57.4	152.6	3.4	0.4	4.8	0.7	45.1	1.7
<i>Zircon</i>											
z67052-1	4.2	0.3	672.5	953.9	1.4	8.3	15.9	9.0	0.8	58.4	
z67052-2	3.5	0.3	301.7	213.3	1.5	2.3	4.9	5.3	0.8	48.0	
z67052-3	6.7	0.5	1015.6	388.2	1.0	7.3	30.5	5.2	0.8	48.8	
z67052	4.8	0.4	663.3	518.5	1.3	6.0	17.1	6.5	0.8	51.7	1.7
z67053-1	3.1	0.2	2523.5	310.7	3.8	25.8	34.4	8.6	0.8	56.2	
z67053-2	3.5	0.3	3689.2	439.4	1.7	33.4	56.3	8.2	0.8	56.7	
z67053-3	3.6	0.3	3246.4	447.0	1.6	24.3	48.8	6.2	0.8	47.7	
z67053	3.4	0.3	3153.0	399.0	2.4	27.8	46.5	7.7	0.8	53.5	0.2
z611051A-1	3.3	0.3	265.0	143.5	0.7	7.2	4.4	19.5	0.8	69.3	
z611051A-2	3.4	0.3	503.5	128.1	0.6	9.6	7.8	14.1	0.8	61.9	
z611051A-3	3.9	0.3	385.8	223.3	1.7	8.0	7.4	15.1	0.8	62.9	
z611051A	3.5	0.3	384.8	165.0	1.0	8.3	6.5	16.3	0.8	64.7	0.3
z69052-1	54.3	4.3	248.6	269.3	1.1	1.1	73.1	10.4	0.8	59.8	
z69052-2*	22.6	1.8	220.2	219.7	1.0	1.0	25.0	5.8	0.8	48.2	
z69052-3	49.0	3.9	296.0	247.1	1.4	0.8	69.2	4.3	0.7	45.0	
z69052-4*	75.2	6.0	111.3	46.4	0.4	0.4	39.8	10.7	0.8	58.9	
z69052-5	44.1	3.5	664.5	563.1	1.7	0.8	141.1	4.7	0.7	46.0	
z69052-6	48.0	3.8	657.8	368.5	1.0	0.6	148.1	5.6	0.8	50.3	
z69052	48.8	3.9	466.7	362.0	1.3	0.8	107.9	6.2	0.8	50.3	4.2
z82109PK1-1	57.4	4.6	228.3	337.9	10.9	1.6	70.5	4.9	0.7	45.7	
z82109PK1-2	71.6	5.7	319.1	319.1	1.5	2.5	115.4	5.5	0.8	48.6	
z82109PK1-3	62.0	5.0	192.7	198.9	0.8	1.5	61.5	5.5	0.8	50.9	
z82109PK1	63.7	5.1	246.7	285.3	4.4	1.9	82.5	5.3	0.8	48.4	7.3
z82209PK1-1	63.0	5.0	306.1	226.6	1.3	0.7	97.2	9.0	0.8	57.9	
z82209PK1-2	55.1	4.4	615.1	380.7	1.1	0.6	159.5	5.4	0.8	48.9	
z82209PK1-3	57.3	4.6	297.6	224.6	0.4	0.8	83.8	6.0	0.8	51.8	

	58.5	4.7	406.3	277.3	0.9	0.7	113.5	6.8	0.8	52.9	4.1
z82209PK1-1	2.7	0.2	1265.7	232.4	-0.3	0.2	14.0	3.1	0.7	42.1	
z82309PK1-2	2.8	0.2	1618.2	1169.5	1.2	0.7	20.3	3.4	0.7	42.0	
z82309PK1-3	2.5	0.2	928.3	235.7	0.8	0.3	10.6	8.2	0.8	57.3	
z82309PK1	2.7	0.2	1270.7	545.9	0.6	0.4	15.0	4.9	0.7	47.1	0.1
z82309PK2-1	4.0	0.3	1831.8	913.0	1.4	0.5	33.0	4.7	0.7	45.4	
z82309PK2-2	3.3	0.3	1476.4	682.7	2.1	0.5	22.7	7.9	0.8	54.0	
z82309PK2-3	2.7	0.2	1159.9	468.3	1.1	0.4	13.9	5.3	0.8	49.5	
z82309PK2	3.3	0.3	1489.4	688.0	1.5	0.5	23.2	6.0	0.8	49.6	0.7
z82309PK4-1	2.3	0.2	890.2	638.8	2.5	0.7	9.2	3.3	0.7	42.2	
z82309PK4-2	4.4	0.3	601.0	323.9	0.8	0.5	12.0	4.2	0.7	46.7	
z82309PK4-3	2.8	0.2	1010.3	624.6	4.6	0.6	13.0	4.9	0.8	47.6	
z82309PK4	3.1	0.3	833.8	529.1	2.6	0.6	11.4	4.1	0.7	45.5	1.1
z82309PK5-1	3.3	0.3	1309.7	850.8	3.2	0.6	19.5	4.7	0.7	44.3	
z82309PK5-2	3.7	0.3	786.8	306.8	0.6	0.4	13.5	8.9	0.8	57.4	
z82309PK5-3*	77.1	6.2	319.7	275.0	2.3	0.9	130.1	13.4	0.8	63.7	
z82309PK5-4	5.0	0.4	1148.5	405.3	2.4	0.4	25.5	5.2	0.8	49.7	
z82309PK5-5	8.9	0.7	1211.9	402.9	2.1	0.3	44.6	3.4	0.7	39.8	
z82309PK5-6	4.5	0.4	1053.4	1226.9	14.8	1.2	23.7	3.9	0.7	44.1	
z82309PK5	5.0	0.4	1102.1	638.6	4.6	0.6	25.3	5.2	0.7	47.1	2.2
z82409PK1-1	77.4	6.2	113.5	121.6	0.7	1.1	44.8	4.9	0.8	48.1	
z82409PK1-2	66.3	5.3	96.6	130.0	0.5	1.3	33.0	3.5	0.7	42.8	
z82409PK1-3	103.0	8.2	131.3	145.2	0.7	1.1	71.8	6.8	0.8	53.6	
z82409PK1-4	91.9	7.3	302.2	499.7	2.1	1.7	158.9	5.1	0.8	50.3	
z82409PK1-5	113.8	9.1	116.6	135.0	0.9	1.2	67.1	3.8	0.7	44.3	
z82409PK1-6	102.4	8.2	283.5	346.7	1.7	1.2	148.8	4.2	0.7	44.6	
z82409PK1	92.5	7.4	174.0	229.7	1.1	1.3	87.4	4.7	0.7	47.3	17.7
z82409PK2-1	69.2	5.5	191.8	180.1	0.7	0.9	70.1	9.3	0.8	59.9	
z82409PK2-2	84.8	6.8	234.4	208.6	4.1	0.9	101.6	7.7	0.8	54.5	
z82409PK2-3	79.4	6.4	155.4	168.6	1.4	1.1	65.2	6.6	0.8	53.9	
z82409PK2	77.8	6.2	193.9	185.8	2.1	1.0	79.0	7.9	0.8	56.1	7.9
z82609PK4-1	4.4	0.4	2563.8	1455.1	3.1	0.6	50.8	4.3	0.7	44.7	
z82609PK4-2	3.7	0.3	1056.1	573.6	2.7	0.5	18.7	6.5	0.8	53.6	
z82609PK4-3	2.1	0.2	1479.0	1302.3	2.3	0.9	15.1	3.9	0.7	44.2	
z82609PK4	3.4	0.3	1699.6	1110.3	2.7	0.7	28.2	4.9	0.8	47.5	1.2
z82609PK5-1	5.0	0.4	2701.1	1631.1	3.3	0.6	64.6	8.8	0.8	54.7	
z82609PK5-2	7.6	0.6	2732.1	1370.3	1.2	0.5	90.9	3.4	0.7	42.9	
z82609PK5-3*	11.1	0.9	1035.3	611.3	0.0	0.6	50.9	3.3	0.7	41.9	
z82609PK5-4	4.8	0.4	709.1	636.8	2.2	0.9	15.6	2.8	0.7	39.2	
z82609PK5-5	4.6	0.4	1719.0	1306.8	1.3	0.8	35.0	2.7	0.7	38.4	
z82609PK5-6	5.2	0.4	2865.8	3853.8	1.3	1.3	74.0	2.7	0.7	38.5	
z82609PK5	5.4	0.4	2145.4	1759.8	1.9	0.8	56.0	4.1	0.7	42.7	1.2
z82709PK2-1	3.7	0.3	270.2	81.9	0.4	0.3	4.3	4.4	0.8	46.2	
z82709PK2-2	4.0	0.3	152.3	69.5	0.2	0.5	2.7	4.1	0.7	45.1	
z82709PK2-3	5.0	0.4	180.0	64.6	0.2	0.4	4.1	7.2	0.8	52.7	
z82709PK2	4.2	0.3	200.8	72.0	0.3	0.4	3.7	5.3	0.8	48.0	0.7
z82709PK3-1	83.1	6.6	192.7	165.8	0.5	0.9	83.6	9.5	0.8	60.7	

z82709PK3-2	98.1	7.8	201.0	172.6	0.8	0.9	104.3	13.1	0.8	63.9
z82709PK3-3	86.7	6.9	165.9	132.7	0.6	0.8	76.9	16.3	0.8	71.5
z82709PK3	89.3	7.1	186.5	157.0	0.6	0.8	88.3	13.0	0.8	65.4
z82809PK1-1	7.0	0.6	95.6	93.3	0.1	1.0	3.4	6.1	0.8	51.4
z82809PK1-2	13.6	1.1	175.4	166.4	0.5	0.9	12.3	7.3	0.8	54.9
z82809PK1-3	8.8	0.7	69.4	64.7	1.0	0.9	3.1	7.0	0.8	54.2
z82809PK1-4	32.7	2.6	24.0	17.0	0.1	0.7	4.1	23.2	0.8	75.6
z82809PK1-5	24.3	1.9	31.4	32.7	0.2	1.0	4.0	7.8	0.8	53.5
z82809PK1-6	19.2	1.5	44.2	50.7	0.4	1.1	4.5	7.4	0.8	54.2
z82809PK1	17.6	1.4	73.3	70.8	0.4	1.0	5.2	9.8	0.8	57.3
z82909PK1-1	50.8	4.1	276.7	239.5	0.4	1.7	66.9	4.1	0.7	43.8
z82909PK1-2	70.1	5.6	61.3	88.6	0.8	0.4	23.1	4.5	0.7	46.2
z82909PK1-3	69.4	5.6	237.1	249.6	2.6	1.2	81.4	3.5	0.7	44.1
z82909PK1	63.5	5.1	191.7	192.6	1.3	1.1	57.1	4.0	0.7	44.7
z82909PK2-1	96.6	7.7	161.7	191.5	1.5	1.0	79.7	4.3	0.7	44.9
z82909PK2-2	89.5	7.2	522.3	360.6	0.6	3.2	217.3	4.2	0.7	44.6
z82909PK2-3	75.0	6.0	249.1	244.6	2.4	3.3	99.2	9.2	0.8	59.0
z82909PK2	87.1	7.0	311.0	265.6	1.5	2.5	132.1	5.9	0.8	49.5
zKS08270901-1	2.7	0.2	1530.9	324.1	0.4	9.7	17.6	4.7	0.7	44.4
zKS08270901-2	2.6	0.2	1617.2	428.4	1.1	12.1	18.6	5.6	0.8	48.3
zKS08270901-3	3.7	0.3	3576.6	662.0	0.4	29.4	57.9	7.2	0.8	51.0
zKS08270901	3.0	0.2	2241.6	471.5	0.6	17.1	31.4	5.8	0.8	47.9
zKS08270903-1	3.4	0.3	999.7	258.9	1.5	7.7	14.9	5.6	0.8	48.1
zKS08270903-2	3.2	0.3	3412.2	473.5	7.4	24.5	47.1	6.0	0.8	51.3
zKS08270903-3	3.7	0.3	4031.3	1056.1	3.6	19.4	63.0	3.8	0.7	43.8
zKS08270903	3.4	0.3	2814.4	596.2	4.2	17.2	41.7	5.1	0.8	47.7
zKS08280901-1	2.6	0.2	763.8	182.0	0.3	3.8	8.2	3.5	0.7	40.5
zKS08280901-2	5.6	0.4	173.2	44.6	0.4	1.8	4.4	7.2	0.8	55.6
zKS08280901-3	2.4	0.2	2437.9	152.0	0.7	12.4	23.0	3.8	0.7	41.4
zKS08280901	3.5	0.3	1125.0	126.2	0.4	6.0	11.9	4.8	0.7	45.8
zKS08280902-1	2.7	0.2	815.8	291.0	0.0	5.2	9.7	4.5	0.8	47.5
zKS08280902-2	2.7	0.2	1338.4	611.3	0.8	6.3	15.7	3.4	0.7	42.1
zKS08280902-3	3.0	0.2	2065.2	1852.1	2.9	10.4	29.4	3.7	0.7	43.4
zKS08280902	2.8	0.2	1406.5	918.2	1.2	7.3	18.2	3.9	0.7	44.4
zKS08280903-1	2.9	0.2	2108.2	766.1	0.4	29.7	28.6	12.3	0.8	61.8
zKS08280903-2	2.7	0.2	2886.2	396.8	-0.3	12.3	31.0	3.2	0.7	41.4
zKS08280903-3	2.6	0.2	2597.3	305.1	0.0	15.8	28.6	4.7	0.8	46.9
zKS08280903	2.7	0.2	2530.6	489.3	0.0	19.2	29.4	6.7	0.8	50.0
zKS08280905-1	3.4	0.3	9508.0	486.9	0.5	57.5	140.2	7.1	0.8	56.3
zKS08280905-2	3.0	0.2	9189.7	642.5	0.3	46.6	117.0	5.3	0.8	51.1
zKS08280905-3	3.3	0.3	7705.2	399.5	0.0	33.4	103.5	3.9	0.8	45.3
zKS08280905	3.2	0.3	8801.0	509.6	0.3	45.8	120.2	5.4	0.8	50.9
zKS08280907-1	2.3	0.2	1291.4	420.6	0.6	5.3	12.7	2.9	0.7	41.5
zKS08280907-2	2.8	0.2	1052.7	487.7	0.7	7.6	13.4	5.2	0.8	50.1
zKS08280907-3	2.4	0.2	1770.9	706.5	0.0	6.8	18.4	2.8	0.7	41.4
zKS08280907	2.5	0.2	1371.7	538.2	0.4	6.6	14.9	3.6	0.7	44.3
zKS08300901-1	4.1	0.3	732.0	146.4	1.4	0.2	13.2	8.2	0.8	54.6

zKS08300901-2	3.6	0.3	1147.1	108.8	1.3	0.1	16.8	4.3	0.7	44.8
zKS08300901-3	4.1	0.3	724.4	149.7	0.3	0.2	13.1	5.9	0.8	50.9
zKS08300901	3.9	0.3	867.8	134.9	1.0	0.2	14.4	6.2	0.8	50.1
zKS08310901-1	39.1	3.1	112.5	91.6	0.6	0.8	21.1	4.3	0.7	45.9
zKS08310901-2	36.3	2.9	314.8	200.6	0.5	0.6	54.0	5.0	0.8	49.3
zKS08310901-3	43.8	3.5	357.9	250.8	0.6	0.7	76.9	7.6	0.8	54.1
zKS08310901	39.7	3.2	261.7	181.0	0.6	0.7	50.6	5.6	0.8	49.8
zKS08310903-1	66.0	5.3	136.4	136.7	1.0	1.0	47.6	8.6	0.8	57.7
zKS08310903-2	62.2	5.0	230.3	171.1	0.6	0.7	75.0	12.9	0.8	68.5
zKS08310903-3	61.8	4.9	206.6	207.3	1.3	1.0	63.2	4.9	0.7	45.7
zKS08310903	63.3	5.1	191.1	171.7	0.9	0.9	62.0	8.8	0.8	57.3
zKS08310904-1	3.5	0.3	960.7	729.4	1.3	0.8	16.7	9.5	0.8	56.9
zKS08310904-2	2.8	0.2	516.9	386.3	1.2	0.7	7.4	8.6	0.8	58.1
zKS08310904-3	2.9	0.2	1488.0	2009.0	2.8	1.4	23.6	5.8	0.8	50.9
zKS08310904	3.1	0.2	988.5	1041.6	1.8	1.0	15.9	8.0	0.8	55.3
zLNG0109-1	3.3	0.3	167.0	89.1	0.3	0.5	2.7	10.6	0.8	61.6
zLNG0109-2	2.9	0.2	202.5	96.9	0.3	0.5	2.7	6.3	0.8	52.1
zLNG0109-3	4.1	0.3	194.7	100.9	0.3	0.5	3.6	5.4	0.8	47.6
zLNG0109	3.4	0.3	188.0	95.6	0.3	0.5	3.0	7.4	0.8	53.8
zLNG0209-1	3.7	0.3	404.9	142.2	0.3	0.4	6.8	7.2	0.8	53.9
zLNG0209-2	3.3	0.3	222.2	92.4	0.2	0.4	3.3	5.3	0.8	49.1
zLNG0209-3	3.6	0.3	322.7	117.4	0.4	0.4	5.0	4.7	0.7	45.0
zLNG0209	3.5	0.3	316.6	117.3	0.3	0.4	5.0	5.7	0.8	49.3
zLNG0409-1	4.7	0.4	226.0	72.5	0.2	0.3	5.1	12.8	0.8	66.9
zLNG0409-2	4.6	0.4	191.6	84.0	0.6	0.4	4.1	8.0	0.8	53.4
zLNG0409-3	4.6	0.4	349.9	83.0	0.2	0.2	6.8	4.6	0.7	45.5
zLNG0409	4.6	0.4	255.8	79.8	0.3	0.3	5.3	8.5	0.8	55.3
zLNG0809-1	37.0	3.0	220.0	189.6	4.1	0.9	40.1	5.6	0.8	49.3
zLNG0809-2	43.6	3.5	337.4	265.3	0.8	0.8	70.5	4.6	0.7	46.8
zLNG0809-3	26.1	2.1	127.9	131.0	0.9	1.0	17.0	5.3	0.8	49.5
zLNG0809	35.6	2.8	228.4	195.3	1.9	0.9	42.5	5.2	0.8	48.6
zMT06300601-1	3.8	0.3	473.1	136.0	1.3	0.3	8.0	6.1	0.8	51.1
zMT06300601-2	4.3	0.3	261.1	52.7	1.0	0.2	4.8	5.4	0.8	46.5
zMT06300601-3	3.1	0.3	297.2	91.6	1.4	0.3	4.1	6.5	0.8	50.7
zMT06300601-4	3.8	0.3	873.9	183.3	0.5	0.2	13.5	3.6	0.7	40.9
zMT06300601-5	3.7	0.3	331.5	113.4	0.5	0.3	5.4	5.2	0.7	46.3
zMT06300601-6	3.8	0.3	155.7	53.0	0.3	0.3	2.7	8.1	0.8	51.7
zMT06300601	3.8	0.3	398.7	105.0	0.8	0.3	6.4	5.8	0.8	47.9
zMT06300602-1	6.5	0.5	205.4	188.3	1.2	0.9	6.6	5.5	0.7	46.3
zMT06300602-2	4.3	0.3	81.5	68.1	0.8	0.8	1.8	6.8	0.8	53.1
zMT06300602-3	6.1	0.5	82.0	72.9	0.9	0.9	2.5	7.0	0.8	50.3
zMT06300602-4	4.1	0.3	118.5	73.8	0.2	0.6	2.2	4.6	0.7	44.9
zMT06300602-5	5.2	0.4	163.6	166.6	0.5	1.0	4.1	3.9	0.7	41.6
zMT06300602-6	7.0	0.6	147.6	92.7	0.4	0.6	4.8	6.2	0.8	48.7
zMT06300602	5.6	0.4	133.1	110.4	0.7	0.8	3.7	5.7	0.7	47.5
zMT06300603-1	3.5	0.3	659.7	307.4	1.6	0.5	10.4	8.1	0.7	52.6
zMT06300603-2	3.9	0.3	153.1	131.5	1.7	0.9	3.1	16.3	0.8	44.9

zMT06300603-3	4.5	0.4	345.3	94.4	0.6	0.3	6.7	9.0	0.8	45.7	
zMT06300603	4.0	0.3	386.0	177.8	1.3	0.5	6.7	11.1	0.8	47.7	0.5
zMT06300604-1	4.0	0.3	232.7	165.8	1.0	0.7	4.6	7.6	0.8	53.7	
zMT06300604-2	4.5	0.4	201.1	113.9	0.8	0.6	4.2	6.5	0.8	51.0	
zMT06300604-3	4.6	0.4	214.3	149.8	1.3	0.7	4.9	9.1	0.8	56.9	
zMT06300604	4.4	0.4	216.0	143.2	1.1	0.7	4.6	7.7	0.8	53.9	0.3
zMT06300605-1	3.8	0.3	294.8	161.8	1.4	0.5	5.0	3.9	0.7	44.0	
zMT06300605-2	4.0	0.3	322.6	161.0	1.0	0.5	5.7	3.9	0.7	43.7	
zMT06300605-3	3.5	0.3	236.9	159.7	1.0	0.7	4.1	9.2	0.8	57.6	
zMT06300605	3.8	0.3	284.7	160.8	1.1	0.6	4.9	5.7	0.8	48.4	0.2
zMT07020601-1	2.9	0.2	1843.3	797.5	7.4	0.4	23.9	5.3	0.8	48.8	
zMT07020601-2	3.3	0.3	859.9	254.7	0.9	0.3	12.8	7.1	0.8	55.5	
zMT07020601-3	3.1	0.2	2419.9	777.3	4.6	0.3	32.1	4.8	0.7	45.7	
zMT07020601	3.1	0.2	1707.7	609.9	4.3	0.4	22.9	5.8	0.8	50.0	0.2
zMT07020603-1	2.8	0.2	2115.2	380.8	1.9	0.2	24.6	4.2	0.7	45.6	
zMT07020603-2	2.7	0.2	2395.0	517.3	2.0	0.2	28.3	6.0	0.8	47.9	
zMT07020603-3	4.7	0.4	829.5	1119.2	3.6	1.3	23.6	22.2	0.8	79.5	
zMT07020603	3.4	0.3	1779.9	672.4	2.5	0.6	25.5	10.8	0.8	57.7	1.2
zMT07020604-1	2.0	0.2	881.7	288.3	1.6	0.3	7.9	6.5	0.8	53.8	
zMT07020604-2*	103.0	8.2	3.8	1.8	0.7	0.5	1.8	5.3	0.7		
zMT07020604-3	2.7	0.2	1876.5	860.8	5.5	0.5	22.0	3.4	0.7	42.5	
zMT07020604	2.3	0.2	1379.1	574.6	3.6	0.4	15.0	4.9	0.8	48.2	0.5
zMT07020605-1	2.9	0.2	1472.3	237.6	6.9	0.2	19.6	11.3	0.8	63.9	
zMT07020605-2	2.3	0.2	1294.1	422.8	2.3	0.3	13.2	5.7	0.8	50.6	
zMT07020605-3	3.0	0.2	2353.6	1863.7	4.5	0.8	34.4	5.0	0.8	47.8	
zMT07020605	2.7	0.2	1706.6	841.4	4.5	0.4	22.4	7.3	0.8	54.1	0.4
zMT07020606-1	2.1	0.2	226.2	147.9	1.3	0.7	2.4	10.1	0.8	57.8	
zMT07020606-2	2.7	0.2	2962.9	798.4	24.6	0.3	37.1	11.4	0.8	62.8	
zMT07020606-3	3.6	0.3	3316.9	990.8	3.9	0.3	53.1	6.1	0.8	49.4	
zMT07020606	2.8	0.2	2168.7	645.7	9.9	0.4	30.9	9.2	0.8	56.7	0.8
zMT07020607-1	3.5	0.3	662.4	585.1	5.1	0.9	11.5	5.9	0.8	50.3	
zMT07020607-2	3.1	0.2	999.3	128.4	1.6	0.1	13.2	5.9	0.8	48.8	
zMT07020607-3	2.8	0.2	2461.0	186.5	2.2	0.1	30.7	10.4	0.8	58.6	
zMT07020607	3.1	0.3	1374.2	300.0	3.0	0.4	18.5	7.4	0.8	52.6	0.3
zMT07020608-1	3.2	0.3	1722.6	780.9	83.0	0.5	25.1	5.4	0.8	48.0	
zMT07020608-2	3.1	0.2	2093.4	466.8	4.4	0.2	29.6	9.5	0.8	59.8	
zMT07020608-3	3.3	0.3	1074.5	419.1	2.5	0.4	16.6	9.6	0.8	58.8	
zMT07020608	3.2	0.3	1630.2	555.6	30.0	0.4	23.8	8.2	0.8	55.5	0.1
<i>Detrital</i>											
zMT06170601-2	21.1	1.7	617.0	531.1	1.2	0.9	64.2	6.6	0.8		
zMT06170601-3	8.6	0.7	283.7	260.4	1.1	0.9	11.9	4.6	0.7	44.9	
zMT06170601-4	6.4	0.5	200.1	144.2	0.3	0.7	6.4	8.8	0.8	59.2	
zMT06170601-5	6.5	0.5	243.3	209.0	0.6	0.9	8.3	12.1	0.8	64.3	
zMT06170601-6	10.1	0.8	583.4	438.3	0.5	0.8	29.6	8.8	0.8	57.2	
zMT06170602-1	11.1	0.9	154.2	112.1	1.2	0.7	8.7	9.8	0.8	60.1	
zMT06170602-2	28.4	2.3	187.6	163.2	1.6	0.9	26.6	6.7	0.8		
zMT06170602-3	7.0	0.6	163.4	132.8	1.4	0.8	6.0	11.5	0.8	63.1	

zMT06170602-4*	1278.2	102.3	1.2	1.1	-0.3	0.8	8.7	6.5	0.8	49.5
zMT06170602-5	10.4	0.8	173.5	134.9	0.4	0.8	9.1	8.8	0.8	57.5
zMT06170602-6	14.0	1.1	345.8	257.9	1.3	0.7	22.9	5.2	0.7	46.3

All (U-Th)/He data produced at the University of Kansas Isotope Geochemistry Laboratory.

Abbreviations: *Ft* = Alpha ejection correction following Farley et al. (1996); *ESR* = Equivalent Spherical Radius. *Denotes aliquot excluded from age calculation due to inclusions (apatite) or poor reproducibility.