

**Auxiliary Material Table A1. Zircon U-Pb geochronologic analyses**

Analysis	U (ppm)	206Pb 204Pb	U/Th	Isotope ratios					Apparent ages (Ma)					Best age		
				207Pb* 235U*	± (%)	206Pb* 238U	± (%)	error corr.	206Pb* 238U* (Ma)	±	207Pb* 235U (Ma)	±	206Pb* 207Pb* (Ma)	±	(Ma)	(Ma)
<b>82109PK1</b>																
82109PK1-18	191	6498	1.2	0.1540	6.0	0.023	2.2	0.37	147.3	3.2	145.4	8.1	115.9	131.3	147.3	3.2
82109PK1-15	165	9518	1.2	0.1517	8.4	0.023	2.6	0.30	149.2	3.8	143.4	11.3	47.9	192.1	149.2	3.8
82109PK1-11	180	5888	1.1	0.1463	9.3	0.023	2.9	0.32	149.7	4.3	138.6	12.1	-46.2	215.0	149.7	4.3
82109PK1-12	363	10953	1.2	0.1537	7.2	0.024	1.6	0.23	150.2	2.4	145.1	9.8	63.9	167.5	150.2	2.4
82109PK1-6	155	6502	1.1	0.1471	15.0	0.024	5.8	0.39	150.5	8.6	139.3	19.5	-46.7	337.8	150.5	8.6
82109PK1-10	173	10588	1.5	0.1449	8.6	0.024	3.3	0.38	150.5	4.9	137.4	11.1	-84.4	196.2	150.5	4.9
82109PK1-1	209	4486	1.1	0.1518	8.7	0.024	4.1	0.47	150.9	6.1	143.5	11.6	21.8	183.6	150.9	6.1
82109PK1-20	152	7220	1.1	0.1636	14.9	0.024	4.3	0.29	151.3	6.4	153.8	21.2	192.9	332.1	151.3	6.4
82109PK1-8	176	6187	1.2	0.1437	4.2	0.024	2.4	0.58	151.5	3.7	136.4	5.4	-119.4	85.5	151.5	3.7
82109PK1-9	204	7421	1.1	0.1543	10.8	0.024	2.4	0.22	151.5	3.6	145.7	14.6	52.9	251.7	151.5	3.6
82109PK1-13	340	18465	0.9	0.1576	5.8	0.024	0.8	0.14	152.2	1.2	148.6	8.0	91.5	136.1	152.2	1.2
82109PK1-16	312	28770	1.1	0.1655	5.0	0.024	1.9	0.39	152.7	2.9	155.5	7.3	198.7	108.2	152.7	2.9
82109PK1-17	203	7184	1.2	0.1607	8.0	0.024	1.9	0.24	152.9	2.9	151.3	11.3	126.8	183.3	152.9	2.9
82109PK1-14	258	10324	1.0	0.1608	6.2	0.024	2.0	0.32	153.7	3.0	151.4	8.7	114.7	138.9	153.7	3.0
82109PK1-2	151	3617	1.2	0.1589	5.5	0.024	3.5	0.64	154.3	5.3	149.7	7.6	78.7	100.1	154.3	5.3
82109PK1-19	194	7501	1.3	0.1492	10.3	0.024	2.6	0.25	154.8	4.0	141.2	13.6	-82.7	245.9	154.8	4.0
82109PK1-5	143	4924	1.5	0.1966	19.0	0.024	5.5	0.29	155.6	8.5	182.3	31.7	544.1	400.5	155.6	8.5
82109PK1-3	228	6158	1.1	0.1715	8.2	0.025	4.3	0.53	157.8	6.8	160.7	12.3	204.3	162.7	157.8	6.8
82109PK1-4	215	10773	1.1	0.1691	7.1	0.025	3.1	0.44	158.1	4.8	158.6	10.4	166.6	148.9	158.1	4.8
<b>82209PK1</b>																
082209PK1-10	104	2125	1.1	0.1227	28.0	0.022	9.5	0.34	141.8	13.3	117.6	31.1	-349.4	691.2	141.8	13.3
082209PK1-15	337	8376	1.4	0.1515	18.9	0.023	10.3	0.55	145.1	14.8	143.3	25.2	113.8	374.5	145.1	14.8
082209PK1-13	172	4168	1.0	0.2158	71.1	0.023	5.4	0.08	145.5	7.8	198.4	128.8	885.5	1716.4	145.5	7.8
082209PK1-3	189	4758	1.4	0.1775	21.5	0.023	7.5	0.35	145.9	10.9	165.9	32.9	461.9	449.8	145.9	10.9
082209PK1-19	269	5715	1.2	0.1394	13.8	0.023	7.8	0.56	146.4	11.2	132.5	17.1	-110.4	281.0	146.4	11.2
082209PK1-4	535	22067	0.9	0.1597	11.0	0.023	5.9	0.53	146.5	8.5	150.4	15.4	212.5	215.8	146.5	8.5
082209PK1-9	205	5006	1.4	0.1780	19.7	0.023	9.9	0.51	146.8	14.4	166.3	30.2	454.6	379.6	146.8	14.4

082209PK1-2	323	7218	1.2	0.1420	10.0	0.023	5.5	0.56	147.0	8.0	134.8	12.6	-74.5	202.8	147.0	8.0
082209PK1-1	220	12193	1.7	0.1579	23.8	0.023	12.1	0.51	148.0	17.7	148.8	32.9	162.0	482.2	148.0	17.7
082209PK1-12	296	5127	1.3	0.1661	13.8	0.023	8.3	0.60	148.1	12.2	156.0	19.9	278.1	252.4	148.1	12.2
082209PK1-18	366	6517	1.3	0.1514	9.0	0.023	2.8	0.31	148.8	4.1	143.2	12.0	51.1	204.4	148.8	4.1
082209PK1-21	466	16746	1.1	0.1543	7.6	0.023	6.2	0.82	149.3	9.2	145.7	10.3	87.4	103.6	149.3	9.2
082209PK1-20	313	8090	1.4	0.1651	13.1	0.024	8.2	0.62	152.5	12.3	155.2	18.9	196.1	238.8	152.5	12.3
082209PK1-8	308	8830	0.9	0.1767	20.0	0.024	4.5	0.23	153.6	6.8	165.2	30.5	335.1	445.3	153.6	6.8
082209PK1-16	704	23597	0.5	0.1540	9.4	0.024	3.9	0.42	154.3	6.0	145.5	12.7	4.2	205.7	154.3	6.0
082209PK1-7	347	24556	1.1	0.1598	10.9	0.024	2.9	0.26	155.3	4.4	150.6	15.3	77.1	251.3	155.3	4.4
082209PK1-14	488	15731	1.4	0.1735	8.3	0.025	2.9	0.35	157.3	4.6	162.4	12.4	237.5	178.6	157.3	4.6
082209PK1-11	781	13959	1.0	0.1734	6.2	0.025	4.6	0.74	159.6	7.2	162.3	9.3	203.1	96.4	159.6	7.2
082209PK1-17	241	8227	1.2	0.1658	14.7	0.025	6.0	0.41	160.7	9.5	155.8	21.3	81.3	320.1	160.7	9.5
082209PK1-6	368	7568	0.8	0.1623	12.9	0.025	8.1	0.62	162.2	12.9	152.7	18.3	7.7	244.0	162.2	12.9
<b>82309PK1</b>																
82309PK1-6	402	2326	0.7	0.0098	76.6	0.001	20.2	0.26	9.5	1.9	9.9	7.6	114.1	2048.9	9.5	1.9
82309PK1-14	341	2258	1.5	0.0207	35.6	0.002	27.9	0.78	10.5	2.9	20.8	7.3	1469.0	424.6	10.5	2.9
82309PK1-25	1437	16055	0.4	0.0132	15.5	0.002	5.6	0.36	12.7	0.7	13.3	2.0	113.9	341.6	12.7	0.7
82309PK1-1	951	19957	1.9	0.0157	20.8	0.002	9.5	0.46	13.5	1.3	15.8	3.3	382.4	419.7	13.5	1.3
82309PK1-3	1383	8642	4.8	0.0133	28.3	0.002	6.8	0.24	13.9	0.9	13.4	3.8	-78.9	684.4	13.9	0.9
82309PK1-9	918	3376	0.8	0.0171	15.3	0.002	7.9	0.52	14.7	1.2	17.2	2.6	392.6	294.5	14.7	1.2
82309PK1-5	462	969	1.0	0.0347	45.2	0.002	12.0	0.27	15.1	1.8	34.6	15.4	1755.2	840.2	15.1	1.8
82309PK1-23*	2010	23776	16.0	0.0224	9.6	0.003	4.7	0.49	22.1	1.0	22.5	2.1	66.4	199.6	22.1	1.0
82309PK1-2*	3272	61031	37.0	0.0217	5.5	0.003	4.3	0.77	22.2	0.9	21.8	1.2	-21.9	84.9	22.2	0.9
82309PK1-18*	1654	55891	3.1	0.0311	7.4	0.005	6.7	0.91	30.8	2.1	31.1	2.3	53.1	74.7	30.8	2.1
82309PK1-24*	697	706	2.4	0.0343	30.6	0.005	9.2	0.30	31.1	2.9	34.3	10.3	264.5	682.2	31.1	2.9
82309PK1-7*	185	7930	0.7	0.0630	176.7	0.007	6.0	0.03	44.7	2.6	62.0	106.7	795.7	972.8	44.7	2.6
82309PK1-22*	420	23897	1.4	0.0415	16.3	0.007	9.0	0.55	45.0	4.0	41.3	6.6	-167.2	340.4	45.0	4.0
82309PK1-16*	270	10407	0.9	0.0369	42.3	0.008	9.6	0.23	49.8	4.8	36.8	15.3	-746.8	1198.0	49.8	4.8
82309PK1-21*	335	6677	2.6	0.0535	15.6	0.009	10.2	0.65	60.4	6.2	52.9	8.1	-276.4	301.8	60.4	6.2
82309PK1-10*	128	8176	1.0	0.0579	87.8	0.013	6.0	0.07	84.8	5.1	57.1	48.8	-992.7	1608.9	84.8	5.1
82309PK1-20*	180	10450	0.7	0.0877	27.8	0.013	11.4	0.41	85.9	9.7	85.4	22.7	69.2	611.1	85.9	9.7
82309PK1-17*	117	8342	1.1	0.0882	26.8	0.014	9.0	0.34	89.0	8.0	85.9	22.0	-1.7	615.9	89.0	8.0

82309PK1-11*	288	16149	1.3	0.1297	9.5	0.019	3.9	0.41	123.8	4.8	123.8	11.0	123.7	203.1	123.8	4.8
<b>82309PK2</b>																
082309PK2-15	1146	2726	3.2	0.0128	33.0	0.002	7.0	0.21	13.3	0.9	12.9	4.2	-63.7	804.5	13.3	0.9
082309PK2-23	623	1283	0.4	0.0181	213.2	0.002	12.6	0.06	13.8	1.7	18.2	38.6	647.6	1365.1	13.8	1.7
082309PK2-21	2032	5853	0.7	0.0097	52.6	0.002	2.8	0.05	13.9	0.4	9.8	5.1	-899.1	1617.0	13.9	0.4
082309PK2-22	6895	8734	1.3	0.0141	10.4	0.002	2.9	0.28	13.9	0.4	14.2	1.5	56.2	237.3	13.9	0.4
082309PK2-4	1263	5260	2.8	0.0200	208.1	0.002	12.0	0.06	14.0	1.7	20.2	41.6	836.8	1140.9	14.0	1.7
082309PK2-9	1296	6157	0.3	0.0114	48.3	0.002	6.2	0.13	14.0	0.9	11.5	5.5	-492.3	1338.2	14.0	0.9
082309PK2-9C	1265	4824	0.2	0.0149	46.7	0.002	7.0	0.15	14.0	1.0	15.0	7.0	176.4	1132.6	14.0	1.0
082309PK2-24	1395	2549	0.3	0.0139	25.9	0.002	6.2	0.24	14.1	0.9	14.0	3.6	4.7	614.3	14.1	0.9
082309PK2-16	1896	2867	0.7	0.0142	30.8	0.002	4.0	0.13	14.3	0.6	14.3	4.4	17.1	749.7	14.3	0.6
082309PK2-13	684	5070	0.9	0.0151	83.4	0.002	7.6	0.09	14.4	1.1	15.2	12.6	146.4	2467.8	14.4	1.1
082309PK2-8	1587	6102	1.0	0.0115	29.8	0.002	8.1	0.27	14.9	1.2	11.6	3.4	-623.6	798.0	14.9	1.2
082309PK2-1	2510	6114	1.5	0.0159	20.5	0.002	14.4	0.70	15.7	2.3	16.0	3.3	61.5	348.8	15.7	2.3
082309PK2-3	4947	9817	2.6	0.0162	12.5	0.002	6.1	0.48	15.8	1.0	16.4	2.0	95.6	260.1	15.8	1.0
082309PK2-7	516	740	0.5	0.0230	68.4	0.003	20.0	0.29	16.3	3.2	23.1	15.6	806.1	1553.1	16.3	3.2
082309PK2-25*	6491	15698	18.4	0.0189	9.4	0.003	2.2	0.23	18.1	0.4	19.0	1.8	133.4	216.6	18.1	0.4
082309PK2-10*	1968	7612	0.8	0.0227	13.0	0.004	4.2	0.32	24.8	1.0	22.8	2.9	-185.8	308.1	24.8	1.0
082309PK2-6*	106	4150	0.7	0.2293	36.2	0.024	10.9	0.30	151.0	16.3	209.6	68.6	933.0	729.0	151.0	16.3
082309PK2-5*	1398	44194	1.9	0.1650	2.0	0.024	1.5	0.75	155.0	2.3	155.1	2.9	157.1	31.4	155.0	2.3
082309PK2-12*	553	935	1.4	0.0720	446.1	0.002	16.9	0.04	13.2	2.2	70.6	313.7	3208.2	11.6	3208.2	11.6
<b>82309PK3</b>																
082309PK3-24	7623	11123	2.2	0.0137	9.1	0.002	8.0	0.88	13.3	1.1	13.8	1.2	108.5	100.6	13.3	1.1
082309PK3-1	587	643	0.9	0.0132	53.6	0.002	15.1	0.28	13.5	2.0	13.4	7.1	-2.8	1321.6	13.5	2.0
082309PK3-7	2493	4400	2.2	0.0148	33.3	0.002	15.9	0.48	13.8	2.2	14.9	4.9	202.5	692.6	13.8	2.2
082309PK3-10	1221	3552	1.1	0.0120	52.9	0.002	13.6	0.26	14.0	1.9	12.1	6.3	-351.5	1400.7	14.0	1.9
082309PK3-5	4302	14702	1.4	0.0131	8.1	0.002	1.8	0.22	14.0	0.3	13.2	1.1	-133.9	196.8	14.0	0.3
082309PK3-18	4255	9809	0.7	0.0134	13.4	0.002	1.7	0.13	14.1	0.2	13.5	1.8	-93.9	328.2	14.1	0.2
082309PK3-20	1707	4362	0.7	0.0121	35.6	0.002	6.9	0.19	14.1	1.0	12.2	4.3	-354.7	925.2	14.1	1.0
082309PK3-15	2883	6320	1.4	0.0131	21.5	0.002	4.0	0.19	14.2	0.6	13.2	2.8	-168.4	530.6	14.2	0.6
082309PK3-21	5485	22364	2.7	0.0144	8.2	0.002	5.9	0.72	14.2	0.8	14.5	1.2	57.2	135.7	14.2	0.8
082309PK3-22	3067	11003	0.6	0.0138	13.3	0.002	3.9	0.29	14.5	0.6	13.9	1.8	-77.4	312.5	14.5	0.6

082309PK3-17	3855	8973	1.2	0.0145	10.8	0.002	4.2	0.39	14.5	0.6	14.6	1.6	25.5	239.9	14.5	0.6
082309PK3-4	2852	11152	1.2	0.0142	12.0	0.002	3.9	0.32	14.6	0.6	14.3	1.7	-29.2	276.0	14.6	0.6
082309PK3-12	4502	17579	1.0	0.0155	10.9	0.002	1.8	0.16	14.8	0.3	15.6	1.7	145.5	252.9	14.8	0.3
082309PK3-16	452	1468	0.6	0.0225	92.8	0.002	13.9	0.15	14.8	2.1	22.6	20.7	959.7	275.6	14.8	2.1
082309PK3-6	5689	7083	1.0	0.0152	7.7	0.002	2.8	0.36	14.8	0.4	15.3	1.2	96.5	168.9	14.8	0.4
082309PK3-19	7124	5711	2.3	0.0158	10.3	0.002	2.3	0.22	14.9	0.3	16.0	1.6	180.2	233.9	14.9	0.3
082309PK3-3	4507	24643	1.9	0.0165	12.6	0.002	6.0	0.48	15.4	0.9	16.7	2.1	202.8	258.6	15.4	0.9
082309PK3-23	4000	10795	0.8	0.0168	14.9	0.002	5.8	0.39	15.9	0.9	16.9	2.5	154.3	321.6	15.9	0.9
082309PK3-14	8419	31398	2.0	0.0161	9.9	0.002	8.3	0.84	16.0	1.3	16.2	1.6	40.3	127.8	16.0	1.3
082309PK3-13*	1461	14353	0.9	0.0853	5.9	0.013	2.9	0.50	82.5	2.4	83.1	4.7	102.0	119.8	82.5	2.4
082309PK3-9*	126	4457	1.2	0.1228	41.3	0.018	6.9	0.17	116.2	8.0	117.6	45.9	146.0	993.4	116.2	8.0
<b>082309PK4</b>																
082309PK4-13	4721	10888	1.6	0.0147	6.4	0.002	1.7	0.27	13.8	0.2	14.9	1.0	185.7	144.6	13.8	0.2
082309PK4-14	1718	4852	4.4	0.0133	43.9	0.002	4.2	0.09	14.3	0.6	13.4	5.9	-146.0	1132.6	14.3	0.6
082309PK4-10	1099	2283	0.3	0.0088	58.6	0.002	8.9	0.15	14.7	1.3	8.9	5.2	-1379.5	2016.8	14.7	1.3
082309PK4-8	681	2000	0.5	0.0172	30.7	0.002	13.9	0.45	14.8	2.0	17.3	5.3	382.2	626.7	14.8	2.0
082309PK4-9	514	660	0.4	0.0180	77.8	0.002	16.2	0.21	15.0	2.4	18.1	13.9	445.5	2034.7	15.0	2.4
082309PK4-6	3951	16692	3.9	0.0143	11.3	0.002	1.9	0.17	15.2	0.3	14.4	1.6	-105.6	275.2	15.2	0.3
082309PK4-3	5250	7653	2.4	0.0145	15.5	0.002	2.8	0.18	15.3	0.4	14.6	2.2	-94.9	375.5	15.3	0.4
082309PK4-15	3763	10452	3.8	0.0140	11.5	0.002	2.3	0.20	15.5	0.4	14.1	1.6	-220.1	284.8	15.5	0.4
082309PK4-12	1157	2888	0.9	0.0077	86.0	0.003	7.1	0.08	16.7	1.2	7.8	6.7	-2334.8	1176.2	16.7	1.2
082309PK4-2	1151	5866	1.7	0.0155	15.9	0.003	4.3	0.27	17.8	0.8	15.6	2.5	-314.9	395.2	17.8	0.8
082309PK4-7	1385	5606	2.9	0.0183	34.6	0.003	5.9	0.17	18.9	1.1	18.4	6.3	-50.8	850.3	18.9	1.1
082309PK4-17*	403	11533	1.3	0.1316	15.6	0.020	7.9	0.51	128.0	10.0	125.6	18.5	79.4	321.7	128.0	10.0
082309PK4-4*	483	13885	0.9	0.1269	10.1	0.020	2.9	0.28	129.7	3.7	121.3	11.5	-40.3	235.1	129.7	3.7
<b>82309PK5</b>																
82309PK5-10	2581	19735	2.0	0.0136	10.8	0.002	3.6	0.34	14.0	0.5	13.7	1.5	-29.0	247.5	14.0	0.5
82309PK5-4	586	3381	0.5	0.0156	27.8	0.002	8.7	0.31	14.5	1.3	15.7	4.3	203.7	621.4	14.5	1.3
82309PK5-15	1517	15002	0.9	0.0151	14.6	0.002	6.1	0.42	14.7	0.9	15.3	2.2	100.5	315.7	14.7	0.9
82309PK5-9	1946	17300	3.2	0.0144	11.4	0.002	5.2	0.46	14.8	0.8	14.5	1.6	-46.9	246.1	14.8	0.8
82309PK5-13	2058	15109	2.4	0.0154	8.4	0.002	4.6	0.55	15.1	0.7	15.5	1.3	73.9	167.4	15.1	0.7
<b>82409PK1</b>																

82409PK1-12	386	21898	1.0	0.1091	6.9	0.017	1.8	0.26	107.1	1.9	105.2	6.9	62.3	159.1	107.1	1.9
82409PK1-6	139	7941	1.6	0.1049	18.6	0.017	6.6	0.36	107.4	7.0	101.3	17.9	-41.4	424.8	107.4	7.0
082409PK1-8	716	7104	0.7	0.1191	9.9	0.017	1.5	0.15	107.6	1.6	114.2	10.7	254.0	225.4	107.6	1.6
82409PK1-1	250	26627	1.4	0.1118	10.5	0.017	2.2	0.21	108.3	2.4	107.7	10.7	92.8	244.1	108.3	2.4
82409PK1-7	254	12319	1.2	0.1021	14.9	0.017	1.6	0.11	108.3	1.7	98.7	14.0	-128.1	366.6	108.3	1.7
82409PK1-19	271	20287	1.1	0.1057	8.9	0.017	2.0	0.22	108.5	2.1	102.1	8.6	-44.6	210.3	108.5	2.1
82409PK1-20	399	21657	0.7	0.1083	5.8	0.017	2.4	0.41	108.8	2.6	104.4	5.7	6.7	126.9	108.8	2.6
82409PK1-9	243	9514	1.2	0.1157	7.2	0.017	2.9	0.40	109.0	3.1	111.1	7.6	158.0	154.0	109.0	3.1
82409PK1-5	104	20001	1.7	0.1192	21.6	0.017	2.6	0.12	109.1	2.8	114.4	23.3	225.8	499.6	109.1	2.8
82409PK1-2	204	15906	1.3	0.1135	9.8	0.017	2.1	0.22	109.4	2.3	109.2	10.1	104.7	226.5	109.4	2.3
82409PK1-17	359	30294	0.9	0.1121	8.1	0.017	2.6	0.32	109.5	2.8	107.9	8.3	73.1	183.4	109.5	2.8
82409PK1-15	341	22094	1.0	0.1212	10.9	0.017	3.2	0.30	109.5	3.5	116.1	12.0	253.4	240.1	109.5	3.5
82409PK1-11	269	30755	0.9	0.0986	15.9	0.017	3.0	0.19	109.7	3.3	95.5	14.5	-247.0	396.6	109.7	3.3
82409PK1-16	249	14380	1.8	0.1185	12.9	0.017	5.1	0.40	110.0	5.6	113.7	13.8	191.2	275.2	110.0	5.6
082409PK1-11	601	14852	0.9	0.1146	12.9	0.017	2.4	0.19	110.2	2.7	110.2	13.4	109.6	299.1	110.2	2.7
82409PK1-8	171	8902	1.5	0.1104	17.9	0.017	3.5	0.20	110.2	3.9	106.3	18.0	20.0	423.0	110.2	3.9
82409PK1-18	170	7844	2.8	0.1079	17.4	0.017	4.6	0.26	110.3	5.0	104.0	17.2	-37.9	410.8	110.3	5.0
82409PK1-3	407	35667	1.0	0.1202	4.5	0.017	1.4	0.32	111.2	1.6	115.3	4.9	200.6	98.1	111.2	1.6
082409PK1-21	429	5647	1.1	0.1237	16.4	0.017	3.2	0.20	111.3	3.6	118.4	18.4	264.6	371.7	111.3	3.6
82409PK1-4	309	31961	1.6	0.1190	8.1	0.017	2.3	0.28	111.3	2.5	114.2	8.8	175.2	181.8	111.3	2.5
082409PK1-9	767	13047	0.9	0.1118	8.0	0.018	5.8	0.73	112.2	6.5	107.6	8.1	7.2	132.1	112.2	6.5
082409PK1-1	216	1934	1.1	0.1262	27.5	0.018	3.4	0.12	112.7	3.8	120.7	31.3	281.3	634.6	112.7	3.8
82409PK1-13	328	28342	1.4	0.1156	9.1	0.018	2.4	0.26	112.7	2.7	111.1	9.6	77.2	209.6	112.7	2.7
82409PK1-10	222	18114	0.9	0.1110	15.2	0.018	3.4	0.22	112.7	3.8	106.9	15.5	-21.1	360.9	112.7	3.8
082409PK1-18	873	16551	0.8	0.1244	8.6	0.018	2.3	0.26	112.9	2.5	119.1	9.7	244.0	192.0	112.9	2.5
082409PK1-17	284	4669	1.1	0.1086	22.3	0.018	10.5	0.47	113.0	11.7	104.7	22.2	-80.6	485.7	113.0	11.7
082409PK1-20	350	5033	0.9	0.1143	12.4	0.018	4.3	0.34	113.6	4.8	109.9	13.0	31.4	280.8	113.6	4.8
082409PK1-7	291	4889	1.0	0.1334	13.3	0.018	3.4	0.25	114.2	3.8	127.1	15.8	376.0	289.5	114.2	3.8
082409PK1-13	364	7019	1.4	0.1085	17.9	0.018	5.3	0.30	115.3	6.1	104.6	17.8	-132.3	424.7	115.3	6.1
082409PK1-10	477	11989	1.1	0.1158	7.8	0.018	2.5	0.32	115.4	2.9	111.3	8.3	23.4	178.6	115.4	2.9
082409PK1-5	457	13649	0.7	0.1176	9.7	0.018	4.1	0.42	116.8	4.7	112.9	10.4	31.6	212.3	116.8	4.7
082409PK1-2	344	11728	0.9	0.1148	20.8	0.018	2.2	0.11	117.2	2.6	110.4	21.8	-34.7	506.4	117.2	2.6

082409PK1-6	505	14124	0.9	0.1187	7.9	0.018	3.1	0.39	117.7	3.6	113.9	8.5	34.9	174.2	117.7	3.6
082409PK1-19	373	9400	0.8	0.1173	11.7	0.018	3.6	0.31	117.8	4.2	112.6	12.4	4.4	268.4	117.8	4.2
082409PK1-12	315	19366	1.5	0.1206	13.5	0.019	8.5	0.63	118.2	9.9	115.6	14.8	62.6	252.2	118.2	9.9
082409PK1-3	253	9613	1.2	0.1169	27.1	0.019	4.4	0.16	118.3	5.2	112.2	28.8	-15.3	655.6	118.3	5.2
082409PK1-4	899	17220	0.9	0.1272	5.6	0.019	2.0	0.35	121.3	2.4	121.6	6.4	128.0	122.6	121.3	2.4
<b>82409PK2</b>																
82409PK2-13	521	35960	1.2	0.1499	6.7	0.022	5.2	0.78	138.1	7.1	141.8	8.9	204.1	98.1	138.1	7.1
82409PK2-15	412	12616	1.0	0.1444	4.4	0.022	3.8	0.86	142.1	5.3	137.0	5.6	49.1	54.4	142.1	5.3
82409PK2-17	333	16442	0.9	0.1517	5.3	0.022	2.4	0.46	142.1	3.4	143.4	7.1	164.0	110.4	142.1	3.4
82409PK2-9	563	13461	1.1	0.1474	4.5	0.022	2.3	0.51	142.1	3.3	139.7	5.9	97.4	92.2	142.1	3.3
82409PK2-4	233	7412	1.3	0.1454	10.2	0.022	4.1	0.40	142.6	5.8	137.8	13.1	55.4	222.2	142.6	5.8
82409PK2-18	320	15281	1.8	0.1491	6.5	0.022	5.0	0.77	142.8	7.0	141.1	8.5	113.5	97.4	142.8	7.0
82409PK2-5	334	13288	1.5	0.1519	7.3	0.022	2.4	0.33	143.4	3.4	143.6	9.8	146.3	162.5	143.4	3.4
82409PK2-14	480	21460	1.1	0.1510	8.1	0.023	7.3	0.91	143.8	10.4	142.8	10.7	126.1	80.7	143.8	10.4
82409PK2-8	338	12823	1.0	0.1516	5.2	0.023	1.6	0.30	144.2	2.2	143.3	7.0	127.7	118.0	144.2	2.2
82409PK2-1	395	13107	1.4	0.1532	4.6	0.023	2.8	0.60	144.5	4.0	144.7	6.2	149.1	86.6	144.5	4.0
82409PK2-11	316	12234	1.5	0.1557	8.1	0.023	1.6	0.19	144.8	2.3	146.9	11.1	181.8	185.1	144.8	2.3
82409PK2-16	228	8027	1.1	0.1415	4.3	0.023	2.9	0.67	144.8	4.1	134.4	5.4	-46.0	77.5	144.8	4.1
82409PK2-19	455	17371	1.3	0.1602	5.4	0.023	2.4	0.45	145.6	3.5	150.9	7.5	234.5	111.0	145.6	3.5
82409PK2-12	298	9210	1.2	0.1587	8.0	0.023	4.4	0.55	147.0	6.4	149.5	11.1	190.4	155.0	147.0	6.4
82409PK2-20	260	8620	1.0	0.1563	6.5	0.023	2.7	0.41	147.0	3.9	147.5	9.0	154.8	139.9	147.0	3.9
82409PK2-10	265	6874	1.1	0.1464	6.7	0.023	2.6	0.39	147.6	3.8	138.8	8.7	-9.6	149.6	147.6	3.8
82409PK2-6	244	11645	1.2	0.1516	5.9	0.024	2.0	0.34	151.9	3.0	143.3	7.8	2.4	133.3	151.9	3.0
82409PK2-3	196	10428	1.3	0.1552	7.9	0.024	3.0	0.37	154.1	4.5	146.5	10.8	25.2	176.3	154.1	4.5
82409PK2-2	698	48953	1.0	0.1797	5.3	0.026	4.7	0.88	163.9	7.6	167.8	8.2	222.3	59.2	163.9	7.6
<b>82609PK1</b>																
082609PK1-2	844	933	0.6	0.0162	53.4	0.002	22.8	0.43	12.8	2.9	16.3	8.6	574.0	1113.5	12.8	2.9
082609PK1-15	4278	7391	0.9	0.0129	17.6	0.002	2.5	0.14	13.3	0.3	13.0	2.3	-47.4	425.6	13.3	0.3
082609PK1-11	959	1820	0.4	0.0128	42.7	0.002	9.3	0.22	13.3	1.2	12.9	5.5	-60.4	1057.1	13.3	1.2
082609PK1-6	484	1141	1.4	0.0071	68.8	0.002	22.5	0.33	13.5	3.0	7.2	4.9	-1838.0	460.8	13.5	3.0
082609PK1-8	1189	3920	0.6	0.0126	37.2	0.002	5.8	0.16	13.7	0.8	12.7	4.7	-175.5	942.7	13.7	0.8
082609PK1-20	667	924	8.2	0.0045	105.7	0.002	20.1	0.19	13.9	2.8	4.6	4.9	0.0	0.0	13.9	2.8

082609PK1-19	4566	4798	2.9	0.0146	9.1	0.002	2.9	0.32	14.2	0.4	14.7	1.3	96.4	204.7	14.2	0.4
082609PK1-14	927	2796	0.5	0.0107	74.5	0.002	17.7	0.24	14.4	2.5	10.8	8.0	-736.8	2323.1	14.4	2.5
082609PK1-21	1502	3453	1.6	0.0132	37.9	0.002	6.0	0.16	14.9	0.9	13.3	5.0	-271.3	980.0	14.9	0.9
082609PK1-4	576	984	0.4	0.0293	164.4	0.002	16.3	0.10	15.5	2.5	29.3	47.6	1391.7	414.1	15.5	2.5
082609PK1-1*	761	3697	1.9	0.0464	15.8	0.007	6.7	0.42	45.5	3.0	46.0	7.1	72.6	341.8	45.5	3.0
082609PK1-7C*	348	3337	1.1	0.0629	46.4	0.010	5.7	0.12	63.6	3.6	61.9	27.9	-1.7	1165.9	63.6	3.6
082609PK1-7*	605	7608	1.0	0.0579	15.1	0.010	4.7	0.31	66.6	3.1	57.1	8.4	-325.5	371.4	66.6	3.1
082609PK1-17*	1342	27963	1.1	0.1441	2.9	0.021	1.4	0.46	136.5	1.8	136.7	3.8	140.1	61.2	136.5	1.8
082609PK1-10*	214	2663	3.0	0.1285	201.6	0.009	20.2	0.10	54.9	11.1	122.8	237.3	1781.4	306.3	1781.4	306.3
082609PK1-3*	416	1536	1.0	0.1107	632.0	0.002	22.7	0.04	15.1	3.4	106.6	752.3	3677.1	22.4	3677.1	22.4
<b>82609PK4</b>																
82609PK4-19	1711	10002	4.0	0.0142	52.2	0.002	8.9	0.17	11.0	1.0	14.3	7.4	610.4	1191.6	11.0	1.0
82609PK4-20	1963	19304	2.5	0.0128	13.0	0.002	5.9	0.45	12.5	0.7	13.0	1.7	95.4	275.1	12.5	0.7
82609PK4-17	2441	39781	2.7	0.0129	10.6	0.002	4.0	0.38	12.9	0.5	13.0	1.4	24.4	235.7	12.9	0.5
82609PK4-5	953	10196	1.5	0.0116	16.9	0.002	5.4	0.32	12.9	0.7	11.8	2.0	-217.8	404.2	12.9	0.7
82609PK4-13	1953	31742	2.2	0.0130	10.3	0.002	5.7	0.56	13.0	0.7	13.1	1.3	30.5	205.8	13.0	0.7
82609PK4-11	288	3738	0.6	0.0146	52.2	0.002	14.7	0.28	13.1	1.9	14.7	7.6	290.3	1219.0	13.1	1.9
82609PK4-4	1060	13454	1.0	0.0155	21.5	0.002	4.9	0.23	13.4	0.7	15.6	3.3	372.5	476.1	13.4	0.7
82609PK4-6	1461	16391	1.1	0.0128	13.3	0.002	5.5	0.42	13.5	0.7	12.9	1.7	-91.4	296.8	13.5	0.7
82609PK4-10	2635	14805	0.7	0.0142	9.6	0.002	5.5	0.58	13.5	0.7	14.4	1.4	159.2	183.3	13.5	0.7
82609PK4-7	1250	6490	1.0	0.0153	12.5	0.002	8.6	0.69	13.8	1.2	15.4	1.9	277.5	209.5	13.8	1.2
82609PK4-3	779	1766	0.9	0.0159	37.8	0.002	8.1	0.21	13.8	1.1	16.1	6.0	362.3	861.2	13.8	1.1
82609PK4-1	322	2293	0.5	0.0154	128.9	0.002	9.0	0.07	13.9	1.2	15.5	19.9	276.7	1060.9	13.9	1.2
82609PK4-18	1235	7795	0.8	0.0144	20.0	0.002	11.1	0.55	14.6	1.6	14.5	2.9	3.3	404.2	14.6	1.6
82609PK4-9	3781	58590	0.5	0.0189	12.4	0.003	11.3	0.91	18.4	2.1	19.0	2.3	94.9	119.4	18.4	2.1
82609PK4-8	3772	32852	1.3	0.0188	13.3	0.003	11.0	0.83	18.5	2.0	18.9	2.5	70.4	178.6	18.5	2.0
82609PK4-14*	369	9787	1.9	0.0251	20.0	0.005	7.7	0.38	31.2	2.4	25.2	5.0	-523.5	498.6	31.2	2.4
82609PK4-16*	448	30366	1.0	0.0743	14.4	0.012	8.9	0.62	79.7	7.0	72.7	10.1	-149.8	281.8	79.7	7.0
<b>82609PK5</b>																
82609PK5-14	1345	28162	8.2	0.0117	19.5	0.002	5.7	0.29	12.0	0.7	11.8	2.3	-28.0	456.1	12.0	0.7
82609PK5-15	721	3985	0.5	0.0148	40.3	0.002	8.9	0.22	12.5	1.1	14.9	6.0	431.6	907.6	12.5	1.1
82609PK5-3*	375	5384	0.5	0.0883	#####	0.002	16.3	0.02	12.6	2.0	85.9	1317.1	3608.1	673.2	12.6	2.0

82609PK5-4	1017	9008	1.1	0.0114	31.8	0.002	4.3	0.14	12.7	0.5	11.6	3.7	-217.1	810.2	12.7	0.5
82609PK5-2	604	2473	0.4	0.0183	38.0	0.002	11.2	0.30	12.7	1.4	18.4	6.9	852.2	779.9	12.7	1.4
82609PK5-18	1357	7852	0.8	0.0111	19.7	0.002	5.0	0.25	12.8	0.6	11.2	2.2	-326.8	494.9	12.8	0.6
82609PK5-16	719	7916	0.7	0.0126	30.9	0.002	9.4	0.30	13.2	1.2	12.7	3.9	-64.8	731.9	13.2	1.2
82609PK5-19	788	11775	1.4	0.0148	24.4	0.002	8.1	0.33	13.2	1.1	14.9	3.6	297.6	531.7	13.2	1.1
82609PK5-11	2319	49532	1.1	0.0130	11.3	0.002	3.5	0.31	13.4	0.5	13.1	1.5	-49.2	260.9	13.4	0.5
82609PK5-8	714	9926	0.4	0.0127	40.6	0.002	10.8	0.27	13.5	1.5	12.8	5.2	-112.2	998.5	13.5	1.5
82609PK5-7	610	19050	0.3	0.0107	26.4	0.002	11.8	0.45	13.7	1.6	10.8	2.8	-606.4	651.6	13.7	1.6
82609PK5-5	1297	12353	0.5	0.0160	17.1	0.002	6.0	0.35	13.9	0.8	16.1	2.7	350.1	362.8	13.9	0.8
82609PK5-17	726	7701	0.8	0.0141	45.4	0.002	9.5	0.21	14.1	1.3	14.2	6.4	33.9	1113.5	14.1	1.3
82609PK5-13*	827	48707	2.9	0.0425	6.7	0.006	3.2	0.48	41.3	1.3	42.3	2.8	100.1	139.8	41.3	1.3
82609PK5-12*	326	14962	4.0	0.0472	14.4	0.008	9.5	0.66	52.7	5.0	46.8	6.6	-243.7	271.9	52.7	5.0
<b>82609PK6</b>																
082609PK6-12	692	1380	0.4	0.0071	98.3	0.002	16.7	0.17	11.7	1.9	7.2	7.1	-1312.9	0.0	11.7	1.9
082609PK6-13	651	1213	0.5	0.0219	178.5	0.002	11.8	0.07	12.1	1.4	22.0	38.9	1309.8	555.5	12.1	1.4
082609PK6-4	6439	13780	3.1	0.0123	10.9	0.002	5.6	0.51	12.2	0.7	12.4	1.3	51.7	224.5	12.2	0.7
082609PK6-21	5369	11076	0.7	0.0137	9.2	0.002	4.1	0.45	12.5	0.5	13.9	1.3	265.2	188.0	12.5	0.5
082609PK6-11	2821	5208	0.6	0.0120	27.8	0.002	4.4	0.16	12.6	0.6	12.1	3.3	-82.9	682.3	12.6	0.6
082609PK6-9	5554	33969	1.0	0.0125	15.2	0.002	2.7	0.18	12.6	0.3	12.6	1.9	23.9	359.9	12.6	0.3
082609PK6-2	925	1558	0.7	0.0149	42.1	0.002	15.5	0.37	12.6	2.0	15.1	6.3	425.2	905.5	12.6	2.0
082609PK6-23	6845	10944	1.6	0.0132	13.6	0.002	2.6	0.19	12.6	0.3	13.3	1.8	140.5	315.2	12.6	0.3
082609PK6-10	2929	7794	1.5	0.0113	22.2	0.002	4.0	0.18	12.8	0.5	11.4	2.5	-283.4	561.9	12.8	0.5
082609PK6-17	3273	9695	5.3	0.0117	23.3	0.002	5.8	0.25	13.1	0.8	11.8	2.7	-242.0	576.7	13.1	0.8
082609PK6-8	1043	1481	0.5	0.0129	28.4	0.002	6.6	0.23	13.1	0.9	13.0	3.7	-10.4	679.4	13.1	0.9
082609PK6-15	1143	4809	0.8	0.0275	37.8	0.002	14.8	0.39	13.2	1.9	27.6	10.3	1582.1	672.1	13.2	1.9
082609PK6-22	6188	29328	0.9	0.0136	8.3	0.002	5.4	0.65	13.8	0.7	13.7	1.1	5.8	152.7	13.8	0.7
082609PK6-6	2873	7117	0.6	0.0129	22.9	0.002	3.0	0.13	14.1	0.4	13.1	3.0	-182.7	573.7	14.1	0.4
082609PK6-5	8976	19770	14.0	0.0146	11.3	0.002	10.0	0.89	14.9	1.5	14.7	1.6	-17.4	125.6	14.9	1.5
082609PK6-19	748	2383	1.0	0.0201	53.0	0.002	16.5	0.31	15.9	2.6	20.2	10.6	563.5	1171.0	15.9	2.6
082609PK6-14	8978	18894	15.8	0.0180	13.7	0.003	12.9	0.94	17.9	2.3	18.1	2.5	47.2	110.0	17.9	2.3
082609PK6-3	3211	7397	1.6	0.0160	19.3	0.003	6.2	0.32	18.5	1.1	16.1	3.1	-323.9	473.3	18.5	1.1
082609PK6-20	8987	28647	9.1	0.0197	8.1	0.003	7.7	0.95	19.5	1.5	19.8	1.6	53.5	63.0	19.5	1.5



082609PK6-1*	394	2481	3.1	0.0683	20.6	0.010	11.7	0.57	62.2	7.3	67.1	13.4	243.9	394.2	62.2	7.3
082609PK6-16*	377	2481	1.3	0.0291	50.0	0.011	14.4	0.29	68.1	9.7	29.1	14.4	-2663.3	237.5	68.1	9.7
082609PK6-7*	695	23092	0.9	0.0787	16.9	0.012	4.5	0.27	75.7	3.4	76.9	12.5	115.1	386.6	75.7	3.4
082609PK6-16C*	237	6493	1.0	0.0980	20.8	0.013	9.1	0.44	83.2	7.5	94.9	18.9	400.8	422.1	83.2	7.5
<b>82709PK2</b>																
82709PK2-16	348	20404	3.7	0.1130	18.1	0.018	8.5	0.47	114.5	9.6	108.7	18.6	-14.8	387.4	114.5	9.6
82709PK2-20	720	44795	1.8	0.1185	7.7	0.018	4.1	0.53	115.4	4.7	113.7	8.3	79.2	155.6	115.4	4.7
82709PK2-5	388	29022	1.0	0.1239	7.3	0.019	5.1	0.71	119.7	6.1	118.6	8.1	97.0	121.6	119.7	6.1
82709PK2-15	254	12823	1.3	0.1151	8.6	0.019	5.3	0.61	121.5	6.3	110.6	9.1	-117.4	169.3	121.5	6.3
82709PK2-7	66	4637	1.4	0.1484	40.9	0.019	6.6	0.16	122.4	8.0	140.5	53.7	458.6	931.2	122.4	8.0
82709PK2-10	197	12484	1.0	0.1336	18.2	0.019	6.2	0.34	122.4	7.5	127.3	21.8	220.4	398.2	122.4	7.5
82709PK2-19	141	13777	1.5	0.1284	19.2	0.019	7.1	0.37	122.6	8.6	122.6	22.2	122.9	422.6	122.6	8.6
82709PK2-8	139	8975	1.5	0.1201	30.6	0.019	9.0	0.29	123.1	10.9	115.2	33.3	-45.4	724.6	123.1	10.9
82709PK2-12	152	11138	1.2	0.1080	25.4	0.019	4.0	0.16	123.5	4.9	104.1	25.1	-319.6	650.7	123.5	4.9
82709PK2-1	248	24035	2.7	0.1174	13.2	0.020	7.5	0.57	124.5	9.3	112.7	14.1	-130.7	268.9	124.5	9.3
82709PK2-2	174	18988	1.2	0.1186	13.1	0.020	6.8	0.52	124.6	8.5	113.8	14.1	-107.0	275.1	124.6	8.5
82709PK2-3	167	7291	1.5	0.1136	25.1	0.020	6.2	0.25	125.7	7.7	109.3	26.0	-235.6	621.5	125.7	7.7
82709PK2-14	209	19956	1.3	0.1436	13.0	0.020	7.9	0.61	126.2	9.9	136.3	16.5	315.1	233.5	126.2	9.9
82709PK2-6	459	27883	3.5	0.1376	8.1	0.020	3.5	0.43	126.7	4.4	130.9	9.9	207.2	169.2	126.7	4.4
82709PK2-4	151	15816	1.2	0.1271	13.2	0.020	4.6	0.35	127.4	5.9	121.5	15.1	6.2	298.0	127.4	5.9
82709PK2-11	182	8537	0.9	0.1358	21.5	0.021	6.2	0.29	132.6	8.2	129.3	26.1	69.6	493.1	132.6	8.2
82709PK2-9	213	19537	1.3	0.1393	16.0	0.021	5.1	0.32	136.4	6.9	132.4	19.8	62.5	362.6	136.4	6.9
<b>82709PK3</b>																
82709PK3-4	266	41527	0.8	0.1538	10.6	0.023	8.6	0.81	146.3	12.5	145.2	14.4	127.7	146.3	146.3	12.5
82709PK3-5	238	24043	1.1	0.1734	14.2	0.023	6.8	0.48	147.5	9.9	162.4	21.3	385.2	281.7	147.5	9.9
82709PK3-15	320	17343	1.2	0.1591	8.4	0.023	5.1	0.61	147.7	7.5	149.9	11.7	184.5	154.3	147.7	7.5
82709PK3-14	214	27131	1.1	0.1596	11.2	0.023	7.5	0.67	148.0	11.0	150.4	15.7	188.2	193.5	148.0	11.0
82709PK3-2	359	21134	1.1	0.1652	9.3	0.024	4.0	0.43	150.9	5.9	155.2	13.4	222.4	194.7	150.9	5.9
82709PK3-19	287	30292	1.0	0.1647	12.4	0.024	7.8	0.63	151.0	11.7	154.8	17.9	213.6	224.2	151.0	11.7
82709PK3-16	218	14753	1.4	0.1567	13.8	0.024	5.1	0.37	151.0	7.6	147.8	19.0	96.1	305.1	151.0	7.6
82709PK3-9	261	15120	1.1	0.1608	7.8	0.024	4.6	0.59	151.9	7.0	151.4	11.0	143.1	147.7	151.9	7.0
82709PK3-3	275	14098	1.0	0.1576	8.1	0.024	4.5	0.55	152.4	6.7	148.6	11.2	89.1	161.2	152.4	6.7

82709PK3-8	236	54696	1.1	0.1582	7.9	0.024	7.1	0.89	152.6	10.6	149.1	11.0	93.4	84.9	152.6	10.6
82709PK3-10	414	36497	1.8	0.1596	6.3	0.024	3.3	0.53	154.1	5.1	150.3	8.8	90.8	126.3	154.1	5.1
82709PK3-11	685	75121	3.9	0.1666	8.6	0.024	7.0	0.82	154.6	10.8	156.5	12.4	185.5	114.0	154.6	10.8
82709PK3-17	362	34151	1.0	0.1678	11.3	0.024	9.2	0.81	155.1	14.1	157.5	16.5	193.8	153.8	155.1	14.1
82709PK3-20	378	46555	0.9	0.1702	5.1	0.024	3.9	0.75	155.3	6.0	159.6	7.6	223.5	78.1	155.3	6.0
82709PK3-6	377	38416	1.1	0.1662	5.2	0.024	2.7	0.52	155.7	4.2	156.1	7.5	161.6	104.0	155.7	4.2
82709PK3-7	1224	105978	1.4	0.1680	8.3	0.025	8.2	0.98	156.2	12.6	157.7	12.1	179.6	35.1	156.2	12.6
82709PK3-1	221	45541	1.1	0.1639	17.2	0.025	4.5	0.26	159.0	7.1	154.1	24.6	80.0	396.4	159.0	7.1
82709PK3-12	310	67688	0.8	0.1685	8.4	0.025	5.9	0.71	159.7	9.3	158.2	12.3	134.7	139.5	159.7	9.3
82709PK3-18	1401	115897	2.2	0.1734	8.3	0.025	8.2	0.99	161.6	13.0	162.4	12.4	174.4	25.9	161.6	13.0
82709PK3-13	403	67929	1.4	0.1721	7.6	0.027	4.5	0.58	171.4	7.6	161.2	11.4	14.5	149.2	171.4	7.6
<b>82809PK1</b>																
82809PK1-9	197	4419	0.8	0.1302	8.4	0.019	2.0	0.23	122.6	2.4	124.3	9.9	157.5	192.0	122.6	2.4
82809PK1-14	746	21240	1.1	0.1280	3.8	0.019	2.7	0.72	124.4	3.3	122.3	4.3	80.6	62.0	124.4	3.3
82809PK1-15	184	7003	0.6	0.1347	13.0	0.020	2.7	0.21	124.8	3.3	128.3	15.7	193.1	297.3	124.8	3.3
82809PK1-10*	135	5099	1.1	0.0891	38.6	0.020	4.2	0.11	124.9	5.2	86.7	32.1	-872.5	1138.9	124.9	5.2
82809PK1-20	232	7921	1.1	0.1264	10.3	0.020	2.4	0.23	125.1	3.0	120.9	11.8	38.0	240.5	125.1	3.0
82809PK1-4	160	2576	0.9	0.1067	18.7	0.020	6.1	0.33	125.4	7.6	103.0	18.3	-389.8	462.1	125.4	7.6
82809PK1-13	160	3336	1.3	0.1096	14.6	0.020	2.4	0.16	126.5	3.0	105.6	14.6	-343.2	372.2	126.5	3.0
82809PK1-17	177	4307	1.1	0.1136	15.0	0.020	2.5	0.17	126.5	3.1	109.3	15.5	-252.7	375.4	126.5	3.1
82809PK1-6	338	9938	1.6	0.1321	6.7	0.020	2.0	0.31	126.7	2.6	126.0	7.9	112.6	149.9	126.7	2.6
82809PK1-12	203	5104	1.0	0.1368	11.2	0.020	6.5	0.58	127.1	8.2	130.2	13.7	187.0	213.1	127.1	8.2
82809PK1-18	153	6270	1.0	0.1296	9.2	0.020	4.5	0.49	127.2	5.7	123.8	10.7	59.0	189.9	127.2	5.7
82809PK1-16	151	2856	1.0	0.1122	13.2	0.020	3.0	0.23	127.6	3.8	108.0	13.5	-305.2	330.1	127.6	3.8
82809PK1-1*	56	846	1.0	0.0516	61.4	0.020	8.4	0.14	127.8	10.7	51.1	30.6	-2946.2	40.6	127.8	10.7
82809PK1-3	300	4895	1.2	0.1321	6.2	0.020	1.8	0.30	128.0	2.3	126.0	7.3	87.7	139.7	128.0	2.3
82809PK1-11	78	2500	1.1	0.1321	23.2	0.020	6.3	0.27	128.7	8.1	126.0	27.4	75.2	535.2	128.7	8.1
82809PK1-2	208	4307	1.0	0.1202	10.9	0.020	2.7	0.25	129.0	3.5	115.2	11.9	-160.3	262.7	129.0	3.5
82809PK1-19	296	7896	0.8	0.1342	7.7	0.020	3.0	0.39	129.3	3.9	127.9	9.3	101.6	168.7	129.3	3.9
82809PK1-5	222	4620	1.1	0.1369	8.5	0.020	4.0	0.47	129.7	5.1	130.3	10.4	141.2	177.2	129.7	5.1
82809PK1-7	157	3271	1.0	0.1187	12.3	0.021	2.5	0.20	132.5	3.2	113.9	13.2	-258.1	305.4	132.5	3.2
<b>82909PK1</b>																

82909PK1-10	123	19103	0.7	0.1535	11.5	0.022	6.0	0.53	141.6	8.5	145.0	15.5	200.6	227.2	141.6	8.5
82909PK1-7	163	10899	1.2	0.1499	12.5	0.022	3.5	0.28	142.3	5.0	141.8	16.5	134.4	282.7	142.3	5.0
82909PK1-17	102	9549	0.7	0.1654	22.4	0.022	4.2	0.19	142.6	5.9	155.4	32.2	356.6	501.5	142.6	5.9
82909PK1-19	591	64449	1.1	0.1495	3.6	0.022	0.8	0.23	142.7	1.2	141.5	4.8	120.3	83.7	142.7	1.2
82909PK1-11	85	10228	0.7	0.1291	30.1	0.023	9.2	0.30	143.5	13.0	123.2	34.9	-251.3	737.3	143.5	13.0
82909PK1-20	237	13846	1.2	0.1450	8.2	0.023	2.9	0.35	143.9	4.1	137.5	10.5	27.7	184.3	143.9	4.1
82909PK1-13	141	12809	0.8	0.1540	12.1	0.023	3.5	0.29	145.1	5.0	145.5	16.3	150.9	271.2	145.1	5.0
82909PK1-6	208	28034	0.6	0.1575	8.9	0.023	3.9	0.43	145.3	5.6	148.5	12.3	200.8	187.2	145.3	5.6
82909PK1-14	104	8257	0.9	0.1401	28.1	0.023	6.1	0.22	145.6	8.8	133.1	35.0	-84.7	682.3	145.6	8.8
82909PK1-2	206	47983	1.1	0.1650	16.3	0.023	2.6	0.16	147.6	3.8	155.1	23.4	270.4	370.6	147.6	3.8
82909PK1-15	85	5659	1.2	0.1459	25.8	0.023	3.8	0.15	148.0	5.6	138.3	33.4	-25.9	628.0	148.0	5.6
82909PK1-1	84	6149	0.6	0.1281	19.5	0.023	4.3	0.22	148.3	6.3	122.4	22.5	-355.5	494.8	148.3	6.3
82909PK1-45	428	22678	0.9	0.1527	7.5	0.023	3.5	0.46	149.5	5.1	144.3	10.1	58.1	159.7	149.5	5.1
82909PK1-3	100	14373	0.8	0.1565	24.3	0.024	6.9	0.29	150.0	10.3	147.7	33.4	110.4	555.4	150.0	10.3
82909PK1-18	417	26790	1.5	0.1607	5.2	0.024	2.5	0.49	150.8	3.8	151.3	7.3	158.9	106.1	150.8	3.8
82909PK1-4	42	3452	0.8	0.2073	108.7	0.024	9.4	0.09	153.2	14.2	191.3	191.7	691.7	578.6	153.2	14.2
<b>82909PK2</b>																
82909PK2-15	300	14416	0.6	0.1426	8.9	0.022	1.8	0.20	140.9	2.4	135.3	11.3	38.1	209.7	140.9	2.4
82909PK2-7	325	7964	0.6	0.1483	8.0	0.022	2.8	0.35	141.1	3.9	140.4	10.5	129.0	177.4	141.1	3.9
82909PK2-3	594	24410	0.7	0.1500	4.1	0.022	3.1	0.76	142.4	4.4	141.9	5.4	133.9	62.9	142.4	4.4
82909PK2-8	534	12015	0.6	0.1457	3.9	0.022	1.9	0.47	142.5	2.6	138.1	5.1	62.1	82.5	142.5	2.6
82909PK2-4	276	8781	1.0	0.1473	4.9	0.023	2.2	0.44	144.1	3.1	139.5	6.4	62.3	104.7	144.1	3.1
82909PK2-2	309	9879	1.3	0.1518	4.6	0.023	2.2	0.48	144.7	3.2	143.5	6.2	122.3	94.9	144.7	3.2
82909PK2-10	283	8520	0.9	0.1465	6.1	0.023	2.2	0.35	145.4	3.1	138.8	7.9	26.5	137.1	145.4	3.1
82909PK2-1	356	11752	0.7	0.1584	7.5	0.023	2.8	0.37	145.8	4.0	149.3	10.4	206.2	161.7	145.8	4.0
82909PK2-19	432	43183	1.0	0.1567	5.0	0.023	2.3	0.46	145.9	3.3	147.8	6.9	179.0	103.4	145.9	3.3
82909PK2-5	287	9469	0.7	0.1549	6.1	0.023	2.6	0.43	146.4	3.7	146.2	8.3	142.8	129.0	146.4	3.7
82909PK2-12	413	24150	1.0	0.1571	6.4	0.023	2.5	0.39	147.3	3.7	148.2	8.9	162.8	138.3	147.3	3.7
82909PK2-20	172	8485	1.0	0.1566	11.5	0.023	3.2	0.28	148.1	4.7	147.7	15.8	142.0	259.9	148.1	4.7
82909PK2-6	278	7176	1.1	0.1450	8.3	0.023	2.2	0.26	148.3	3.2	137.5	10.7	-45.5	196.0	148.3	3.2
82909PK2-13	768	43027	0.5	0.1582	3.7	0.023	3.5	0.93	148.7	5.1	149.1	5.2	155.7	33.0	148.7	5.1
82909PK2-18	463	21259	1.1	0.1625	3.1	0.023	1.7	0.56	149.3	2.6	152.9	4.4	209.4	59.4	149.3	2.6

82909PK2-17	223	7910	0.9	0.1549	6.4	0.023	4.6	0.72	149.6	6.8	146.2	8.7	92.3	106.3	149.6	6.8
82909PK2-11	266	14124	1.1	0.1673	5.8	0.025	3.8	0.65	160.3	6.0	157.0	8.5	107.6	104.6	160.3	6.0
82909PK2-14	350	6945	1.3	0.1722	6.7	0.025	3.1	0.46	161.1	4.9	161.4	10.0	165.2	139.2	161.1	4.9

*\*Denotes sample not used in calculation for concordia or weighted mean age diagrams due to inherited or lack of concordance.*