

Table S1

Table S1. EPMA data for pyroxene.

Mount_Sample_Grain-Analysis	SiO2 (wt.%)	TiO2	Al2O3	Cr2O3	FeO	MnO	MgO	CaO	Na2O	K2O	Total	Wo (mol%)	En	Fs	Rdn	sum	Aeg	Jd	Q (Wo,En, Fs,Rdn)	sum	Comments
<b>CAM-ANU (Canberra)</b>																					
<b>Session-201117</b>																					
BF084_06IY29CPX_Cpx2	53.62	0.20	4.68	1.28	2.51	0.07	16.11	20.52	1.32	0.00	100.40	45.65	49.86	4.36	0.13	100.00	0.00	5.06	94.94	100.00	
BF084_06IY29CPX_Cpx3	53.90	0.18	4.54	1.16	2.58	0.10	16.15	20.69	1.30	0.00	100.65	45.72	49.66	4.45	0.17	100.00	0.00	4.96	95.04	100.00	
BF084_06IY29CPX_Cpx4	53.57	0.18	4.61	1.28	2.49	0.08	16.10	20.56	1.34	0.00	100.24	45.72	49.81	4.32	0.15	100.00	0.00	5.13	94.87	100.00	
BF084_06IY29CPX_Cpx5	53.38	0.17	4.55	1.15	2.47	0.09	16.21	20.58	1.33	0.00	100.00	45.60	49.98	4.27	0.15	100.00	0.03	5.05	94.93	100.00	
BF084_06IY29CPX_Cpx6	53.97	0.20	4.48	1.12	2.55	0.10	16.15	20.50	1.40	0.00	100.52	45.51	49.89	4.42	0.18	100.00	0.00	5.33	94.67	100.00	
BF084_06IY29CPX_Cpx8	53.90	0.17	4.48	1.29	2.45	0.07	16.13	20.74	1.31	0.00	100.58	45.94	49.71	4.24	0.12	100.00	0.00	4.98	95.02	100.00	
06IY29CPX (average, n=6)	53.72	0.18	4.56	1.21	2.51	0.09	16.14	20.60	1.34	0.00	100.34	45.69	49.82	4.34	0.15	100.00	0.00	5.09	94.91	100.00	
%RSD	0.44	8.01	1.70	6.38	1.96	15.06	0.24	0.47	2.62	0.00		3.27	2.37	10.74	83.61	100.00	8.77	18.41	72.82	100.00	
BF084_06IY31CPX_Cpx1	53.28	0.33	4.62	1.25	2.86	0.07	16.08	20.61	1.10	0.01	100.27	45.52	49.42	4.93	0.13	100.00	0.00	4.23	95.77	100.00	
BF084_06IY31CPX_Cpx2	53.42	0.27	4.55	1.10	2.97	0.08	16.36	20.59	1.08	0.01	100.50	45.02	49.77	5.07	0.14	100.00	0.00	4.11	95.89	100.00	
BF084_06IY31CPX_Cpx3	53.64	0.29	4.59	1.25	2.77	0.08	16.10	20.76	1.15	0.01	100.68	45.74	49.36	4.76	0.13	100.00	0.00	4.39	95.61	100.00	
BF084_06IY31CPX_Cpx4-1	52.87	0.34	4.65	1.05	2.83	0.08	15.96	20.78	1.18	0.01	99.82	45.91	49.06	4.88	0.15	100.00	0.00	4.49	95.51	100.00	
BF084_06IY31CPX_Cpx4-2	53.40	0.33	4.65	1.01	2.88	0.10	16.11	20.67	1.13	0.00	100.34	45.52	49.36	4.95	0.17	100.00	0.00	4.33	95.67	100.00	
BF084_06IY31CPX_Cpx5	53.43	0.28	4.44	1.14	2.80	0.09	16.16	20.76	1.14	0.00	100.30	45.62	49.41	4.80	0.16	100.00	0.00	4.35	95.65	100.00	
06IY31CPX (average, n=6)	53.34	0.31	4.58	1.14	2.85	0.08	16.13	20.70	1.13	0.00	100.26	45.56	49.40	4.90	0.15	100.00	0.00	4.32	95.68	100.00	
%RSD	0.48	10.22	1.74	8.78	2.46	10.74	0.82	0.40	2.92	57.69		3.36	9.49	16.09	71.05	100.00	12.56	21.99	65.46	100.00	
BF084_06IY31OPX_Opx1	56.56	0.09	3.37	0.48	6.03	0.14	32.94	0.72	0.08	0.00	100.56	1.41	89.21	9.16	0.22	100.00	0.00	0.29	99.71	100.00	
BF084_06IY31OPX_Opx2-1	56.57	0.08	3.33	0.50	6.01	0.15	33.10	0.74	0.08	0.00	100.69	1.44	89.24	9.09	0.23	100.00	0.00	0.27	99.73	100.00	
BF084_06IY31OPX_Opx2-2	56.48	0.07	3.34	0.53	6.13	0.13	33.08	0.71	0.06	0.00	100.63	1.38	89.15	9.27	0.20	100.00	0.00	0.20	99.80	100.00	
BF084_06IY31OPX_Opx3-1	56.68	0.09	3.40	0.52	6.16	0.14	32.73	0.91	0.09	0.00	100.82	1.78	88.65	9.36	0.21	100.00	0.00	0.31	99.69	100.00	
BF084_06IY31OPX_Opx3-2	56.44	0.07	3.38	0.50	6.01	0.12	33.28	0.68	0.08	0.00	100.69	1.32	89.44	9.06	0.18	100.00	0.00	0.30	99.70	100.00	
BF084_06IY31OPX_Opx4	56.26	0.10	3.49	0.55	6.15	0.13	33.00	0.92	0.11	0.00	100.80	1.78	88.75	9.28	0.19	100.00	0.00	0.39	99.61	100.00	
06IY31OPX (average, n=6)	56.50	0.08	3.39	0.51	6.08	0.13	33.02	0.78	0.08	0.00	100.58	1.52	89.07	9.20	0.21	100.00	0.00	0.29	99.71	100.00	
%RSD	0.25	11.41	1.70	5.08	1.19	8.80	0.56	13.59	20.94	244.95		61.08	3.48	4.17	31.27	100.00	1.57	62.44	36.00	100.00	
BF084_06IY34OPX_Opx1	57.13	0.09	2.86	0.57	5.32	0.18	33.81	0.63	0.13	0.00	100.81	1.21	90.53	7.99	0.27	100.00	0.00	0.44	99.56	100.00	
BF084_06IY34OPX_Opx2	57.30	0.07	2.93	0.53	5.46	0.14	33.67	0.72	0.12	0.00	101.04	1.39	90.19	8.20	0.21	100.00	0.00	0.42	99.58	100.00	
BF084_06IY34OPX_Opx3	57.20	0.08	2.92	0.58	5.37	0.14	33.60	0.74	0.12	0.00	100.82	1.43	90.27	8.09	0.21	100.00	0.00	0.42	99.58	100.00	
BF084_06IY34OPX_Opx4	57.10	0.08	2.88	0.53	5.41	0.14	33.59	0.72	0.14	0.00	100.70	1.40	90.24	8.15	0.21	100.00	0.00	0.47	99.53	100.00	
BF084_06IY34OPX_Opx5	57.29	0.08	2.86	0.55	5.50	0.12	33.77	0.60	0.11	0.00	100.98	1.16	90.40	8.26	0.18	100.00	0.00	0.37	99.63	100.00	
BF084_06IY34OPX_Opx6	57.08	0.07	2.88	0.58	5.36	0.14	33.67	0.70	0.12	0.00	100.71	1.36	90.36	8.07	0.21	100.00	0.00	0.42	99.58	100.00	
06IY34OPX (average, n=6)	57.18	0.08	2.89	0.56	5.40	0.14	33.69	0.69	0.12	0.00	100.74	1.32	90.33	8.13	0.21	100.00	0.00	0.42	99.58	100.00	
%RSD	0.17	10.30	1.04	4.49	1.24	13.34	0.26	8.23	7.27	113.91		40.91	1.83	4.82	52.44	100.00	3.00	37.74	59.26	100.00	
BF084_13NQ124CPX_Cpx11	56.08	0.04	1.60	0.31	2.09	0.02	16.68	23.06	1.02	0.00	100.98	48.13	48.44	3.40	0.03	100.00	0.00	3.72	96.28	100.00	
BF084_13NQ124CPX_Cpx17	55.35	0.05	1.58	0.32	2.17	0.05	16.32	23.07	0.98	0.00	99.99	48.56	47.80	3.57	0.07	100.00	0.00	3.61	96.39	100.00	
BF084_13NQ124CPX_Cpx2	55.82	0.04	1.44	0.31	1.97	0.02	16.47	23.10	1.04	0.00	100.26	48.56	48.18	3.23	0.03	100.00	0.00	3.81	96.19	100.00	
BF084_13NQ124CPX_Cpx3	55.56	0.03	1.69	0.33	2.15	0.02	16.57	23.10	0.94	0.00	100.54	48.60	47.88	3.49	0.04	100.00	0.00	2.49	97.51	100.00	
BF084_13NQ124CPX_Cpx4	55.70	0.03	1.72	0.23	2.09	0.04	16.66	22.90	0.88	0.01	100.30	47.97	48.56	3.42	0.06	100.00	0.00	3.23	96.77	100.00	
BF084_13NQ124CPX_Cpx8	55.91	0.03	1.69	0.35	2.05	0.05	16.41	22.96	0.88	0.00	100.39	48.41	48.14	3.37	0.08	100.00	0.00	3.23	96.77	100.00	
13NQ124CPX (average, n=6)	55.74	0.04	1.62	0.31	2.09	0.03	16.52	23.08	0.91	0.00	100.33	48.37	48.16	3.41	0.05	100.00	0.00	3.35	96.65	100.00	
%RSD	0.47	26.17	6.29	13.56	3.45	41.71	0.87	0.75	14.67	153.03		2.00	3.20	7.16	87.64	100.00	4.38	38.80	56.82	100.00	
BF084_2C42CPX_Cpx11-6	55.47	0.10	1.29	0.64	1.99	0.05	16.96	23.55	0.64	0.00	100.72	48.31	48.41	3.19	0.09	100.00	0.00	2.33	97.67	100.00	
BF084_2C42CPX_Cpx12-5	55.18	0.11	1.65	0.89	2.04	0.06	16.59	23.11	0.78	0.00	100.42	48.31	48.26	3.33	0.10	100.00	0.00	2.85	97.15	100.00	
BF084_2C42CPX_Cpx13-4	55.26	0.07	2.23	1.18	2.17	0.07	16.11	22.47	1.09	0.00	100.67	48.18	48.06	3.63	0.13	100.00	0.00	4.07	95.93	100.00	
BF084_2C42CPX_Cpx14-3	54.91	0.12	1.24	0.79	1.86	0.05	17.13	23.57	0.53	0.00	100.24	48.21	48.75	2.97	0.08	100.00	0.00	1.93	98.07	100.00	
BF084_2C42CPX_Cpx15-2	54.55	0.12	1.48	1.04	2.02	0.06	16.63	23.31	0.74	0.00	99.98	48.49	48.14	3.28	0.09	100.00	0.00	2.69	97.31	100.00	
BF084_2C42CPX_Cpx16-1	55.36	0.12	1.58	1.02	1.92	0.05	16.61	23.15	0.73	0.00	100.59	48.43	48.35	3.14	0.09	100.00	0.00	2.69	97.31	100.00	
2C42CPX (average, n=6)	55.12	0.11	1.58	0.93	2.00	0.06	16.67	23.19	0.75	0.00	100.41	48.32	48.33	3.25	0.10	100.00	0.00	2.75	97.25	100.00	
%RSD	0.61	18.59	22.66	20.83	5.34	15.41	2.11	1.74	25.13	166.33		8.28	13.99	19.82	57.92	100.00	6.68	66.27	27.04	100.00	
BF084_2C47-2CPX_Cpx1	55.01	0.08	1.45	0.97	2.64	0.03	16.34	23.10	0.71	0.00	100.39	48.21	47.44	4.30	0.05	100.00	0.00	2.60	97.40	100.00	
BF																					

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BF063_97S170MP_Omp1	56.75	0.05	12.74	0.00	5.05	0.03	6.57	10.92	7.98	0.00	100.10	45.44	38.04	16.40	0.11	100.00	0.00	37.54	62.46	100.00
BF063_97S170MP_Omp2	56.30	0.09	12.25	0.01	4.26	0.00	7.39	12.08	7.33	0.00	99.72	47.03	40.03	12.94	0.00	100.00	0.00	34.05	65.95	100.00
BF063_97S170MP_Omp3	56.48	0.08	12.29	0.03	4.11	0.01	7.33	11.83	7.52	0.00	99.68	46.86	40.40	12.71	0.02	100.00	0.00	35.03	64.97	100.00
BF063_97S170MP_Omp4	56.29	0.12	11.91	0.00	4.41	0.04	7.71	12.86	6.85	0.00	100.20	47.52	39.64	12.72	0.11	100.00	0.00	31.42	68.58	100.00
BF063_97S170MP_Omp5	56.44	0.09	11.99	0.01	4.18	0.00	7.54	12.19	7.37	0.00	99.82	46.99	40.44	12.58	0.00	100.00	0.00	33.95	66.05	100.00
BF063_97S170MP_Omp7	56.50	0.06	11.99	0.03	4.27	0.02	7.35	12.17	7.41	0.00	99.83	47.27	39.72	12.95	0.07	100.00	0.00	34.25	65.75	100.00
97S170MP (average, n=6)	56.46	0.08	12.20	0.01	4.38	0.02	7.32	12.01	7.41	0.00	99.88	46.87	39.73	13.35	0.05	100.00	0.00	34.36	65.64	100.00
%RSD	0.30	29.75	2.53	104.40	7.84	100.63	5.36	5.27	4.90	155.53		5.36	7.58	6.22	80.84	100.00	6.05	2.71	91.24	100.00
BF063_97S1210MP_Omp1	56.23	0.10	11.81	0.00	4.71	0.00	7.56	12.62	7.04	0.00	100.08	47.06	39.23	13.71	0.00	100.00	0.00	32.21	67.79	100.00
BF063_97S1210MP_Omp2	56.11	0.10	11.64	0.03	4.84	0.03	7.52	12.88	6.88	0.00	100.06	47.45	38.54	13.92	0.09	100.00	0.00	31.44	68.56	100.00
BF063_97S1210MP_Omp3	55.49	0.13	11.53	0.01	5.19	0.03	7.61	13.25	6.73	0.00	99.97	47.47	37.93	14.51	0.09	100.00	0.99	29.68	69.32	100.00
BF063_97S1210MP_Omp4	56.94	0.04	12.03	0.00	4.17	0.04	7.43	11.94	7.43	0.01	100.07	46.70	40.43	12.73	0.14	100.00	0.00	34.46	65.54	100.00
BF063_97S1210MP_Omp5	56.55	0.07	12.15	0.00	4.58	0.00	7.39	12.26	7.20	0.00	100.22	46.94	39.37	13.69	0.00	100.00	0.00	33.28	66.72	100.00
BF063_97S1210MP_Omp6	56.59	0.09	12.04	0.00	4.43	0.03	7.50	12.18	7.32	0.00	100.18	46.67	39.99	13.25	0.09	100.00	0.00	33.67	66.33	100.00
97S1210MP (average, n=6)	56.32	0.09	11.87	0.01	4.65	0.02	7.50	12.52	7.10	0.00	100.08	47.06	39.23	13.65	0.07	100.00	0.00	32.56	67.44	100.00
%RSD	0.89	34.97	2.08	175.26	7.54	80.90	1.08	3.90	3.76	107.31		5.18	2.01	7.82	84.99	100.00	7.72	1.21	91.07	100.00
BF063_97S161CPX_D1	55.13	0.04	1.11	0.03	1.63	0.01	16.89	24.72	0.60	0.01	100.21	49.94	47.48	2.57	0.01	100.00	0.39	1.76	97.85	100.00
BF063_97S161CPX_D4	55.23	0.02	0.96	0.00	1.40	0.00	17.00	25.01	0.56	0.00	100.20	50.26	47.54	2.20	0.00	100.00	0.44	1.57	97.99	100.00
BF063_97S161CPX_D5	54.68	0.05	1.16	0.04	1.70	0.02	16.82	24.94	0.43	0.00	99.85	50.19	47.10	2.67	0.04	100.00	0.37	1.19	98.44	100.00
BF063_97S161CPX_D6	54.98	0.03	1.16	0.04	1.75	0.00	16.88	24.78	0.64	0.00	100.29	49.92	47.32	2.75	0.01	100.00	1.20	1.10	97.70	100.00
BF063_97S161CPX_D7	54.91	0.05	1.08	0.05	1.61	0.01	16.80	24.94	0.50	0.00	99.97	50.30	47.15	2.53	0.02	100.00	0.23	1.58	98.19	100.00
BF063_97S161CPX_D8	54.82	0.03	1.17	0.01	1.64	0.00	16.85	24.75	0.61	0.00	99.89	50.03	47.39	2.59	0.00	100.00	1.00	1.21	97.79	100.00
97S161CPX (average, n=6)	54.96	0.04	1.11	0.03	1.62	0.01	16.87	24.86	0.56	0.00	100.05	50.11	47.33	2.55	0.01	100.00	0.60	1.40	98.00	100.00
%RSD	0.37	28.64	7.29	72.14	7.41	111.99	0.42	0.49	13.74	223.88		0.51	0.61	6.07	92.81	100.00	5.06	16.67	78.27	100.00
BF063_97S162CPX_D2	54.86	0.02	0.89	0.00	1.83	0.00	16.85	24.56	0.64	0.00	99.69	49.68	47.42	2.89	0.01	100.00	1.10	1.23	97.67	100.00
BF063_97S162CPX_D3	55.01	0.03	0.95	0.02	1.91	0.02	16.76	24.67	0.62	0.00	100.00	49.84	47.11	3.01	0.04	100.00	0.76	1.48	97.77	100.00
BF063_97S162CPX_D4	54.87	0.03	0.85	0.03	1.98	0.03	16.77	24.87	0.43	0.00	99.87	49.97	46.88	3.11	0.04	100.00	0.16	1.37	98.47	100.00
BF063_97S162CPX_D5	54.94	0.03	1.07	0.06	2.00	0.02	16.55	24.36	0.77	0.00	99.83	49.75	47.03	3.19	0.03	100.00	0.90	1.88	97.21	100.00
BF063_97S162CPX_D6	54.77	0.04	1.10	0.04	2.24	0.04	16.57	24.55	0.62	0.00	99.96	49.71	46.69	3.54	0.06	100.00	0.94	1.29	97.77	100.00
BF063_97S162CPX_D8	54.71	0.03	1.04	0.09	2.22	0.03	16.40	24.72	0.65	0.00	99.89	50.15	46.29	3.52	0.04	100.00	1.12	1.23	97.65	100.00
97S162CPX (average, n=6)	54.86	0.03	0.98	0.04	2.03	0.02	16.65	24.62	0.62	0.00	99.86	49.85	46.91	3.21	0.04	100.00	0.83	1.41	97.76	100.00
%RSD	0.20	18.02	10.25	84.29	8.18	47.36	1.02	0.71	17.80	156.16		1.54	3.10	13.90	81.46	100.00	8.90	35.97	55.13	100.00
BF063_97S165CPX_D1	55.18	0.03	1.13	0.06	1.59	0.00	16.74	24.70	0.63	0.00	100.08	50.17	47.31	2.52	0.00	100.00	0.01	2.27	97.72	100.00
BF084_97S165CPX_D1	55.77	0.02	0.95	0.07	1.62	0.01	16.98	24.96	0.42	0.00	100.83	50.06	47.38	2.54	0.02	100.00	0.00	1.49	98.51	100.00
BF064_97S165CPX_D1	54.64	0.08	1.18	0.04	1.77	0.00	16.68	24.90	0.44	0.00	99.77	50.31	46.89	2.79	0.01	100.00	0.06	1.52	98.42	100.00
BF063_97S165CPX_D2	55.35	0.04	1.00	0.04	1.55	0.00	16.85	24.95	0.59	0.00	100.40	50.30	47.26	2.44	0.00	100.00	0.13	1.99	97.88	100.00
BF084_97S165CPX_D2	55.57	0.04	1.15	0.03	1.75	0.02	16.70	24.57	0.59	0.01	100.48	49.95	47.24	2.78	0.02	100.00	0.00	2.13	97.87	100.00
BF064_97S165CPX_D3	54.81	0.05	1.21	0.04	1.81	0.02	16.69	24.48	0.63	0.00	99.76	49.83	47.27	2.88	0.03	100.00	0.45	1.84	97.72	100.00
BF079_97S165CPX_D4	55.30	0.08	1.09	0.04	1.71	0.00	17.07	24.89	0.41	0.00	100.62	49.80	47.53	2.67	0.00	100.00	0.00	1.47	98.53	100.00
BF079_97S165CPX_D5	55.47	0.02	1.16	0.02	1.72	0.03	16.94	24.59	0.61	0.00	100.59	49.65	47.59	2.71	0.05	100.00	0.00	2.19	97.81	100.00
97S165CPX (average, n=8)	55.26	0.04	1.11	0.04	1.69	0.01	16.83	24.76	0.54	0.00	100.28	50.01	47.31	2.66	0.02	100.00	0.00	1.94	98.06	100.00
%RSD	0.69	52.29	8.31	38.62	5.49	112.52	0.90	0.78	18.43	223.84		0.82	1.31	4.50	93.38	100.00	3.45	23.37	73.18	100.00
BF063_97S167CPX_D1	55.04	0.08	1.38	0.10	1.87	0.00	16.66	24.74	0.49	0.00	100.38	50.10	46.94	2.96	0.01	100.00	0.00	1.78	98.22	100.00
BF063_97S167CPX_D2	55.40	0.03	0.85	0.12	1.72	0.00	16.83	24.93	0.44	0.00	100.35	50.17	47.13	2.70	0.00	100.00	0.00	1.58	98.42	100.00
BF063_97S167CPX_D3	54.10	0.08	2.65	0.12	2.10	0.03	16.56	23.46	0.75	0.04	99.92	48.71	47.84	3.40	0.05	100.00	0.86	1.90	97.23	100.00
BF063_97S167CPX_D4	55.61	0.06	1.06	0.07	1.79	0.03	16.77	25.11	0.44	0.00	100.96	50.36	46.79	2.80	0.05	100.00	0.00	1.56	98.44	100.00
BF063_97S167CPX_D5	55.85	0.02	0.91	0.03	1.75	0.00	16.93	24.64	0.53	0.00	100.72	49.72	47.53	2.76	0.00	100.00	0.00	1.91	98.09	100.00
BF063_97S167CPX_D6	55.52	0.03	1.00	0.08	1.87	0.02	16.79	24.78	0.46	0.00	100.60	49.94	47.08	2.94	0.03	100.00	0.00	1.65	98.35	100.00
97S167CPX (average, n=6)	55.25	0.05	1.31	0.09	1.85	0.01	16.76	24.61	0.52	0.01	100.46	49.84	47.22	2.92	0.02	100.00	0.00	1.87	98.13	100.00
%RSD	1.13	51.95	52.21	37.03	7.40	101.45	0.78	2.38	22.97	232.20		2.67	1.21	6.46	89.66	100.00	4.61	28.58	66.81	100.00
BF063_CPX2501_D1	54.90	0.13	2.76	1.51	1.41	0.05	15.33	21.54	1.86	0.01	99.55	48.94	48.46	2.50	0.10	100.00	0.00	7.10	92.90	100.00
BF063_CPX2501_D2	54.88	0.14	2.72	1.31	1.44	0.06	15.53	21.66	1.79	0.00	99.60	48.74	48.63	2.53	0.10	100.00	0.00	6.79	93.21	100.00
BF063_CPX2501_D3	55.08	0.10	2.48	1.47	1.66	0.02	16.16	20.97	1.68	0.00	99.66	46.84	50.22	2.89	0.04	100.00	0.00	6.36	93.64	100.00
BF063_CPX2501_D4	55.18	0.09	2.70	1.44	1.50	0.04	15.38	21.77	1.90	0.00	100.04	49.06	48.23	2.64	0.07	100.00	0.00	7.19	92.81	100.00
BF063_CPX2501_D5	54.92	0.11	2.68	1.48	1.51	0.06	15.58	21.58	1.82	0.00	99.78	48.51	48.73	2.65	0.10	100.00	0.00	6.89	93.11	100.00
BF063_CPX2501_D6	54.96	0.08	2.61	1.54	1.53	0.04	15.64	21.85	1.78	0.00	100.03	48.73	48.53	2.66	0.08	100.00	0.00	6.70	93.30	100.00
CPX2501 (average, n=6)	54.99	0.11	2.66	1.46	1.51	0.05	15.60	21.56	1.81	0.00	99.73	48.47	48.80	2.65	0.08	100.00	0.00	6.84	93.16	100.00
%RSD	0.22	21.15	3.78	5.55	5.77	29.														

Table S1

BF064_NRM-EN2_Opx1-4	57.40	0.02	1.06	0.46	8.04	0.19	33.62	0.32	0.00	0.00	101.18	0.60	87.40	11.72	0.28	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx1-5	57.65	0.01	1.05	0.36	8.12	0.17	33.26	0.27	0.00	0.01	100.98	0.51	87.28	11.95	0.26	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-1	56.88	0.00	1.09	0.49	8.01	0.22	32.75	0.29	0.00	0.00	99.80	0.56	87.15	11.96	0.33	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-2	56.66	0.03	1.12	0.49	8.01	0.21	32.75	0.32	0.00	0.00	99.64	0.61	87.12	11.95	0.32	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-3	56.77	0.01	1.07	0.49	8.03	0.18	32.95	0.32	0.01	0.00	99.91	0.61	87.20	11.92	0.27	100.00	0.00	0.02	99.98	100.00
BF064_NRM-EN2_Opx2-4	56.75	0.02	1.04	0.45	7.17	0.17	30.97	3.17	0.00	0.00	99.81	6.10	82.89	10.76	0.25	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-5	57.53	0.00	1.02	0.37	8.03	0.17	33.46	0.24	0.00	0.00	100.87	0.46	87.51	11.78	0.26	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-6	57.64	0.02	1.16	0.50	8.24	0.22	33.23	0.32	0.00	0.00	101.42	0.61	86.96	12.10	0.33	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-7	57.44	0.01	1.03	0.39	8.13	0.19	33.76	0.17	0.00	0.00	101.19	0.32	87.57	11.83	0.28	100.00				
NRM-EN2 Opx (average, n=15)	57.21	0.01	1.06	0.44	8.02	0.19	32.98	0.48	0.00	0.00	100.40	0.91	86.95	11.85	0.29	100.00	0.00	0.01	99.99	100.00
%RSD	0.64	64.58	4.23	10.51	3.03	9.34	1.94	155.77	221.02	120.70		92.60	1.61	1.41	4.39	100.00	0.42	70.27	29.31	100.00
BF084_NSH4CPX_Cpx1	50.13	1.09	8.84	0.00	7.39	0.11	13.81	17.04	1.72	0.01	100.16	40.46	45.63	13.70	0.21	100.00	1.82	5.19	92.99	100.00
BF084_NSH4CPX_Cpx2	50.20	1.06	8.83	0.00	7.29	0.14	13.70	17.10	1.75	0.00	100.11	40.75	45.43	13.56	0.26	100.00	1.57	5.55	92.87	100.00
BF084_NSH4CPX_Cpx3	50.30	1.05	8.78	0.00	7.20	0.13	13.76	17.09	1.69	0.00	100.04	40.73	45.63	13.40	0.24	100.00	0.87	5.99	93.15	100.00
BF084_NSH4CPX_Cpx4	50.37	1.09	8.76	0.00	7.18	0.12	13.66	17.14	1.71	0.01	100.04	40.96	45.42	13.39	0.22	100.00	0.60	6.33	93.07	100.00
BF084_NSH4CPX_Cpx5	50.14	1.05	8.73	0.01	7.27	0.15	13.77	17.01	1.75	0.01	99.91	40.54	45.66	13.52	0.27	100.00	1.77	5.37	92.86	100.00
BF084_NSH4CPX_Cpx5-2	50.32	1.08	8.72	0.02	7.29	0.15	13.78	16.90	1.73	0.01	100.02	40.35	45.78	13.59	0.29	100.00	0.99	6.03	92.98	100.00
NSH4CPX (average, n=6)	50.24	1.07	8.78	0.00	7.27	0.13	13.75	17.05	1.73	0.01	100.02	40.63	45.59	13.53	0.25	100.00	1.27	5.74	92.99	100.00
%RSD	0.20	1.64	0.57	160.58	1.03	12.73	0.41	0.50	1.36	80.08		4.19	4.73	6.76	84.32	100.00	5.93	12.17	81.89	100.00
BF084_NSH5CPX_Cpx1-2	51.01	0.78	8.47	0.00	6.73	0.11	15.06	16.46	1.54	0.00	100.24	38.50	49.01	12.29	0.20	100.00	0.38	5.76	93.86	100.00
BF084_NSH5CPX_Cpx2	50.92	0.83	8.34	0.01	6.77	0.13	14.84	16.41	1.54	0.01	99.86	38.66	48.64	12.45	0.25	100.00	0.00	6.16	93.84	100.00
BF084_NSH5CPX_Cpx3	51.17	0.80	8.41	0.02	6.76	0.12	14.96	16.52	1.52	0.01	100.32	38.68	48.74	12.35	0.22	100.00	0.00	6.05	93.95	100.00
BF084_NSH5CPX_Cpx4	51.10	0.80	8.43	0.00	6.68	0.14	14.92	16.56	1.57	0.01	100.26	38.84	48.68	12.23	0.25	100.00	0.18	6.08	93.74	100.00
BF084_NSH5CPX_Cpx5	51.11	0.79	8.35	0.01	6.70	0.12	14.88	16.44	1.53	0.01	100.01	38.67	48.80	12.30	0.23	100.00	0.00	6.11	93.89	100.00
BF084_NSH5CPX_Cpx5-2	50.90	0.81	8.34	0.02	6.76	0.12	15.06	16.51	1.50	0.00	100.06	38.54	48.92	12.32	0.22	100.00	0.42	5.56	94.02	100.00
NSH5CPX (average, n=6)	51.04	0.80	8.39	0.01	6.73	0.12	14.96	16.48	1.53	0.01	100.08	38.65	48.80	12.32	0.23	100.00	0.04	6.07	93.89	100.00
%RSD	0.21	1.99	0.65	78.56	0.55	8.21	0.59	0.34	1.52	69.92		4.22	10.11	5.27	80.41	100.00	4.09	22.43	73.48	100.00
BF084_NSH6CPX_Cpx1	50.51	0.92	8.68	0.01	6.84	0.16	14.37	16.87	1.52	0.01	99.92	39.86	47.24	12.61	0.29	100.00	0.13	5.98	93.89	100.00
BF084_NSH6CPX_Cpx2	50.23	0.95	8.71	0.00	6.94	0.14	14.37	16.98	1.53	0.01	99.86	39.95	47.04	12.75	0.26	100.00	1.16	5.03	93.81	100.00
BF084_NSH6CPX_Cpx3	50.70	0.92	8.72	0.00	6.88	0.14	14.48	16.97	1.58	0.01	100.44	39.83	47.29	12.61	0.27	100.00	0.86	5.49	93.66	100.00
BF084_NSH6CPX_Cpx4	50.64	0.97	8.77	0.01	6.93	0.13	14.50	16.88	1.58	0.00	100.43	39.66	47.40	12.71	0.23	100.00	0.76	5.58	93.66	100.00
BF084_NSH6CPX_Cpx4-2	50.60	0.92	8.66	0.01	6.79	0.13	14.38	16.92	1.58	0.00	100.00	39.97	47.27	12.52	0.24	100.00	0.39	5.97	93.65	100.00
BF084_NSH6CPX_Cpx5	50.45	0.95	8.70	0.01	6.67	0.16	14.26	17.03	1.62	0.02	99.89	40.35	47.01	12.34	0.30	100.00	0.79	5.75	93.45	100.00
NSH6CPX (average, n=6)	50.52	0.94	8.71	0.01	6.84	0.14	14.39	16.94	1.57	0.01	100.07	39.94	47.21	12.59	0.26	100.00	0.68	5.63	93.69	100.00
%RSD	0.33	2.25	0.43	79.34	1.48	10.28	0.61	0.37	2.37	77.29		3.51	8.02	10.99	77.47	100.00	8.47	22.97	68.57	100.00
BF084_NSH7CPX_Cpx1	49.22	1.53	9.34	0.00	8.30	0.11	11.90	17.52	2.06	0.00	100.00	43.10	40.74	15.94	0.22	100.00	2.52	6.09	91.39	100.00
BF084_NSH7CPX_Cpx2	49.36	1.54	9.46	0.01	8.12	0.11	11.87	17.45	2.01	0.01	99.95	43.20	40.89	15.69	0.21	100.00	1.23	7.13	91.64	100.00
BF084_NSH7CPX_Cpx3	49.17	1.51	9.44	0.00	8.25	0.14	11.93	17.41	2.03	0.01	99.91	42.92	40.92	15.88	0.28	100.00	2.25	6.24	91.51	100.00
BF084_NSH7CPX_Cpx3-1	49.26	1.50	9.47	0.01	8.25	0.16	11.93	17.54	2.04	0.01	100.17	43.09	40.78	15.82	0.31	100.00	2.47	6.05	91.48	100.00
BF084_NSH7CPX_Cpx4	49.17	1.49	9.39	0.02	8.14	0.11	11.93	17.45	2.04	0.01	99.75	43.09	40.99	15.69	0.22	100.00	2.24	6.30	91.46	100.00
BF084_NSH7CPX_Cpx5	49.32	1.50	9.40	0.00	8.25	0.14	11.94	17.40	2.11	0.01	100.08	42.90	40.96	15.88	0.27	100.00	2.65	6.18	91.17	100.00
NSH7CPX (average, n=6)	49.25	1.51	9.42	0.01	8.22	0.13	11.92	17.46	2.05	0.01	99.96	43.05	40.88	15.82	0.25	100.00	2.23	6.33	91.44	100.00
%RSD	0.16	1.19	0.52	115.84	0.87	15.15	0.22	0.33	1.67	61.33		2.46	2.34	5.10	90.10	100.00	4.33	15.04	80.63	100.00
BF084_NSH9CPX_Cpx1	50.75	0.90	8.54	0.00	6.78	0.13	14.81	16.56	1.57	0.00	100.07	38.91	48.41	12.43	0.25	100.00	0.57	5.73	93.71	100.00
BF084_NSH9CPX_Cpx2	50.68	0.90	8.79	0.01	6.72	0.11	14.70	16.53	1.56	0.00	100.04	39.06	48.34	12.40	0.20	100.00	0.08	6.18	93.74	100.00
BF084_NSH9CPX_Cpx3	50.62	0.89	8.75	0.00	6.84	0.14	14.75	16.64	1.52	0.00	100.17	39.05	48.17	12.53	0.25	100.00	0.56	5.54	93.90	100.00
BF084_NSH9CPX_Cpx4	50.45	0.92	8.60	0.00	6.76	0.14	14.75	16.55	1.59	0.00	99.82	38.98	48.33	12.43	0.26	100.00	1.09	5.33	93.58	100.00
BF084_NSH9CPX_Cpx5_4S	50.66	0.91	8.71	0.00	6.76	0.12	14.59	16.64	1.47	0.01	99.88	39.33	47.98	12.47	0.22	100.00	0.00	5.92	94.08	100.00
BF084_NSH9CPX_Cpx6_4E	50.65	0.89	8.69	0.00	6.83	0.13	14.75	16.60	1.60	0.01	100.17	39.00	48.22	12.53	0.25	100.00	1.05	5.38	93.56	100.00
NSH9CPX (average, n=6)	50.64	0.90	8.68	0.00	6.78	0.13	14.73	16.59	1.55	0.01	100.00	39.06	48.24	12.46	0.24	100.00	0.46	5.77	93.77	100.00
%RSD	0.20	1.39	1.08	93.14	0.68	10.41	0.51	0.28	3.14	56.23		2.92	7.25	5.41	84.42	100.00	3.54	34.61	61.85	100.00
BF063_P2600MP_Omp1	56.53	0.04	10.02	0.08	4.64	0.02	8.38	13.30	6.78	0.01	99.80	46.51	40.78	12.67	0.04	100.00	0.89	29.40	69.71	100.00
BF063_P2600MP_Omp2	56.40	0.04	9.72	0.13	4.49	0.03	8.74	13.79	6.55	0.00	99.91	46.78	41.26	11.89	0.07	100.00	1.26	27.78	70.96	100.00
BF063_P2600MP_Omp3	56.00	0.03	8.72	0.03	5.01	0.00	9.17	14.65	5.96	0.00	99.58	46.78	40.74	12.49	0.00	100.00	1.45	24.53	74.01	100.00
BF063_P2600MP_Omp4	56.03	0.06	8.37	0.00	5.07	0.00	9.33	14.86	5.90	0.00	99.65	46.73	40.82	12.44	0.01	100.00	1.96	23.67	74.37	100.00
BF063_P2600MP_Omp5	56.38	0.05	9.69	0.05	4.39	0.01	8.80	13.67	6.54	0.00	99.60	46.58	41.72	11.68	0.03	100.00	0.89	28.11	71.01	100.00
BF063_P2600MP_Omp6	55.99	0.05	9.49	0.17	4.62	0.00	8.82	13.87	6.59	0.00	99.62	46.62	41.25	12.12	0.00	100.00	3.24	26.30	70.46	100.00
P2600MP (average, n=6)	56.22	0.05	9.34	0.08	4.70	0.01	8.87	14.02	6.39	0.00	99.68	46.67	41.09	12.22	0.02	100.00	1.61	26.6		

Table S1

XHD07-10MP (average, n=6)	56.23	0.11	11.01	0.06	4.32	0.02	8.24	13.50	6.58	0.00	100.07	47.61	40.44	11.89	0.06	100.00	0.00	29.56	70.44	100.00	
%RSD	0.46	24.44	2.29	52.23	8.13	63.03	1.08	1.81	2.76	123.51		3.05	2.52	10.66	83.76	100.00					
BF063_XHD23-10MP_Omp1	56.33	0.05	10.46	0.00	7.66	0.01	6.34	10.65	8.17	0.01	99.68	41.83	34.65	23.49	0.03	100.00	6.43	32.67	60.90	100.00	
BF063_XHD23-10MP_Omp2	56.46	0.05	10.40	0.00	7.87	0.02	6.19	10.64	8.14	0.00	99.82	41.88	33.90	24.18	0.05	100.00	5.61	33.15	61.24	100.00	
BF063_XHD23-10MP_Omp3	56.41	0.03	9.82	0.00	7.43	0.00	6.93	11.10	7.94	0.00	99.66	41.82	36.33	21.85	0.00	100.00	6.82	30.70	62.48	100.00	
BF063_XHD23-10MP_Omp4	56.63	0.02	9.99	0.00	7.33	0.00	6.85	10.93	7.93	0.01	99.71	41.75	36.40	21.85	0.00	100.00	5.30	31.98	62.72	100.00	
BF063_XHD23-10MP_Omp5	56.47	0.03	9.82	0.02	7.63	0.00	6.88	11.02	7.92	0.00	99.79	41.51	36.06	22.43	0.00	100.00	6.47	30.86	62.67	100.00	
BF063_XHD23-10MP_Omp6	56.61	0.03	10.38	0.00	6.91	0.02	6.70	10.87	8.17	0.00	99.70	42.46	36.42	21.07	0.05	100.00	6.07	32.76	61.17	100.00	
XHD23-10MP (average, n=6)	56.49	0.04	10.15	0.00	7.47	0.01	6.65	10.87	8.05	0.00	99.71	41.87	35.64	22.47	0.02	100.00	6.12	32.02	61.87	100.00	
%RSD	0.21	41.79	2.97	186.18	4.47	113.86	4.67	1.75	1.57	149.15		1.72	6.38	3.43	88.47	100.00					
<b>Session-210617</b>																					
BF106_NU-JD_Jd-1.1	59.19	0.00	25.28	0.02	0.02	0.01	0.00	0.02	14.95	0.00	99.50	44.55	4.79	31.61	19.05	100.00	0.00	99.82	0.18	100.00	
BF106_NU-JD_Jd-1.2	59.19	0.02	25.30	0.00	0.02	0.00	0.00	0.02	14.93	0.01	99.49	58.01	0.00	41.99	0.00	100.00	0.00	99.86	0.14	100.00	
BF106_NU-JD_Jd-2.1	59.25	0.01	25.27	0.01	0.01	0.00	0.00	0.01	14.90	0.00	99.46	50.86	0.00	49.14	0.00	100.00	0.00	99.93	0.07	100.00	
BF106_NU-JD_Jd-2.2	59.19	0.05	25.37	0.00	0.02	0.00	0.00	0.03	14.93	0.00	99.60	65.48	0.00	34.52	0.00	100.00	0.00	99.81	0.19	100.00	
BF106_NU-JD_Jd-3.1	59.08	0.00	25.23	0.00	0.02	0.00	0.01	0.03	14.98	0.00	99.36	51.64	20.56	27.80	0.00	100.00	0.00	99.76	0.24	100.00	
BF106_NU-JD_Jd-3.2	58.76	0.04	25.34	0.00	0.05	0.03	0.00	0.06	15.03	0.00	99.31	51.90	0.00	31.55	16.55	100.00	0.00	99.54	0.46	100.00	
NU-JD (average, n=6)	59.11	0.02	25.30	0.01	0.02	0.01	0.00	0.03	14.95	0.00	99.45	53.43	4.48	33.45	8.63	100.00	0.00	99.79	0.21	100.00	
%RSD	0.30	98.30	0.20	178.64	52.66	170.37	203.62	60.34	0.31	144.52		11.62	54.54	7.91	25.93	100.00					
BF064_NRM-AG1_Cpx-1.1	49.36	0.91	3.58	0.01	8.70	0.20	13.80	21.49	0.37	0.00	98.43	45.11	40.31	14.25	0.33	100.00					
BF064_NRM-AG1_Cpx-1.3	47.83	1.25	4.51	0.04	9.07	0.21	13.16	21.66	0.33	0.00	98.06	45.87	38.78	14.99	0.35	100.00					
BF064_NRM-AG1_Cpx-2.1	49.40	0.89	3.18	0.03	8.58	0.20	13.93	21.55	0.30	0.00	98.07	45.10	40.56	14.02	0.32	100.00					
NRM-AG1 Cpx (average, n=3)	48.86	1.02	3.76	0.02	8.78	0.20	13.63	21.57	0.33	0.00	98.18	45.36	39.89	14.42	0.34	100.00					
%RSD	1.83	19.85	18.16	55.98	2.91	4.14	3.02	4.40	9.76	118.42		3.94	41.45	22.36	32.26	100.00		8.89	60.25	30.86	100.00
BF117_MB04-8CPX_7A_Px-ex-21	49.83	0.24	2.52	0.04	12.84	0.26	10.75	21.88	0.44	0.00	98.81	46.49	31.78	21.29	0.44	100.00					
BF117_MB04-8CPX_7A_Px-ex-22	49.72	0.30	2.62	0.02	13.21	0.31	10.86	21.24	0.43	0.00	98.73	45.28	32.21	21.98	0.52	100.00					
BF117_MB04-8CPX_7B_Cpx-426	49.59	0.23	2.37	0.02	15.39	0.35	10.77	19.71	0.36	0.00	98.79	41.95	31.89	25.57	0.59	100.00					
BF116_MB04-8CPX_7BA_Px-12	49.74	0.19	2.28	0.03	16.68	0.49	10.91	18.33	0.31	0.01	98.97	39.07	32.36	27.75	0.82	100.00					
BF116_MB04-8CPX_7BA_Px-414	50.32	0.17	1.89	0.01	12.74	0.36	10.83	21.87	0.39	0.00	98.59	46.37	31.95	21.08	0.60	100.00					
BF116_MB04-8CPX_7BB_Px-16	49.40	0.29	2.80	0.02	13.58	0.43	10.15	21.28	0.41	0.00	98.36	45.92	30.48	22.87	0.73	100.00					
BF116_MB04-8CPX_7BB_Px-418	49.87	0.19	2.07	0.03	14.96	0.49	10.78	19.71	0.34	0.00	98.45	42.14	32.07	24.96	0.83	100.00					
<del>BF116_MB04-8CPX_7BB_Px-ex-419</del>	<del>48.08</del>	<del>0.16</del>	<del>2.13</del>	<del>0.03</del>	<del>13.37</del>	<del>0.46</del>	<del>14.76</del>	<del>13.10</del>	<del>0.26</del>	<del>0.00</del>	<del>98.43</del>	<del>28.07</del>	<del>35.06</del>	<del>35.74</del>	<del>1.12</del>	<del>100.00</del>					
BF117_MB04-8CPX_7C_Cpx-ex-28	49.71	0.25	2.43	0.03	13.05	0.40	10.37	21.83	0.44	0.00	98.52	46.68	30.86	21.78	0.68	100.00				outlier; rejected	
BF117_MB04-8CPX_7C_Cpx-ex-433	50.51	0.17	1.83	0.01	14.30	0.46	10.98	20.36	0.37	0.00	98.99	43.17	32.39	23.67	0.77	100.00					
MB04-8CPX (average, n=9 out of 10)	49.85	0.23	2.31	0.02	14.08	0.39	10.71	20.69	0.39	0.00	98.68	44.12	31.78	23.44	0.66	100.00					
%RSD	0.70	21.66	14.25	50.62	9.63	20.15	2.53	6.01	11.70	144.58		18.22	10.69	22.78	48.31	100.00		16.11	29.28	54.61	100.00
BF117_MB04-8OPX_7B_Cpx-431	49.82	0.05	0.62	0.02	30.93	0.65	15.87	0.81	0.01	0.00	98.77	1.71	46.44	50.77	1.08	100.00					
BF117_MB04-8OPX_7B_Opx-26	49.43	0.06	0.79	0.01	31.22	0.61	15.92	0.52	0.01	0.00	98.59	1.08	46.61	51.28	1.02	100.00					
BF117_MB04-8OPX_7B_Px-427	50.02	0.04	0.46	0.00	31.42	0.61	15.74	0.45	0.01	0.00	98.75	0.95	46.25	51.79	1.01	100.00					
BF117_MB04-8OPX_7B_Px-428	49.59	0.03	0.57	0.00	31.67	0.58	15.57	0.48	0.02	0.00	98.52	1.01	45.79	52.24	0.96	100.00					
BF117_MB04-8OPX_7C_Opx-434	48.83	0.06	1.17	0.01	32.46	1.03	14.44	0.64	0.03	0.00	98.67	1.37	42.85	54.04	1.73	100.00					
BF117_MB04-8OPX_7C_Opx-435	48.76	0.04	0.85	0.01	32.17	1.02	14.74	0.56	0.01	0.00	98.17	1.19	43.65	53.45	1.71	100.00					
BF117_MB04-8OPX_7C_Opx-436	49.09	0.07	1.10	0.01	32.24	1.01	14.68	0.52	0.01	0.00	98.72	1.12	43.54	53.64	1.70	100.00					
BF117_MB04-8OPX_7C_Opx-437	48.83	0.07	1.04	0.01	32.47	1.01	14.53	0.59	0.00	0.00	98.56	1.26	43.06	53.98	1.71	100.00					
BF117_MB04-8OPX_7C_Opx-438	49.22	0.04	0.80	0.00	32.31	0.99	14.76	0.61	0.00	0.00	98.74	1.30	43.56	53.49	1.65	100.00					
MB04-8OPX (average, n=9)	49.29	0.05	0.82	0.01	31.88	0.83	15.14	0.58	0.01	0.00	98.60	1.22	44.65	52.74	1.40	100.00					
%RSD	0.93	26.83	29.80	65.76	1.81	25.39	4.09	18.84	97.27	83.03		40.94	12.36	3.08	43.62	100.00		0.64	79.14	20.22	100.00
<b>Session-220708 (Grt-std?)</b>																					
BF125_97S165_Di1	54.48	0.06	0.73	0.04	1.58	0.03	17.10	24.85	0.42	0.00	99.31	49.80	47.68	2.47	0.05	100.00	1.08	0.45	98.47	100.00	
BF125_97S165_Di2	54.68	0.05	0.73	0.03	1.63	0.00	17.11	24.89	0.44	0.00	99.59	49.81	47.64	2.55	0.01	100.00	1.00	0.59	98.40	100.00	
BF125_97S165_Di3	54.56	0.04	0.63	0.03	1.56	0.00	17.26	24.79	0.42	0.00	99.31	49.56	48.01	2.43	0.00	100.00	1.18	0.32	98.50	100.00	
BF125_97S165_Di4	54.33	0.05	0.76	0.02	1.64	0.00	17.05	24.80	0.52	0.00	99.21	49.80	47.63	2.57	0.00	100.00	1.87	0.01	98.12	100.00	
BF125_97S165_Di5	54.64	0.03	0.72	0.01	1.53	0.01	17.05	24.76	0.49	0.00	99.25	49.84	47.75	2.40	0.01	100.00	0.91	0.88	98.22	100.00	
97S165CPX (average, n=5)	54.54	0.04	0.71	0.03	1.59	0.01	17.11	24.82	0.46	0.00	99.31	49.76	47.74	2.49	0.01	100.00	1.21	0.45	98.34	100.00	
%RSD	0.26	30.42	6.72	38.73	2.93	153.59	0.50	0.21	9.64	165.86		0.17	0.56	1.84	97.43	100.00		1.64	10.85	87.52	100.00
BF064_NRM-EN2_Opx1-1	56.48	0.01	0.67	0.50	7.63	0.15	33.04	1.24	0.00	0.0											

Table S1

2C42CPX_BF106_Cpx2	54.83	0.10	1.92	1.06	2.10	0.05	16.28	22.27	1.00	0.00	99.63	47.79	48.61	3.52	0.08	100.00	0.00	3.75	96.25	100.00
2C42CPX_BF106_Cpx3	54.68	0.11	1.88	1.08	2.12	0.06	16.37	22.28	1.05	0.00	99.65	47.65	48.71	3.54	0.10	100.00	0.00	3.89	96.11	100.00
2C42CPX_BF106_Cpx4	55.21	0.10	1.35	0.78	1.96	0.06	16.83	23.10	0.59	0.01	100.03	48.03	48.69	3.18	0.10	100.00	0.00	2.16	97.84	100.00
2C42CPX_BF106_Cpx5	54.73	0.13	1.72	1.09	2.04	0.05	16.51	22.68	0.85	0.00	99.83	47.97	48.58	3.37	0.08	100.00	0.00	3.13	96.87	100.00
2C42CPX_BF106_Cpx6	54.91	0.10	1.40	1.05	1.80	0.05	16.77	23.32	0.55	0.00	99.97	48.49	48.51	2.92	0.08	100.00	0.00	2.04	97.96	100.00
2C42CPX_BF106_Cpx7	55.01	0.08	1.50	1.00	2.05	0.05	16.43	22.29	1.03	0.00	99.50	47.64	48.86	3.42	0.08	100.00	0.00	3.83	96.17	100.00
2C42CPX_BF106_Cpx8	54.53	0.11	1.77	1.48	1.90	0.05	16.12	22.47	0.93	0.00	99.41	48.41	48.32	3.19	0.08	100.00	0.00	3.52	96.48	100.00
2C42CPX_BF106_Cpx9	54.70	0.09	1.67	1.22	2.02	0.06	16.51	22.80	0.77	0.00	99.86	48.11	48.47	3.33	0.09	100.00	0.00	2.86	97.14	100.00
2C42CPX (average, n=9)	54.83	0.10	1.68	1.09	2.07	0.05	16.66	22.38	0.84	0.00	99.71	47.39	49.10	3.42	0.09	100.00	0.00	3.13	96.87	100.00
%RSD	0.37	14.31	13.03	17.13	11.55	12.25	3.62	4.03	21.59	133.01		14.51	18.13	32.46	34.89	100.00	15.59	51.99	32.43	100.00
97M43OPX_BF106_Opx1	49.86	0.08	5.07	0.27	21.83	0.21	21.02	0.07	0.00	0.00	98.46	0.15	62.87	36.63	0.36	100.00	0.00	0.00	100.00	100.00
97M43OPX_BF106_Opx15	50.21	0.14	5.20	0.11	22.22	0.29	20.57	0.05	0.02	0.00	98.86	0.12	61.88	37.50	0.50	100.00	0.00	0.08	99.92	100.00
97M43OPX_BF106_Opx18	49.95	0.11	5.22	0.25	22.03	0.22	20.96	0.06	0.00	0.00	98.85	0.13	62.59	36.91	0.37	100.00	0.00	0.00	100.00	100.00
97M43OPX_BF106_Opx19	49.99	0.09	5.07	0.28	22.73	0.24	20.47	0.05	0.01	0.00	98.95	0.10	61.30	38.18	0.41	100.00	0.00	0.03	99.97	100.00
97M43OPX_BF106_Opx2	51.19	0.07	4.09	0.29	21.64	0.19	21.49	0.04	0.00	0.05	99.08	0.09	63.64	35.95	0.31	100.00	0.00	0.02	99.98	100.00
97M43OPX_BF106_Opx4	50.24	0.08	5.35	0.32	22.06	0.25	20.88	0.05	0.01	0.00	99.26	0.10	62.46	37.02	0.42	100.00	0.00	0.02	99.98	100.00
97M43OPX_BF106_Opx5	50.43	0.08	5.42	0.24	21.15	0.21	21.26	0.08	0.00	0.00	98.88	0.18	63.83	35.62	0.36	100.00	0.00	0.01	99.99	100.00
97M43OPX_BF106_Opx7	49.94	0.09	5.64	0.23	21.41	0.22	20.81	0.06	0.00	0.00	98.42	0.12	63.09	36.41	0.38	100.00	0.00	0.00	100.00	100.00
97M43OPX_BF106_Opx8	49.59	0.51	5.57	0.28	21.86	0.19	20.53	0.06	0.01	0.00	98.62	0.14	62.31	37.22	0.34	100.00	0.00	0.02	99.98	100.00
97M43OPX (average, n=10)	49.19	0.13	5.12	0.25	21.95	0.23	20.87	0.06	0.00	0.01	98.81	0.13	62.57	36.90	0.39	100.00	0.00	0.02	99.98	100.00
%RSD	0.89	104.12	9.35	22.93	2.19	14.66	1.56	20.41	132.73	282.62		56.89	6.04	4.76	32.31	100.00	0.62	86.92	12.45	100.00
97M44OPX_BF064_Opx1	50.61	0.12	6.10	0.17	20.07	0.13	21.70	0.06	0.00	0.00	98.98	0.13	65.61	34.04	0.22	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF106_Opx1	49.92	0.06	5.38	0.25	21.96	0.21	20.96	0.05	0.00	0.00	98.83	0.11	62.69	36.85	0.35	100.00	0.00	0.01	99.99	100.00
97M44OPX_BF125_Opx1	50.19	0.10	6.28	0.25	19.58	0.14	22.45	0.07	0.00	0.00	99.14	0.16	66.88	32.72	0.24	100.00	0.00	0.01	99.99	100.00
Z7143_97M44OPX_Opx1	50.75	0.06	5.13	0.26	20.87	0.15	21.77	0.08	0.00	0.01	99.09	0.17	64.76	34.83	0.25	100.00	0.00	0.01	99.99	100.00
97M44OPX_BF125_Opx10	50.66	0.11	5.76	0.22	20.32	0.15	22.20	0.06	0.00	0.00	99.51	0.13	65.83	33.80	0.25	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF064_Opx12	51.07	0.06	5.83	0.22	20.11	0.11	22.18	0.07	0.00	0.00	99.68	0.16	66.06	33.60	0.18	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF106_Opx12	50.71	0.05	5.27	0.18	21.48	0.15	21.34	0.05	0.00	0.00	99.26	0.11	63.68	35.95	0.26	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF064_Opx13	50.51	0.05	5.68	0.24	21.28	0.18	21.28	0.04	0.00	0.00	99.30	0.09	63.81	35.80	0.31	100.00	0.00	0.01	99.99	100.00
97M44OPX_BF106_Opx13	50.60	0.11	5.85	0.22	19.93	0.14	22.28	0.08	0.00	0.01	99.25	0.16	66.32	33.28	0.23	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF106_Opx14	51.14	0.09	5.22	0.18	19.78	0.11	22.53	0.06	0.00	0.00	99.15	0.13	66.79	32.89	0.19	100.00	0.00	0.01	99.99	100.00
97M44OPX_BF106_Opx15	51.06	0.09	5.69	0.18	20.08	0.15	22.24	0.05	0.00	0.00	99.59	0.11	66.14	33.50	0.25	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF106_Opx16	49.86	0.07	5.92	0.25	21.73	0.15	21.11	0.05	0.00	0.00	99.14	0.11	63.16	36.48	0.25	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF106_Opx17	51.44	0.06	5.90	0.16	21.74	0.19	21.88	0.07	0.00	0.00	99.45	0.14	63.92	35.63	0.31	100.00	0.00	0.01	99.99	100.00
97M44OPX_BF064_Opx2	51.38	0.09	5.18	0.18	19.52	0.13	22.62	0.07	0.00	0.01	99.20	0.15	67.14	32.50	0.22	100.00	0.00	0.00	100.00	100.00
Z7143_97M44OPX_Opx2	50.45	0.05	4.50	0.24	22.39	0.18	20.91	0.05	0.00	0.00	98.80	0.10	62.22	37.37	0.31	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF106_Opx20	50.31	0.11	6.03	0.18	21.02	0.14	21.30	0.06	0.00	0.00	99.17	0.13	64.13	35.50	0.24	100.00	0.00	0.01	99.99	100.00
97M44OPX_BF106_Opx22	50.28	0.06	6.05	0.21	20.67	0.11	21.53	0.04	0.00	0.00	98.99	0.09	64.81	34.91	0.19	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF106_Opx24 <-<-																				
BF106_HYP_GRAIN24	49.35	0.39	6.65	0.19	20.57	0.12	21.48	0.07	0.00	0.00	98.83	0.15	64.83	34.83	0.20	100.00	0.00	0.01	99.99	100.00
97M44OPX_BF106_Opx3	50.42	0.11	5.79	0.17	20.72	0.14	21.76	0.06	0.00	0.00	99.20	0.14	64.94	34.69	0.23	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF125_Opx3_2	50.15	0.13	5.89	0.23	21.05	0.18	21.27	0.06	0.03	0.00	99.02	0.13	64.02	35.55	0.30	100.00	0.00	0.11	99.89	100.00
97M44OPX_BF064_Opx4	50.47	0.11	6.27	0.22	20.30	0.13	21.78	0.06	0.00	0.00	99.36	0.13	65.43	34.21	0.23	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF125_Opx5_1	50.45	0.06	5.70	0.21	20.60	0.13	21.98	0.06	0.00	0.01	99.23	0.13	65.31	34.34	0.22	100.00	0.00	0.00	100.00	100.00
97M44OPX_BF106_Opx7	50.82	0.09	5.34	0.23	21.02	0.12	21.60	0.05	0.00	0.00	99.30	0.12	64.48	35.20	0.20	100.00	0.00	0.01	99.99	100.00
97M44OPX_BF125_Opx8_1	49.77	0.08	5.56	0.11	21.17	0.12	21.39	0.07	0.00	0.01	99.32	0.15	64.07	35.57	0.20	100.00	0.00	0.01	99.99	100.00
97M44OPX_Z7141_Opx11	50.65	0.03	6.29	0.24	22.12	0.17	20.69	0.06	0.01	0.01	99.31	0.13	62.25	37.33	0.28	100.00	0.00	0.04	99.96	100.00
97M44OPX_Z7141_Opx15_1	50.60	0.03	5.10	0.29	21.65	0.16	20.94	0.09	0.01	0.00	98.92	0.19	63.00	36.54	0.27	100.00	0.00	0.04	99.96	100.00
97M44OPX_Z7141_Opx16_1	52.09	0.05	5.00	0.19	18.34	0.11	23.63	0.10	0.00	0.00	99.55	0.22	69.39	30.21	0.18	100.00	0.00	0.00	100.00	100.00
97M44OPX_Z7141_Opx18_1	50.60	0.04	6.27	0.27	20.40	0.12	21.57	0.05	0.00	0.00	99.34	0.10	65.13	34.56	0.20	100.00	0.00	0.00	100.00	100.00
97M44OPX_Z7141_Opx6_1	50.69	0.08	6.07	0.16	19.89	0.09	22.31	0.06	0.00	0.00	99.37	0.13	66.48	33.25	0.15	100.00	0.00	0.00	100.00	100.00
97M44OPX_Z7141_Opx6_2	50.90	0.10	5.89	0.21	19.93	0.13	22.17	0.06	0.00	0.00	99.42	0.13	66.25	33.41	0.21	100.00	0.00	0.00	100.00	100.00
97M44OPX_Z7141_Opx9_1	50.29	0.04	5.81	0.24	21.96	0.16	20.62	0.06	0.00	0.00	99.21	0.13	62.35	37.25	0.28	100.00	0.00	0.00	100.00	100.00
97M44OPX_Z7142_Opx2_1	49.94	0.04	5.97	0.26	20.24	0.17	21.61	0.06	0.01	0.00	98.34	0.13	65.28	34.30	0.29	100.00	0.00	0.04	99.96	100.00
97M44OPX_Z7142_Opx5_2	50.30	0.05	5.19	0.22	21.15	0.13	21.72	0.03	0.01	0.01	98.86	0.07	64.48	35.22	0.23	100.00	0.00	0.05	99.95	100.00
97M44OPX_Z7142_Opx7_3	50.25	0.31	5.48	0.20	20.13	0.12	22.23	0.08	0.00	0.00	98.82	0.17	66.07	33.56	0.20	100.00	0.00	0.00	100.00	100.00
97M44OPX_Z7144_Opx2_1	50.88	0.11	5.40	0.15	21.21	0.16	21.52	0.07	0.01	0.00	99.54	0.16	64.12	35.45	0.27	100.00	0.00	0.05	99.95	100.00
97M44OPX_Z7144_Opx3_1	50.98	0.25	5.47	0.19	19.98	0.15														

Table S1

97S165CPX_BF106_Di6	55.41	0.03	1.14	0.03	1.68	0.01	16.74	24.17	0.68	0.00	99.91	49.55	47.75	2.69	0.02	100.00	0.00	2.47	97.53	100.00
97S165CPX_BF106_Di7	55.30	0.04	1.11	0.04	1.66	0.01	16.79	24.53	0.55	0.00	100.06	49.86	47.48	2.63	0.02	100.00	0.00	2.00	98.00	100.00
97S165CPX_BF106_Di8	55.61	0.04	1.11	0.04	1.52	0.00	16.78	24.27	0.68	0.00	100.05	49.73	47.84	2.43	0.00	100.00	0.00	2.45	97.55	100.00
97S165CPX_BF106_Di9	55.17	0.04	1.19	0.04	1.75	0.00	16.64	24.29	0.55	0.01	99.72	49.77	47.44	2.80	0.00	100.00	0.00	1.98	98.02	100.00
97S165CPX_Z7141_Di1_1	55.56	0.06	1.09	0.05	1.60	0.00	16.77	24.34	0.67	0.00	100.15	49.75	47.70	2.55	0.00	100.00	0.00	2.41	97.59	100.00
97S165CPX_Z7141_Di2	55.54	0.05	1.18	0.05	1.72	0.00	16.72	24.32	0.57	0.00	100.19	49.71	47.55	2.74	0.00	100.00	0.00	2.05	97.95	100.00
97S165CPX_Z7141_Di3	55.44	0.03	1.17	0.06	1.58	0.00	16.60	24.19	0.64	0.00	99.73	49.86	47.60	2.54	0.00	100.00	0.00	2.34	97.66	100.00
97S165CPX_Z7141_Di4_1	55.55	0.02	1.14	0.01	1.59	0.01	16.72	24.26	0.60	0.00	99.92	49.74	47.70	2.54	0.02	100.00	0.00	2.16	97.84	100.00
97S165CPX_Z7141_Di5_1	55.63	0.01	0.98	0.03	1.47	0.00	16.98	24.36	0.59	0.00	100.08	49.58	48.09	2.34	0.00	100.00	0.00	2.11	97.89	100.00
97S165CPX_Z7141_Di6	55.75	0.02	1.15	0.04	1.64	0.00	16.59	24.14	0.69	0.00	100.05	49.77	47.59	2.64	0.00	100.00	0.00	2.51	97.49	100.00
97S165CPX_Z7142_Di1_2	54.81	0.03	1.06	0.04	1.58	0.00	16.93	24.56	0.42	0.00	99.47	49.77	47.73	2.50	0.00	100.00	0.00	1.52	98.48	100.00
97S165CPX_Z7142_Di2_2	54.69	0.08	1.23	0.03	1.75	0.00	16.93	24.17	0.59	0.00	99.48	49.23	47.98	2.78	0.00	100.00	0.25	1.88	97.87	100.00
97S165CPX_Z7142_Di3_2	54.89	0.04	1.12	0.06	1.71	0.01	16.72	24.51	0.62	0.01	99.72	49.90	47.37	2.72	0.01	100.00	0.22	2.01	97.77	100.00
97S165CPX (average, n=34)	55.32	0.04	1.12	0.03	1.65	0.01	16.82	24.37	0.58	0.00	99.94	49.68	47.69	2.63	0.01	100.00	0.00	2.09	97.91	100.00
%RSD	0.53	60.74	13.60	50.43	5.78	121.33	0.92	0.68	14.78	178.26		0.66	1.25	4.41	93.68	100.00	3.62	17.84	78.53	100.00
GG01-80MP_BF106_Omp1	55.03	0.07	6.75	0.00	8.67	0.01	7.98	13.74	6.19	0.00	98.44	43.45	35.11	21.40	0.03	100.00	6.53	21.34	72.13	100.00
GG01-80MP_BF106_Omp10	55.63	0.05	7.67	0.00	8.35	0.01	8.02	12.78	6.72	0.01	99.24	41.95	36.63	21.39	0.03	100.00	7.16	23.41	69.43	100.00
GG01-80MP_BF106_Omp11	55.89	0.06	7.27	0.02	6.94	0.02	8.80	14.36	6.17	0.00	99.55	44.82	38.22	16.91	0.05	100.00	5.27	21.94	72.79	100.00
GG01-80MP_BF106_Omp2	54.66	0.02	5.00	0.00	9.19	0.02	9.33	15.70	5.17	0.00	99.10	43.77	36.19	20.00	0.05	100.00	8.52	13.93	77.55	100.00
GG01-80MP_BF106_Omp3	55.42	0.00	7.10	0.00	8.41	0.00	8.14	13.68	6.31	0.00	99.06	43.33	35.88	20.79	0.00	100.00	6.65	21.68	71.67	100.00
GG01-80MP_BF106_Omp4	55.41	0.03	6.39	0.02	8.28	0.01	8.70	14.18	6.01	0.01	99.06	43.29	36.95	19.73	0.03	100.00	6.81	19.82	73.38	100.00
GG01-80MP_BF106_Omp5	55.45	0.03	6.77	0.00	7.75	0.01	8.70	14.32	5.98	0.01	99.03	44.08	37.27	18.62	0.03	100.00	5.79	20.65	73.56	100.00
GG01-80MP_BF106_Omp6	55.57	0.02	6.71	0.03	7.77	0.01	8.82	14.52	6.06	0.00	99.53	44.18	37.34	18.45	0.03	100.00	7.17	19.64	73.19	100.00
GG01-80MP_BF106_Omp7	55.98	0.05	7.52	0.00	6.73	0.00	9.06	14.38	5.97	0.01	99.72	44.60	39.10	16.29	0.00	100.00	3.81	22.24	73.94	100.00
GG01-80MP_BF106_Omp8	55.46	0.07	7.61	0.00	8.45	0.03	9.85	13.30	6.80	0.00	99.39	43.12	35.41	21.39	0.08	100.00	7.32	22.64	70.04	100.00
GG01-80MP_BF106_Omp9	54.97	0.04	5.44	0.02	8.80	0.04	7.34	16.11	5.04	0.00	99.81	44.74	36.09	19.08	0.09	100.00	6.91	14.70	78.39	100.00
GG01-80MP (average, n=11)	55.41	0.04	6.75	0.01	8.12	0.02	8.61	14.28	6.02	0.00	99.26	43.78	36.74	19.44	0.04	100.00	6.54	20.14	73.32	100.00
%RSD	0.71	52.99	12.82	131.18	9.35	78.50	6.25	6.78	8.55	99.69		7.97	10.25	8.60	73.18	100.00	7.85	8.80	83.36	100.00
NIJ-ID_BF106_Jd1_1	60.49	0.01	25.47	0.00	0.04	0.00	0.01	0.03	15.13	0.01	101.20	38.28	11.28	46.05	4.39	100.00	0.00	99.76	0.24	100.00
NIJ-ID_BF106_Jd1_2	60.48	0.00	25.40	0.01	0.00	0.00	0.01	0.03	15.18	0.00	101.12	78.06	21.94	0.00	0.00	100.00	0.00	99.86	0.14	100.00
NIJ-ID_BF106_Jd1_3	60.37	0.05	25.14	0.00	0.08	0.00	0.01	0.03	15.16	0.00	100.86	31.12	9.59	58.45	0.83	100.00	0.00	99.62	0.38	100.00
NIJ-ID_BF106_Jd1_4	60.19	0.02	25.20	0.00	0.07	0.03	0.00	0.15	15.13	0.00	100.82	64.51	1.30	22.87	11.32	100.00	0.00	99.19	0.81	100.00
NIJ-ID_BF106_Jd2_1	60.21	0.00	25.53	0.02	0.05	0.01	0.00	0.05	14.95	0.01	100.83	50.27	0.00	39.67	10.07	100.00	0.00	99.66	0.34	100.00
NIJ-ID_BF106_Jd2_2	60.17	0.08	25.16	0.00	0.28	0.02	0.03	0.07	15.01	0.00	100.81	19.93	10.75	64.60	4.72	100.00	0.00	98.78	1.22	100.00
NIJ-ID_BF106_Jd2_3	60.21	0.00	25.48	0.00	0.02	0.00	0.00	0.02	15.15	0.00	100.88	60.57	0.00	39.43	0.00	100.00	0.00	99.87	0.13	100.00
NIJ-ID_BF106_Jd3 <- BF106_JD_01	59.48	0.00	25.17	0.00	0.00	0.00	0.00	0.19	14.93	0.01	99.78	100.00	0.00	0.00	0.00	100.00	0.00	99.29	0.71	100.00
NIJ-ID_BF106_Jd3_1	60.12	0.00	25.25	0.00	0.03	0.01	0.00	0.16	15.04	0.01	100.63	83.78	0.00	12.04	4.18	100.00	0.00	99.31	0.69	100.00
NIJ-ID_BF106_Jd3_2	60.23	0.03	25.37	0.00	0.04	0.01	0.01	0.06	15.09	0.00	100.87	52.13	10.40	28.58	8.89	100.00	0.00	99.56	0.44	100.00
NIJ-ID_BF106_Jd3_3	60.18	0.00	25.26	0.00	0.03	0.00	0.00	0.04	15.05	0.00	100.59	67.27	0.44	31.66	0.63	100.00	0.00	99.77	0.23	100.00
NIJ-ID (average, n=11)	60.19	0.02	25.31	0.00	0.06	0.01	0.01	0.08	15.07	0.00	100.75	56.37	5.32	33.31	5.00	100.00	0.00	99.51	0.49	100.00
%RSD	0.45	130.27	0.56	207.73	136.02	123.83	151.29	81.22	0.57	131.42		16.38	42.46	21.41	19.74	100.00				
NRM-AG1_BF064_Cpx1_1	50.61	0.85	3.41	0.01	8.41	0.20	13.80	21.12	0.31	0.00	98.73	44.89	40.81	13.95	0.34	100.00	0.70	0.49	98.82	100.00
NRM-AG1_BF064_Cpx1_11	50.83	0.86	3.29	0.03	8.21	0.23	13.96	21.40	0.28	0.01	99.11	45.14	40.97	13.52	0.38	100.00	0.85	0.22	98.93	100.00
NRM-AG1_BF064_Cpx1_21	50.99	0.89	3.28	0.07	8.31	0.18	14.25	21.15	0.31	0.00	99.45	44.43	41.65	13.62	0.30	100.00	1.07	0.09	98.83	100.00
NRM-AG1_BF064_Cpx2_1	50.53	0.84	3.33	0.04	8.59	0.22	13.83	21.28	0.32	0.00	98.98	44.89	40.59	14.14	0.37	100.00				
NRM-AG1_BF064_Cpx2_2	50.51	0.90	3.56	0.00	8.65	0.21	13.89	21.05	0.33	0.00	99.10	44.51	40.86	14.28	0.35	100.00				
NRM-AG1_BF064_Cpx3_1	49.77	0.94	3.96	0.02	8.83	0.20	13.65	21.23	0.37	0.00	98.97	44.91	40.17	14.58	0.34	100.00				
NRM-AG1_BF064_Cpx3_11	49.71	1.13	4.09	0.05	8.73	0.19	13.44	21.49	0.34	0.00	99.19	45.57	39.66	14.45	0.32	100.00				
NRM-AG1_BF064_Cpx4_1	50.96	0.77	3.16	0.08	8.41	0.19	14.22	20.96	0.32	0.00	99.09	44.17	41.69	13.83	0.31	100.00	1.06	0.15	98.79	100.00
NRM-AG1_BF064_Cpx4_11	51.03	0.82	3.14	0.06	8.27	0.23	14.23	21.10	0.29	0.00	99.19	44.39	41.65	13.58	0.39	100.00	0.80	0.30	98.90	100.00
NRM-AG1_BF064_Cpx5_1	49.83	1.04	4.17	0.04	8.54	0.18	13.51	21.21	0.32	0.00	98.85	45.31	40.15	14.24	0.30	100.00				
NRM-AG1_BF064_Cpx5_2	51.11	0.83	3.20	0.02	8.17	0.21	14.13	21.27	0.35	0.01	99.29	44.80	41.41	13.43	0.35	100.00	0.99	0.34	98.67	100.00
NRM-AG1_Cpx (average, n=11)	50.53	0.90	3.51	0.04	8.47	0.20	13.90	21.21	0.32	0.00	99.08	44.82	40.88	13.96	0.34	100.00				
%RSD	1.05	11.68	10.95	64.23	2.59	8.67	2.07	0.72	7.79	129.79		5.79	23.13	16.17	54.91	100.00	8.22	49.18	42.61	100.00
NRM-EN2_BF064_Opx1_1	57.39	0.01	1.06	0.45	7.96	0.20	32.69	0.26	0.00	0.00	100.11	0.50	87.27	11.92	0.31	100.00	0.00	0.00	100.00	100.00
NRM-EN2_BF106_Opx1_1	57.15	0.00	1.05	0.48	8.08	0.19	32.91	0.33	0.00	0.00	100.25	0.63	87.09	11.99	0.29	100.00	0.00	0.00	100.00	100.00
NRM-EN2_BF064_Opx1_2	57.04	0.03	1.08	0.49	7.25	0.16	31.15	3.29	0.02	0.00	100.57	6.28	82.68	10.80	0.24	100.00	0.00	0.05	99.95	100.00
NRM-EN2_BF106_Opx1_2	57.05	0.01	1.00	0.39	7.95	0.20	32.90	0.26	0.01	0.00	99.86	0.50	87.36	11.84	0.30	100.00				

Table S1

QLP08-1OMP_BF106_Omp11	55.89	0.04	8.97	0.01	6.15	0.00	8.34	13.27	6.65	0.00	99.33	44.72	39.10	16.18	0.01	100.00	3.87	26.10	70.03	100.00
QLP08-1OMP_BF106_Omp12	56.63	0.06	10.44	0.06	5.67	0.01	7.58	11.64	7.63	0.00	99.72	43.72	39.61	16.62	0.04	100.00	3.45	31.88	64.67	100.00
QLP08-1OMP_BF106_Omp13	56.02	0.05	8.99	0.01	5.90	0.02	8.57	13.16	6.68	0.00	99.39	44.31	40.15	15.50	0.04	100.00	3.87	26.17	69.95	100.00
QLP08-1OMP_BF106_Omp14	55.85	0.02	8.35	0.01	5.91	0.01	8.94	14.24	6.13	0.01	99.48	45.50	39.74	14.74	0.02	100.00	3.35	23.70	72.96	100.00
QLP08-1OMP_BF106_Omp15	56.56	0.06	10.02	0.04	5.51	0.02	7.98	12.19	7.47	0.00	99.85	44.15	40.22	15.58	0.05	100.00	4.62	29.77	65.61	100.00
QLP08-1OMP_BF106_Omp16	56.46	0.00	9.47	0.03	5.55	0.03	8.34	12.88	6.94	0.00	99.73	44.66	40.24	15.02	0.08	100.00	3.14	28.15	68.71	100.00
QLP08-1OMP_BF106_Omp17	56.44	0.05	7.73	0.04	5.16	0.01	8.55	13.30	6.61	0.00	99.92	45.50	40.70	13.78	0.03	100.00	1.09	26.76	70.65	100.00
QLP08-1OMP_BF106_Omp18	56.19	0.05	8.47	0.01	5.82	0.02	8.99	13.92	6.30	0.01	99.78	44.93	40.37	14.66	0.04	100.00	3.23	24.53	72.23	100.00
QLP08-1OMP_BF106_Omp2	56.24	0.03	8.98	0.02	5.72	0.00	8.63	13.61	6.43	0.01	99.69	45.24	39.91	14.84	0.01	100.00	2.16	26.33	71.51	100.00
QLP08-1OMP_BF106_Omp3	56.34	0.03	8.37	0.02	5.95	0.02	9.04	13.99	6.42	0.00	100.19	44.80	40.28	14.87	0.04	100.00	4.53	23.82	71.66	100.00
QLP08-1OMP_BF106_Omp4	57.27	0.01	10.66	0.01	5.26	0.00	7.76	11.59	7.66	0.01	100.24	43.75	40.76	15.50	0.00	100.00	1.97	33.06	64.97	100.00
QLP08-1OMP_BF106_Omp4	56.02	0.06	8.98	0.03	6.00	0.00	8.52	13.55	6.64	0.00	99.84	45.03	39.40	15.57	0.00	100.00	4.45	25.36	70.19	100.00
QLP08-1OMP_BF125_Omp4	55.94	0.06	8.78	0.03	6.11	0.00	8.57	13.29	6.59	0.01	99.39	44.32	39.77	15.91	0.00	100.00	3.97	25.62	70.42	100.00
QLP08-1OMP_BF064_Omp5	56.68	0.02	8.78	0.02	6.47	0.01	8.33	13.35	6.70	0.00	100.36	44.50	38.64	16.83	0.02	100.00	3.29	26.44	70.27	100.00
QLP08-1OMP_BF106_Omp5	56.42	0.02	10.05	0.00	5.98	0.03	7.75	11.98	7.36	0.01	99.60	43.64	39.28	17.00	0.07	100.00	3.67	30.20	66.13	100.00
QLP08-1OMP_BF106_Omp6	56.34	0.02	9.56	0.03	5.41	0.04	8.49	13.32	6.70	0.00	99.97	45.32	40.20	14.37	0.11	100.00	2.49	27.45	70.07	100.00
QLP08-1OMP_BF106_Omp7	56.29	0.01	9.43	0.00	5.41	0.00	8.68	13.49	6.58	0.00	99.89	45.28	40.54	14.18	0.00	100.00	2.61	26.69	70.70	100.00
QLP08-1OMP_BF106_Omp8	56.03	0.04	8.56	0.00	5.82	0.01	8.86	14.25	6.22	0.00	99.79	45.78	39.61	14.59	0.02	100.00	3.21	24.20	72.59	100.00
QLP08-1OMP_BF106_Omp9	56.17	0.02	8.72	0.00	5.94	0.03	8.66	13.44	6.58	0.01	99.57	44.58	39.97	15.38	0.07	100.00	3.79	25.60	70.61	100.00
QLP08-1OMP (average, n=23)	56.26	0.04	9.22	0.02	5.80	0.01	8.45	13.17	6.76	0.00	99.73	44.72	39.89	15.36	0.04	100.00	3.45	26.89	69.66	100.00
%RSD	0.68	58.67	7.50	85.77	5.23	83.92	5.13	6.28	7.08	129.06		7.49	8.52	4.87	79.12	100.00	4.41	9.44	86.15	100.00
95AK24 (or UWC3CPX)_BF064_Di1	54.15	0.09	1.36	0.00	4.59	0.23	14.96	24.39	0.14	0.01	99.91	49.81	42.51	7.32	0.37	100.00	0.00	0.50	99.50	100.00
95AK24 (or UWC3CPX)_BF106_D1 <-- BF106_D1OPS_GRAIN1	53.55	0.04	0.96	0.00	4.09	0.23	15.52	24.62	0.08	0.00	99.10	49.65	43.54	6.44	0.37	100.00	0.00	0.31	99.69	100.00
95AK24 (or UWC3CPX)_BF106_Di1_1	54.48	0.05	1.00	0.00	4.16	0.21	15.43	24.49	0.11	0.01	99.93	49.60	43.49	6.58	0.33	100.00	0.00	0.39	99.61	100.00
95AK24 (or UWC3CPX)_BF106_Di1_2	54.31	0.05	0.85	0.00	4.11	0.26	15.57	24.60	0.09	0.00	99.84	49.52	43.61	6.46	0.41	100.00	0.00	0.34	99.66	100.00
95AK24 (or UWC3CPX)_BF106_Di1_3	54.19	0.04	0.91	0.00	4.13	0.21	15.37	24.47	0.11	0.00	99.44	49.69	43.43	6.55	0.34	100.00	0.00	0.40	99.60	100.00
95AK24 (or UWC3CPX)_BF064_Di2	54.10	0.14	1.49	0.01	4.71	0.22	14.96	24.43	0.12	0.00	100.20	49.76	42.40	7.49	0.36	100.00	0.00	0.44	99.56	100.00
95AK24 (or UWC3CPX)_BF106_Di2	54.42	0.08	1.12	0.00	4.00	0.22	15.47	24.71	0.13	0.01	100.15	49.89	43.46	6.30	0.35	100.00	0.00	0.47	99.53	100.00
95AK24 (or UWC3CPX)_BF064_Di3	54.13	0.09	1.21	0.00	4.37	0.22	15.23	24.54	0.10	0.00	99.92	49.76	42.97	6.92	0.35	100.00	0.00	0.47	99.53	100.00
95AK24 (or UWC3CPX)_BF106_Di3_1	54.05	0.06	0.97	0.00	4.17	0.21	15.36	24.29	0.12	0.01	99.24	49.49	43.54	6.63	0.34	100.00	0.00	0.43	99.57	100.00
95AK24 (or UWC3CPX)_BF106_Di3_2	54.35	0.08	1.03	0.01	4.15	0.21	15.39	24.39	0.12	0.00	99.75	49.56	43.51	6.58	0.34	100.00	0.00	0.44	99.56	100.00
95AK24 (or UWC3CPX)_BF064_Di4	54.27	0.07	1.41	0.00	4.60	0.22	15.97	24.50	0.14	0.00	100.17	49.91	42.43	7.31	0.35	100.00	0.00	0.50	99.50	100.00
95AK24 (or UWC3CPX)_BF064_Di8	54.11	0.10	1.34	0.00	4.47	0.20	14.02	24.49	0.11	0.00	99.84	49.95	42.62	7.12	0.32	100.00	0.00	0.40	99.60	100.00
95AK24 (or UWC3CPX)_BF064_Di9	53.88	0.13	1.72	0.00	4.68	0.20	14.91	24.41	0.14	0.00	100.07	49.85	42.37	7.46	0.32	100.00	0.00	0.53	99.47	100.00
95AK24 (or UWC3CPX) CPX (average, n=13)	54.15	0.08	1.18	0.00	4.33	0.22	15.24	24.49	0.12	0.00	99.81	49.73	43.07	6.86	0.35	100.00	0.00	0.43	99.57	100.00
%RSD	0.45	39.89	22.33	182.31	5.86	7.16	1.60	0.46	14.54	113.27		3.54	17.27	35.38	43.82	100.00	13.19	62.72	24.09	100.00
<b>Session-230523</b>																				
BF132_1594CPX_Hd1-1	50.78	0.08	1.12	0.00	16.01	0.80	8.05	22.06	1.16	0.00	100.06	47.55	24.14	26.94	1.36	100.00				
BF132_1594CPX_Hd10-1	50.59	0.10	1.74	0.00	16.22	0.70	7.51	21.63	1.39	0.00	99.87	47.76	23.07	27.95	1.21	100.00				
BF132_1594CPX_Hd11-1	49.96	0.11	1.96	0.01	15.98	0.74	7.63	22.07	1.38	0.00	99.84	48.24	23.21	27.27	1.28	100.00				
BF132_1594CPX_Hd11-2	50.80	0.05	1.02	0.00	15.88	0.83	8.04	22.20	1.12	0.01	99.97	47.80	24.09	26.69	1.42	100.00				
BF132_1594CPX_Hd2-1	50.09	0.13	2.09	0.01	16.67	0.74	7.45	21.37	1.52	0.00	100.07	47.14	22.87	28.70	1.29	100.00				
BF132_1594CPX_Hd3-1	49.95	0.13	2.03	0.00	16.30	0.75	7.58	21.72	1.51	0.00	99.97	47.65	23.14	27.91	1.30	100.00				
BF132_1594CPX_Hd4-1	50.50	0.05	1.55	0.00	16.05	0.80	7.87	21.85	1.34	0.00	100.01	47.54	23.83	27.26	1.38	100.00				
BF132_1594CPX_Hd4-2	50.38	0.11	1.77	0.01	16.53	0.71	7.71	21.57	1.41	0.01	100.21	47.14	23.44	28.19	1.23	100.00				
BF132_1594CPX_Hd6-1	50.55	0.11	1.68	0.02	16.10	0.74	7.77	21.75	1.50	0.00	100.22	47.58	23.65	27.49	1.28	100.00				
BF132_1594CPX_Hd8-1	50.32	0.10	1.94	0.00	16.19	0.73	7.63	21.64	1.37	0.00	99.94	47.59	23.35	27.79	1.27	100.00				
BF132_1594CPX_Hd9-1	50.38	0.08	1.77	0.00	16.28	0.72	7.59	21.74	1.46	0.00	100.03	47.70	23.17	27.88	1.25	100.00				
1594CPX (average, n=11)	50.39	0.10	1.70	0.01	16.20	0.75	7.71	21.78	1.38	0.00	100.01	47.61	23.45	27.64	1.30	100.00				
%RSD	0.59	28.73	20.57	148.32	1.47	5.60	2.61	1.13	9.70	184.44		10.92	35.15	11.09	42.84	100.00	4.29	61.37	34.35	100.00
BF132_1984HD_Hd1-1	47.84	0.04	0.49	0.01	23.94	3.32	1.01	22.86	0.20	0.00	99.71	50.16	3.07	41.01	5.76	100.00				
BF132_1984HD_Hd1-2	48.18	0.02	0.30	0.00	24.39	3.73	0.99	22.43	0.22	0.00	100.27	48.99	3.00	41.58	6.44	100.00				
BF132_1984HD_Hd10-1	47.83	0.01	0.48	0.00	25.02	2.59	0.98	22.68	0.24	0.00	99.84	49.72	2.99	42.81	4.49	100.00				
BF132_1984HD_Hd2-1	47.88	0.04	0.32	0.00	24.17	3.34	1.17	23.00	0.19	0.00	100.12	49.86	3.52	40.90	5.72	100.00				
BF132_1984HD_Hd3-1	47.72	0.01	0.35	0.02	24.52	3.46	1.06	22.28	0.23	0.00	99.65	48.83	3.23	41.94	5.99	100.00				
BF132_1984HD_Hd4-1	47.64	0.05	0.64	0.02	24.76	3.22	0.97	22.57	0.17	0.00	100.05	49.28	2.96	42.20	5.56	100.00				
BF132_1984HD_Hd4-2	47.84	0.01	0.39	0.01	24.15	3.25	1.32	22.73	0.19	0.00	99.90	49.42	4.00	40.99	5.59	100.00				
BF132_1984HD_Hd5-1	47.84	0.02	0.45	0.00	24.62	2.74	1.15	22.86	0.21	0.00	99.90	49.87	3.49	41.92	4.73	100.00				
BF132_1984HD_Hd6-1	48.05	0.01	0.46	0.01	24.69	2.79	1.19	22.81	0.23	0.00	100.24	49.65	3.61	41.95	4.80	100.00				
BF132_1984HD_Hd7-1	47.93	0.04</																		

Table S1

BF132_37087HD_Hd6-1	49.36	0.07	0.35	0.00	21.41	1.25	4.23	23.45	0.08	0.00	100.24	49.85	12.51	35.53	2.10	100.00				
BF132_37087HD_Hd7-1	49.12	0.07	0.71	0.01	21.15	1.25	4.27	23.71	0.15	0.00	100.46	50.29	12.60	35.01	2.10	100.00				
BF132_37087HD_Hd8-1	49.19	0.09	0.50	0.00	21.26	1.29	4.42	23.40	0.13	0.00	100.31	49.61	13.04	35.18	2.16	100.00				
BF132_37087HD_Hd9-1	49.44	0.04	0.61	0.00	20.75	1.13	4.45	23.91	0.14	0.00	100.54	50.67	13.12	34.32	1.89	100.00				
37087HD (average, n=12)	49.27	0.08	0.56	0.00	21.24	1.22	4.40	23.36	0.13	0.00	100.26	49.68	13.01	35.26	2.04	100.00				
%RSD	0.39	49.34	34.61	110.23	1.00	6.61	3.03	1.11	19.59	126.24		9.81	37.19	6.87	46.13	100.00	1.69	75.36	22.95	100.00
BF132_975165CPX_Di1-1	55.14	0.05	1.15	0.03	1.64	0.00	16.99	25.49	0.56	0.00	101.09	50.56	46.89	2.54	0.00	100.00	1.83	0.16	98.01	100.00
BF132_975165CPX_Di2-1	55.05	0.04	1.16	0.02	1.71	0.00	16.90	25.50	0.60	0.00	101.02	50.65	46.70	2.65	0.00	100.00				
BF132_975165CPX_Di4-1	55.22	0.03	1.20	0.03	1.75	0.02	16.99	25.40	0.61	0.01	101.26	50.37	46.88	2.71	0.04	100.00	2.13	0.04	97.83	100.00
BF132_975165CPX_Di5-1	55.13	0.03	1.16	0.03	1.73	0.00	17.01	25.38	0.70	0.00	101.17	50.36	46.96	2.68	0.01	100.00				
BF132_975165CPX_Di6-1	55.10	0.03	1.07	0.04	1.45	0.01	17.14	25.44	0.67	0.00	101.00	50.45	47.29	2.24	0.02	100.00	2.24	0.17	97.59	100.00
975165CPX (average, n=5)	55.13	0.04	1.15	0.03	1.66	0.01	17.01	25.44	0.63	0.00	101.08	50.48	46.95	2.56	0.01	100.00				
%RSD	0.11	27.70	4.23	16.10	7.39	115.26	0.51	0.21	9.52	164.77		0.21	0.72	5.90	93.17	100.00	5.28	10.49	84.23	100.00
BF132_R1213_Hd1-1	47.69	0.01	0.37	0.00	20.96	8.86	0.21	21.89	0.05	0.00	100.06	48.07	0.63	35.92	15.38	100.00				
BF132_R1213_Hd1-2	47.52	0.04	0.50	0.01	21.90	7.53	0.27	21.93	0.01	0.00	99.71	48.36	0.82	37.70	13.13	100.00				
BF132_R1213_Hd2-1	47.59	0.04	0.54	0.00	21.80	7.72	0.31	22.00	0.00	0.00	100.01	48.29	0.96	37.35	13.40	100.00				
BF132_R1213_Hd2-2	47.04	0.04	0.55	0.01	21.99	7.50	0.26	21.84	0.02	0.00	99.26	48.21	0.80	37.89	13.09	100.00				
BF132_R1213_Hd3-1	47.63	0.03	0.48	0.00	22.16	7.43	0.29	21.97	0.03	0.00	100.03	48.24	0.87	37.98	12.90	100.00				
BF132_R1213_Hd4-1	47.78	0.01	0.42	0.00	21.42	8.06	0.23	21.88	0.04	0.00	99.85	48.31	0.70	36.92	14.07	100.00				
BF132_R1213_Hd4-2	47.83	0.04	0.49	0.00	21.83	7.43	0.28	21.98	0.02	0.00	99.90	48.54	0.87	37.63	12.97	100.00				
BF132_R1213_Hd5-1	47.62	0.03	0.53	0.00	21.78	7.64	0.28	21.95	0.04	0.00	99.87	48.37	0.85	37.46	13.31	100.00				
BF132_R1213_Hd6-1	47.31	0.01	0.43	0.00	21.98	7.46	0.26	21.83	0.02	0.00	99.29	48.25	0.80	37.92	13.03	100.00				
BF132_R1213_Hd6-2	47.26	0.03	0.52	0.00	21.86	7.71	0.26	21.77	0.04	0.00	99.45	48.06	0.81	37.67	13.46	100.00				
BF132_R1213_Hd7-1	47.67	0.01	0.46	0.02	21.45	8.04	0.25	21.94	0.04	0.00	99.92	48.34	0.76	36.89	14.00	100.00				
BF132_R1213_Hd7-2	47.68	0.02	0.51	0.00	22.00	7.58	0.27	22.05	0.05	0.00	100.17	48.36	0.83	37.66	13.14	100.00				
BF132_R1213_Hd8-1	47.82	0.02	0.45	0.00	21.60	8.12	0.27	22.00	0.04	0.00	100.33	48.19	0.81	36.93	14.06	100.00				
BF132_R1213_Hd8-2	47.89	0.02	0.42	0.00	22.37	7.46	0.27	21.90	0.03	0.00	100.37	47.98	0.84	38.26	12.92	100.00				
R1213 HD (average, n=14)	47.60	0.03	0.48	0.00	21.79	7.75	0.26	21.92	0.03	0.00	99.86	48.26	0.81	37.44	13.49	100.00				
%RSD	0.51	44.72	11.26	176.20	1.60	5.16	9.66	0.35	45.49	374.17		1.84	70.29	6.55	21.32	100.00	1.25	80.92	17.83	100.00
IG-CAS (Guiyang)																				
Session-231018																				
BF132_1594CPX_Hd1-1	51.22	0.06	1.30	0.00	15.84	0.75	8.19	21.24	1.30	0.01	99.91	46.58	25.00	27.11	1.30	100.00				
BF132_1594CPX_Hd1-2	50.73	0.09	1.99	0.00	15.86	0.67	7.81	20.87	1.58	0.00	99.60	46.74	24.35	27.73	1.18	100.00				
BF132_1594CPX_Hd10-1	51.43	0.02	1.78	0.02	16.09	0.68	7.87	21.08	1.49	0.00	100.46	46.71	24.27	27.83	1.19	100.00	5.49	0.45	94.06	100.00
BF132_1594CPX_Hd11-1	50.74	0.13	2.01	0.00	15.46	0.72	8.00	21.20	1.34	0.00	99.59	47.15	24.74	26.84	1.27	100.00	5.25	0.13	94.62	100.00
BF132_1594CPX_Hd11-2	51.49	0.06	1.08	0.01	15.51	0.75	8.24	21.54	1.19	0.00	99.89	47.13	25.09	26.48	1.29	100.00	4.10	0.56	95.33	100.00
BF132_1594CPX_Hd2-1	50.64	0.09	2.11	0.00	16.60	0.70	7.53	20.65	1.59	0.00	99.89	46.26	23.48	29.03	1.23	100.00				
BF132_1594CPX_Hd2-2	50.62	0.12	1.14	0.00	16.24	0.71	7.63	20.67	1.56	0.00	99.71	46.42	23.84	28.47	1.27	100.00				
BF132_1594CPX_Hd3-2	50.52	0.15	2.16	0.00	16.36	0.71	7.59	20.76	1.64	0.00	99.92	46.50	23.65	28.60	1.26	100.00				
BF132_1594CPX_Hd3-1	51.33	0.17	2.02	0.00	16.07	0.72	7.84	21.19	1.57	0.00	100.95	46.87	24.13	27.74	1.26	100.00				
BF132_1594CPX_Hd3-2	50.67	0.06	2.07	0.00	15.95	0.71	7.65	20.96	1.60	0.00	99.67	46.99	23.85	27.90	1.26	100.00				
BF132_1594CPX_Hd4-1	52.52	0.07	1.62	0.00	15.79	0.73	8.18	21.47	1.54	0.00	101.91	46.93	24.87	26.94	1.26	100.00				
BF132_1594CPX_Hd4-2	51.12	0.04	1.83	0.00	15.76	0.68	7.83	21.03	1.49	0.00	99.82	46.98	24.34	27.48	1.20	100.00	5.40	0.59	94.01	100.00
<del>BF132_1594CPX_Hd5-1</del>	<del>44.48</del>	<del>0.06</del>	<del>10.86</del>	<del>0.00</del>	<del>21.31</del>	<del>0.53</del>	<del>7.96</del>	<del>11.20</del>	<del>1.26</del>	<del>1.70</del>	<del>96.37</del>	<del>28.48</del>	<del>28.16</del>	<del>42.30</del>	<del>1.07</del>	<del>100.00</del>				
<del>BF132_1594CPX_Hd5-2</del>	<del>42.50</del>	<del>0.05</del>	<del>9.63</del>	<del>0.00</del>	<del>20.85</del>	<del>0.60</del>	<del>8.80</del>	<del>11.00</del>	<del>1.71</del>	<del>1.57</del>	<del>96.82</del>	<del>27.52</del>	<del>30.60</del>	<del>40.69</del>	<del>1.19</del>	<del>100.00</del>				outlier; rejected
BF132_1594CPX_Hd6-1	51.10	0.04	1.55	0.00	15.94	0.70	8.04	21.11	1.51	0.00	100.00	46.61	24.70	27.47	1.23	100.00				
<del>BF132_1594CPX_Hd7-1</del>	<del>42.73</del>	<del>0.00</del>	<del>6.64</del>	<del>0.00</del>	<del>20.58</del>	<del>0.56</del>	<del>9.11</del>	<del>11.12</del>	<del>1.30</del>	<del>1.60</del>	<del>96.63</del>	<del>27.58</del>	<del>31.46</del>	<del>39.86</del>	<del>1.09</del>	<del>100.00</del>				outlier; rejected
BF132_1594CPX_Hd8-1	51.12	0.01	1.94	0.00	15.74	0.72	7.79	20.81	1.50	0.01	99.64	46.76	24.35	27.61	1.28	100.00	4.95	1.09	93.96	100.00
BF132_1594CPX_Hd9-1	50.96	0.15	2.01	0.00	15.61	0.70	7.80	20.97	1.61	0.00	99.80	47.06	24.36	27.34	1.24	100.00	6.05	0.45	93.50	100.00
1594CPX (average, n=15 out of 18)	51.08	0.08	1.84	0.00	15.92	0.71	7.87	21.04	1.50	0.00	100.04	46.78	24.34	27.63	1.25	100.00	5.93	0.10	93.97	100.00
%RSD	0.99	58.66	17.49	247.74	1.96	3.28	2.84	1.27	8.56	143.61		13.58	42.31	16.40	27.71	100.00	6.58	59.88	33.54	100.00
BF132_1984HD_Hd1-1	49.00	0.00	0.52	0.00	23.83	3.42	0.01	22.24	0.20	0.00	100.22	49.48	3.13	41.37	6.02	100.00	0.00	0.79	99.21	100.00
BF132_1984HD_Hd1-2	49.04	0.07	0.27	0.00	23.77	3.71	1.17	21.78	0.24	0.00	100.04	48.51	3.63	41.34	6.53	100.00	0.00	0.95	99.05	100.00
BF132_1984HD_Hd10-1	48.99	0.03	0.46	0.00	24.48	2.62	1.02	22.23	0.22	0.00	100.07	49.58	3.15	42.61	4.65	100.00	0.00	0.88	99.12	100.00
BF132_1984HD_Hd10-2	48.88	0.03	0.42	0.00	23.95	3.02	1.03	22.26	0.20	0.00	99.79	49.70	3.21	41.75	5.34	100.00	0.00	0.79	99.21	100.00
BF132_1984HD_Hd2-1	48.95	0.00	0.28	0.00	23.50	3.49	1.06	22.20	0.16	0.00	99.74	49.70	3.27	40.88	6.15	100.00	0.00	0.65	99.35	100.00
BF132_1984HD_Hd2-2	48.66	0.00	0.32	0.00	23.74	3.49	1.16	22.19	0.22	0.00	99.78	49.21	3.59	41.08	6.12	100.00				
BF132_1984HD_Hd3-1	48.72	0.03	0.33	0.00	24.30	3.41	1.06	21.78	0.22	0.00	99.84	48.48	3.30	42.23	6.00	100.00	0.51	0.38	99.11	100.00
BF132_1984HD_Hd3-2	48.91	0.04	0.21	0.00	24.67	3.58	1.01	21.57	0.25	0.00	100.23	47.87	3.11	42.74	6.28	100.00	0.62	0.38	99.00	100.00
BF132_1984HD_Hd4-1	48.65	0.00	0.50	0.00	23.79	3.36	1.00	21.98	0.11	0.00	99.39	49.30	3.11	41.64	5.96	100.00	0.00	0.46	99.54	100.00
BF132_1984HD_Hd4-2	48.90	0.00	0.36	0.00	23.69	3.09	1.39	22.21	0.18	0.00	99.82	49.26	4.30	41.02	5.42	100.00	0.18	0.53	99.29	100.00
BF132_1984HD_Hd5-1	48.49	0.00	0.40	0.00	24.05	2.67	1.13	22.24	0.21	0										

Table S1

BF132_24516HD_Hd6-1	48.87	0.00	0.18	0.00	20.72	6.56	0.56	22.50	0.04	0.00	99.43	50.42	1.73	36.23	11.62	100.00	0.00	0.17	99.83	100.00
BF132_24516HD_Hd6-2	48.86	0.00	0.24	0.00	21.51	6.04	0.60	22.63	0.01	0.00	99.89	50.26	1.86	37.28	10.60	100.00	0.00	0.06	99.94	100.00
BF132_24516HD_Hd7-1	48.82	0.00	0.22	0.00	21.40	6.10	0.58	22.47	0.02	0.00	99.61	50.16	1.79	37.28	10.77	100.00	0.00	0.08	99.92	100.00
BF132_24516HD_Hd7-2	48.88	0.00	0.20	0.00	21.52	5.95	0.53	22.40	0.06	0.00	99.24	50.18	1.66	37.62	10.54	100.00	0.00	0.23	99.77	100.00
BF132_24516HD_Hd8-1	48.58	0.00	0.14	0.00	21.99	5.86	0.32	22.35	0.01	0.00	99.55	50.13	0.99	38.50	10.38	100.00	0.00	0.06	99.94	100.00
BF132_24516HD_Hd8-2	48.93	0.00	0.12	0.00	22.33	5.81	0.29	22.17	0.04	0.00	99.70	49.71	0.91	39.08	10.30	100.00	0.00	0.16	99.84	100.00
BF132_24516HD_Hd9-1	48.65	0.00	0.33	0.00	21.62	6.53	0.20	21.92	0.03	0.00	99.28	49.55	0.62	38.15	11.68	100.00	0.00	0.14	99.86	100.00
BF132_24516HD_Hd9-2	48.54	0.01	0.31	0.00	21.93	6.42	0.16	22.05	0.06	0.00	99.47	49.59	0.49	38.51	11.41	100.00	0.00	0.26	99.74	100.00
24516HD (average, n=18)	48.74	0.00	0.21	0.00	21.66	6.30	0.35	22.29	0.04	0.00	99.59	49.91	1.08	37.86	11.15	100.00	0.00	0.15	99.85	100.00
%RSD	0.40	255.96	41.72	424.26	2.62	7.76	38.94	0.77	50.22	127.78		1.22	85.83	3.24	9.72	100.00	1.34	58.46	40.19	100.00
BF132_37087HD_Hd1-1	50.22	0.00	0.52	0.00	21.11	1.28	4.46	22.50	0.15	0.00	100.28	48.71	13.43	35.66	2.19	100.00	0.00	0.56	99.44	100.00
BF132_37087HD_Hd1-2	50.11	0.07	0.54	0.00	21.08	1.20	4.48	22.51	0.13	0.00	100.16	48.79	13.50	35.66	2.06	100.00	0.00	0.49	99.51	100.00
BF132_37087HD_Hd10-1	50.04	0.05	0.51	0.00	20.88	1.26	4.67	22.42	0.10	0.00	99.91	48.52	14.06	35.27	2.16	100.00	0.00	0.37	99.63	100.00
BF132_37087HD_Hd10-2	50.27	0.01	0.50	0.00	20.65	1.22	4.63	22.58	0.12	0.00	99.98	48.97	13.98	34.96	2.10	100.00	0.00	0.46	99.54	100.00
BF132_37087HD_Hd2-1	50.17	0.07	0.35	0.00	21.04	1.20	4.41	22.71	0.08	0.01	100.04	49.13	13.29	35.53	2.05	100.00	0.00	0.29	99.71	100.00
BF132_37087HD_Hd2-2	50.25	0.08	0.34	0.02	21.28	1.29	4.28	22.72	0.12	0.00	100.38	49.08	12.86	35.87	2.20	100.00	0.00	0.47	99.53	100.00
BF132_37087HD_Hd3-1	50.64	0.02	0.20	0.01	20.42	1.18	4.79	23.04	0.09	0.00	100.39	49.46	14.31	34.22	2.00	100.00	0.00	0.33	99.67	100.00
BF132_37087HD_Hd3-2	50.52	0.00	0.50	0.00	19.93	1.08	4.82	23.03	0.14	0.00	100.01	49.90	14.55	33.71	1.84	100.00	0.00	0.55	99.45	100.00
BF132_37087HD_Hd4-1	49.51	0.04	0.91	0.00	20.23	1.14	4.52	22.52	0.16	0.00	99.03	49.49	13.83	34.69	1.99	100.00	0.00	0.64	99.36	100.00
BF132_37087HD_Hd4-2	49.99	0.17	0.95	0.04	20.72	1.15	4.76	22.56	0.19	0.00	100.59	48.76	14.31	34.96	1.96	100.00	0.39	0.35	99.26	100.00
BF132_37087HD_Hd5-1	50.16	0.06	0.54	0.00	20.80	1.23	4.66	22.53	0.13	0.00	100.18	48.74	14.03	35.11	2.11	100.00	0.00	0.51	99.49	100.00
BF132_37087HD_Hd5-2	50.35	0.07	0.49	0.01	20.46	1.26	4.75	22.61	0.10	0.00	100.12	48.96	14.31	34.58	2.16	100.00	0.00	0.39	99.61	100.00
BF132_37087HD_Hd6-1	50.50	0.03	0.35	0.00	21.09	1.33	4.47	22.70	0.08	0.01	100.61	48.89	13.39	35.47	2.26	100.00	0.00	0.33	99.67	100.00
BF132_37087HD_Hd6-2	50.11	0.02	0.40	0.00	20.80	1.27	4.23	22.73	0.08	0.00	99.66	49.57	12.83	35.42	2.18	100.00	0.00	0.33	99.67	100.00
BF132_37087HD_Hd7-1	50.02	0.00	0.65	0.02	20.92	1.25	4.39	22.96	0.13	0.00	100.36	49.50	13.17	35.20	2.13	100.00	0.35	0.13	99.51	100.00
BF132_37087HD_Hd7-2	50.19	0.06	0.71	0.00	20.36	1.21	4.59	22.92	0.13	0.00	100.20	49.66	13.83	34.43	2.08	100.00	0.00	0.50	99.50	100.00
BF132_37087HD_Hd8-1	50.49	0.05	0.30	0.00	20.56	1.17	4.69	22.93	0.12	0.00	100.39	49.39	14.05	34.56	2.00	100.00	0.00	0.48	99.52	100.00
BF132_37087HD_Hd8-2	50.10	0.09	0.55	0.00	20.80	1.19	4.63	22.44	0.12	0.00	99.92	48.72	13.98	35.25	2.05	100.00	0.00	0.45	99.55	100.00
BF132_37087HD_Hd9-1	50.01	0.00	0.57	0.00	20.03	1.12	4.48	23.03	0.16	0.00	99.40	50.30	13.63	34.14	1.93	100.00	0.00	0.62	99.38	100.00
BF132_37087HD_Hd9-2	50.46	0.03	0.52	0.01	20.22	1.18	4.81	23.06	0.09	0.00	100.42	49.63	14.40	33.97	2.00	100.00	0.00	0.36	99.64	100.00
37087HD (average, n=20)	50.21	0.05	0.52	0.01	20.67	1.21	4.58	22.73	0.12	0.00	100.08	49.21	13.79	34.93	2.07	100.00	0.00	0.47	99.53	100.00
%RSD	0.50	88.86	35.66	185.83	1.85	5.18	38.82	0.98	24.95	204.67		8.29	44.87	12.21	34.63	100.00	2.60	78.70	18.70	100.00
BF064_NRM-AG1_Cpx1-1	51.29	0.88	3.42	0.08	7.95	0.20	14.59	21.55	0.29	0.00	100.24	44.69	42.11	12.87	0.33	100.00				
BF064_NRM-AG1_Cpx1-2	50.99	0.91	3.52	0.06	7.80	0.19	14.75	21.57	0.36	0.00	100.18	44.62	42.47	12.60	0.31	100.00				
BF064_NRM-AG1_Cpx1-3	50.89	1.19	3.76	0.13	8.22	0.19	14.58	21.67	0.33	0.00	100.95	44.66	41.80	13.23	0.31	100.00				
BF064_NRM-AG1_Cpx2-1	51.54	0.93	3.17	0.10	7.86	0.21	14.99	21.38	0.33	0.01	100.53	44.05	42.97	12.64	0.34	100.00				
BF064_NRM-AG1_Cpx2-2	50.69	1.02	3.88	0.01	8.06	0.22	14.22	21.42	0.41	0.01	99.95	44.93	41.50	13.20	0.37	100.00				
BF064_NRM-AG1_Cpx3-1	50.20	1.11	4.29	0.01	8.31	0.22	14.15	21.46	0.38	0.01	100.18	44.89	41.18	13.57	0.37	100.00				
BF064_NRM-AG1_Cpx3-2	49.72	1.42	4.52	0.07	8.32	0.19	14.14	21.49	0.33	0.01	100.19	44.96	41.15	13.58	0.31	100.00				
BF064_NRM-AG1_Cpx3-3	50.99	1.04	3.93	0.08	8.00	0.18	14.26	21.60	0.35	0.01	100.45	45.15	41.49	13.06	0.30	100.00				
BF064_NRM-AG1_Cpx4-1	51.53	0.86	3.19	0.05	7.91	0.20	14.91	21.38	0.30	0.01	100.34	44.13	42.81	12.75	0.32	100.00				
BF064_NRM-AG1_Cpx4-2	51.26	0.85	3.36	0.06	7.58	0.18	14.62	21.55	0.34	0.00	99.81	44.95	42.42	12.34	0.30	100.00				
BF064_NRM-AG1_Cpx5-1	50.52	1.31	4.22	0.10	8.08	0.22	14.34	21.57	0.30	0.00	100.65	44.94	41.56	13.14	0.36	100.00				
BF064_NRM-AG1_Cpx5-2	51.43	0.87	3.33	0.00	7.78	0.21	14.80	21.56	0.35	0.00	100.40	44.55	42.56	12.54	0.35	100.00				
BF064_NRM-AG1_Cpx5-3	51.45	0.89	3.31	0.01	8.08	0.23	14.62	21.57	0.35	0.01	100.51	44.57	42.03	13.04	0.37	100.00				
NRM-AG1 CPX (average, n=13)	50.96	1.02	3.68	0.06	8.00	0.20	14.54	21.52	0.34	0.00	100.32	44.70	42.01	12.96	0.33	100.00				
%RSD	1.09	18.01	12.21	69.47	2.70	8.53	1.99	0.41	10.07	98.48		3.38	22.98	17.55	56.09	100.00	7.50	57.27	35.24	100.00
BF064_NRM-EN2_Opx1-1	57.92	0.00	1.05	0.75	7.26	0.19	32.95	0.48	0.00	0.00	100.69	0.92	87.92	10.87	0.29	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx1-2	57.78	0.00	1.07	0.55	7.21	0.19	33.16	0.32	0.00	0.00	100.39	0.60	88.33	10.78	0.28	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx1-3	57.68	0.02	1.14	0.39	7.47	0.20	33.11	0.35	0.02	0.00	100.43	0.66	87.91	11.13	0.29	100.00	0.00	0.07	99.93	100.00
BF064_NRM-EN2_Opx1-4	57.96	0.00	1.04	0.46	7.29	0.15	32.67	0.53	0.01	0.00	100.13	1.02	87.76	10.99	0.23	100.00	0.00	0.03	99.97	100.00
BF064_NRM-EN2_Opx1-5	57.84	0.01	1.10	0.77	7.34	0.16	33.04	0.28	0.03	0.01	100.63	0.53	88.22	11.00	0.24	100.00	0.00	0.09	99.91	100.00
BF064_NRM-EN2_Opx2-1	57.61	0.00	1.10	0.78	7.41	0.18	32.61	0.29	0.01	0.00	100.02	0.56	87.95	11.21	0.28	100.00	0.00	0.03	99.97	100.00
BF064_NRM-EN2_Opx2-2	57.51	0.00	1.16	0.80	7.43	0.16	32.86	0.31	0.00	0.00	100.30	0.59	88.01	11.16	0.24	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-3	57.79	0.00	1.17	0.85	7.29	0.17	33.20	0.28	0.00	0.00	100.82	0.53	88.33	10.88	0.26	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-4	58.16	0.00	1.09	0.47	7.35	0.20	32.87	0.24	0.00	0.00	100.45	0.47	88.16	11.06	0.30	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-5	58.53	0.01	0.35	0.13	7.51	0.19	33.25	0.22	0.00	0.00	100.23	0.42	88.12	11.17	0.29	100.00	0.00	0.00	100.00	100.00
BF064_NRM-EN2_Opx2-6	58.11	0.00	1.14	0.89	7.33	0.17	32.96	0.35	0.00	0.00	100.98	0.68	88.07	10.99	0.26	100.00	0.00	0.00	100.00	100.00
NRM-EN2 OPX (average, n=11)	57.90	0.00	1.04	0.62	7.36	0.1														

Table S1

BF174_MB04-8OPX_Opx23	49.93	0.06	0.88	0.00	30.64	0.97	14.98	0.77	0.02	0.00	98.25	1.66	45.03	51.67	1.65	100.00	0.00	0.07	99.93	100.00
BF174_MB04-8OPX_Opx24	50.45	0.08	0.76	0.00	29.85	1.10	15.86	0.72	0.00	0.00	98.84	1.52	47.01	49.62	1.85	100.00	0.00	0.00	100.00	100.00
BF174_MB04-8OPX_Opx25	50.36	0.04	0.92	0.01	30.74	0.88	15.41	0.62	0.00	0.00	98.98	1.33	45.86	51.31	1.49	100.00	0.00	0.00	100.00	100.00
BF174_MB04-8OPX_Opx7	50.18	0.03	1.00	0.02	30.41	0.87	15.63	0.67	0.04	0.00	98.85	1.43	46.42	50.67	1.48	100.00				
BF174_MB04-8OPX_Opx8	49.71	0.08	0.96	0.03	30.01	0.96	15.56	0.78	0.00	0.00	98.10	1.67	46.45	50.25	1.63	100.00				
BF174_MB04-8OPX_Opx9	49.79	0.03	0.79	0.02	30.61	1.02	15.03	0.67	0.02	0.00	97.98	1.44	45.19	51.63	1.74	100.00	0.00	0.09	99.91	100.00
BF174_MB04-8OPX_Opx10	50.02	0.06	1.10	0.00	30.27	0.95	15.34	0.78	0.03	0.01	98.56	1.68	45.90	50.81	1.62	100.00	0.00	0.11	99.89	100.00
BF174_MB04-8OPX_Opx11	50.33	0.04	0.88	0.00	30.30	1.09	15.77	0.65	0.01	0.00	99.08	1.37	46.59	50.20	1.83	100.00				
BF174_MB04-8OPX_Opx31	49.82	0.05	0.99	0.01	30.84	0.93	14.98	0.79	0.03	0.00	98.46	1.69	44.89	51.83	1.59	100.00	0.02	0.09	99.89	100.00
BF174_MB04-8OPX_Opx32	50.52	0.04	0.94	0.00	30.12	0.61	15.82	0.76	0.04	0.00	98.86	1.63	47.07	50.27	1.03	100.00	0.00	0.15	99.85	100.00
BF174_MB04-8OPX_Opx14	50.43	0.07	0.78	0.00	30.12	1.10	15.90	0.64	0.00	0.00	99.04	1.35	46.94	49.87	1.84	100.00				
BF174_MB04-8OPX_Opx35	50.10	0.05	1.17	0.01	30.42	0.84	15.55	0.76	0.04	0.00	98.94	1.63	46.22	50.74	1.42	100.00				
BF174_MB04-8OPX_Opx37	50.24	0.04	0.78	0.00	30.68	1.06	15.24	0.66	0.00	0.00	98.71	1.41	45.46	51.33	1.79	100.00	0.00	0.00	100.00	100.00
MB04-8OPX (average, n=17)	50.12	0.05	0.95	0.01	30.37	0.95	15.47	0.71	0.02	0.00	98.63	1.51	46.10	50.78	1.61	100.00	0.00	0.07	99.93	100.00
%RSD	0.52	31.81	13.81	121.87	0.98	12.74	2.12	8.02	91.60	198.87		36.78	13.53	3.50	46.20	100.00	0.41	88.33	11.27	100.00
BF174_MB04-8CPX_Cpx1	50.61	0.23	2.35	0.03	13.30	0.48	10.84	20.84	0.35	0.00	99.04	44.63	32.32	22.24	0.81	100.00	1.19	0.16	98.65	100.00
BF174_MB04-8CPX_Cpx2	51.53	0.23	2.10	0.00	12.66	0.43	11.08	21.51	0.36	0.00	99.91	45.62	32.71	20.95	0.72	100.00	0.37	0.98	98.65	100.00
BF174_MB04-8CPX_Cpx3	50.55	0.26	2.38	0.04	13.20	0.46	10.92	21.10	0.38	0.00	99.30	44.94	32.35	21.94	0.77	100.00				
BF174_MB04-8CPX_Cpx4	51.18	0.24	2.36	0.05	13.66	0.42	11.38	20.85	0.37	0.00	100.51	43.73	33.21	22.37	0.70	100.00				
BF174_MB04-8CPX_Cpx5	50.99	0.28	2.64	0.02	13.50	0.46	11.29	20.77	0.42	0.00	100.39	43.84	33.15	22.24	0.77	100.00				
BF174_MB04-8CPX_Cpx6	51.67	0.19	2.27	0.02	12.84	0.41	11.46	21.66	0.47	0.00	101.01	45.17	33.25	20.90	0.68	100.00				
BF174_MB04-8CPX_Cpx7	50.71	0.27	2.64	0.04	13.32	0.46	11.38	20.26	0.41	0.01	99.50	43.24	33.79	22.19	0.78	100.00				
BF174_MB04-8CPX_Cpx8	50.75	0.25	2.28	0.00	13.46	0.50	11.24	20.70	0.46	0.00	99.64	43.81	33.11	22.24	0.83	100.00				
BF174_MB04-8CPX_Cpx9	50.90	0.22	2.27	0.02	12.56	0.49	11.01	21.71	0.42	0.00	99.60	45.98	32.44	20.76	0.81	100.00				
BF174_MB04-8CPX_Cpx10	50.96	0.34	2.69	0.06	15.23	0.46	11.17	18.60	0.41	0.00	99.92	40.08	33.51	25.62	0.79	100.00	0.15	1.42	98.44	100.00
BF174_MB04-8CPX_Cpx11	51.02	0.21	2.38	0.01	13.33	0.40	11.33	21.04	0.39	0.01	100.13	44.28	33.17	21.89	0.66	100.00				
BF174_MB04-8CPX_Cpx12	49.79	0.26	2.81	0.02	12.94	0.41	10.63	21.34	0.44	0.00	98.63	45.84	31.77	21.70	0.69	100.00				
BF174_MB04-8CPX_Cpx13	50.66	0.22	2.35	0.00	13.54	0.51	11.14	20.78	0.30	0.00	99.51	43.98	32.79	22.37	0.86	100.00				
BF174_MB04-8CPX_Cpx14	50.39	0.26	2.42	0.04	13.27	0.43	11.07	20.86	0.31	0.00	99.05	44.42	32.80	22.05	0.72	100.00				
BF174_MB04-8CPX_Cpx15	50.67	0.20	2.69	0.02	13.48	0.43	10.87	20.87	0.38	0.00	99.71	44.55	32.28	22.45	0.73	100.00				
BF174_MB04-8CPX_Cpx16	50.80	0.29	2.46	0.05	13.03	0.40	11.13	21.17	0.37	0.00	99.71	44.91	32.85	21.57	0.68	100.00				
MB04-8CPX (average, n=16)	50.82	0.25	2.44	0.03	13.33	0.45	11.12	20.88	0.39	0.00	99.71	44.32	32.85	22.09	0.75	100.00				
%RSD	0.86	14.74	7.93	73.28	4.50	8.04	2.05	3.43	12.34	183.76		21.27	17.65	21.73	39.35	100.00	10.03	53.83	36.14	100.00
BF174_MB05-2OPX_Opx19	50.40	0.06	1.34	0.07	28.42	0.56	16.77	0.69	0.06	0.00	98.45	1.49	50.02	47.55	0.95	100.00	0.00	0.25	99.75	100.00
BF174_MB05-2OPX_Opx2	50.41	0.08	1.31	0.03	28.87	0.60	16.28	0.49	0.00	0.00	98.08	1.05	49.08	48.83	1.03	100.00	0.00	0.00	100.00	100.00
BF174_MB05-2OPX_Opx20	51.15	0.09	1.02	0.05	28.56	0.59	17.00	0.68	0.00	0.00	99.14	1.45	50.22	47.34	0.99	100.00	0.00	0.00	100.00	100.00
BF174_MB05-2OPX_Opx4	50.76	0.06	1.16	0.00	28.88	0.58	17.13	0.61	0.01	0.01	99.20	1.29	50.23	47.51	0.97	100.00				
BF174_MB05-2OPX_Opx5	50.85	0.08	1.03	0.04	28.85	0.58	16.97	0.67	0.01	0.00	99.08	1.41	49.97	47.66	0.97	100.00	0.00	0.05	99.95	100.00
BF174_MB05-2OPX_Opx6	50.20	0.05	1.37	0.06	28.66	0.60	17.04	0.61	0.03	0.00	98.64	1.30	50.27	47.43	1.01	100.00				
BF174_MB05-2OPX_Opx7	50.58	0.06	1.05	0.05	28.59	0.66	17.16	0.54	0.00	0.00	98.68	1.14	50.52	47.23	1.10	100.00				
BF174_MB05-2OPX_Opx10	50.45	0.12	1.36	0.05	28.86	0.60	16.97	0.62	0.01	0.00	99.03	1.32	49.99	47.69	1.00	100.00				
BF174_MB05-2OPX_Opx11	50.20	0.09	1.43	0.06	27.78	0.56	17.22	0.62	0.00	0.00	97.95	1.32	51.30	46.44	0.94	100.00	0.00	0.00	100.00	100.00
BF174_MB05-2OPX_Opx12	50.92	0.08	1.19	0.03	29.14	0.60	17.02	0.51	0.00	0.00	99.51	1.08	49.95	47.98	1.00	100.00	0.00	0.00	100.00	100.00
BF174_MB05-2OPX_Opx13	50.79	0.07	1.03	0.01	28.30	0.53	16.87	0.65	0.01	0.00	98.26	1.39	50.35	47.37	0.89	100.00	0.00	0.04	99.96	100.00
BF174_MB05-2OPX_Opx14	50.02	0.10	1.46	0.05	28.62	0.58	16.96	0.55	0.02	0.00	98.38	1.18	50.26	47.59	0.97	100.00				
BF174_MB05-2OPX_Opx15	50.58	0.09	1.17	0.04	28.86	0.60	17.16	0.61	0.01	0.00	99.13	1.28	50.28	47.44	1.00	100.00				
BF174_MB05-2OPX_Opx16	<del>50.93</del>	<del>0.32</del>	<del>2.65</del>	<del>0.06</del>	<del>11.21</del>	<del>0.20</del>	<del>11.68</del>	<del>21.07</del>	<del>0.44</del>	<del>0.00</del>	<del>99.63</del>	<del>46.53</del>	<del>24.43</del>	<del>18.71</del>	<del>0.34</del>	<del>100.00</del>				outlier; rejected
BF174_MB05-2OPX_Opx16-2	50.29	0.07	1.29	0.05	28.62	0.60	17.06	0.47	0.04	0.00	98.53	1.00	50.48	47.51	1.01	100.00				
BF174_MB05-2OPX_Opx17	50.79	0.05	1.07	0.06	28.37	0.60	17.47	0.53	0.00	0.00	98.94	1.11	51.23	46.66	1.00	100.00				
BF174_MB05-2OPX_Opx35	50.63	0.09	1.05	0.05	28.71	0.54	16.96	0.59	0.01	0.00	98.65	1.26	50.19	47.65	0.91	100.00	0.00	0.05	99.95	100.00
BF174_MB05-2OPX_Opx30	50.62	0.15	1.26	0.03	28.40	0.61	17.25	0.57	0.00	0.00	98.90	1.21	50.83	46.95	1.02	100.00	0.00	0.00	100.00	100.00
BF174_MB05-2OPX_Opx28	50.34	0.10	1.26	0.00	28.36	0.55	16.87	0.63	0.01	0.00	98.12	1.35	50.29	47.43	0.93	100.00	0.00	0.05	99.95	100.00
MB05-2OPX (average, n=18 out of 19)	50.55	0.08	1.21	0.04	28.60	0.59	17.01	0.59	0.01	0.00	98.69	1.26	50.30	47.46	0.98	100.00	0.00	0.05	99.95	100.00
%RSD	0.58	31.88	12.28	51.86	1.07	5.32	1.44	11.01	135.48	275.76		89.21	3.23	3.50	4.06	100.00	1.36	61.01	37.62	100.00
BF174_MB05-2CPX_Cpx1	51.18	0.44	2.73	0.04	11.67	0.25	11.93	21.83	0.42	0.00	100.52	45.73	34.78	19.08	0.41	100.00				
BF174_MB05-2CPX_Cpx2	49.85	0.32	2.23	0.13	11.08	0.25	11.77	21.61	0.40	0.00	97.66	46.14	34.96	18.47	0.43	100.00				
BF174_MB05-2CPX_Cpx3	50.93	0.35	2.55	0.06	12.07	0.24	11.82	20.89	0.44	0.00	99.34	44.50	35.03	20.07	0.41	100.00	1.62	0.08	98.30	100.00
BF174_MB05-2CPX_Cpx4	50.83	0.33	2.73	0.04	11.38	0.22	11.88	21.77	0.37	0.00	99.57	45.98	34.91	18.75	0.36	100.00				
BF174_MB05-2CPX_Cpx5	51.10	0.30	2.46	0.06	11.33	0.26	11.23	22.00	0.48	0.00	100.12	45.90	35.22	18.45	0.43	100.00				
BF174_MB05-2CPX_Cpx6	51.84	0.26	2.10	0.05	10.96	0.27	11.96	22.30	0.47	0.00	100.20	46.74	34.89	17.94	0.44	100.00	1.76	0.02	98.22	100.00
BF174_MB05-2CPX_Cpx																				

Table S1

BF181_K3-20-10SPD_Px33	65.82	0.00	28.40	0.00	0.23	0.07	0.01	0.01	0.10	0.00	<b>94.64</b>	3.96	2.75	71.07	22.22	100.00	0.00	41.98	58.02	100.00	no Li2O data
BF181_K3-20-10SPD_Px37	65.67	0.00	28.24	0.01	0.02	0.02	0.00	0.00	0.10	0.01	<b>94.06</b>	0.00	0.00	44.42	55.58	100.00	0.00	85.83	14.17	100.00	no Li2O data
BF181_K3-20-10SPD_Px40	65.87	0.00	28.57	0.00	0.04	0.03	0.00	0.01	0.12	0.00	<b>94.65</b>	13.90	0.00	45.81	40.29	100.00	0.00	77.47	22.53	100.00	no Li2O data
K3-20-10SPD (average, n=20)	66.05	0.00	28.55	0.00	0.06	0.04	0.00	0.00	0.10	0.00	<b>94.81</b>	5.57	5.17	51.71	37.55	100.00	0.00	68.75	31.25	100.00	no Li2O data
%RSD	1.06	270.64	1.16	270.07	107.17	67.16	212.41	99.72	31.47	140.54		18.74	55.55	15.72	9.98	100.00					
S3407_06iY31CPX_cpx1	52.88	0.30	4.66	1.20	2.94	0.08	16.56	20.41	1.14	0.01	100.23	44.55	50.30	5.01	0.13	100.00	0.80	3.53	95.67	100.00	
S3407_06iY31CPX_cpx2	52.46	0.34	4.68	1.26	2.94	0.08	16.42	20.44	0.97	0.00	99.63	44.78	50.05	5.03	0.15	100.00	0.00	3.69	96.31	100.00	
S3407_06iY31CPX_cpx3	52.41	0.33	4.86	1.05	3.25	0.09	16.77	19.64	1.08	0.01	99.54	43.09	51.19	5.57	0.15	100.00	0.70	3.43	95.87	100.00	
06iY31CPX (average, n=3)	52.58	0.32	4.73	1.17	3.04	0.08	16.58	20.16	1.06	0.01	99.74	44.14	50.51	5.20	0.14	100.00	0.46	3.59	95.95	100.00	
%RSD	0.49	6.66	2.38	9.27	5.85	6.21	1.06	2.26	8.20	54.13		17.10	11.19	34.57	37.15	100.00	19.45	43.74	36.81	100.00	
S3407_06iY29CPX_cpx1	53.13	0.20	4.49	1.11	2.63	0.08	16.69	20.45	1.28	0.00	100.11	44.67	50.72	4.48	0.13	100.00	1.43	3.45	95.11	100.00	
S3407_06iY29CPX_cpx2	52.25	0.21	5.01	1.30	2.72	0.08	16.42	20.10	1.39	0.00	99.52	44.53	50.62	4.70	0.14	100.00	2.73	2.71	94.56	100.00	
S3407_06iY29CPX_cpx3	53.29	0.19	4.77	1.13	2.56	0.07	16.68	20.33	1.34	0.00	100.41	44.59	50.90	4.39	0.12	100.00	1.16	3.93	94.91	100.00	
06iY29CPX (average, n=3)	52.89	0.20	4.76	1.18	2.64	0.08	16.59	20.29	1.34	0.00	99.96	44.60	50.75	4.52	0.13	100.00	1.77	3.37	94.86	100.00	
%RSD	1.06	4.53	5.56	9.04	2.97	6.65	0.91	0.88	4.27	100.00		9.05	13.03	23.83	54.09	100.00	15.32	35.72	48.96	100.00	
S3407_06iY340PX_opx1	56.16	0.06	2.90	0.56	5.53	0.12	34.85	0.72	0.22	0.00	101.21	1.34	90.44	8.04	0.18	100.00					
S3407_06iY340PX_opx2	55.89	0.07	2.94	0.54	5.49	0.12	34.24	0.71	0.11	0.00	100.20	1.34	90.35	8.13	0.18	100.00					
S3407_06iY340PX_opx3	56.13	0.08	2.95	0.55	5.56	0.12	34.51	0.67	0.12	0.00	100.78	1.26	90.39	8.18	0.18	100.00					
<del>S3407_06iY31OPX_opx1</del>																					
06iY340PX (average, n=3)	56.06	0.07	2.93	0.55	5.53	0.12	34.53	0.70	0.15	0.00	100.64	1.31	90.39	8.12	0.18	100.00					
%RSD	0.26	11.92	0.94	1.17	0.63	1.68	0.89	3.66	38.00	173.21		54.45	18.39	7.37	19.79	100.00	0.66	91.05	8.29	100.00	
S3407_06iY31OPX_opx1	55.23	0.11	3.32	0.49	6.34	0.12	33.85	0.85	0.04	0.00	100.48	1.61	88.87	9.34	0.18	100.00					
S3407_06iY31OPX_opx2	55.02	0.08	3.57	0.53	6.25	0.13	33.62	0.85	0.09	0.00	100.23	1.62	88.92	9.27	0.19	100.00					
S3407_06iY31OPX_opx3-1	55.30	0.04	3.33	0.53	6.26	0.13	33.41	0.91	0.05	0.00	100.08	1.74	88.73	9.33	0.20	100.00					
S3407_06iY31OPX_opx3-2	55.24	0.09	3.34	0.56	6.29	0.12	33.68	0.81	0.11	0.00	100.33	1.53	88.97	9.32	0.17	100.00					
06iY31OPX (average, n=4)	55.19	0.08	3.39	0.53	6.29	0.12	33.64	0.86	0.07	0.00	100.17	1.63	88.87	9.32	0.18	100.00					
%RSD	0.22	35.09	3.49	6.07	0.67	5.79	0.54	4.93	45.35	120.00		45.74	6.92	4.89	42.45	100.00	0.57	88.32	11.11	100.00	
PDD_97S54CPX_scpx2c	56.17	0.03	7.40	0.00	2.25	0.02	11.81	17.67	4.44	0.01	99.93	49.26	45.80	4.90	0.04	100.00	0.00	18.28	81.72	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx2r	56.25	0.05	6.67	0.01	2.45	0.01	12.21	18.39	3.81	0.00	100.00	49.31	45.54	5.13	0.03	100.00	0.00	15.61	84.39	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_am2cpr	53.98	0.02	6.33	0.02	6.90	0.29	13.15	24.69	0.13	0.00	99.54	50.81	37.65	11.07	0.47	100.00	0.00	0.49	99.51	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cp2gt	55.70	0.03	6.99	0.08	2.68	0.01	12.17	18.45	4.01	0.01	100.32	49.22	45.18	5.59	0.01	100.00	0.00	16.22	83.78	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx3c	56.12	0.02	6.93	0.00	2.24	0.02	12.14	18.22	4.16	0.00	99.99	49.41	45.82	4.73	0.04	100.00	0.00	16.97	83.03	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx3r	56.35	0.05	7.16	0.01	2.30	0.00	11.99	18.03	4.22	0.01	100.15	49.39	45.69	4.92	0.00	100.00	0.00	17.29	82.71	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_am3cpr	54.08	0.00	6.21	0.00	7.54	0.34	13.17	24.78	0.09	0.00	100.28	50.31	37.20	11.95	0.54	100.00	0.00	0.32	99.68	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx4	56.21	0.04	6.45	0.00	2.47	0.03	12.37	18.57	3.94	0.00	100.29	49.22	45.63	5.11	0.05	100.00	0.00	15.89	84.11	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx4c	56.24	0.04	6.38	0.00	2.42	0.00	12.29	18.79	3.76	0.00	100.15	49.74	45.27	4.99	0.00	100.00	0.00	15.27	84.73	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx4r	55.93	0.05	6.53	0.02	2.66	0.02	12.19	18.72	3.83	0.00	100.13	49.58	44.89	5.49	0.05	100.00	0.00	15.52	84.48	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_am4cpr	53.63	0.03	6.56	0.00	9.29	0.37	11.96	24.16	0.17	0.00	100.24	49.98	34.42	15.00	0.60	100.00	0.00	0.63	99.37	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx1a	56.47	0.03	7.98	0.04	1.95	0.04	11.60	17.18	4.94	0.00	100.45	49.26	46.30	4.37	0.08	100.00	0.07	20.36	79.57	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx1b	56.09	0.02	7.31	0.01	2.23	0.02	11.90	18.04	4.34	0.01	100.11	49.64	45.54	4.78	0.04	100.00	0.00	17.77	82.23	100.00	Fu et al. (2003) <sup>31</sup>
PDD_97S54CPX_cpx2c	56.17	0.03	7.40	0.00	2.25	0.02	11.81	17.67	4.44	0.01	99.94	49.27	45.80	4.90	0.03	100.00	0.00	18.29	81.71	100.00	Fu et al. (2003) <sup>31</sup>
97S54CPX (average, n=14)	55.67	0.03	5.59	0.01	3.54	0.08	12.20	19.53	3.31	0.00	99.96	49.65	43.15	7.03	0.17	100.00	0.00	13.20	86.80	100.00	
%RSD	1.77	47.64	51.23	172.90	68.34	161.91	3.77	14.12	52.92	106.32		7.04	2.61	26.58	63.77	100.00	21.94	17.45	60.61	100.00	
<b>Session-251110</b>																					
BF064_97M44_1@1	48.77	0.33	6.32	0.19	19.62	0.12	22.16	0.04	0.02	0.00	97.61	0.09	66.61	33.09	0.20	100.00					
BF064_97M44_1@2	48.54	0.10	5.91	0.19	19.37	0.11	22.09	0.05	0.02	0.00	96.41	0.11	66.83	32.87	0.20	100.00					
BF064_97M44_2@1	49.29	0.07	5.29	0.17	18.89	0.11	22.48	0.04	0.00	0.00	96.39	0.10	67.76	31.95	0.19	100.00					
BF064_97M44_4@1	48.56	0.09	6.28	0.20	19.36	0.10	21.52	0.04	0.00	0.00	96.20	0.08	66.28	33.46	0.18	100.00		0.00	100.00	100.00	
BF064_97M44_5@1	48.74	0.10	6.39	0.19	19.40	0.12	22.16	0.05	0.00	0.00	97.16	0.11	66.87	32.83	0.20	100.00					
BF106_97M44_1@1	49.56	0.05	5.45	0.25	21.00	0.19	21.43	0.04	0.00	0.01	98.00	0.08	64.27	35.33	0.32	100.00					
BF106_97M44_1@3	49.50	0.16	6.04	0.17	19.84	0.12	22.13	0.03	0.02	0.00	98.03	0.07	66.34	33.38	0.20	100.00					
BF106_97M44_13@1	49.43	0.06	6.01	0.21	19.07	0.12	22.35	0.05	0.00	0.00	97.32	0.10	67.41	32.28	0.20	100.00		0.00	0.00	100.00	100.00
BF106_97M44_14@1																					

Table S1

%RSD	1.42	8.37	11.35	71.98	1.48	7.15	2.83	0.49	8.82	223.61	4.34	35.04	10.26	50.37	100.00	4.42	56.89	38.69	100.00	
BF064_EN2_1@1	54.99	0.00	1.07	0.44	7.55	0.17	33.11	0.39	0.00	0.00	97.78	0.74	87.78	11.23	0.25	100.00				
BF064_EN2_1@2	55.32	0.00	1.16	0.41	7.60	0.15	33.33	0.25	0.00	0.00	98.28	0.47	88.04	11.26	0.23	100.00				
BF064_EN2_1@3	55.61	0.00	1.10	0.40	7.40	0.15	33.10	0.51	0.00	0.00	98.31	0.98	87.80	11.01	0.22	100.00				
BF064_EN2_2@1	55.39	0.01	1.02	0.44	7.30	0.16	33.66	0.24	0.00	0.00	98.27	0.45	88.54	10.77	0.24	100.00				
BF064_EN2_2@2	55.07	0.02	1.10	0.47	7.51	0.17	33.25	0.36	0.03	0.00	98.01	0.67	87.94	11.14	0.25	100.00				
BF064_EN2_2@3	55.49	0.00	1.19	0.47	7.54	0.14	33.29	0.30	0.02	0.00	98.50	0.56	88.04	11.19	0.21	100.00				
BF106_NRM-EN-2_1@1	55.89	0.00	1.05	0.43	7.50	0.17	33.97	0.33	0.00	0.00	99.40	0.61	88.21	10.93	0.25	100.00				
BF106_NRM-EN-2_1@2	55.93	0.02	1.10	0.42	7.67	0.18	33.56	0.34	0.00	0.00	99.28	0.64	87.84	11.26	0.27	100.00				
BF106_NRM-EN-2_1@3	56.10	0.01	1.09	0.44	7.54	0.18	33.53	0.33	0.00	0.00	99.30	0.62	88.02	11.10	0.26	100.00				
BF106_NRM-EN-2_2@1	56.21	0.01	1.03	0.37	7.46	0.17	34.04	0.34	0.00	0.00	99.69	0.63	88.27	10.85	0.25	100.00				
BF106_NRM-EN-2_2@2	55.90	0.01	1.04	0.42	7.58	0.16	33.79	0.27	0.03	0.00	99.24	0.51	88.17	11.09	0.23	100.00				
BF106_NRM-EN-2_3@1	56.22	0.01	1.03	0.44	7.69	0.17	33.84	0.27	0.00	0.00	99.74	0.51	88.03	11.22	0.25	100.00				
BF106_NRM-EN-2_3@2	55.92	0.05	1.03	0.36	7.36	0.16	33.67	0.35	0.00	0.00	98.98	0.66	88.27	10.83	0.24	100.00				
NRM-EN2 Opx (average, n=13)	55.69	0.01	1.08	0.42	7.51	0.16	33.55	0.33	0.01	0.00	98.77	0.62	88.07	11.07	0.24	100.00				
%RSD	0.74	126.21	4.86	7.61	1.51	6.84	0.94	21.64	191.93	360.56	73.28	4.42	3.98	18.31	100.00	0.31	92.14	7.55	100.00	
BF064_QJH01-1_2@1	52.37	0.09	5.87	0.00	10.62	0.01	7.79	14.77	5.32	0.00	96.84	43.56	31.97	24.45	0.03	100.00	10.70	13.77	75.53	100.00
BF064_QJH01-1_3@1	52.86	0.07	5.85	0.01	9.71	0.01	8.80	15.65	4.99	0.00	97.96	44.11	34.51	21.37	0.02	100.00	10.27	12.09	77.64	100.00
BF064_QJH01-1_3@2	52.80	0.07	6.20	0.00	9.36	0.02	8.29	15.29	5.41	0.00	97.44	44.79	33.77	21.41	0.04	100.00	11.17	13.61	75.22	100.00
BF064_QJH01-1_4@1	52.37	0.11	6.40	0.01	10.29	0.02	7.64	14.27	5.74	0.00	96.85	43.32	32.26	24.37	0.05	100.00	12.35	14.59	73.06	100.00
BF064_QJH01-1_5@1	52.27	0.11	5.89	0.02	9.61	0.00	8.74	15.72	4.85	0.00	97.21	44.42	34.38	21.19	0.01	100.00	10.21	11.71	78.08	100.00
BF106_QJH01-1_3@1	53.09	0.07	5.95	0.01	9.74	0.01	8.86	15.53	5.08	0.00	98.33	43.79	34.76	21.43	0.02	100.00	10.49	12.26	77.26	100.00
BF106_QJH01-1_4@1	52.50	0.07	5.75	0.00	10.45	0.02	8.19	14.99	5.36	0.00	97.34	43.38	32.97	23.61	0.04	100.00	12.44	12.21	75.36	100.00
BF106_QJH01-1_5@1	52.79	0.09	5.00	0.00	10.15	0.02	9.12	16.00	4.66	0.00	97.84	43.68	34.65	21.63	0.05	100.00	10.15	10.46	79.38	100.00
BF106_QJH01-1_6@1	53.36	0.06	6.15	0.00	10.08	0.01	8.18	14.74	5.61	0.00	98.20	43.36	33.47	23.14	0.03	100.00	11.21	14.34	74.45	100.00
BF106_QJH01-1_7@1	53.30	0.07	6.74	0.01	9.50	0.01	8.25	14.74	5.68	0.00	98.31	43.83	34.11	22.05	0.01	100.00	11.10	14.89	74.01	100.00
BF106_QJH01-1_8@1	53.17	0.09	6.00	0.00	9.70	0.01	8.70	15.47	5.26	0.01	98.43	44.00	34.43	21.54	0.03	100.00	11.30	12.47	76.28	100.00
BF106_QJH01-1_9@1	52.82	0.09	5.72	0.00	9.73	0.02	8.51	15.70	4.95	0.00	97.53	44.66	33.70	21.60	0.04	100.00	9.13	13.02	77.84	100.00
QJH01-1OMP (average, n=12)	52.81	0.08	5.96	0.00	9.91	0.01	8.42	15.24	5.24	0.00	97.68	43.91	33.77	22.29	0.03	100.00	10.87	12.93	76.20	100.00
%RSD	0.71	18.46	7.07	150.25	4.00	44.74	5.30	3.45	6.53	235.27	6.99	14.94	6.33	71.74	100.00	5.38	14.99	79.63	100.00	
BF064_QLP08-1_5@1	54.60	0.02	9.47	0.02	5.96	0.01	8.00	12.74	6.74	0.00	97.55	44.66	39.02	16.30	0.01	100.00	5.00	26.45	68.55	100.00
BF064_QLP08-1_6@1	54.95	0.02	9.05	0.02	5.59	0.02	8.38	13.04	6.67	0.00	97.75	44.83	40.12	15.01	0.04	100.00	4.92	25.87	69.22	100.00
BF064_QLP08-1_7@1	54.87	0.03	9.76	0.01	5.37	0.02	8.21	12.58	7.04	0.00	97.89	44.59	40.50	14.86	0.05	100.00	6.35	26.72	66.92	100.00
BF064_QLP08-1_8@1	54.28	0.04	8.69	0.01	5.84	0.00	8.93	13.79	6.23	0.00	97.83	44.80	40.38	14.81	0.01	100.00	6.68	21.91	71.41	100.00
BF064_QLP08-1_9@1	54.80	0.01	10.40	0.02	5.15	0.01	7.89	12.30	7.34	0.00	97.91	45.05	40.21	14.72	0.01	100.00	7.09	27.95	64.96	100.00
BF106_QLP08-1_1@1	54.75	0.03	8.86	0.00	5.65	0.02	9.27	13.94	6.33	0.01	98.87	44.59	41.27	14.10	0.04	100.00	7.71	21.16	71.13	100.00
BF106_QLP08-1_2@1	55.48	0.03	9.41	0.02	5.48	0.00	8.73	13.54	6.67	0.00	99.35	45.18	40.55	14.28	0.00	100.00	5.81	24.58	69.61	100.00
BF106_QLP08-1_3@1	55.07	0.06	9.75	0.02	5.34	0.00	8.78	13.03	7.13	0.00	99.19	44.30	41.54	14.17	0.00	100.00	9.80	23.68	66.61	100.00
BF106_QLP08-1_4@1	54.61	0.04	8.59	0.00	5.94	0.01	9.16	14.04	6.11	0.00	98.55	44.67	40.56	14.74	0.03	100.00	6.38	21.30	72.32	100.00
BF106_QLP08-1_5@1	55.04	0.11	9.64	0.01	6.05	0.02	8.10	12.55	7.26	0.00	98.79	43.95	39.48	16.52	0.05	100.00	8.86	25.45	65.69	100.00
BF106_QLP08-1_7@1	55.11	0.05	9.07	0.01	5.80	0.02	8.78	13.71	6.33	0.00	98.92	45.01	40.09	14.86	0.04	100.00	4.83	23.83	71.34	100.00
BF117_QLP08-1_cpx_1@1	55.27	0.03	9.01	0.00	5.87	0.01	8.73	14.61	6.63	0.00	98.97	44.48	40.29	15.21	0.02	100.00	6.40	23.90	69.71	100.00
BF117_QLP08-1_cpx_2@1	55.47	0.03	8.63	0.00	5.96	0.01	9.24	13.95	6.28	0.01	99.58	44.34	40.85	14.77	0.04	100.00	5.92	22.18	71.90	100.00
BF117_QLP08-1_cpx_3@1	55.08	0.01	9.55	0.00	5.52	0.01	8.77	13.03	6.81	0.00	98.79	44.09	41.28	14.59	0.04	100.00	7.07	24.43	68.50	100.00
BF117_QLP08-1_cpx_4@1	54.95	0.03	8.64	0.01	5.93	0.00	9.11	13.81	6.38	0.00	98.87	44.39	40.74	14.88	0.00	100.00	7.24	21.78	70.98	100.00
BF117_QLP08-1_cpx_5@1	55.24	0.02	9.75	0.01	5.44	0.01	8.72	13.72	6.69	0.01	99.61	45.58	40.29	14.09	0.03	100.00	6.98	23.70	69.33	100.00
QLP08-1OMP (average, n=16)	54.97	0.03	9.27	0.01	5.68	0.01	8.68	13.32	6.66	0.00	98.64	44.66	40.46	14.86	0.03	100.00	6.68	24.03	69.29	100.00
%RSD	0.59	68.93	5.71	75.29	4.82	66.96	5.08	4.30	5.68	140.10	6.32	10.38	5.52	77.78	100.00	5.04	8.74	86.22	100.00	
BF064_UWC3_1@1	52.91	0.11	1.39	0.00	4.38	0.21	15.25	24.64	0.14	0.00	99.04	49.84	42.91	6.91	0.34	100.00				
BF064_UWC3_3@1	52.87	0.09	1.36	0.00	4.26	0.19	15.31	24.67	0.10	0.00	98.86	49.90	43.07	6.73	0.31	100.00				
BF064_UWC3_3@2	52.76	0.09	1.13	0.00	4.21	0.21	15.41	24.66	0.16	0.00	98.64	49.76	43.27	6.64	0.34	100.00				
BF064_UWC3_4@1	52.74	0.09	1.42	0.02	4.38	0.18	15.38	24.55	0.14	0.00	98.90	49.59	43.22	6.91	0.29	100.00				
BF064_UWC3_6@1	52.50	0.08	1.47	0.00	4.31	0.21	15.21	24.68	0.15	0.00	98.61	49.99	42.87	6.81	0.34	100.00				
BF106_UWC3_1@1	53.92	0.04	0.87	0.00	3.92	0.23	16.07	24.80	0.10	0.00	99.95	49.21	44.37	6.07	0.35	100.00				
BF106_UWC3_1@2	53.67	0.03																		

Table S1

BF106_97S121_2@1	53.83	0.14	12.01	0.01	5.01	0.04	8.02	13.61	6.48	0.00	99.16	47.41	38.86	13.63	0.10	100.00	4.67	25.67	69.66	100.00
BF106_97S121_3@1	54.67	0.08	12.50	0.00	4.36	0.00	7.83	12.26	7.24	0.01	98.97	46.16	41.01	12.83	0.00	100.00	4.53	30.02	65.45	100.00
BF106_97S121_4@1	54.63	0.08	12.66	0.00	4.64	0.02	7.14	12.30	7.24	0.00	98.71	47.54	38.41	13.99	0.07	100.00	2.74	31.78	65.48	100.00
BF106_97S121_5@1	54.83	0.09	11.91	0.00	4.60	0.02	8.17	12.90	7.00	0.00	99.54	46.30	40.79	12.87	0.05	100.00	5.08	27.74	67.18	100.00
BF106_97S121_6@1	55.09	0.06	12.27	0.02	4.02	0.00	7.65	12.21	7.25	0.00	98.59	46.97	40.95	12.06	0.01	100.00	2.04	32.19	65.76	100.00
BF106_97S121_7@1	54.92	0.08	12.23	0.02	4.18	0.01	7.57	12.27	7.25	0.00	98.55	47.06	40.38	12.52	0.03	100.00	2.61	31.73	65.66	100.00
97S121IOMP (average, n=7)	54.66	0.09	12.28	0.01	4.47	0.01	7.72	12.59	7.10	0.00	98.93	46.91	40.05	13.00	0.04	100.00	3.78	29.81	66.40	100.00
%RSD	0.74	30.68	2.14	123.26	7.30	80.10	4.31	4.08	4.08	117.53		5.15	7.58	7.21	80.06	100.00	7.06	2.08	90.87	100.00
BF106_GQ01-8_1@1	54.37	0.03	6.88	0.00	8.67	0.00	7.97	13.65	6.43	0.00	98.00	43.33	35.19	21.48	0.00	100.00	10.19	19.53	70.28	100.00
BF106_GQ01-8_2@1	54.43	0.02	6.71	0.00	8.68	0.00	8.49	14.09	6.10	0.00	98.51	43.11	36.17	20.72	0.00	100.00	9.93	17.83	72.25	100.00
BF106_GQ01-8_3@1	54.08	0.05	7.54	0.04	8.13	0.02	7.83	13.05	6.64	0.00	97.39	43.05	35.95	20.95	0.05	100.00	9.98	21.26	68.76	100.00
BF106_GQ01-8_4@1	54.54	0.01	7.00	0.02	7.90	0.00	8.35	14.12	6.43	0.01	98.37	44.26	36.41	19.33	0.00	100.00	10.91	18.74	70.35	100.00
BF106_GQ01-8_5@1	54.32	0.03	7.36	0.00	7.53	0.01	8.62	13.85	6.21	0.01	97.95	43.66	37.81	18.52	0.01	100.00	8.89	19.60	71.51	100.00
BF106_GQ01-8_6@1	54.93	0.03	8.49	0.00	6.97	0.01	8.31	13.45	6.62	0.00	98.80	44.16	37.96	17.85	0.03	100.00	7.89	22.55	69.55	100.00
BF106_GQ01-8_7@1	54.78	0.05	8.47	0.01	6.18	0.00	8.92	13.93	6.29	0.00	98.64	44.70	39.82	15.48	0.00	100.00	6.96	21.66	71.39	100.00
GQ01-8OMP (average, n=7)	54.49	0.03	7.49	0.01	7.72	0.01	8.35	13.73	6.39	0.00	98.23	43.75	37.04	19.20	0.01	100.00	9.24	20.16	70.59	100.00
%RSD	0.53	54.06	9.76	125.15	11.82	148.85	4.47	2.80	3.16	83.96		2.06	4.58	6.79	86.57	100.00				
BF106_NU-ID_1@1	57.39	0.04	25.76	0.00	0.19	0.01	0.02	0.06	14.78	0.01	98.26	24.43	13.83	60.11	1.64	100.00	0.54	99.10	0.36	100.00
BF106_NU-ID_1@2	57.92	0.00	26.15	0.00	0.01	0.00	0.04	0.04	14.81	0.00	98.94	85.37	0.00	14.63	0.00	100.00	0.00	99.82	0.18	100.00
BF106_NU-ID_1@3	57.92	0.02	25.96	0.00	0.01	0.01	0.00	0.01	14.84	0.00	98.77	38.93	0.00	37.99	23.08	100.00	0.00	99.92	0.08	100.00
BF106_NU-ID_2@1	58.18	0.00	25.96	0.00	0.00	0.00	0.11	14.73	0.00	0.00	98.99	97.08	0.00	0.00	2.92	100.00	0.00	99.60	0.40	100.00
BF106_NU-ID_2@2	58.35	0.00	26.01	0.01	0.04	0.00	0.00	0.05	14.77	0.00	99.24	56.70	0.00	41.31	1.99	100.00	0.00	99.70	0.30	100.00
BF106_NU-ID_3@1	58.65	0.00	26.12	0.00	0.02	0.00	0.01	0.07	14.94	0.00	99.82	67.83	12.87	16.04	3.25	100.00	0.00	99.64	0.36	100.00
BF106_NU-ID_3@2	58.10	0.00	25.69	0.00	0.03	0.00	0.01	0.05	14.79	0.00	98.68	58.40	17.88	22.79	0.92	100.00	0.00	99.68	0.32	100.00
NU-ID (average, n=7)	58.07	0.01	25.95	0.00	0.04	0.00	0.01	0.05	14.81	0.00	98.95	54.96	9.00	33.49	2.56	100.00	0.00	99.64	0.36	100.00
%RSD	0.68	180.13	0.66	198.43	155.93	69.78	145.44	54.83	0.45	109.27		12.63	46.62	28.04	12.71	100.00				
BF106_NSH6_1@1	48.93	0.88	9.09	0.00	6.50	0.12	14.55	16.83	1.65	0.00	98.59	39.83	47.93	12.01	0.23	100.00	4.46	2.44	93.10	100.00
BF106_NSH6_1@2	49.17	0.94	8.95	0.01	6.34	0.12	14.67	16.75	1.71	0.01	98.66	39.69	48.37	11.72	0.22	100.00	4.30	2.83	92.87	100.00
BF106_NSH6_1@3	49.24	0.91	8.94	0.00	6.43	0.10	14.78	16.78	1.63	0.00	98.82	39.54	48.45	11.83	0.18	100.00	4.00	2.76	93.24	100.00
BF106_NSH6_2@1	48.79	0.93	8.90	0.02	6.48	0.13	14.69	16.80	1.61	0.01	98.37	39.62	48.22	11.93	0.24	100.00	4.75	1.98	93.26	100.00
BF106_NSH6_2@2	48.88	0.93	9.12	0.01	6.48	0.13	14.90	16.75	1.52	0.00	98.73	39.28	48.63	11.86	0.23	100.00	4.27	2.03	93.70	100.00
BF106_NSH6_2@3	48.92	0.94	8.98	0.02	6.34	0.12	14.59	16.69	1.52	0.01	98.25	39.72	48.30	11.77	0.22	100.00	2.84	3.48	93.68	100.00
NSH6CPX (average, n=6)	48.99	0.92	9.01	0.01	6.43	0.12	14.70	16.77	1.61	0.01	98.55	39.61	48.32	11.85	0.22	100.00	4.10	2.59	93.31	100.00
%RSD	0.36	2.28	1.06	92.53	1.15	8.81	0.82	0.78	4.75	83.90		2.97	12.95	9.58	74.50	100.00	5.25	45.20	49.55	100.00
BF106_NSH9_1@1	49.35	0.87	8.98	0.01	6.47	0.12	14.99	16.32	1.57	0.00	98.70	38.56	49.28	11.93	0.23	100.00	2.98	3.48	93.53	100.00
BF106_NSH9_1@2	49.16	0.89	8.92	0.00	6.51	0.12	14.90	16.25	1.57	0.00	98.35	38.55	49.17	12.06	0.22	100.00	3.09	3.44	93.47	100.00
BF106_NSH9_1@3	49.39	0.88	9.01	0.00	6.50	0.10	14.86	16.29	1.58	0.01	98.89	38.40	49.46	11.96	0.18	100.00	3.35	3.18	93.47	100.00
BF106_NSH9_2@1	48.93	0.85	8.77	0.01	6.42	0.13	14.74	16.42	1.62	0.02	97.93	39.06	48.79	11.91	0.24	100.00	3.88	2.90	93.22	100.00
BF106_NSH9_2@2	49.65	0.88	9.12	0.00	6.42	0.11	14.81	16.33	1.61	0.01	98.96	38.85	49.03	11.91	0.21	100.00	2.05	4.55	93.40	100.00
BF106_NSH9_2@3	49.17	0.87	8.98	0.00	6.45	0.12	15.11	16.40	1.33	0.01	98.46	38.54	49.40	11.84	0.22	100.00	2.00	3.46	94.53	100.00
BF106_NSH9_2@4	49.29	0.84	8.93	0.00	6.52	0.12	14.99	16.26	1.45	0.01	98.42	38.45	49.30	12.04	0.22	100.00	2.19	3.78	94.03	100.00
NSH9CPX (average, n=7)	49.28	0.87	8.96	0.00	6.47	0.12	14.94	16.32	1.53	0.01	98.50	38.63	49.20	11.95	0.22	100.00	2.79	3.54	93.67	100.00
%RSD	0.45	2.09	1.18	135.53	0.69	7.47	0.92	0.40	6.82	79.97		4.90	15.69	6.64	72.76	100.00	2.71	59.25	38.05	100.00
BF117_MB04-8-7B@1	50.05	0.04	0.91	0.01	29.46	0.56	16.36	0.51	0.00	0.00	97.92	1.09	48.74	49.23	0.94	100.00	0.00	0.00	100.00	100.00
BF117_MB04-8-7B@1B	49.89	0.03	0.88	0.00	29.23	0.54	16.05	0.46	0.00	0.00	97.10	1.01	48.50	49.56	0.93	100.00	0.00	0.00	100.00	100.00
BF117_MB04-8-7B@2	50.00	0.07	0.86	0.00	29.79	0.57	16.38	0.50	0.04	0.00	98.20	1.06	48.50	49.48	0.96	100.00				
BF117_MB04-8-7B@3	49.86	0.04	0.79	0.01	29.67	0.53	15.90	0.45	0.00	0.00	97.26	0.98	47.93	50.18	0.90	100.00	0.00	0.00	100.00	100.00
BF117_MB04-8-7B@4	49.82	0.06	0.90	0.00	29.88	0.53	16.22	0.48	0.00	0.00	97.88	1.02	48.24	49.84	0.90	100.00				
BF117_MB04-8-7C@1	49.53	0.04	0.97	0.00	30.34	0.91	15.16	0.61	0.00	0.00	97.56	1.32	45.75	51.37	1.56	100.00	0.00	0.00	100.00	100.00
BF117_MB04-8-7C@2	49.35	0.06	1.20	0.01	30.66	0.92	14.97	0.55	0.00	0.00	97.72	1.19	45.25	51.99	1.57	100.00	0.00	0.00	100.00	100.00
BF117_MB04-8-7C@3	49.46	0.03	1.20	0.00	30.25	0.91	15.05	0.65	0.01	0.00	97.56	1.42	45.59	51.42	1.56	100.00	0.00	0.03	99.97	100.00
BF117_MB04-8-7C@4	49.54	0.06	1.03	0.00	30.37	0.93	14.98	0.52	0.00	0.00	97.43	1.14	45.51	51.75	1.60	100.00	0.00	0.00	100.00	100.00
BF117_MB04-8-7C@5	49.25	0.05	1.06	0.00	30.29	0.91	14.87	0.58	0.00	0.00	97.01	1.26	45.34	51.81	1.58	100.00	0.00	0.00	100.00	100.00
BF117_MB04-8-7C@6	49.29	0.04	0.97	0.01	30.56	0.92	14.86	0.49	0.04	0.00	97.19	1.08	45.18	52.15	1.59	100.00	0.00	0.14	99.86	100.00
BF117_MB04-8-7C@7	49.09	0.04	1.10	0.00	30.57	0.94	15.03	0.48	0.05	0.00	97.30	1.04	45.46	51.89	1.61	100.00				
MB04-8OPX (average, n=12)	49.59	0.05	0.99	0.00	30.09	0.76	15.49	0.52	0.01	0.00	97.51	1.13	46.68	50.88	1.31	100.00	0.00	0.04	99.96	100.00
%RSD	0.65	23.49	13.38	134.93	1.56	25.20	4.09	11.81	172.05	233.55		30.55	14.73	3.16	51.56	100.00	0.35	88.92	10.73	100.00
BF132_1594_1@1	50.04	0.06	1.03	0.00	15.28	0.71	8.23	21.52	1.18	0.00	98.07	47.34	25.19	26.23	1.24	100.00				
BF132_1594_2@1	48.55	0.15	2.09	0.00	16.25	0.65	7.32</													

Table S1

BF270_#KT4_1@1	49.55	0.00	0.14	0.00	16.31	0.61	6.94	23.93	0.09	0.00	97.59	51.13	20.64	27.20	1.03	100.00				
BF270_#KT4_1@2	51.54	0.00	0.14	0.00	14.45	0.65	8.47	24.49	0.13	0.00	99.89	50.94	24.53	23.46	1.07	100.00				
BF270_#KT4_16@1	50.77	0.00	0.14	0.00	16.91	0.87	6.87	24.28	0.00	0.00	99.85	50.87	20.03	27.65	1.45	100.00				
BF270_#KT4_16@2	51.27	0.00	0.11	0.01	14.41	0.99	8.36	24.45	0.05	0.00	99.66	50.82	24.17	23.38	1.63	100.00				
BF270_#KT4_18@1	51.32	0.01	0.46	0.00	14.13	0.79	8.46	24.35	0.04	0.00	99.56	50.97	24.64	23.08	1.31	100.00	0.02	0.14	99.84	100.00
BF270_#KT4_18@2	50.51	0.00	0.34	0.00	13.90	0.86	8.63	24.13	0.08	0.00	98.46	50.62	25.19	22.76	1.43	100.00				
BF270_#KT4_25@1	51.44	0.00	0.18	0.00	14.87	0.70	8.10	24.42	0.07	0.00	99.78	51.03	23.55	24.26	1.16	100.00	0.20	0.07	99.73	100.00
BF270_#KT4_25@2	50.80	0.00	0.13	0.00	15.69	0.62	7.69	24.21	0.01	0.00	99.38	51.03	22.34	25.59	1.03	100.00				
BF270_#KT4_4@1	50.20	0.00	0.09	0.00	18.00	0.99	6.02	23.98	0.10	0.00	99.40	50.82	17.76	29.77	1.66	100.00				
BF270_#KT4_4@2	50.99	0.00	0.19	0.00	13.98	1.15	8.28	24.43	0.06	0.00	99.09	51.14	24.11	22.85	1.90	100.00				
KT4CPX (average, n=10)	50.84	0.00	0.19	0.00	15.26	0.82	7.78	24.29	0.06	0.00	99.25	50.94	22.71	24.99	1.37	100.00				
%RSD	1.22	189.22	60.99	316.23	9.22	22.06	11.30	0.83	62.29	253.86		2.02	38.17	17.47	42.34	100.00	4.90	71.92	23.17	100.00
<b>Session-251224</b>																				
BF274_02QL2OMP_2.1	55.42	0.04	15.53	0.00	6.48	0.02	3.85	6.21	10.21	0.01	97.79	37.30	32.20	30.39	0.10	100.00	5.62	49.96	44.42	100.00
BF274_02QL2OMP_3.1	55.07	0.05	15.01	0.02	6.68	0.02	3.84	6.67	9.81	0.01	97.19	38.68	30.95	30.26	0.11	100.00	3.91	48.81	47.28	100.00
BF274_02QL2OMP_4.1	55.01	0.04	15.52	0.00	6.64	0.03	3.50	5.97	10.47	0.01	97.19	37.23	30.31	32.32	0.13	100.00	7.97	50.49	41.54	100.00
BF274_02QL2OMP_5.1	55.57	0.04	15.28	0.00	6.71	0.01	3.82	6.19	10.32	0.00	97.94	36.95	31.74	31.26	0.05	100.00	6.66	49.55	43.79	100.00
BF274_02QL2OMP_6.1	55.40	0.03	15.54	0.00	6.54	0.01	3.89	6.20	10.25	0.00	97.87	37.08	32.35	30.52	0.05	100.00	6.33	49.59	44.08	100.00
BF274_02QL2OMP_7.1	54.93	0.04	15.59	0.00	6.58	0.01	3.74	6.30	9.99	0.01	97.21	37.86	31.23	30.86	0.05	100.00	4.65	49.83	45.52	100.00
BF274_02QL2OMP_9.1	55.05	0.06	14.17	0.00	7.33	0.04	4.48	7.49	9.87	0.01	98.50	38.46	31.98	29.40	0.15	100.00	11.32	41.94	46.74	100.00
BF274_02QL2OMP_10.1	55.06	0.05	15.05	0.00	6.74	0.03	4.04	6.50	10.15	0.00	97.63	37.36	32.28	30.24	0.12	100.00	8.19	47.37	44.44	100.00
BF274_02QL2OMP_11.1	55.23	0.04	15.74	0.00	6.51	0.01	3.55	6.22	10.09	0.01	97.42	38.28	30.41	31.26	0.05	100.00	3.58	51.23	45.19	100.00
BF274_02QL2OMP_12.1	55.65	0.01	15.42	0.00	6.84	0.03	3.72	5.99	10.47	0.00	98.14	36.23	31.32	32.30	0.15	100.00	7.51	49.92	42.57	100.00
BF274_02QL2OMP_12.2	55.25	0.06	15.86	0.00	6.77	0.02	3.50	5.89	10.23	0.00	97.57	36.68	30.33	32.87	0.11	100.00	4.42	51.48	44.11	100.00
BF274_02QL2OMP_12.3	55.00	0.02	15.27	0.00	6.80	0.02	3.86	6.08	10.34	0.00	97.41	36.23	32.04	31.65	0.08	100.00	8.76	48.58	42.66	100.00
BF274_02QL2OMP_13.1	55.13	0.03	14.91	0.01	6.77	0.03	3.96	7.06	9.88	0.00	97.80	39.48	30.85	29.56	0.11	100.00	6.51	46.75	46.74	100.00
BF274_02QL2OMP_14.1	55.23	0.03	15.28	0.00	6.59	0.01	3.84	6.33	10.14	0.00	97.44	37.63	31.73	30.57	0.07	100.00	5.87	49.35	44.78	100.00
BF274_02QL2OMP_14.2	55.22	0.03	15.55	0.01	6.74	0.03	3.85	6.26	10.22	0.01	98.22	37.03	31.68	31.15	0.13	100.00	6.17	49.31	44.52	100.00
BF274_02QL2OMP_15.1	54.29	0.04	15.29	0.00	6.88	0.03	3.69	6.25	10.00	0.01	96.47	37.26	30.60	32.01	0.13	100.00	7.03	48.54	44.44	100.00
BF274_02QL2OMP_15.2	55.32	0.03	15.43	0.00	6.74	0.02	3.71	6.18	10.17	0.01	97.63	37.16	31.08	31.67	0.10	100.00	5.47	49.96	44.57	100.00
BF274_02QL2OMP_17.1	55.41	0.04	15.91	0.00	6.60	0.01	3.14	5.73	10.19	0.01	97.03	37.55	28.64	33.77	0.04	100.00	1.20	54.18	44.62	100.00
BF274_02QL2OMP_17.2	55.09	0.05	16.01	0.00	6.48	0.01	3.29	5.74	10.76	0.00	97.45	37.31	29.76	32.88	0.06	100.00	9.06	51.87	39.07	100.00
BF274_02QL2OMP_21.1	54.95	0.04	15.30	0.00	6.59	0.03	3.73	6.27	10.04	0.01	96.96	37.69	31.24	30.95	0.12	100.00	4.96	49.83	45.21	100.00
BF274_02QL2OMP_24.1	55.11	0.04	15.30	0.02	6.79	0.02	3.73	6.26	10.05	0.01	97.34	37.32	30.95	31.61	0.11	100.00	5.12	49.59	45.28	100.00
BF274_02QL2OMP_25.1	55.02	0.04	15.28	0.00	6.86	0.01	3.63	6.20	10.23	0.00	97.27	37.31	30.39	32.23	0.07	100.00	6.85	49.46	43.69	100.00
BF274_02QL2OMP_26.1	55.14	0.04	16.07	0.00	6.56	0.03	3.44	6.03	10.31	0.01	97.64	37.77	30.01	32.08	0.14	100.00	5.47	51.37	43.17	100.00
BF274_02QL2OMP_28.1	55.09	0.03	15.57	0.00	6.51	0.03	3.65	6.13	10.03	0.01	97.24	38.27	30.80	30.80	0.13	100.00	4.12	50.42	45.45	100.00
BF274_02QL2OMP_28.2	55.73	0.03	15.93	0.00	6.51	0.02	3.50	6.10	10.36	0.00	98.19	37.95	30.34	31.63	0.07	100.00	4.63	51.72	43.65	100.00
BF274_02QL2OMP_29.1	55.04	0.06	14.98	0.00	6.65	0.01	4.08	6.49	10.21	0.01	97.52	37.35	32.71	29.88	0.06	100.00	8.84	47.26	43.91	100.00
BF274_02QL2OMP_30.1	56.12	0.03	15.59	0.01	6.78	0.03	3.49	6.09	10.47	0.01	98.62	37.49	29.84	32.55	0.12	100.00	5.32	51.38	43.30	100.00
BF274_02QL2OMP_31.1	55.00	0.05	15.49	0.01	6.65	0.03	3.56	6.23	9.97	0.00	97.00	37.99	30.22	31.67	0.12	100.00	3.32	50.80	45.88	100.00
BF274_02QL2OMP_32.1	55.64	0.03	15.70	0.00	6.59	0.01	3.61	6.14	10.66	0.00	98.39	37.63	30.82	31.50	0.05	100.00	8.96	50.06	40.99	100.00
BF274_02QL2OMP_34.1	55.44	0.01	15.39	0.00	6.55	0.02	3.82	6.24	10.16	0.01	97.63	37.40	31.86	30.65	0.09	100.00	5.18	49.99	44.83	100.00
02QL2OMP (average, n=30)	55.23	0.04	15.43	0.00	6.68	0.02	3.72	6.25	10.20	0.01	97.58	37.54	31.05	31.31	0.10	100.00	6.09	49.68	44.23	100.00
%RSD	0.60	31.21	2.47	192.39	2.56	38.30	6.83	5.52	2.16	75.87		11.67	20.09	4.23	64.00	100.00	4.07	3.89	92.04	100.00
BF274_25LZY02_1.1	46.02	0.00	0.04	0.00	1.48	43.07	0.49	8.74	0.00	0.00	99.85	19.58	1.51	2.59	76.31	100.00				
BF274_25LZY02_1.2	45.89	0.00	0.06	0.00	1.59	42.87	0.51	8.30	0.01	0.00	99.24	18.81	1.59	2.82	76.78	100.00				
BF274_25LZY02_1.3	45.22	0.00	0.01	0.00	1.36	43.32	0.47	8.77	0.02	0.00	99.18	19.61	1.46	2.36	76.57	100.00				
BF274_25LZY02_1.4	45.95	0.00	0.02	0.00	1.86	42.77	0.57	8.87	0.01	0.01	100.06	19.74	1.76	3.23	75.27	100.00				
BF274_25LZY02_2.1	46.62	0.00	0.03	0.00	1.57	42.82	0.49	8.90	0.06	0.01	100.51	19.93	1.51	2.75	75.81	100.00				
BF274_25LZY02_2.2	46.41	0.00	0.00	0.00	1.65	42.87	0.44	9.02	0.00	0.00	100.39	20.12	1.37	2.87	75.64	100.00				
BF274_25LZY02_2.3	46.05	0.00	0.02	0.00	1.13	43.72	0.43	8.68	0.02	0.00	100.05	19.40	1.35	1.97	77.28	100.00				
BF274_25LZY02_2.4	46.14	0.00	0.00	0.00	1.11	43.62	0.47	8.77	0.00	0.00	100.12	19.59	1.47	1.93	77.01	100.00				
BF274_25LZY02_2.5	45.79	0.00	0.01	0.00	1.40	43.28	0.38	8.56	0.02	0.00	99.45	19.28	1.19	2.46	77.07	100.00				
BF274_25LZY02_2.6	46.26	0.00	0.00	0.00	1.86	42.51	0.52	8.93	0.00	0.01	100.09	19.97	1.60	3.25	75.18	100.00				
BF274_25LZY02_3.1	46.46	0.00	0.02	0.00	1.96	42.96	0.50	8.89	0.04	0.00	100.83	19.72	1.55	3.39	75.35	100.00				
BF274_25LZY02_3.2	45.74	0.00	0.06	0.00	1.56	43.38	0.40	8.71	0.00	0.00	99.86	19.45	1.25	2.71	76.58	100.00				
BF274_25LZY02_3.3	45.98	0.00	0.09	0.00	2.03	43.01	0.52	8.65	0.01	0.01	100.33	19.23	1.59	3.53	75.64	100.00				
BF274_25LZY02_3.4	46.64	0.00	0.01	0.00	1.42	42.88	0.59	9.22	0.00	0.01	100.78	20.46	1.83	2.45	75.25	100.00				
BF274_25LZY02_3.5	46.09	0.00	0.02	0.00	1.71	43.03	0.55	8.62	0.03	0.00	100.05	19.26	1.71	2.98	76.04	100.00				
BF274_25LZY02_3.6	46.51	0.00	0.00	0.00	1.36	43.26	0.72	8.98												

Table S1

BF274_K3-20-10_15.2	65.03	0.00	27.41	0.00	0.15	0.06	0.02	0.00	0.14	0.02	92.82	0.00	11.45	62.09	26.46	100.00	0.00	57.81	42.19	100.00
BF274_K3-20-10_18.1	64.92	0.00	27.37	0.00	0.21	0.06	0.00	0.00	0.20	0.01	92.77	0.00	0.00	76.52	23.48	100.00	0.00	62.69	37.31	100.00
BF274_K3-20-10_21.1	68.14	0.00	24.16	0.00	0.03	0.02	0.01	0.00	0.11	0.00	92.48	0.00	33.18	38.55	28.27	100.00	0.00	77.06	22.94	100.00
BF274_K3-20-10_23.1	65.35	0.00	27.66	0.00	0.03	0.05	0.00	0.00	0.17	0.01	93.26	0.00	8.73	35.49	55.78	100.00	0.00	82.83	17.17	100.00
BF274_K3-20-10_23.2	65.06	0.00	27.77	0.00	0.00	0.04	0.00	0.01	0.13	0.01	93.04	13.95	0.00	0.00	86.05	100.00	0.00	86.60	13.40	100.00
BF274_K3-20-10_27.1	65.36	0.00	27.53	0.00	0.01	0.03	0.00	0.00	0.12	0.01	93.08	10.55	0.00	18.53	70.91	100.00	0.00	84.93	15.07	100.00
BF274_K3-20-10_29.1	64.97	0.00	27.11	0.00	0.00	0.05	0.00	0.00	0.09	0.01	92.23	0.00	0.00	6.18	93.82	100.00	0.00	81.61	18.39	100.00
BF274_K3-20-10_30.1	64.84	0.00	27.45	0.00	0.16	0.03	0.00	0.00	0.09	0.01	92.60	0.00	0.00	83.07	16.93	100.00	0.00	51.88	48.12	100.00
BF274_K3-20-10_31.1	65.30	0.00	27.46	0.00	0.04	0.03	0.00	0.00	0.14	0.01	93.00	1.74	0.00	52.91	45.35	100.00	0.00	81.49	18.51	100.00
BF274_K3-20-10_32.1	65.23	0.00	27.29	0.00	0.02	0.02	0.00	0.00	0.04	0.01	92.61	5.11	10.66	41.85	42.39	100.00	0.00	64.31	35.69	100.00
BF274_K3-20-10_33.1	65.37	0.00	27.53	0.00	0.04	0.03	0.00	0.01	0.09	0.00	93.08	11.45	0.00	51.06	37.49	100.00	0.00	73.35	26.65	100.00
BF274_K3-20-10_34.1	65.20	0.00	27.60	0.00	0.03	0.03	0.01	0.00	0.09	0.01	92.97	0.00	22.15	34.51	43.34	100.00	0.00	74.85	25.15	100.00
BF274_K3-20-10_35.1	64.95	0.00	27.72	0.00	0.02	0.02	0.00	0.00	0.17	0.00	92.90	8.07	7.48	44.07	40.38	100.00	0.00	89.21	10.79	100.00
K3-20-10SPD (average, n=19)	65.23	0.00	27.26	0.00	0.05	0.03	0.00	0.00	0.12	0.01	92.70	3.08	6.70	55.19	35.03	100.00	0.00	75.14	24.86	100.00
%RSD	1.18	151.23	2.89	254.88	130.95	49.44	159.63	110.60	33.93	70.18		23.33	46.86	21.56	8.25	100.00				
BF274_NIU-JD_1.1	56.66	0.00	25.30	0.00	0.10	0.02	0.04	0.02	14.60	0.01	96.77	12.99	32.05	47.02	7.94	100.00	0.30	99.36	0.34	100.00
BF274_NIU-JD_1.2	57.48	0.01	25.64	0.00	0.19	0.03	0.00	0.03	15.03	0.02	98.42	16.63	0.00	71.00	12.37	100.00	0.53	99.25	0.22	100.00
BF274_NIU-JD_1.3	57.31	0.00	25.17	0.00	0.21	0.05	0.01	0.08	14.74	0.00	97.58	26.79	6.44	53.96	12.81	100.00	0.61	98.87	0.52	100.00
BF274_NIU-JD_2.1	56.65	0.01	25.11	0.00	0.07	0.01	0.00	0.06	14.50	0.01	96.44	48.55	0.00	46.89	4.55	100.00	0.00	99.54	0.46	100.00
BF274_NIU-JD_2.3	56.61	0.00	25.51	0.00	0.01	0.01	0.01	0.11	14.15	0.00	96.42	80.55	9.92	3.89	5.64	100.00	0.00	99.46	0.54	100.00
BF274_NIU-JD_3.1	56.92	0.03	25.42	0.00	0.08	0.00	0.03	0.03	14.24	0.01	96.77	24.54	28.12	45.06	2.28	100.00	0.00	99.47	0.53	100.00
BF274_NIU-JD_3.2	57.82	0.00	25.50	0.00	0.07	0.01	0.00	0.02	14.78	0.00	98.20	19.99	0.00	67.00	13.01	100.00	0.00	99.68	0.32	100.00
BF274_NIU-JD_3.3	57.12	0.01	25.51	0.00	0.03	0.03	0.00	0.07	14.50	0.00	97.28	58.73	0.00	18.06	23.21	100.00	0.00	99.57	0.43	100.00
BF274_NIU-JD_4.1	57.06	0.00	25.51	0.00	0.05	0.01	0.00	0.10	14.22	0.00	96.96	69.23	0.00	26.16	4.61	100.00	0.00	99.47	0.53	100.00
NIU-JD (average, n=9)	57.07	0.01	25.41	0.00	0.09	0.02	0.01	0.06	14.53	0.01	97.20	36.92	8.97	44.36	9.75	100.00	0.00	99.41	0.59	100.00
%RSD	0.73	150.07	0.69	300.00	76.43	78.95	143.36	58.32	2.00	105.11		15.35	52.51	15.71	16.43	100.00				
BF274_QJH01-1_2.1	52.55	0.08	5.66	0.00	11.56	0.02	8.01	14.88	5.24	0.00	98.01	42.44	31.79	25.73	0.04	100.00	12.36	11.54	76.10	100.00
BF274_QJH01-1_3.1	52.37	0.07	5.18	0.00	10.87	0.02	8.90	15.87	4.82	0.02	98.11	43.18	33.70	23.08	0.04	100.00	13.20	8.52	78.28	100.00
BF274_QJH01-1_4.1	52.08	0.09	5.36	0.01	10.62	0.02	8.84	15.90	5.05	0.01	97.99	43.56	33.69	22.71	0.04	100.00	15.47	7.66	76.87	100.00
BF274_QJH01-1_7.1	52.54	0.10	5.76	0.01	11.56	0.01	8.11	14.74	5.54	0.00	98.35	42.05	32.19	25.74	0.02	100.00	15.33	10.33	74.34	100.00
BF274_QJH01-1_7.2	52.62	0.05	5.61	0.00	11.26	0.02	8.51	15.20	5.26	0.00	98.54	42.41	33.04	24.52	0.04	100.00	14.44	9.57	75.99	100.00
BF274_QJH01-1_10.1	52.60	0.09	5.29	0.01	10.02	0.01	7.86	14.14	5.81	0.01	97.84	42.98	33.23	23.77	0.02	100.00	12.42	14.79	72.78	100.00
BF274_QJH01-1_11.1	52.26	0.07	7.82	0.00	11.54	0.04	7.79	14.67	5.53	0.02	97.75	42.45	31.39	26.08	0.09	100.00	14.93	10.88	74.19	100.00
BF274_QJH01-1_12.1	52.29	0.06	5.49	0.01	10.63	0.02	8.52	15.70	4.73	0.01	97.47	43.78	33.05	23.13	0.04	100.00	10.39	10.89	78.72	100.00
BF274_QJH01-1_13.1	51.93	0.08	5.62	0.00	10.68	0.01	8.92	15.67	4.88	0.00	97.79	43.01	34.07	22.89	0.02	100.00	14.01	8.22	77.77	100.00
BF274_QJH01-1_14.1	52.65	0.09	6.10	0.01	10.55	0.04	8.26	15.19	5.25	0.00	98.15	43.47	32.88	23.55	0.09	100.00	11.95	11.99	76.07	100.00
QJH01-10MP (average, n=10)	52.39	0.09	5.79	0.00	10.93	0.02	8.37	15.19	5.21	0.01	97.99	42.94	32.91	24.10	0.04	100.00	13.44	10.43	76.13	100.00
%RSD	0.47	19.70	10.08	102.44	4.82	57.17	5.11	3.88	6.68	107.49		6.47	11.87	6.27	75.39	100.00	5.51	12.19	82.30	100.00
Average calculated from multiple sessions																				
<b>Opx</b>																				
06IY31OPX	55.98	0.08	3.39	0.52	6.16	0.13	33.27	0.81	0.08	0.00	100.42	1.56	88.99	9.25	0.20	100.00				
06IY34OPX	56.37	0.08	2.97	0.54	5.27	0.13	34.08	0.69	0.12	0.00	100.26	1.33	90.62	7.86	0.19	100.00				
97M43OPX	49.92	0.12	5.15	0.24	21.77	0.22	20.93	0.05	0.01	0.00	98.41	0.12	62.85	36.66	0.37	100.00				
97M44OPX	50.18	0.10	5.64	0.20	20.41	0.14	21.88	0.06	0.01	0.00	98.62	0.12	65.42	34.23	0.24	100.00				
MB04-8OPX	49.76	0.05	0.93	0.01	30.64	0.86	15.39	0.62	0.01	0.00	98.27	1.33	45.93	51.28	1.46	100.00				
MB05-2OPX	50.55	0.08	1.21	0.04	28.60	0.59	17.01	0.59	0.01	0.00	98.69	1.26	50.30	47.46	0.98	100.00				
NRM-EN2	56.85	0.01	1.00	0.47	7.69	0.18	33.13	0.47	0.00	0.00	99.81	0.89	87.46	11.39	0.26	100.00				
<b>Cpx1</b>																				
06IY31CPX	52.79	0.28	4.63	1.11	2.88	0.08	16.41	20.31	1.10	0.00	99.61	44.68	50.23	4.95	0.14	100.00	0.00	4.20	95.80	100.00
13N0124CPX	55.74	0.04	1.62	0.31	2.09	0.03	16.52	23.08	0.91	0.00	100.33	48.37	48.16	3.41	0.05	100.00	0.00	3.35	96.65	100.00
1594CPX	50.59	0.09	1.75	0.00	15.99	0.72	7.80	21.34	1.43	0.00	99.72	47.16	23.99	27.59	1.26	100.00				
1884HD	48.26	0.02	0.41	0.00	24.22	3.08	1.09	22.33	0.20	0.00	99.62	49.42	3.34	41.85	5.39	100.00				
22779HD (A & B)	47.92	0.01	0.53	0.00	20.64	7.43	0.80	21.92	0.03	0.00	99.28	48.69	2.48	35.79	13.05	100.00				
24516HD	48.19	0.00	0.21	0.00	21.87	6.28	0.32	22.53	0.03	0.00	99.43	50.05	1.00	37.92	11.03	100.00				
25LZY02RDN	46.09	0.00	0.02	0.00	2.31	42.44	0.53	8.73	0.02	0.00	100.16	19.48	1.66	4.01	74.85	100.00				
2C42CPX	54.43	0.10	1.58	1.05	2.00	0.05	16.77	22.74	0.80	0.00	99.52	47.69	48.94	3.28	0.09	100.00	0.00	2.95	97.05	100.00
2C47-2CPX	55.17	0.08	1.44	0.90	2.65	0.05	16.24	22.69	0.94	0.00	100.17	47.87	47.67	4.37	0.09	100.00	0.00	3.46	96.54	100.00
37087HD	49.68	0.06	0.54	0.00	20.88	1.20	4.48	22.93	0.12	0.00	99.91	49.40	13.44	35.11	2.04	100.00				
95AK24 (or UWC3CPX) Diopside	53.49	0.09	1.13	0.00	4.29	0.21	15.43	24.61	0.12	0.00	99.37	49.62	43.30	6.75	0.34	100.00	0.06	0.36	99.58	100.00
97S167CPX	55.25	0.05	1.31	0.09	1.85	0.01	16.76	24.61	0.52	0.01	100.46	49.8								