

## **SUPPLEMENTARY INFORMATION**

for

**Weinberg, M., Schut, G. J. , Brehm, S. D., Datta, S. and Adams, M. W. W. (2004)  
“Cold Shock of a Hyperthermophilic Archaeon: *Pyrococcus Furiosus* Exhibits  
Multiple Responses to a Sub-Optimal Growth Temperature with a Key Role for  
Membrane-Bound Glycoproteins” (submitted 06/29/04, revised version submitted  
08/31/04)**

The following information is available at <http://adams.bmb.uga.edu/pubs/sup252.pdf> and  
this website is cited in the journal article.

**Table S1. The 2065 ORFs in the *Pyrococcus furiosus* genome used for the adapted  
experiments and their changes in signal intensity.** For each ORF, the  $\log_2$  value is the  
ratio of the average signal intensities in cells grown at 72°C versus 95°C (72/95). A P-  
value <0.01 is taken to represent a statistical difference between the intensity values  
under the two growth conditions. Blank fields for the  $\log_2$  ratio indicate that no  
significant signal (<2000 fluorescent units) was observed for that ORF under either  
condition. Table S1 is given on pages 3-17.

**Table S2. The 2065 *P. furiosus* ORFs used for the kinetic experiments of the DNA  
microarray cold shock study with the changes in signal intensities.** For each ORF, the  
 $\log_2$  value is the ratio of the average signal intensities in cells harvested at the indicated  
time after a culture growing at 95°C was shocked at 72°C (for 1, 2 or 5 hours) versus the  
pre-shock condition at 95°C (0 hr). A P-value <0.01 is taken to represent a statistical

difference between the intensity values under the indicated growth conditions. Blank fields for the  $\log_2$  ratio indicate that no significant signal (<2000 fluorescent units) was observed for that ORF under either condition. Table S2 is given on pages 18-61.

**Table S1.**

GeneMate ORF Number	log <sub>2</sub> ratio (72/95)	P-value	GeneMate ORF Number	log <sub>2</sub> ratio (72/95)	P-value	GeneMate ORF Number	log <sub>2</sub> ratio (72/95)	P-value
PF0001	-0.78	1.00	PF0690	-0.11	1.00	PF1378	0.54	1.00
PF0002	-1.15	0.00	PF0691	-0.01	1.00	PF1379	-0.28	1.00
PF0003	-1.02	0.00	PF0692	-0.03	1.00	PF1380	-0.48	1.00
PF0004	-0.88	0.00	PF0693	0.11	1.00	PF1381	-0.76	1.00
PF0005	-1.41	0.00	PF0694	0.26	0.23	PF1382	-0.37	1.00
PF0006	0.32	1.00	PF0695	0.39	0.08	PF1383	-0.98	0.00
PF0007	-1.09	0.00	PF0696	0.47	0.04	PF1384	-1.31	0.00
PF0008	-0.89	0.00	PF0697		1.00	PF1385	-1.27	0.00
PF0009	-0.77	0.00	PF0698		1.00	PF1386	-0.15	1.00
PF0010	-0.39	1.00	PF0699		1.00	PF1387	-0.33	0.32
PF0011	-1.04	0.00	PF0700		1.00	PF1388	0.05	1.00
PF0012	-0.25	1.00	PF0701		1.00	PF1389	-1.25	0.00
PF0013	-0.74	0.00	PF0702		1.00	PF1390	-2.91	0.00
PF0014	0.95	0.00	PF0703	-0.05	1.00	PF1391	-0.43	0.19
PF0015	0.91	0.00	PF0704	-0.28	1.00	PF1392	-0.97	0.00
PF0016	0.24	1.00	PF0705	-0.29	0.32	PF1393	-0.55	0.10
PF0017	0.17	1.00	PF0706	-0.06	1.00	PF1394	-0.71	0.00
PF0018	-0.32	1.00	PF0707	-1.27	0.00	PF1395	-0.23	1.00
PF0019	0.09	1.00	PF0708	1.55	0.00	PF1396	-0.48	0.01
PF0020	-0.35	0.21	PF0709	1.89	0.00	PF1397	-1.02	0.00
PF0021	-0.13	1.00	PF0710	2.43	0.02	PF1398	-0.72	0.06
PF0022	0.02	1.00	PF0711		1.00	PF1399	0.33	0.31
PF0023	1.11	0.00	PF0712	0.35	1.00	PF1400	-1.18	0.00
PF0024	-0.87	0.00	PF0713	0.19	1.00	PF1401	-0.65	0.00
PF0025	0.29	1.00	PF0714		1.00	PF1402	-1.67	0.00
PF0026	0.05	1.00	PF0715	-0.51	1.00	PF1403	-1.71	0.00
PF0027	-1.24	0.00	PF0716	0.73	0.05	PF1404	-0.93	0.00
PF0028	-0.42	1.00	PF0717	-0.67	0.02	PF1405	-1.26	0.01
PF0029	-0.50	0.10	PF0718	1.98	0.00	PF1406	-0.88	0.01
PF0030	0.23	1.00	PF0719	2.47	0.00	PF1407	0.16	1.00
PF0031	0.82	0.01	PF0720		0.01	PF1408	2.24	0.00
PF0032	-1.18	0.00	PF0721	-0.11	1.00	PF1409	-0.70	0.00
PF0033		1.00	PF0722	-1.31	0.00	PF1410	-0.70	0.00
PF0034		1.00	PF0723	-1.04	0.00	PF1411	-0.61	0.00
PF0035	-0.69	0.00	PF0724	0.50	0.28	PF1412	-0.96	0.00
PF0036	0.07	1.00	PF0725	0.55	0.04	PF1413	1.04	0.06
PF0037	-1.26	0.01	PF0726	0.58	0.09	PF1414	-0.76	0.15
PF0038	-1.47	0.00	PF0727	2.14	0.00	PF1415	-0.62	0.00
PF0039	-0.52	0.00	PF0728	-0.21	1.00	PF1416		1.00
PF0040	-0.42	1.00	PF0729	0.20	1.00	PF1417		1.00
PF0041	-1.17	0.00	PF0730	0.15	1.00	PF1418	1.55	0.00
PF0042	-1.32	0.00	PF0731		1.00	PF1419	-0.18	1.00
PF0043	0.24	0.97	PF0732	-0.21	1.00	PF1420		1.00

PF0044	-0.38	1.00
PF0045	0.07	1.00
PF0046	0.58	0.04
PF0047	0.41	1.00
PF0048	-0.16	1.00
PF0049	-0.88	0.00
PF0050	-0.78	0.02
PF0051	-1.33	0.00
PF0052	-1.24	0.00
PF0053	-1.19	0.00
PF0054	-0.60	0.04
PF0055	-1.05	0.00
PF0056	-0.78	0.00
PF0057	0.09	1.00
PF0058	-0.77	0.00
PF0059	-0.17	1.00
PF0060	-0.49	0.06
PF0061	-0.51	1.00
PF0062	0.45	1.00
PF0063	0.92	0.00
PF0064	-2.09	0.00
PF0065	0.78	0.00
PF0066		1.00
PF0067	-0.26	1.00
PF0068	-0.88	0.00
PF0069	-1.19	0.00
PF0070	-1.18	0.00
PF0071	-0.71	0.01
PF0072	1.19	0.00
PF0073	-1.20	0.00
PF0074	0.57	1.00
PF0075		1.00
PF0076	0.21	1.00
PF0077	-0.09	1.00
PF0078	-0.54	0.01
PF0079	-0.29	1.00
PF0080	-0.29	1.00
PF0081	-0.70	0.02
PF0082	-1.70	0.00
PF0083	0.17	1.00
PF0084		1.00
PF0085	-0.65	1.00
PF0086	-0.25	1.00
PF0087	-0.74	0.00
PF0088	-0.51	0.37
PF0089	-0.16	1.00
PF0090	-2.03	0.00
PF0091	0.33	1.00

PF0733	-0.78	0.00
PF0734	-0.05	1.00
PF0735	-0.46	0.44
PF0736	-0.48	0.29
PF0737		1.00
PF0738	0.39	1.00
PF0739	-1.32	0.00
PF0740	-0.12	1.00
PF0741	0.69	1.00
PF0742	0.45	1.00
PF0743	-0.95	0.62
PF0744	-0.58	1.00
PF0745	0.95	0.00
PF0746	-0.37	1.00
PF0747	-0.58	0.04
PF0748		1.00
PF0749		1.00
PF0750	-0.14	1.00
PF0751	-0.42	0.11
PF0752	-1.42	0.00
PF0753	-1.09	0.01
PF0754	-0.96	0.00
PF0755	-0.64	0.08
PF0756		1.00
PF0757	-1.20	0.03
PF0758	-1.64	0.00
PF0759	0.52	1.00
PF0760	0.36	1.00
PF0761	-0.09	1.00
PF0762	-0.95	1.00
PF0763	-1.20	1.00
PF0764		1.00
PF0765	-0.23	1.00
PF0766	-0.30	1.00
PF0767	-0.34	0.00
PF0768	-0.61	0.00
PF0769	-0.72	1.00
PF0770	-0.89	0.00
PF0771	-0.40	1.00
PF0772	0.03	1.00
PF0773		1.00
PF0774		1.00
PF0775	-0.77	0.07
PF0776	0.26	1.00
PF0777	-0.58	0.00
PF0778	-0.43	1.00
PF0779	-0.51	1.00
PF0780	-0.68	0.00

PF1421	-0.38	0.64
PF1422	-0.90	0.00
PF1423	-0.54	0.08
PF1424	-0.87	0.00
PF1425	-0.45	0.01
PF1426	-0.49	0.71
PF1427	-0.64	0.01
PF1428	-0.45	0.00
PF1429	-0.90	0.00
PF1430	-0.39	0.00
PF1431	-0.67	0.00
PF1432	-0.97	0.00
PF1433	-1.02	0.00
PF1434	-0.52	0.00
PF1435	-0.22	1.00
PF1436	-0.16	1.00
PF1437	-1.18	0.00
PF1438	-0.47	0.01
PF1439	0.26	1.00
PF1440	-0.91	0.00
PF1441	-0.92	0.00
PF1442	-1.07	0.00
PF1443	-0.81	0.08
PF1444	-0.34	1.00
PF1445	-0.36	1.00
PF1446	-0.49	0.60
PF1447	-0.08	1.00
PF1448		1.00
PF1449	-0.14	1.00
PF1450		1.00
PF1451	0.25	1.00
PF1452	-0.04	1.00
PF1453	-0.14	1.00
PF1454	-0.58	0.02
PF1455	-0.43	0.82
PF1456	-1.98	0.00
PF1457	-1.10	0.00
PF1458	-0.99	0.00
PF1459		1.00
PF1460	2.14	0.00
PF1461	-0.38	1.00
PF1462	-0.87	0.00
PF1463	-0.22	1.00
PF1464	-0.39	1.00
PF1465	-0.22	1.00
PF1466	-0.43	1.00
PF1467	-0.28	1.00
PF1468	-0.26	1.00

PF0092	-0.99	1.00
PF0093	-0.63	0.14
PF0094	1.43	0.00
PF0095	0.20	1.00
PF0096	-0.19	1.00
PF0097	-0.62	0.00
PF0098	-1.07	0.33
PF0099	-0.80	0.00
PF0100	-0.37	0.94
PF0101	2.45	0.00
PF0102	0.01	1.00
PF0103	0.13	1.00
PF0104	0.13	1.00
PF0105	0.89	0.02
PF0106	-0.10	1.00
PF0107	-1.19	0.00
PF0108	-0.50	0.16
PF0109	-0.38	1.00
PF0110	-0.46	0.63
PF0111	-0.76	0.00
PF0112	-0.97	0.00
PF0113	-0.74	0.00
PF0114	-0.18	1.00
PF0115	0.07	1.00
PF0116	-2.39	0.00
PF0117	-1.82	0.00
PF0118	-1.60	0.00
PF0119	-1.91	0.00
PF0120	-1.84	0.00
PF0121	-3.62	0.00
PF0122	-1.17	0.00
PF0123	-0.64	0.01
PF0124	-1.14	0.00
PF0125	-0.96	0.00
PF0126	0.05	1.00
PF0127	-0.96	0.00
PF0128	-1.50	0.00
PF0129	1.11	0.00
PF0130	0.71	0.01
PF0131	0.43	1.00
PF0132	0.28	1.00
PF0133	0.33	0.00
PF0134	-0.73	0.00
PF0135	0.44	0.00
PF0136	-0.07	1.00
PF0137	-1.17	0.00
PF0138	-0.24	1.00
PF0139	-0.39	0.10

PF0781	0.01	1.00
PF0782	-0.70	0.00
PF0783	0.95	0.00
PF0784	-0.28	1.00
PF0785	-0.56	0.11
PF0786	0.06	1.00
PF0787	-1.46	0.00
PF0788	-0.49	1.00
PF0789	-0.79	0.02
PF0790	0.00	1.00
PF0791	-0.44	0.41
PF0792	-0.57	1.00
PF0793	-0.28	1.00
PF0794	-0.21	1.00
PF0795	-0.13	1.00
PF0796	-0.50	0.12
PF0797	-0.15	1.00
PF0798	-0.24	1.00
PF0799	-0.11	1.00
PF0800	-0.15	1.00
PF0801	-0.46	1.00
PF0802	0.25	1.00
PF0803	0.44	1.00
PF0804	0.05	1.00
PF0805	0.75	0.81
PF0806	-0.06	1.00
PF0807	0.04	1.00
PF0808	0.43	0.13
PF0809		1.00
PF0810	0.20	1.00
PF0811	-0.85	1.00
PF0812	-2.08	0.00
PF0813	-2.41	0.00
PF0814	-0.33	1.00
PF0815		1.00
PF0816	-0.95	0.00
PF0817		1.00
PF0818	0.19	1.00
PF0819	0.10	1.00
PF0820	0.06	1.00
PF0821	0.03	1.00
PF0822	-0.35	1.00
PF0823	-0.42	1.00
PF0824	-0.47	0.41
PF0825	-0.02	1.00
PF0826	-0.27	1.00
PF0827	-1.96	0.00
PF0828	-2.36	0.00

PF1469	-0.87	0.00
PF1470	-1.30	0.00
PF1471	-1.06	0.00
PF1472	0.06	1.00
PF1473	-1.29	0.00
PF1474		1.00
PF1475	-0.38	1.00
PF1476	-0.91	0.00
PF1477	-0.17	1.00
PF1478	-0.32	1.00
PF1479	0.87	0.10
PF1480	0.83	0.00
PF1481	-0.57	0.00
PF1482	-0.89	0.19
PF1483	-1.19	0.00
PF1484	-0.87	0.00
PF1485	0.04	1.00
PF1486	0.22	1.00
PF1487	-0.43	0.76
PF1488	1.03	0.00
PF1489	-0.10	1.00
PF1490	-1.53	0.00
PF1491	0.10	1.00
PF1492	-0.02	1.00
PF1493	0.05	1.00
PF1494	0.61	0.16
PF1495	0.49	0.01
PF1496	0.45	1.00
PF1497	-0.48	0.00
PF1498	0.35	1.00
PF1499	-0.23	1.00
PF1500	-0.09	1.00
PF1501	-0.41	1.00
PF1502	-0.25	1.00
PF1503	-0.05	1.00
PF1504	-0.09	1.00
PF1505	-1.01	0.00
PF1506	-0.56	0.05
PF1507	-1.20	0.00
PF1508	-1.05	0.01
PF1509	0.65	0.00
PF1510	0.78	0.07
PF1511	0.61	0.78
PF1512	0.93	1.00
PF1513	-1.55	0.00
PF1514		1.00
PF1515	-2.42	0.00
PF1516	-2.47	0.00

PF0140	0.32	1.00
PF0141	-0.66	0.00
PF0142	0.20	1.00
PF0143	1.01	0.02
PF0144	0.47	0.07
PF0145	0.34	1.00
PF0146	-1.03	0.00
PF0147	-0.76	0.00
PF0148	-0.49	1.00
PF0149	-0.58	0.45
PF0150	-0.81	0.00
PF0151	-0.33	1.00
PF0152	-1.06	0.00
PF0153	-4.21	0.00
PF0154	-3.00	0.00
PF0155	1.16	0.00
PF0156	-0.68	0.00
PF0157	-0.94	0.00
PF0158	-0.21	1.00
PF0159	-0.28	1.00
PF0160	-0.89	0.00
PF0161	-0.37	0.38
PF0162	0.22	1.00
PF0163	0.46	1.00
PF0164	0.50	0.80
PF0165	-0.89	0.00
PF0166	-0.32	0.75
PF0167	0.25	1.00
PF0168	-0.66	0.00
PF0169	-1.19	0.00
PF0170	-0.44	1.00
PF0171		1.00
PF0172	-0.46	0.01
PF0173	0.01	1.00
PF0174	-0.35	1.00
PF0175	-0.51	0.78
PF0176	-0.77	0.00
PF0177	-0.20	1.00
PF0178	-0.55	0.08
PF0179	-1.32	0.00
PF0180	-1.36	0.01
PF0181	-1.18	0.06
PF0182	-0.25	1.00
PF0183	-0.18	1.00
PF0184	-0.33	0.97
PF0185	-0.52	0.74
PF0186	-1.54	0.00
PF0187	-0.96	0.05

PF0829	-1.43	0.00
PF0830		1.00
PF0831	-1.69	0.00
PF0832		1.00
PF0833	0.10	1.00
PF0834	-0.17	1.00
PF0835	-0.27	1.00
PF0836	0.00	1.00
PF0837		1.00
PF0838	0.57	1.00
PF0839	0.30	1.00
PF0840	0.48	1.00
PF0841	0.17	1.00
PF0842	-0.69	0.03
PF0843	-0.27	1.00
PF0844	-0.22	1.00
PF0845	-1.19	0.00
PF0846	-1.36	0.00
PF0847	-1.01	0.00
PF0848	-1.15	0.00
PF0849	0.14	1.00
PF0850	0.19	1.00
PF0851	-0.53	1.00
PF0852	-1.48	0.00
PF0853	0.14	1.00
PF0854	-0.07	1.00
PF0855	0.19	1.00
PF0856	-1.15	0.00
PF0857	-0.98	0.42
PF0858	-2.14	0.00
PF0859	-0.03	1.00
PF0860	-0.46	0.01
PF0861	-0.39	0.00
PF0862	-0.87	0.00
PF0863	-2.82	0.00
PF0864	-2.69	0.00
PF0865	-1.55	0.00
PF0866	-1.69	0.00
PF0867	-0.25	1.00
PF0868	-0.53	0.00
PF0869	-0.34	0.42
PF0870	-0.88	0.02
PF0871	-1.23	0.00
PF0872	-1.05	0.00
PF0873	-0.82	0.00
PF0874	-2.05	0.00
PF0875	-0.42	0.01
PF0876	0.32	1.00

PF1517		0.00
PF1518	-0.42	0.00
PF1519	-0.07	1.00
PF1520	0.11	1.00
PF1521	-1.61	0.00
PF1522		1.00
PF1523		1.00
PF1524		1.00
PF1525	-1.00	0.00
PF1526		1.00
PF1527	-0.87	0.01
PF1528	2.38	0.00
PF1529	1.82	0.00
PF1530	0.47	0.36
PF1531	-0.31	1.00
PF1532	-0.80	0.00
PF1533	0.92	0.00
PF1534	1.13	0.00
PF1535	0.01	1.00
PF1536	0.02	1.00
PF1537	0.56	0.00
PF1538	-0.07	1.00
PF1539	-1.05	0.00
PF1540	-0.19	1.00
PF1541	0.25	1.00
PF1542	0.17	1.00
PF1543	-0.94	0.00
PF1544	-1.39	0.00
PF1545	-0.76	0.51
PF1546	0.15	1.00
PF1547	-0.07	1.00
PF1548	0.03	1.00
PF1549	-0.16	1.00
PF1550	-0.05	1.00
PF1551	-1.05	0.00
PF1552	-1.44	0.00
PF1553	-1.24	0.00
PF1554	0.10	1.00
PF1555	-0.91	0.00
PF1556	-1.17	0.00
PF1557	-0.74	0.00
PF1558	-0.67	0.01
PF1559	-0.40	0.19
PF1560	-0.89	0.00
PF1561	-0.90	0.00
PF1562	-0.89	0.00
PF1563	-0.69	0.27
PF1564	-0.63	0.03

PF0188	-0.31	1.00
PF0189	0.58	0.18
PF0190	2.88	0.00
PF0191	-1.69	0.00
PF0192	-0.92	0.00
PF0193	-1.02	0.00
PF0194	-1.02	0.00
PF0195	-1.14	0.00
PF0196	-0.42	0.00
PF0197	-2.16	0.00
PF0198	-2.57	0.00
PF0199	-2.94	0.00
PF0200	-1.27	0.00
PF0201	-2.11	0.00
PF0202	-2.46	0.00
PF0203	-3.06	0.00
PF0204	-1.18	0.00
PF0205	-0.41	1.00
PF0206	-0.12	1.00
PF0207	-2.83	0.00
PF0208	-2.85	0.00
PF0209	-0.75	0.00
PF0210	0.58	0.01
PF0211	-1.35	0.00
PF0212	-0.01	1.00
PF0213	0.05	1.00
PF0214	-0.83	0.00
PF0215	0.34	1.00
PF0216	-1.56	0.00
PF0217	-0.37	0.03
PF0218	-0.37	1.00
PF0219	-0.33	1.00
PF0220	-0.59	0.00
PF0221	-0.64	0.00
PF0222	-1.12	0.00
PF0223	-0.89	0.00
PF0224	-1.62	0.00
PF0225	0.76	0.00
PF0226	0.59	0.04
PF0227	-0.27	1.00
PF0228		1.00
PF0229	-0.93	0.00
PF0230	-0.64	0.00
PF0231	-1.42	0.00
PF0232	-1.63	0.00
PF0233	0.32	0.42
PF0234	-1.25	0.00
PF0235	-1.79	0.00

PF0877		1.00
PF0878	0.14	1.00
PF0879		1.00
PF0880	1.06	0.00
PF0881	-4.12	0.00
PF0882	-4.18	0.00
PF0883	-1.72	0.00
PF0884	-3.81	0.00
PF0885		1.00
PF0886	-0.70	0.00
PF0887	-0.53	1.00
PF0888	-0.35	1.00
PF0889	-1.13	0.00
PF0890	-1.02	0.02
PF0891	-1.88	0.00
PF0892	-1.89	0.00
PF0893	-1.88	0.00
PF0894	-2.02	0.00
PF0895	-1.82	0.00
PF0896	-0.72	0.09
PF0897	-1.24	0.00
PF0898	0.00	1.00
PF0899		1.00
PF0900	0.14	1.00
PF0901	0.36	1.00
PF0902	-0.91	0.00
PF0903	-0.01	1.00
PF0904	0.12	1.00
PF0905	-0.49	0.01
PF0906	-0.38	1.00
PF0907	-0.48	0.02
PF0908	-0.44	0.00
PF0909	-0.49	1.00
PF0910		1.00
PF0911		1.00
PF0912	-0.41	1.00
PF0913	0.11	1.00
PF0914	0.16	1.00
PF0915	0.31	1.00
PF0916	-0.44	1.00
PF0917	-0.40	1.00
PF0918	-0.31	1.00
PF0919	-1.06	0.06
PF0920	-1.22	0.00
PF0921	-0.87	0.00
PF0922	0.72	1.00
PF0923	0.36	1.00
PF0924	-0.05	1.00

PF1565	-0.60	0.31
PF1566	0.11	1.00
PF1567	-0.59	0.01
PF1568	-0.89	0.00
PF1569	-1.02	0.00
PF1570	-1.06	0.00
PF1571	-0.02	1.00
PF1572	-1.07	0.00
PF1573	-0.84	1.00
PF1574	-0.67	1.00
PF1575	0.48	1.00
PF1576	-0.61	0.25
PF1577	-0.51	1.00
PF1578	-0.26	1.00
PF1579	-0.27	1.00
PF1580	-0.69	0.02
PF1581	-0.42	0.05
PF1582	-0.14	1.00
PF1583	-1.42	0.00
PF1584	-0.52	0.41
PF1585	-0.75	0.19
PF1586	-1.26	0.00
PF1587	-0.90	0.00
PF1588	-0.64	0.45
PF1589	-1.40	0.00
PF1590	-0.53	0.01
PF1591	-1.14	0.00
PF1592	1.07	0.00
PF1593	-0.06	1.00
PF1594	-1.01	0.00
PF1595	-0.26	1.00
PF1596	-0.02	1.00
PF1597	-0.08	1.00
PF1598	-0.40	1.00
PF1599	-0.44	0.00
PF1600	-0.98	0.00
PF1601	-0.07	1.00
PF1602	-2.82	0.00
PF1603	-0.33	1.00
PF1604	-0.60	0.02
PF1605	-0.86	0.00
PF1606	-0.21	1.00
PF1607	-0.91	1.00
PF1608	0.13	1.00
PF1609		1.00
PF1610		1.00
PF1611	-0.71	0.00
PF1612	-0.81	0.01

PF0236	-1.19	0.00
PF0237	-0.43	1.00
PF0238	-0.96	0.00
PF0239	-0.35	1.00
PF0240	-1.32	0.00
PF0241	-1.34	0.00
PF0242		1.00
PF0243		1.00
PF0244		1.00
PF0245		1.00
PF0246	0.09	1.00
PF0247	-2.23	0.00
PF0248	-0.66	0.01
PF0249	-0.37	1.00
PF0250	0.96	0.00
PF0251	-0.19	1.00
PF0252	-1.10	0.00
PF0253	-0.53	0.87
PF0254	-1.16	0.00
PF0255	-1.13	0.00
PF0256	-0.78	0.00
PF0257	-0.57	0.01
PF0258	-0.85	0.00
PF0259	0.03	1.00
PF0260	0.17	1.00
PF0261	-0.59	0.42
PF0262	0.56	1.00
PF0263	-0.46	1.00
PF0264	-0.76	0.00
PF0265	0.28	1.00
PF0266	0.43	0.51
PF0267	0.43	0.59
PF0268	-0.54	1.00
PF0269	-0.62	0.03
PF0270	-0.48	1.00
PF0271	-0.12	1.00
PF0272	-0.64	0.00
PF0273	0.01	1.00
PF0274		1.00
PF0275	0.98	0.00
PF0276	0.81	0.00
PF0277	0.05	1.00
PF0278	0.08	1.00
PF0279	-0.45	0.47
PF0280	-0.86	0.00
PF0281		1.00
PF0282	-0.84	0.00
PF0283	-0.92	0.00

PF0925	-0.08	1.00
PF0926	0.10	1.00
PF0927	0.04	1.00
PF0928		1.00
PF0929	0.77	0.00
PF0930	-1.53	0.00
PF0931	-0.03	1.00
PF0932	-0.62	0.79
PF0933	-0.40	0.10
PF0934	2.78	0.00
PF0935	3.31	0.00
PF0936	2.15	0.00
PF0937	1.26	0.40
PF0938	1.56	0.02
PF0939	0.93	1.00
PF0940	0.86	1.00
PF0941	0.83	1.00
PF0942	1.15	0.07
PF0943	1.95	0.00
PF0944	1.74	0.75
PF0945		1.00
PF0946	-0.65	0.06
PF0947	-1.18	0.00
PF0948	0.34	1.00
PF0949	0.16	1.00
PF0950		1.00
PF0951		1.00
PF0952	-0.67	1.00
PF0953	-0.94	0.00
PF0954	-0.80	0.05
PF0955	-1.14	0.00
PF0956	0.69	0.48
PF0957	1.26	0.03
PF0958		1.00
PF0959	0.26	1.00
PF0960	-0.46	0.20
PF0961		1.00
PF0962	1.05	0.00
PF0963	-0.86	0.00
PF0964	-1.06	0.00
PF0965	-0.56	1.00
PF0966	-0.47	0.01
PF0967	-0.22	1.00
PF0968	-0.27	0.10
PF0969	-0.43	0.39
PF0970	-0.58	0.00
PF0971	-0.52	0.00
PF0972	-0.89	0.00

PF1613		0.02
PF1614	-1.80	0.00
PF1615	-1.38	0.00
PF1616	0.07	1.00
PF1617	-1.47	0.00
PF1618	0.22	1.00
PF1619	0.06	1.00
PF1620	0.21	1.00
PF1621	-2.16	0.00
PF1622	-2.02	0.00
PF1623	-0.23	1.00
PF1624		1.00
PF1625	0.51	0.10
PF1626	0.51	0.23
PF1627	-0.10	1.00
PF1628	-0.63	0.07
PF1629	-0.01	1.00
PF1630	-0.44	1.00
PF1631	0.44	0.48
PF1632	-0.95	0.13
PF1633	0.65	0.11
PF1634	0.60	0.02
PF1635	0.10	1.00
PF1636	-0.25	1.00
PF1637	-1.79	0.00
PF1638	-1.53	0.00
PF1639	-0.01	1.00
PF1640	0.08	1.00
PF1641	-0.15	1.00
PF1642	-0.48	1.00
PF1643	-0.09	1.00
PF1644	-0.43	0.00
PF1645	-0.49	0.00
PF1646	-0.44	0.00
PF1647	-0.28	0.07
PF1648	-0.31	1.00
PF1649	-0.57	0.00
PF1650	-0.12	1.00
PF1651	0.73	0.00
PF1652	1.17	0.00
PF1653	-0.17	1.00
PF1654	1.16	0.00
PF1655	0.91	0.02
PF1656	0.67	0.08
PF1657	-0.68	1.00
PF1658	-0.55	1.00
PF1659	-1.25	1.00
PF1660	-0.75	1.00



PF0284	-1.29	0.00
PF0285	0.10	1.00
PF0286	1.80	0.00
PF0287	0.31	1.00
PF0288	-1.80	0.00
PF0289	-2.47	0.00
PF0290	-0.90	0.00
PF0291	-0.14	1.00
PF0292	0.12	1.00
PF0293	0.92	0.00
PF0294	0.82	0.00
PF0295	1.25	0.00
PF0296	1.41	0.00
PF0297	1.86	0.00
PF0298	1.12	0.00
PF0299	0.16	1.00
PF0300	-0.04	1.00
PF0301	-0.64	0.00
PF0302	-0.95	0.00
PF0303	-0.61	0.00
PF0304	-0.24	1.00
PF0305	-0.18	1.00
PF0306	0.19	1.00
PF0307	-0.09	1.00
PF0308	-0.51	0.13
PF0309	0.66	0.00
PF0310	0.45	0.01
PF0311	1.09	0.00
PF0312	0.39	0.99
PF0313	-0.08	1.00
PF0314	-1.08	0.00
PF0315	-1.27	0.00
PF0316	0.96	0.00
PF0317	-0.08	1.00
PF0318	1.63	0.00
PF0319	-1.06	0.00
PF0320	-0.39	1.00
PF0321	0.03	1.00
PF0322	-1.22	0.00
PF0323	2.42	0.00
PF0324	5.84	0.00
PF0325	5.29	0.00
PF0326	2.60	0.02
PF0327	2.39	0.00
PF0328	0.75	1.00
PF0329	-0.36	1.00
PF0330	-0.26	1.00
PF0331	-0.75	0.15

PF0973	-0.52	0.00
PF0974	-0.54	0.00
PF0975	-0.43	1.00
PF0976		1.00
PF0977	0.20	1.00
PF0978	-0.45	0.48
PF0979	-0.33	1.00
PF0980	-0.11	1.00
PF0981	-0.04	1.00
PF0982	-2.06	0.00
PF0983	-0.64	0.00
PF0984	-0.79	0.33
PF0985	-0.88	0.02
PF0986	-0.61	0.39
PF0987	-0.41	1.00
PF0988	-0.65	0.05
PF0989	-1.14	0.00
PF0990	-0.74	0.67
PF0991	-0.13	1.00
PF0992	0.17	1.00
PF0993	-0.28	1.00
PF0994	-0.24	1.00
PF0995	0.28	1.00
PF0996	-0.21	1.00
PF0997	0.47	1.00
PF0998	-0.13	1.00
PF0999	0.07	1.00
PF1000	-0.08	1.00
PF1001	0.25	1.00
PF1002	-0.79	0.00
PF1003	-0.67	0.00
PF1004	-0.76	0.00
PF1005	-0.13	1.00
PF1006	-0.10	1.00
PF1007		1.00
PF1008	-0.81	0.15
PF1009	-0.24	1.00
PF1010		1.00
PF1011	-0.96	0.00
PF1012	-0.46	1.00
PF1013	-0.16	1.00
PF1014	-0.36	1.00
PF1015	-0.50	0.46
PF1016	-0.84	0.00
PF1017	-0.70	0.00
PF1018		1.00
PF1019	-0.05	1.00
PF1020	0.14	1.00

PF1661	-0.74	1.00
PF1662	-0.65	1.00
PF1663	-1.00	0.33
PF1664	-0.68	1.00
PF1665	-0.54	1.00
PF1666	0.22	1.00
PF1667	1.05	1.00
PF1668	-0.12	1.00
PF1669	-0.49	1.00
PF1670	1.39	0.00
PF1671	-0.19	1.00
PF1672	0.04	1.00
PF1673	0.34	1.00
PF1674	0.21	1.00
PF1675	0.58	0.45
PF1676	-0.80	0.00
PF1677	2.76	0.00
PF1678	3.23	0.00
PF1679	3.14	0.00
PF1680		1.00
PF1681	-3.04	0.00
PF1682	-3.39	0.00
PF1683	-3.37	0.00
PF1684	-3.20	0.00
PF1685	-3.54	0.00
PF1686	-3.41	0.00
PF1687	0.34	1.00
PF1688	-0.52	1.00
PF1689	-0.61	1.00
PF1690	-0.56	1.00
PF1691	0.00	1.00
PF1692	-0.06	1.00
PF1693	-0.15	1.00
PF1694	0.31	1.00
PF1695	-0.30	1.00
PF1696	-1.74	0.00
PF1697	-0.93	0.00
PF1698	-0.55	0.07
PF1699	0.37	1.00
PF1700	-0.21	1.00
PF1701	3.85	0.00
PF1702	2.82	0.00
PF1703	3.10	0.00
PF1704		0.07
PF1705	0.76	0.53
PF1706	0.06	1.00
PF1707	0.90	1.00
PF1708	1.23	0.03

PF0332	-0.22	1.00
PF0333	-0.42	1.00
PF0334	-1.27	0.00
PF0335	-1.12	0.50
PF0336	-1.49	0.00
PF0337	-1.50	0.00
PF0338	-0.19	1.00
PF0339	-2.20	0.00
PF0340	-0.94	0.04
PF0341	-0.43	0.05
PF0342	0.75	0.00
PF0343	-0.14	1.00
PF0344	-0.37	1.00
PF0345	-0.48	0.39
PF0346	-0.50	0.00
PF0347	-0.67	0.00
PF0348		1.00
PF0349	0.69	0.00
PF0350	-1.66	0.00
PF0351	-0.70	0.00
PF0352	-0.22	1.00
PF0353	-0.17	1.00
PF0354	-1.44	0.00
PF0355	-0.85	0.00
PF0356	-0.91	0.00
PF0357	-1.02	0.00
PF0358	-0.83	0.04
PF0359	-1.22	0.00
PF0360	-0.16	1.00
PF0361	-0.09	1.00
PF0362	-0.32	1.00
PF0363	-0.54	0.01
PF0364	-0.20	1.00
PF0365	-0.67	1.00
PF0366	-0.27	1.00
PF0367	-0.04	1.00
PF0368	0.10	1.00
PF0369	-0.36	0.04
PF0370	-0.26	0.12
PF0371	1.39	0.00
PF0372	-0.20	1.00
PF0373	-0.06	1.00
PF0374	1.06	0.00
PF0375	-0.06	1.00
PF0376	0.21	1.00
PF0377	0.06	1.00
PF0378	-0.54	0.00
PF0379	-0.70	0.02

PF1021	0.12	1.00
PF1022	0.34	1.00
PF1023	-0.61	0.00
PF1024	0.20	1.00
PF1025	2.07	0.00
PF1026	0.61	0.06
PF1027	0.16	1.00
PF1028	0.41	1.00
PF1029	0.69	0.00
PF1030	-0.26	0.56
PF1031	-0.89	0.00
PF1032	-1.46	0.00
PF1033	-2.28	0.00
PF1034	-1.41	0.00
PF1035	-0.34	1.00
PF1036	-0.45	1.00
PF1037		1.00
PF1038	-0.93	0.00
PF1039	-0.57	0.00
PF1040	0.18	1.00
PF1041	0.24	1.00
PF1042	0.35	1.00
PF1043	0.44	1.00
PF1044	-0.56	0.63
PF1045	-0.33	1.00
PF1046	-0.19	1.00
PF1047	0.47	1.00
PF1048	0.92	0.00
PF1049	-1.02	0.00
PF1050	-0.37	1.00
PF1051		1.00
PF1052	-0.61	0.23
PF1053	0.06	1.00
PF1054	0.37	1.00
PF1055	-0.49	1.00
PF1056	-0.22	1.00
PF1057	-1.32	0.00
PF1058	0.26	1.00
PF1059	0.25	1.00
PF1060	0.45	0.05
PF1061	-0.13	1.00
PF1062	2.62	0.00
PF1063	0.48	0.84
PF1064	0.03	1.00
PF1065	-0.47	0.09
PF1066	-0.05	1.00
PF1067		1.00
PF1068		1.00

PF1709	0.77	1.00
PF1710	0.96	0.40
PF1711	1.59	0.00
PF1712	-0.44	1.00
PF1713	-2.17	0.00
PF1714	-2.87	0.00
PF1715	0.25	1.00
PF1716	-0.09	1.00
PF1717	0.39	1.00
PF1718	-0.10	1.00
PF1719	-0.49	1.00
PF1720	-0.34	1.00
PF1721	-0.17	1.00
PF1722	0.21	1.00
PF1723	-0.39	1.00
PF1724	-0.20	1.00
PF1725	-1.21	0.01
PF1726	-1.09	1.00
PF1727	-0.08	1.00
PF1728	0.24	1.00
PF1729	1.01	0.00
PF1730	-0.15	1.00
PF1731	-0.91	0.40
PF1732	-0.50	1.00
PF1733	-0.71	0.00
PF1734	-0.56	0.12
PF1735	0.58	0.01
PF1736	-0.90	0.00
PF1737	0.00	1.00
PF1738		1.00
PF1739	0.19	1.00
PF1740	-0.29	1.00
PF1741	-0.42	0.19
PF1742	-0.72	0.00
PF1743	-0.33	1.00
PF1744	0.09	1.00
PF1745	-0.85	0.00
PF1746	-1.62	0.00
PF1747	-1.07	0.00
PF1748	-0.03	1.00
PF1749	0.11	1.00
PF1750	-0.48	0.03
PF1751	-0.48	0.40
PF1752	-0.70	0.00
PF1753	-0.77	0.00
PF1754		1.00
PF1755	-0.60	0.28
PF1756	0.47	0.04

PF0380	-0.27	1.00
PF0381	-0.10	1.00
PF0382	0.02	1.00
PF0383	-0.07	1.00
PF0384	-0.25	1.00
PF0385	-0.07	1.00
PF0386	-0.53	0.01
PF0387	-0.58	0.01
PF0388	0.76	0.02
PF0389		1.00
PF0390	-1.07	0.00
PF0391	-0.45	0.01
PF0392	-0.38	1.00
PF0393		1.00
PF0394	-0.69	0.04
PF0395	-1.87	0.00
PF0396	-1.27	0.00
PF0397	-1.19	0.00
PF0398	-0.54	0.44
PF0399	-0.77	0.00
PF0400	-0.87	0.00
PF0401	0.30	1.00
PF0402	-0.77	0.00
PF0403	-0.30	1.00
PF0404	-0.53	0.07
PF0405	-0.78	0.00
PF0406	-0.22	1.00
PF0407	-0.23	1.00
PF0408	-0.77	0.00
PF0409	-0.80	0.00
PF0410	-0.52	1.00
PF0411	-0.42	1.00
PF0412	-0.36	0.93
PF0413	-0.45	1.00
PF0414	0.42	1.00
PF0415	-0.01	1.00
PF0416	0.64	1.00
PF0417	0.85	0.00
PF0418	0.51	0.01
PF0419	1.06	0.00
PF0420	1.24	0.00
PF0421	-3.22	0.00
PF0422	-4.62	0.00
PF0423	-0.13	1.00
PF0424	-0.50	1.00
PF0425	-0.67	1.00
PF0426	-3.13	0.00
PF0427	-2.98	0.00

PF1069	-1.00	0.00
PF1070	-0.47	1.00
PF1071	-0.18	1.00
PF1072	3.67	0.00
PF1073	3.30	0.00
PF1074	3.50	0.00
PF1075	-0.55	1.00
PF1076	2.02	0.00
PF1077	2.40	0.00
PF1078	2.05	0.04
PF1079	0.28	1.00
PF1080	0.12	1.00
PF1081	0.19	1.00
PF1082		1.00
PF1083	-0.65	0.00
PF1084	0.25	1.00
PF1085	0.52	0.05
PF1086	-0.63	0.00
PF1087	-0.25	0.06
PF1088	-1.27	0.00
PF1089	-0.82	0.07
PF1090	-0.73	0.00
PF1091		1.00
PF1092	-0.31	1.00
PF1093	0.06	1.00
PF1094	-0.56	1.00
PF1095	-0.16	1.00
PF1096	-0.94	0.00
PF1097	-1.07	0.00
PF1098	-0.52	1.00
PF1099	-0.75	0.03
PF1100	1.81	0.00
PF1101	-0.73	0.00
PF1102	0.67	0.06
PF1103	-0.45	0.07
PF1104	0.44	0.06
PF1105	-0.41	0.00
PF1106	-0.59	0.15
PF1107	-0.41	1.00
PF1108	-1.05	0.00
PF1109	-0.26	1.00
PF1110	-0.16	1.00
PF1111	-0.38	0.23
PF1112	-0.46	1.00
PF1113	-0.60	0.00
PF1114	-0.68	0.00
PF1115	-0.58	0.00
PF1116	-0.75	0.00

PF1757	0.71	0.13
PF1758	-0.38	0.20
PF1759	-1.23	0.00
PF1760	-1.21	0.03
PF1761	-1.86	0.00
PF1762	-1.19	0.07
PF1763	-0.98	0.00
PF1764	0.18	1.00
PF1765	-1.48	0.00
PF1766	-1.23	0.00
PF1767	1.49	0.00
PF1768	0.96	0.00
PF1769	1.05	0.00
PF1770	0.95	0.00
PF1771	0.79	0.01
PF1772	0.85	0.00
PF1773	1.02	0.00
PF1774	0.05	1.00
PF1775	-0.05	1.00
PF1776	-0.19	1.00
PF1777	-0.51	0.07
PF1778	-0.28	1.00
PF1779	-0.53	0.44
PF1780	-0.07	1.00
PF1781	-0.78	0.01
PF1782	-0.71	0.00
PF1783	-0.71	0.06
PF1784	-1.23	0.00
PF1785	-0.80	0.00
PF1786	0.81	0.21
PF1787	-0.26	1.00
PF1788	-0.45	0.06
PF1789	-0.59	0.00
PF1790	0.11	1.00
PF1791	-0.04	1.00
PF1792	-0.70	0.00
PF1793	-0.87	0.02
PF1794	-1.71	0.00
PF1795	-0.87	0.00
PF1796	-0.89	0.00
PF1797	-0.45	0.02
PF1798	-0.46	0.00
PF1799	-0.32	1.00
PF1800	-0.36	0.37
PF1801	-0.16	1.00
PF1802	-0.82	0.00
PF1803	-0.50	0.00
PF1804	-0.56	0.00

PF0428	1.41	0.00
PF0429	3.87	0.00
PF0430	-2.51	0.00
PF0431	-3.62	0.00
PF0432	-0.39	0.06
PF0433		1.00
PF0434	-1.17	1.00
PF0435	-0.36	1.00
PF0436	-0.09	1.00
PF0437	1.61	0.42
PF0438		1.00
PF0439	-0.81	0.07
PF0440	-3.19	0.00
PF0441	-0.54	1.00
PF0442	-1.15	0.00
PF0443	-0.48	1.00
PF0444	-0.94	0.24
PF0445	-0.97	0.11
PF0446		1.00
PF0447	-0.37	1.00
PF0448	-1.13	0.01
PF0449	-0.79	0.19
PF0450	-0.18	1.00
PF0451		1.00
PF0452	0.40	1.00
PF0453	1.13	0.00
PF0454	-0.92	0.00
PF0455	-0.82	0.01
PF0456	0.84	0.00
PF0457	-0.32	1.00
PF0458	-0.70	0.00
PF0459	-0.45	0.04
PF0460	0.40	1.00
PF0461	0.69	0.10
PF0462	0.19	1.00
PF0463	-0.28	0.03
PF0464	-0.46	0.01
PF0465	-0.57	0.26
PF0466	-0.28	1.00
PF0467	0.01	1.00
PF0468		1.00
PF0469	-1.65	0.00
PF0470	-1.62	0.00
PF0471	-0.58	0.39
PF0472	-0.61	1.00
PF0473	-0.93	0.00
PF0474	-0.62	0.64
PF0475	-0.41	0.78

PF1117	-1.29	0.00
PF1118	-1.93	0.00
PF1119	-1.14	0.00
PF1120	-1.02	0.00
PF1121	-0.54	0.02
PF1122	-0.85	0.00
PF1123	-1.33	0.01
PF1124	-1.52	0.00
PF1125	-1.66	0.00
PF1126	-1.57	0.00
PF1127	-1.34	0.00
PF1128	-1.11	0.00
PF1129	-1.54	0.00
PF1130	-1.39	0.00
PF1131	0.17	1.00
PF1132	-1.01	0.00
PF1133	-0.38	1.00
PF1134	-0.17	1.00
PF1135	-0.13	1.00
PF1136	-1.20	0.03
PF1137	0.09	1.00
PF1138	-0.78	0.00
PF1139	-0.47	0.01
PF1140	-0.09	1.00
PF1141	0.02	1.00
PF1142	-0.13	1.00
PF1143	-0.49	0.00
PF1144	-0.84	0.00
PF1145	-0.54	0.00
PF1146	0.79	0.09
PF1147	-0.47	0.91
PF1148	0.14	1.00
PF1149		1.00
PF1150	-0.42	1.00
PF1151	-0.29	1.00
PF1152	-0.33	1.00
PF1153	-0.46	0.00
PF1154	-0.73	0.00
PF1155	-1.11	0.00
PF1156	-0.34	0.42
PF1157	0.18	1.00
PF1158	-0.19	1.00
PF1159	0.10	1.00
PF1160	0.51	0.68
PF1161	0.13	1.00
PF1162	-0.42	1.00
PF1163	-0.65	0.04
PF1164	-0.22	1.00

PF1805	-0.93	0.01
PF1806	-1.08	0.00
PF1807	-1.07	0.01
PF1808	-0.98	0.02
PF1809	-1.09	0.01
PF1810	-1.56	0.00
PF1811	-0.85	0.02
PF1812	-0.76	0.00
PF1813	-0.68	0.01
PF1814	-0.71	0.00
PF1815	-0.66	0.00
PF1816	-0.83	0.00
PF1817	-0.75	0.00
PF1818	-0.77	0.00
PF1819	-0.66	0.00
PF1820	-0.22	1.00
PF1821	-0.40	0.38
PF1822	-0.41	0.23
PF1823	-0.75	0.09
PF1824	-0.77	0.09
PF1825	-0.47	0.05
PF1826	-0.67	0.00
PF1827	-0.79	0.17
PF1828	-0.76	0.02
PF1829	-0.36	0.19
PF1830	-0.78	0.18
PF1831	0.14	1.00
PF1832	-1.18	0.01
PF1833	-0.41	1.00
PF1834	-0.78	0.02
PF1835	-0.69	0.29
PF1836		1.00
PF1837	-0.79	0.00
PF1838	-1.05	0.00
PF1839	-0.68	1.00
PF1840	-0.36	1.00
PF1841		1.00
PF1842	-0.43	1.00
PF1843	-1.50	0.01
PF1844	#DIV/0!	1.00
PF1845	1.06	0.01
PF1846	-0.24	1.00
PF1847	-1.90	0.00
PF1848	-1.38	0.00
PF1849	-0.64	0.02
PF1850	0.10	1.00
PF1851	-0.39	0.00
PF1852	0.48	1.00

PF0476	-0.89	0.00
PF0477	-1.93	0.00
PF0478	-2.29	0.00
PF0479	-1.68	0.00
PF0480	0.40	0.72
PF0481	0.92	0.01
PF0482	-1.54	0.00
PF0483	-2.38	0.00
PF0484	-2.24	0.00
PF0485	-1.74	0.00
PF0486	-0.52	1.00
PF0487	-0.25	1.00
PF0488	0.60	0.39
PF0489	0.45	1.00
PF0490	-0.15	1.00
PF0491	-0.41	1.00
PF0492	-0.45	1.00
PF0493	-1.16	0.00
PF0494	-0.37	1.00
PF0495	-1.27	0.00
PF0496	-0.63	0.00
PF0497	-0.67	0.03
PF0498	-0.21	1.00
PF0499	0.00	1.00
PF0500	0.02	1.00
PF0501	0.27	1.00
PF0502	-0.54	1.00
PF0503	0.02	1.00
PF0504	0.20	1.00
PF0505	-0.03	1.00
PF0506		1.00
PF0507	-1.34	0.45
PF0508	0.31	1.00
PF0509	0.73	0.07
PF0510	0.44	1.00
PF0511	-0.12	1.00
PF0512	-0.16	1.00
PF0513	-0.02	1.00
PF0514	1.08	1.00
PF0515		1.00
PF0516	1.62	0.00
PF0517	0.79	0.00
PF0518	0.37	1.00
PF0519	-1.51	0.00
PF0520	-1.41	0.00
PF0521	-1.69	0.00
PF0522	-2.11	0.00
PF0523	0.96	0.01

PF1165	-0.65	0.00
PF1166	-1.17	0.00
PF1167	-1.62	0.06
PF1168	-0.70	0.78
PF1169		1.00
PF1170	0.31	1.00
PF1171	1.05	0.00
PF1172	-0.42	1.00
PF1173	-0.97	0.00
PF1174	-0.72	0.01
PF1175	-1.14	0.00
PF1176	-1.02	0.00
PF1177	-0.92	0.00
PF1178	-0.74	0.77
PF1179	0.54	1.00
PF1180	-0.78	0.02
PF1181	-0.58	0.07
PF1182	0.29	1.00
PF1183	-0.22	1.00
PF1184	0.23	1.00
PF1185	0.02	1.00
PF1186	-1.52	0.00
PF1187	-1.07	0.00
PF1188	-1.21	0.00
PF1189	-1.14	0.00
PF1190	-1.26	0.00
PF1191	-1.41	0.00
PF1192	-1.63	0.00
PF1193	-0.97	0.00
PF1194	-0.59	1.00
PF1195	-0.84	0.13
PF1196	-0.66	0.00
PF1197	-0.79	0.00
PF1198	-1.20	0.00
PF1199	0.08	1.00
PF1200	-1.20	0.00
PF1201	-1.17	0.00
PF1202	-0.80	1.00
PF1203	-0.07	1.00
PF1204	0.13	1.00
PF1205	0.12	1.00
PF1206	-0.91	0.00
PF1207	-1.13	0.00
PF1208	-1.31	0.00
PF1209	-0.42	0.00
PF1210	-0.58	0.01
PF1211	-0.02	1.00
PF1212	-0.24	1.00

PF1853	-2.45	0.00
PF1854	-0.35	1.00
PF1855	-1.12	0.00
PF1856	-0.42	1.00
PF1857	-0.65	0.04
PF1858	-0.14	1.00
PF1859	0.15	1.00
PF1860	-0.59	0.05
PF1861		1.00
PF1862	-1.01	0.00
PF1863	-2.05	0.00
PF1864		1.00
PF1865		1.00
PF1866		1.00
PF1867	-1.04	0.00
PF1868	-1.61	0.00
PF1869	-1.15	0.00
PF1870	-1.04	0.00
PF1871	-1.64	0.00
PF1872	-1.37	0.00
PF1873	-0.89	0.01
PF1874	-1.30	0.00
PF1875	-0.48	1.00
PF1876	-0.03	1.00
PF1877	-1.29	0.00
PF1878	-0.63	0.37
PF1879	-0.09	1.00
PF1880	0.34	1.00
PF1881	0.22	1.00
PF1882	-0.30	1.00
PF1883	-0.73	0.00
PF1884	0.45	1.00
PF1885		1.00
PF1886	-0.71	1.00
PF1887	-0.01	1.00
PF1888	0.03	1.00
PF1889	-0.58	0.00
PF1890	-1.28	0.00
PF1891	0.63	0.08
PF1892	-0.24	1.00
PF1893	0.51	1.00
PF1894	0.23	1.00
PF1895	-0.12	1.00
PF1896	-0.48	1.00
PF1897	1.15	0.00
PF1898	0.73	0.56
PF1899	-0.65	0.00
PF1900	0.77	0.04

PF0524	0.30	1.00
PF0525	-0.22	1.00
PF0526	-1.59	0.00
PF0527	-1.78	0.00
PF0528	-0.59	0.00
PF0529	-0.53	0.01
PF0530	-0.66	1.00
PF0531	-0.89	0.00
PF0532	-1.30	0.00
PF0533	-1.37	0.00
PF0534	-1.07	0.00
PF0535	-0.41	1.00
PF0536	-0.35	0.24
PF0537	0.06	1.00
PF0538	0.69	0.00
PF0539	-0.18	1.00
PF0540	-0.79	0.00
PF0541	-0.34	1.00
PF0542	0.08	1.00
PF0543	-0.02	1.00
PF0544	-2.67	0.00
PF0545	-3.07	0.00
PF0546	-3.05	0.00
PF0547	-0.90	0.00
PF0548	-0.70	0.69
PF0549	-0.78	0.00
PF0550	0.62	1.00
PF0551	-0.08	1.00
PF0552	0.27	1.00
PF0553	0.24	1.00
PF0554	-0.60	0.00
PF0555	-0.67	0.01
PF0556	0.24	1.00
PF0557	0.47	0.86
PF0558	0.24	1.00
PF0559	0.38	0.09
PF0560	-1.56	0.00
PF0561	-0.82	0.02
PF0562	-0.80	0.00
PF0563	-0.61	1.00
PF0564	-1.54	0.00
PF0565	-0.44	1.00
PF0566	-1.31	0.00
PF0567	-0.69	0.00
PF0568	-0.53	0.00
PF0569	-0.35	0.23
PF0570	-0.24	1.00
PF0571		0.45

PF1213	-0.21	1.00
PF1214	0.05	1.00
PF1215		1.00
PF1216	0.12	1.00
PF1217		1.00
PF1218	-0.91	0.15
PF1219		1.00
PF1220		1.00
PF1221	-0.40	1.00
PF1222	0.13	1.00
PF1223	-0.26	1.00
PF1224		1.00
PF1225		1.00
PF1226		1.00
PF1227	-0.69	0.07
PF1228	0.49	1.00
PF1229	-1.02	0.00
PF1230	-0.35	1.00
PF1231	0.02	1.00
PF1232	-0.85	0.04
PF1233	-1.03	0.00
PF1234	-0.48	1.00
PF1235	0.26	1.00
PF1236	0.24	1.00
PF1237	0.53	0.04
PF1238	-1.15	0.00
PF1239	-0.13	1.00
PF1240	0.49	1.00
PF1241	0.89	0.00
PF1242	0.11	1.00
PF1243	-0.71	0.00
PF1244	-1.47	0.00
PF1245	-0.62	0.24
PF1246	-0.56	0.00
PF1247	1.47	0.00
PF1248	0.06	1.00
PF1249	-0.48	0.00
PF1250	-0.16	1.00
PF1251	-0.20	1.00
PF1252	0.68	0.00
PF1253	-0.80	0.00
PF1254	-1.28	0.00
PF1255	-0.79	1.00
PF1256	-1.03	0.00
PF1257	-1.38	0.00
PF1258	-0.21	1.00
PF1259	-0.07	1.00
PF1260	-0.99	0.00

PF1901	-0.29	0.01
PF1902	-0.28	1.00
PF1903	-1.13	0.00
PF1904	-1.10	0.00
PF1905	-1.12	0.00
PF1906	-0.34	1.00
PF1907	0.23	1.00
PF1908	0.09	1.00
PF1909	0.07	1.00
PF1910	-0.17	1.00
PF1911	-0.45	0.04
PF1912	-0.50	0.11
PF1913	-0.46	0.20
PF1914	-0.90	0.00
PF1915	-0.21	1.00
PF1916	-0.37	1.00
PF1917	0.55	0.20
PF1918	0.89	0.00
PF1919	0.47	0.08
PF1920	-0.96	0.00
PF1921	-0.03	1.00
PF1922	-0.09	1.00
PF1923	-0.15	1.00
PF1924	-0.30	1.00
PF1925	-0.49	1.00
PF1926	-0.96	0.00
PF1927	-0.15	1.00
PF1928	-0.83	0.00
PF1929	-1.43	0.00
PF1930	-0.53	0.00
PF1931	0.31	1.00
PF1932	-0.49	1.00
PF1933	-2.54	0.00
PF1934	-2.67	0.00
PF1935	-2.79	0.00
PF1936	-3.07	0.00
PF1937	-2.90	0.00
PF1938	-2.10	0.00
PF1939	1.08	0.00
PF1940	-0.52	0.19
PF1941	-0.83	0.01
PF1942	-0.02	1.00
PF1943	0.47	1.00
PF1944	1.92	0.00
PF1945	-1.63	0.00
PF1946	-1.02	0.00
PF1947	-0.77	0.00
PF1948	-0.18	1.00

PF0572	0.39	0.00
PF0573	-0.38	1.00
PF0574	-0.90	0.00
PF0575		1.00
PF0576	-0.39	1.00
PF0577	0.21	1.00
PF0578	0.50	0.09
PF0579	-0.19	1.00
PF0580	-1.01	0.00
PF0581	-0.62	0.20
PF0582	-0.84	0.00
PF0583	-1.08	0.00
PF0584	-1.21	0.00
PF0585	-0.04	1.00
PF0586	0.56	1.00
PF0587	0.52	0.16
PF0588	0.41	0.00
PF0589	-0.05	1.00
PF0590	-0.56	1.00
PF0591	-0.62	0.08
PF0592	-1.23	0.00
PF0593	-1.10	0.00
PF0594	-0.17	1.00
PF0595	-0.89	0.00
PF0596	-0.78	0.00
PF0597	-0.63	0.00
PF0598	-1.07	0.00
PF0599	-1.12	0.00
PF0600	0.68	0.77
PF0601	-0.94	0.00
PF0602	-0.79	0.00
PF0603	0.23	1.00
PF0604	-0.83	0.00
PF0605	-0.06	1.00
PF0606	0.26	0.00
PF0607	-0.21	1.00
PF0608	-0.16	1.00
PF0609	0.00	1.00
PF0610	0.29	1.00
PF0611	0.16	1.00
PF0612	-0.49	0.32
PF0613	0.58	0.02
PF0614	-0.26	1.00
PF0615	-0.40	0.00
PF0616	-0.25	1.00
PF0617	-0.77	0.00
PF0618		1.00
PF0619	0.08	1.00

PF1261	-0.90	0.00
PF1262	-0.41	0.08
PF1263	-1.34	0.00
PF1264	-0.58	1.00
PF1265	-0.79	0.00
PF1266	-0.97	0.00
PF1267	-0.54	0.01
PF1268	-0.96	0.01
PF1269	-0.94	0.01
PF1270	1.94	0.00
PF1271		1.00
PF1272	-0.11	1.00
PF1273	0.11	1.00
PF1274	-0.41	0.07
PF1275	-0.51	0.18
PF1276	-0.53	1.00
PF1277	-0.98	0.01
PF1278	-0.71	0.01
PF1279	-0.50	1.00
PF1280		1.00
PF1281	0.38	1.00
PF1282	0.34	1.00
PF1283	0.44	0.05
PF1284	1.04	0.00
PF1285	-0.86	0.00
PF1286	-1.16	0.00
PF1287	-1.95	0.00
PF1288	-0.93	0.01
PF1289	-0.78	0.01
PF1290	0.03	1.00
PF1291	0.79	0.02
PF1292	-0.99	0.00
PF1293	-0.08	1.00
PF1294	-0.50	0.00
PF1295	0.17	1.00
PF1296	0.16	1.00
PF1297	-0.62	0.01
PF1298	-0.25	1.00
PF1299	-0.38	0.01
PF1300	-0.07	1.00
PF1301	-0.04	1.00
PF1302	0.91	0.00
PF1303	0.53	0.04
PF1304	0.00	1.00
PF1305	0.12	1.00
PF1306	0.19	1.00
PF1307	0.52	0.35
PF1308		1.00

PF1949	0.03	1.00
PF1950	0.24	1.00
PF1951	0.04	1.00
PF1952	0.14	1.00
PF1953	-0.27	1.00
PF1954	-0.59	0.06
PF1955	-0.89	0.01
PF1956	1.10	0.00
PF1957	-0.45	0.17
PF1958	-0.44	0.00
PF1959	0.31	0.19
PF1960	1.84	0.00
PF1961	1.91	0.00
PF1962	-0.50	0.00
PF1963	-0.36	1.00
PF1964	0.21	1.00
PF1965	0.12	1.00
PF1966	0.29	0.18
PF1967	0.50	0.03
PF1968	0.20	1.00
PF1969		1.00
PF1970	-0.79	0.00
PF1971	0.07	1.00
PF1972	0.65	0.00
PF1973	1.84	0.00
PF1974	0.33	0.02
PF1975	1.17	0.00
PF1976	0.25	1.00
PF1977	0.05	1.00
PF1978	0.06	1.00
PF1979	0.48	0.28
PF1980	-0.02	1.00
PF1981	1.05	0.00
PF1982	0.03	1.00
PF1983	-0.05	1.00
PF1984		1.00
PF1985	0.36	1.00
PF1986	-0.13	1.00
PF1987	-0.19	1.00
PF1988	-0.17	1.00
PF1989	-0.04	1.00
PF1990	0.01	1.00
PF1991	0.20	1.00
PF1992	0.07	1.00
PF1993	0.03	1.00
PF1994	0.03	1.00
PF1995	-0.06	1.00
PF1996	-0.71	0.00

PF0620	-1.54	0.00
PF0621	-1.40	0.00
PF0622		1.00
PF0623	-0.56	0.02
PF0624	-1.68	0.00
PF0625	-1.05	0.00
PF0626	-1.71	0.00
PF0627	-1.37	1.00
PF0628	-0.74	0.02
PF0629	-1.12	0.00
PF0630	0.83	1.00
PF0631	-0.20	1.00
PF0632	-1.03	0.96
PF0633	-1.21	0.00
PF0634	-0.78	0.22
PF0635	-0.75	0.07
PF0636	-0.44	1.00
PF0637	-1.88	0.00
PF0638	-2.02	0.00
PF0639	-1.90	0.00
PF0640	-1.95	0.00
PF0641	-1.74	0.00
PF0642	-1.58	0.00
PF0643	-1.86	0.00
PF0644	-0.61	0.01
PF0645	0.30	1.00
PF0646	-0.16	1.00
PF0647	0.59	0.00
PF0648	-0.74	0.13
PF0649	0.14	1.00
PF0650	0.30	1.00
PF0651	0.83	0.00
PF0652	0.04	1.00
PF0653	-0.37	1.00
PF0654	-0.34	1.00
PF0655	-0.53	0.46
PF0656	0.21	1.00
PF0657	-1.24	0.00
PF0658		1.00
PF0659	-0.75	1.00
PF0660	-0.73	0.04
PF0661	-0.27	1.00
PF0662	-0.39	1.00
PF0663	-0.20	1.00
PF0664		1.00
PF0665	1.56	0.00
PF0666	0.33	0.22
PF0667	-1.65	0.00

PF1309	1.15	0.00
PF1310	0.87	0.00
PF1311		1.00
PF1312	0.07	1.00
PF1313	-0.73	0.04
PF1314	-0.42	1.00
PF1315	-0.75	0.01
PF1316	-0.96	0.00
PF1317	-0.18	1.00
PF1318	-0.70	1.00
PF1319	-0.34	1.00
PF1320	-0.58	1.00
PF1321	-0.25	1.00
PF1322	-0.09	1.00
PF1323	-0.04	1.00
PF1324	0.60	0.01
PF1325	0.15	1.00
PF1326	-0.25	1.00
PF1327	0.45	0.40
PF1328	0.09	1.00
PF1329	-0.28	1.00
PF1330	-0.25	1.00
PF1331	-0.34	1.00
PF1332	-0.20	1.00
PF1333	-1.02	0.00
PF1334	-1.24	0.00
PF1335	-1.33	0.00
PF1336	-0.98	0.00
PF1337	-0.58	0.02
PF1338	-0.26	1.00
PF1339	1.14	0.01
PF1340	0.70	0.00
PF1341	-1.48	0.00
PF1342	-0.41	1.00
PF1343	0.40	0.50
PF1344	1.49	0.00
PF1345	1.57	0.00
PF1346	1.89	0.00
PF1347	1.31	0.00
PF1348	1.76	0.02
PF1349	0.82	0.00
PF1350		1.00
PF1351	0.21	1.00
PF1352	-0.58	0.19
PF1353	-0.76	0.01
PF1354	0.25	1.00
PF1355	-0.73	0.00
PF1356	-0.44	0.07

PF1997	-0.36	1.00
PF1998	-1.06	0.00
PF1999	-0.73	0.00
PF2000	-0.45	0.03
PF2001	0.30	1.00
PF2002	1.36	0.73
PF2003	-1.13	0.00
PF2004	-0.39	1.00
PF2005	-0.17	1.00
PF2006	-0.23	1.00
PF2007	-0.21	1.00
PF2008	-0.21	1.00
PF2009	-0.40	1.00
PF2010	-0.51	0.18
PF2011	-0.86	0.14
PF2012	0.04	1.00
PF2013	1.17	0.36
PF2014	0.19	1.00
PF2015	-0.37	1.00
PF2016	-0.48	1.00
PF2017	0.21	0.82
PF2018	-1.32	0.02
PF2019	-1.32	0.01
PF2020	-0.85	0.08
PF2021	-1.12	0.01
PF2022		1.00
PF2023	-0.65	1.00
PF2024	-1.00	0.00
PF2025		1.00
PF2026	-0.62	0.01
PF2027		1.00
PF2028	0.11	1.00
PF2029		1.00
PF2030		1.00
PF2031	-0.77	0.35
PF2032	1.54	0.00
PF2033	-0.09	1.00
PF2034	-0.31	1.00
PF2035		1.00
PF2036	0.54	1.00
PF2037	1.05	0.04
PF2038	-0.40	0.48
PF2039	-0.81	0.00
PF2040	-0.57	0.00
PF2041	-0.31	1.00
PF2042	-0.32	1.00
PF2043	-0.04	1.00
PF2044	0.20	0.24



PF0668	0.31	1.00	PF1357	-0.48	1.00	PF2045	-0.23	1.00
PF0669	0.41	1.00	PF1358	-0.18	1.00	PF2046	-1.04	0.00
PF0670	0.44	0.10	PF1359	-0.15	1.00	PF2047	-0.28	1.00
PF0671	0.05	1.00	PF1360	-0.24	1.00	PF2048	-1.28	0.00
PF0672	0.06	1.00	PF1361	-0.75	0.00	PF2049	0.08	1.00
PF0673	-0.09	1.00	PF1362	-1.28	0.00	PF2050	-0.31	1.00
PF0674	-0.16	1.00	PF1363	-1.55	0.00	PF2051		0.00
PF0675	-0.34	1.00	PF1364	-1.52	0.00	PF2052	-0.83	0.02
PF0676		0.58	PF1365	-0.52	1.00	PF2053	0.48	1.00
PF0677	-0.09	1.00	PF1366	-0.78	0.00	PF2054	0.00	1.00
PF0678	-0.30	1.00	PF1367	0.63	0.05	PF2055	-0.30	0.07
PF0679	-1.41	0.00	PF1368	0.35	1.00	PF2056	0.27	1.00
PF0680	-0.32	1.00	PF1369	0.20	1.00	PF2057	0.03	1.00
PF0681	0.31	1.00	PF1370		1.00	PF2058	-0.16	1.00
PF0682	0.08	1.00	PF1371	0.41	1.00	PF2059	0.78	0.00
PF0683	-0.15	1.00	PF1372	-0.41	1.00	PF2060	0.03	1.00
PF0684	0.65	0.09	PF1373	-0.38	1.00	PF2061	-1.63	0.00
PF0685	-2.72	0.00	PF1374	-0.74	0.00	PF2062		1.00
PF0686	-3.07	0.00	PF1375	0.07	1.00	PF2063	0.24	1.00
PF0687	-3.42	0.00	PF1376	-0.51	1.00	PF2064	-0.85	0.38
PF0688	-0.87	0.00	PF1377	0.12	1.00	PF2065	-0.26	1.00
PF0689	-0.14	1.00						

**Table S2.**

GeneMate ORF Number	log <sub>2</sub> ratio (1 hr/0 hr)	P-value	log <sub>2</sub> ratio (2 hr/0 hr)	P-value	log <sub>2</sub> ratio (5 hr/0 hr)	P-value
PF0001	-1.59	1.00		1.00	-0.27	1.00
PF0002	-0.79	0.00	-1.29	1.00	-0.37	1.00
PF0003	-0.83	0.49	-0.68	1.00	-0.16	1.00
PF0004	-2.06	0.03		1.00	-1.25	1.00
PF0005	-2.04	0.00		1.00	-1.19	0.18
PF0006	0.14	1.00	0.02	1.00	0.19	1.00
PF0007		1.00		1.00	-0.91	0.01
PF0008	-0.80	1.00	-0.85	1.00	-0.32	1.00
PF0009	-0.56	1.00	-0.67	1.00	-0.20	1.00
PF0010	-1.41	0.00	-1.23	0.00	-0.43	0.01
PF0011	-0.92	0.24	-0.37	1.00	-0.01	1.00
PF0012	-0.73	0.02	-0.72	1.00	-0.36	1.00
PF0013	-0.99	0.06	-0.95	1.00	-0.47	1.00
PF0014	0.35	1.00	0.40	1.00	0.96	0.29
PF0015	0.37	1.00	0.68	1.00	0.77	1.00
PF0016	0.23	1.00	0.21	1.00	0.09	1.00
PF0017	-0.85	1.00	-0.77	1.00	-0.52	1.00
PF0018	-0.37	1.00	0.01	1.00	-0.03	1.00
PF0019	-0.25	1.00	0.21	1.00	0.60	1.00
PF0020	-1.08	0.00	-0.91	0.02	-0.49	0.11
PF0021	-1.22	1.00	-0.45	1.00	-0.03	1.00
PF0022	-0.18	1.00	-0.34	1.00	0.22	1.00
PF0023	-0.88	0.00	-1.78	1.00	0.65	1.00
PF0024	-0.36	1.00	-0.56	1.00	-0.41	1.00
PF0025	0.09	1.00	0.52	1.00	0.39	1.00
PF0026	-0.16	1.00	-0.01	1.00	-0.04	1.00
PF0027	-1.32	0.00	-1.42	0.02	-1.08	0.02
PF0028	0.74	1.00	0.10	1.00	1.10	1.00
PF0029	2.20	0.00	1.79	0.01	1.41	0.00
PF0030	2.26	0.00	1.76	0.05	1.88	0.00
PF0031	2.28	0.00	1.69	0.01	1.59	0.02
PF0032	-1.63	1.00		1.00	-1.17	0.00
PF0033		1.00		1.00		1.00
PF0034		1.00		1.00	-0.35	1.00
PF0035	-0.25	1.00		1.00	-0.51	1.00
PF0036	0.06	1.00	0.44	1.00	0.67	0.51
PF0037	-1.02	0.00	-1.46	1.00	-0.63	0.06
PF0038	-1.47	0.00	-1.41	0.08	-0.64	0.60
PF0039	-0.11	1.00	-0.37	1.00	-0.16	1.00
PF0040	-1.68	0.01	-1.66	1.00	-0.81	1.00
PF0041	-0.67	1.00	-0.39	1.00	-0.13	1.00
PF0042	-1.63	0.24	-1.42	0.43	-0.62	1.00
PF0043	0.01	1.00	0.09	1.00	0.68	1.00

PF0044	0.34	1.00	0.40	1.00	0.19	1.00
PF0045	0.03	1.00	0.38	1.00	0.28	1.00
PF0046	0.16	1.00	0.50	1.00	0.06	1.00
PF0047	0.34	1.00	0.29	1.00	0.93	1.00
PF0048	-0.28	1.00	-0.60	1.00	-0.25	1.00
PF0049	-1.58	1.00	-0.66	1.00	-0.17	1.00
PF0050	0.06	1.00	0.10	1.00	0.55	1.00
PF0051	-0.72	0.00	-0.59	1.00	-0.03	1.00
PF0052	-0.72	0.02	-0.70	0.21	-0.25	1.00
PF0053	-0.83	1.00	-0.57	1.00	0.04	1.00
PF0054	-0.91	0.06		1.00	-0.99	0.00
PF0055	-0.11	1.00	-0.12	1.00	-0.26	1.00
PF0056	-0.46	0.31	-0.75	0.01	-0.94	0.08
PF0057	0.30	1.00	0.20	1.00	0.16	1.00
PF0058	-0.04	1.00	0.33	1.00	-0.07	1.00
PF0059	0.29	1.00	0.15	1.00	0.06	1.00
PF0060	0.25	1.00	0.47	1.00	0.29	1.00
PF0061	-1.66	1.00		1.00		1.00
PF0062	0.25	1.00	-0.45	1.00	0.23	1.00
PF0063	0.73	1.00		1.00	0.33	1.00
PF0064		1.00		0.34	-3.41	0.00
PF0065	-0.36	1.00		1.00	0.07	1.00
PF0066	-0.49	1.00	-0.32	1.00	0.00	1.00
PF0067	-1.01	1.00		1.00	-0.44	1.00
PF0068	-0.24	1.00	-0.15	1.00	-0.06	1.00
PF0069	-0.68	0.07	-0.31	1.00	-0.51	0.14
PF0070	-1.42	0.00	-1.58	0.02	-0.70	1.00
PF0071	-0.34	1.00	-0.48	1.00	-0.31	1.00
PF0072	-0.08	1.00	0.37	1.00	0.38	1.00
PF0073	-0.48	1.00		1.00	0.17	1.00
PF0074	1.00	1.00	0.82	1.00	1.06	1.00
PF0075	1.22	1.00	0.64	1.00	0.82	1.00
PF0076		1.00		1.00	-0.66	1.00
PF0077	-1.24	0.87	-0.86	0.01	-0.54	1.00
PF0078	-0.59	1.00	-0.82	1.00	-0.36	0.70
PF0079	0.21	1.00	-0.21	1.00	0.00	1.00
PF0080	-0.77	0.96	-0.59	1.00	-1.06	0.79
PF0081	-1.57	0.01	-0.63	1.00	-1.31	0.01
PF0082	-0.77	1.00	-0.42	1.00	-0.46	1.00
PF0083	0.07	1.00	0.03	1.00	0.05	1.00
PF0084	0.68	1.00		1.00	0.39	1.00
PF0085	0.96	0.00	0.96	0.28	1.61	0.00
PF0086	0.59	0.16	0.46	1.00	0.75	0.07
PF0087	-0.10	1.00	-0.50	1.00	-0.22	1.00
PF0088	-0.42	1.00	-0.23	1.00	-0.15	1.00
PF0089	-0.69	1.00	-0.80	1.00	-0.73	1.00
PF0090	-2.26	0.00	-1.64	0.05	-2.48	0.00
PF0091	-0.60	0.00	-0.12	1.00	-0.45	1.00

PF0092	0.60	0.04	0.37	0.89	0.56	1.00
PF0093	0.02	1.00	-0.04	1.00	0.29	1.00
PF0094	1.93	0.00	1.52	0.02	0.67	1.00
PF0095	0.93	0.00	1.20	0.00	1.04	0.00
PF0096	0.09	1.00	0.56	1.00	0.45	1.00
PF0097	0.18	1.00	0.43	1.00	0.60	1.00
PF0098	0.24	1.00	0.34	1.00	0.44	1.00
PF0099	0.27	1.00	0.34	0.19	0.43	0.20
PF0100	0.23	1.00	0.01	1.00	-0.19	1.00
PF0101	2.28	0.00	1.46	1.00	0.68	1.00
PF0102	0.61	0.01	0.63	1.00	0.52	1.00
PF0103	-0.02	1.00	0.12	1.00	0.05	1.00
PF0104	-1.16	0.00		1.00	-0.66	1.00
PF0105	-1.44	1.00	-1.12	1.00	-0.33	1.00
PF0106	-0.63	1.00		1.00	0.27	1.00
PF0107	-0.26	1.00	-0.35	1.00	-0.46	1.00
PF0108	-0.81	1.00	-1.01	1.00	-0.77	0.56
PF0109	-0.28	1.00	-0.48	1.00	-0.54	1.00
PF0110	-1.03	0.01	-1.14	1.00	-0.61	1.00
PF0111	-0.76	1.00	-0.46	1.00	-0.49	0.41
PF0112	-0.14	1.00	-0.52	1.00	-0.65	1.00
PF0113	-0.69	0.02	-1.12	0.38	-0.75	0.75
PF0114	-0.81	0.02	-0.72	1.00	-0.35	0.38
PF0115	1.45	0.00	1.10	0.00	0.70	0.03
PF0116	-1.98	0.00		1.00	-1.45	0.00
PF0117	-2.30	0.00		0.93	-1.67	0.00
PF0118	-2.07	0.08		1.00	-1.67	0.00
PF0119	-2.02	0.00	-1.62	0.00	-1.81	0.00
PF0120	-3.52	0.00	-3.25	0.09	-1.68	0.00
PF0121	-5.03	0.00		0.00	-4.00	0.00
PF0122	-0.41	1.00	-0.62	0.61	-0.44	1.00
PF0123	-0.27	1.00	-0.28	1.00	0.22	1.00
PF0124	-0.68	1.00		1.00	-0.67	1.00
PF0125		1.00	-1.12	0.01		1.00
PF0126	0.96	0.03	0.99	0.08	0.82	1.00
PF0127	0.76	0.08	0.42	1.00	0.03	1.00
PF0128	-0.19	1.00	-0.24	1.00	-0.78	0.18
PF0129	-0.15	1.00	0.34	1.00	0.11	1.00
PF0130	0.10	1.00	-0.15	1.00	-0.07	1.00
PF0131	0.24	1.00	0.35	1.00	0.13	1.00
PF0132	-0.20	1.00	0.15	1.00	-0.02	1.00
PF0133	0.03	1.00	0.03	1.00	0.31	1.00
PF0134	-0.42	1.00	-0.30	0.10	-0.42	1.00
PF0135	0.96	0.00	0.59	0.06	0.04	1.00
PF0136	-0.37	1.00	-0.87	1.00	-0.35	1.00
PF0137	-1.58	0.77	-1.08	0.05	-1.29	0.04
PF0138	0.09	1.00	-0.14	1.00	-0.92	0.00
PF0139	-0.19	1.00	-0.05	1.00	-0.15	1.00

PF0140	0.30	1.00	0.30	1.00	-0.13	1.00
PF0141	-1.50	0.00	-1.68	0.31	-1.04	0.00
PF0142	-0.51	0.03	-0.36	1.00	-0.03	1.00
PF0143		0.01		1.00	-0.33	1.00
PF0144	-0.18	1.00	0.10	1.00	0.48	1.00
PF0145	-0.74	1.00	-0.60	1.00	-0.28	1.00
PF0146	-0.15	1.00	-0.64	1.00	-0.69	0.01
PF0147	0.01	1.00	-0.23	1.00	-0.58	1.00
PF0148	-0.01	1.00	-0.32	1.00	0.31	1.00
PF0149	-0.24	1.00	-0.24	1.00	-0.09	1.00
PF0150	-0.54	0.37	-0.35	1.00	-0.20	1.00
PF0151	-0.28	1.00	-0.15	1.00	-0.41	1.00
PF0152	-0.52	0.72	-0.41	0.23	-0.78	0.15
PF0153	-4.67	0.00		0.00	-4.25	0.00
PF0154	-2.85	0.01		0.71	-2.72	0.00
PF0155	0.57	1.00	0.51	1.00	1.07	1.00
PF0156	-0.10	1.00	-0.13	1.00	0.42	1.00
PF0157	-0.85	0.01	-1.75	0.16	-0.98	0.00
PF0158	-0.43	1.00	-0.16	1.00	-0.35	1.00
PF0159	0.34	0.34	0.20	1.00	-0.01	1.00
PF0160	0.36	1.00	0.33	1.00	0.00	1.00
PF0161	0.31	1.00	0.55	1.00	0.13	1.00
PF0162	-0.54	0.36	-0.45	1.00	-0.25	1.00
PF0163	-2.23	0.00	-2.02	0.00	-1.74	0.00
PF0164	0.32	1.00	0.29	1.00	0.17	1.00
PF0165	0.08	1.00	0.63	1.00	0.27	1.00
PF0166	0.29	1.00	0.87	1.00	0.56	1.00
PF0167	0.22	1.00	0.18	1.00	-0.04	1.00
PF0168	-0.53	0.00	-0.89	1.00	-0.88	0.03
PF0169	-0.96	0.00	-0.90	0.09	-0.78	0.20
PF0170	-1.41	0.14		1.00	-0.95	1.00
PF0171		1.00	-2.10	1.00	-1.71	0.24
PF0172	0.24	1.00	0.18	1.00	-0.34	1.00
PF0173	0.08	1.00	0.17	1.00	-0.06	1.00
PF0174	0.78	0.45	0.88	0.00	0.45	1.00
PF0175	0.27	0.78	0.40	0.27	0.20	1.00
PF0176	-1.04	0.00	-1.08	0.86	0.01	1.00
PF0177	-0.90	0.01	-0.44	1.00	-0.33	1.00
PF0178	-0.78	0.01	-0.55	0.48	-0.06	1.00
PF0179	-0.78	0.04	-0.72	0.01	0.33	1.00
PF0180	-0.61	0.18	-0.49	0.00	0.47	1.00
PF0181	-0.70	0.00	-0.63	0.30	0.36	1.00
PF0182	-0.62	1.00	-0.38	1.00	0.54	1.00
PF0183	-0.40	1.00	-0.02	1.00	0.63	1.00
PF0184	-0.09	1.00	0.03	1.00	0.88	1.00
PF0185	-0.69	0.13	-0.97	1.00	-0.43	1.00
PF0186	-1.28	0.03	-1.09	0.02	-0.56	1.00
PF0187	-0.12	1.00	-0.46	1.00	-0.06	1.00

PF0188	-0.09	1.00	-0.44	1.00	0.06	1.00
PF0189	1.03	0.01	0.43	1.00	0.75	0.10
PF0190	-0.61	0.16	-0.10	1.00	1.67	0.01
PF0191		0.45		0.01	-2.75	0.00
PF0192	-3.34	0.00	-3.57	0.09	-2.39	0.00
PF0193	-2.69	0.01	-2.47	0.21	-1.80	0.67
PF0194	-2.59	0.01	-2.82	0.48	-1.89	0.07
PF0195		1.00		0.62	-1.63	0.13
PF0196	-0.42	1.00	-0.66	0.13	-0.93	0.48
PF0197	-3.77	0.00		0.16		0.00
PF0198	-3.21	0.00		0.11	-2.75	0.00
PF0199		0.02		0.95	-2.36	0.00
PF0200	-0.42	1.00	-0.47	1.00	-0.27	1.00
PF0201	-1.21	1.00	-1.28	1.00	-0.39	1.00
PF0202	-1.43	0.03	-1.50	0.47	-0.55	1.00
PF0203	-1.55	0.01		1.00	-1.25	0.03
PF0204	1.64	0.00	1.98	0.00	1.01	0.51
PF0205	1.39	0.00	1.42	0.08	0.87	0.60
PF0206	0.19	1.00	0.12	1.00	0.13	1.00
PF0207	-2.96	0.00	-3.77	0.05	-3.08	0.00
PF0208	-2.95	0.01		1.00	-2.09	0.00
PF0209	-0.54	1.00	0.00	1.00		1.00
PF0210	0.72	1.00	0.96	1.00	0.39	1.00
PF0211	-0.99	1.00	-0.72	1.00	-0.86	1.00
PF0212	0.41	1.00		1.00	-0.04	1.00
PF0213	-0.46	0.87	-0.89	1.00	-0.96	0.10
PF0214	-0.85	0.11	-0.86	0.00	-1.09	0.00
PF0215	-0.17	1.00	-0.36	1.00	0.24	1.00
PF0216	-1.73	0.00		0.80	-1.22	0.58
PF0217	-0.08	1.00	-0.16	1.00	-0.36	1.00
PF0218	-0.37	1.00	-0.63	1.00	-0.41	1.00
PF0219	-0.51	1.00	-0.14	1.00	-0.16	1.00
PF0220	-0.86	0.00	-0.93	0.01	-0.82	0.10
PF0221	-1.61	0.00	-1.32	0.14	-0.57	1.00
PF0222	-2.23	0.00	-1.57	0.02	-1.19	0.00
PF0223	-1.71	0.00	-1.96	1.00	-1.55	0.00
PF0224	-1.65	0.00	-1.81	0.26	-1.58	0.00
PF0225	-0.39	1.00	-0.54	1.00	-0.19	1.00
PF0226	-0.78	0.39	-0.71	1.00	-0.03	1.00
PF0227		1.00		1.00		0.08
PF0228		1.00		1.00	-0.71	1.00
PF0229	-1.95	0.49		1.00	-1.47	0.01
PF0230	-0.81	0.30	-0.71	0.00	-0.63	0.49
PF0231	-0.95	0.05	-0.78	0.00	-0.99	0.00
PF0232	-1.44	0.00	-1.31	0.00	-1.23	0.00
PF0233	0.52	1.00	0.37	1.00	0.20	1.00
PF0234	-0.48	1.00	-0.01	1.00	-0.26	1.00
PF0235	-0.73	0.08	-0.64	1.00	-0.81	1.00

PF0236	-0.48	0.09	-0.70	0.03	-0.44	1.00
PF0237	-0.48	1.00	-0.28	1.00	-0.41	1.00
PF0238	-1.35	0.00	-1.06	0.06	-1.20	0.00
PF0239	-0.65	1.00	-0.44	1.00	-0.69	1.00
PF0240	-1.67	0.00	-1.53	0.06	-1.60	0.00
PF0241	-0.85	0.02	-0.66	0.01	-0.88	0.01
PF0242		1.00		1.00	-0.06	1.00
PF0243	0.47	1.00		1.00	-0.29	1.00
PF0244		1.00		1.00	-0.95	1.00
PF0245		1.00		1.00	-1.34	1.00
PF0246	0.66	1.00	0.53	1.00	-0.57	1.00
PF0247	-0.34	1.00	-0.79	1.00	-0.82	1.00
PF0248	-0.79	0.08	-0.97	0.03	-1.26	0.00
PF0249	-0.98	0.01	-0.91	1.00	-0.59	1.00
PF0250	-0.33	1.00	-0.05	1.00	0.52	1.00
PF0251	0.29	1.00	0.53	1.00	0.50	1.00
PF0252	0.09	1.00	0.15	1.00	-0.23	1.00
PF0253	-0.04	1.00	-0.48	1.00	-0.21	1.00
PF0254	-0.92	0.09	-0.98	1.00	0.17	1.00
PF0255	-0.11	1.00	-0.06	1.00	0.75	1.00
PF0256	-0.27	1.00	-0.36	1.00	0.35	1.00
PF0257	-0.51	1.00	-0.77	1.00	-0.17	1.00
PF0258	0.01	1.00	-0.65	1.00	-0.73	0.01
PF0259	0.01	1.00	-0.36	1.00	-0.26	1.00
PF0260	0.02	1.00	0.18	1.00	-0.42	1.00
PF0261	0.84	1.00	0.28	1.00	0.13	1.00
PF0262	1.26	0.00	0.95	0.38	0.06	1.00
PF0263	0.56	1.00	-0.31	1.00	-1.51	0.43
PF0264	1.60	0.00	1.26	0.00	0.90	0.06
PF0265	-1.48	0.00	-1.01	0.01	-0.23	1.00
PF0266	-1.88	1.00	-1.97	1.00	-1.11	0.00
PF0267	-1.06	0.04	-1.36	0.92	-0.97	0.00
PF0268	-1.23	0.29	-0.87	1.00	-0.62	0.91
PF0269	-0.88	0.35		1.00		1.00
PF0270	0.16	1.00	0.13	1.00	0.05	1.00
PF0271	-1.08	0.20	-1.11	0.03	-0.34	1.00
PF0272	-2.75	0.00	-2.20	0.00	-1.42	0.00
PF0273	-1.12	0.00	-1.36	0.66	-1.03	0.01
PF0274	-0.29	1.00	0.36	1.00	0.29	1.00
PF0275	0.90	1.00	0.51	1.00	1.18	1.00
PF0276	2.01	0.00	1.61	0.00	1.43	0.00
PF0277	0.06	1.00	-0.24	1.00	0.00	1.00
PF0278	0.09	1.00	0.19	1.00	-0.08	1.00
PF0279	-0.82	0.19	-0.93	0.30	-1.33	0.07
PF0280	-2.11	0.27		1.00	-1.38	0.05
PF0281	-0.05	1.00	-0.21	1.00	-0.32	1.00
PF0282	-0.31	1.00	-0.31	1.00	-0.29	1.00
PF0283	-1.89	0.03	-1.12	1.00	-1.62	0.58

PF0284	-1.47	0.01		0.29	-2.29	0.00
PF0285	0.82	0.00	0.80	0.00	0.99	0.00
PF0286	0.45	1.00	0.84	1.00	0.69	1.00
PF0287	0.49	1.00	0.74	1.00	1.39	1.00
PF0288	-1.37	1.00	-1.54	0.19	-2.48	0.00
PF0289	-0.49	1.00	-0.84	0.77	-2.07	0.10
PF0290	-0.59	1.00	-0.50	1.00	-0.45	1.00
PF0291	-1.08	1.00		1.00	-0.87	0.12
PF0292	-0.11	1.00	-0.08	1.00	0.07	1.00
PF0293	0.28	1.00	0.69	1.00	1.05	0.49
PF0294	0.36	1.00	0.85	0.22	1.96	1.00
PF0295	0.61	1.00	1.11	0.14	1.41	0.00
PF0296	0.13	1.00	0.63	1.00	0.86	0.77
PF0297	0.60	1.00	0.39	1.00	0.46	1.00
PF0298	-0.14	1.00	-0.26	1.00	-0.13	1.00
PF0299	-0.65	1.00	-0.83	1.00		1.00
PF0300	-1.04	1.00	-0.66	1.00		0.05
PF0301	-0.35	1.00		1.00	-0.23	1.00
PF0302	-0.34	1.00	-0.27	1.00	-0.35	1.00
PF0303	-0.77	0.13	-0.63	0.05	-0.98	0.50
PF0304	-0.79	1.00		1.00	-0.47	1.00
PF0305	-0.50	1.00	-0.43	1.00		1.00
PF0306	-0.49	1.00	-0.25	1.00	0.35	1.00
PF0307	0.26	1.00	0.50	1.00	0.59	0.19
PF0308	-0.21	1.00	-0.18	1.00	-0.33	1.00
PF0309	0.47	1.00	1.12	0.01	1.15	0.01
PF0310	0.18	1.00	0.67	1.00	0.97	0.13
PF0311	-0.22	1.00	0.23	1.00	1.24	0.66
PF0312	1.15	0.00	1.22	0.00	1.39	0.00
PF0313	-1.40	0.00	-1.50	1.00	-0.69	1.00
PF0314	-0.99	0.11		1.00		1.00
PF0315	-0.73	0.30	-0.29	1.00	-0.14	1.00
PF0316	0.49	0.53	0.67	0.77	0.38	1.00
PF0317	-1.59	0.37		1.00	-1.09	0.53
PF0318	2.01	0.00	2.18	0.00	1.92	0.00
PF0319	-1.03	0.00	-1.87	1.00	-1.23	0.04
PF0320	-0.92	0.72	-0.42	1.00	-0.33	1.00
PF0321	-0.01	1.00	-0.35	1.00	-0.40	1.00
PF0322	-1.30	0.00		1.00	-1.23	0.00
PF0323	0.45	1.00	0.49	1.00	0.90	1.00
PF0324	1.99	0.02	2.37	0.00	4.57	0.06
PF0325	1.82	0.02	2.26	0.00	4.41	0.00
PF0326	-0.52	1.00	-0.16	1.00	2.28	0.00
PF0327	-0.81	1.00	-0.74	1.00	2.15	1.00
PF0328	-0.92	1.00	-0.27	1.00	1.02	0.42
PF0329	-0.49	1.00	-0.70	1.00	-0.08	1.00
PF0330	-0.61	1.00		1.00	-0.59	1.00
PF0331	-0.06	1.00	-0.32	1.00	-0.18	1.00



PF0332	-0.82	1.00		1.00	-0.34	1.00
PF0333	-0.62	1.00	-1.15	1.00	-0.34	1.00
PF0334	-0.59	1.00	-0.81	1.00	0.25	1.00
PF0335	0.30	1.00	0.12	1.00	0.28	1.00
PF0336	0.46	1.00	0.52	1.00		1.00
PF0337	-0.19	1.00	0.00	1.00	0.59	0.26
PF0338	0.39	1.00		1.00	0.72	0.92
PF0339	-5.17	0.00		0.01	-3.59	0.00
PF0340		1.00		0.09	-3.09	0.00
PF0341	-1.39	1.00	-1.13	0.81	-0.27	1.00
PF0342	-0.23	1.00	-0.08	1.00	-0.34	1.00
PF0343	0.06	1.00	0.20	1.00	0.34	1.00
PF0344	-0.82	0.00	-0.32	1.00	0.03	1.00
PF0345	-0.94	0.02	-0.94	1.00	0.01	1.00
PF0346	-2.77	0.00		0.34	-2.08	0.00
PF0347	-2.02	0.00	-2.37	0.00	-2.07	0.00
PF0348	-0.28	1.00	-0.84	1.00	-0.59	1.00
PF0349	-1.01	0.00	-1.50	1.00	-1.03	0.01
PF0350	-1.44	0.00	-1.32	0.02	-1.65	0.01
PF0351	-0.83	0.00	-0.74	1.00	-0.95	0.00
PF0352	-0.74	0.00	-0.79	1.00	-0.75	0.29
PF0353	0.32	1.00	0.19	1.00	-0.34	1.00
PF0354	-0.62	0.26	-0.71	1.00	-0.65	0.09
PF0355	-0.79	0.00	-1.08	0.12	-0.72	0.01
PF0356	-0.51	1.00	-0.69	1.00	-0.75	1.00
PF0357		1.00	-0.15	1.00	-0.71	1.00
PF0358		1.00		1.00	-0.74	1.00
PF0359		1.00		1.00	-0.52	0.08
PF0360	-0.39	1.00		1.00	-0.10	1.00
PF0361	-0.37	1.00	-0.47	1.00	-0.19	1.00
PF0362	-0.54	1.00	-0.44	1.00	-0.13	1.00
PF0363	-0.80	0.83	-0.38	1.00	-0.11	1.00
PF0364	-0.09	1.00		1.00	-0.29	1.00
PF0365		1.00	-1.45	1.00	-0.87	1.00
PF0366	0.08	1.00		1.00	-0.26	1.00
PF0367	0.64	0.37	0.80	0.01	0.81	0.26
PF0368	0.64	1.00	0.96	0.03	0.78	1.00
PF0369	0.90	0.27	1.28	0.00	0.95	1.00
PF0370	1.02	0.11	1.22	0.00	0.80	1.00
PF0371	-0.38	1.00	-0.01	1.00	0.29	1.00
PF0372	-0.44	1.00		1.00	-0.54	1.00
PF0373	-0.56	0.37	-0.54	1.00	-0.37	1.00
PF0374	0.42	1.00	1.00	1.00	0.44	1.00
PF0375	-0.20	1.00	-0.27	1.00	-0.37	1.00
PF0376	0.36	0.78	0.48	1.00	0.44	1.00
PF0377	-0.02	1.00	0.30	1.00	0.27	1.00
PF0378	0.13	1.00	0.32	1.00	-0.04	1.00
PF0379	0.24	1.00	0.21	1.00	0.19	1.00

PF0380	-1.34	0.00	-1.55	0.00	-1.02	0.00
PF0381	0.47	0.02	0.16	1.00	0.13	1.00
PF0382	0.32	1.00	0.03	1.00	0.06	1.00
PF0383	0.20	1.00	0.17	1.00	0.23	1.00
PF0384	0.37	0.17	0.26	1.00	0.58	1.00
PF0385	0.29	1.00	-0.06	1.00	0.52	1.00
PF0386	0.04	1.00	0.04	1.00	0.27	1.00
PF0387	-0.10	1.00	-0.04	1.00	0.09	1.00
PF0388	0.11	1.00		1.00	-0.26	1.00
PF0389	-0.16	1.00	-0.61	1.00	-0.05	1.00
PF0390	-0.20	1.00	-0.12	1.00	-0.56	1.00
PF0391	0.05	1.00	-0.32	1.00		1.00
PF0392	0.05	1.00	-0.02	1.00	-0.64	0.20
PF0393		1.00	-1.49	0.20	-1.09	1.00
PF0394	-0.69	1.00		1.00	-0.59	1.00
PF0395	-0.40	1.00	-0.41	1.00	-0.63	0.00
PF0396	-0.24	1.00	-0.82	1.00	-0.96	0.14
PF0397	0.05	1.00	-1.16	1.00	-0.68	0.28
PF0398	-1.07	1.00		1.00		1.00
PF0399	-0.12	1.00	0.10	1.00	-0.17	1.00
PF0400	-0.67	0.00	-0.95	0.80	-0.72	0.53
PF0401	-0.13	1.00	0.07	1.00	0.70	1.00
PF0402	-0.85	0.02	-0.40	1.00	-0.26	1.00
PF0403	-0.50	1.00	-0.11	1.00	0.14	1.00
PF0404	-0.46	0.02	-0.25	1.00	-0.38	1.00
PF0405	-0.70	0.01	-0.60	0.52	-0.55	0.34
PF0406	0.12	1.00	-0.02	1.00	0.03	1.00
PF0407	0.39	0.11	0.11	1.00	0.19	1.00
PF0408	-0.99	0.00	-0.56	1.00	-0.86	0.00
PF0409	-0.50	0.02	-0.54	1.00	-0.83	0.00
PF0410	-1.02	0.01		1.00	-0.68	0.39
PF0411	-0.04	1.00	0.03	1.00	-0.51	1.00
PF0412	-0.25	1.00	-0.19	1.00	-0.66	1.00
PF0413	0.06	1.00	0.01	1.00	-0.23	1.00
PF0414	-0.57	1.00	0.15	1.00		1.00
PF0415	0.19	1.00		1.00	0.15	1.00
PF0416	0.47	1.00	0.53	1.00	0.42	1.00
PF0417	0.88	0.44	0.98	0.20	0.90	1.00
PF0418	0.64	1.00	0.69	1.00	0.78	1.00
PF0419	0.86	0.04	0.94	0.94	1.04	0.56
PF0420	1.12	0.00	0.99	0.01	0.87	0.01
PF0421	-1.61	0.01		1.00	-1.99	0.00
PF0422	-2.00	0.77	-2.33	1.00	-1.62	1.00
PF0423	-0.37	1.00	-0.37	1.00	-0.05	1.00
PF0424	-1.50	0.11	-2.05	1.00	-0.62	1.00
PF0425		1.00		1.00	-1.19	0.63
PF0426	-3.39	0.00	-3.65	0.00	-2.88	0.00
PF0427	-2.55	0.00		1.00	-1.78	0.00

PF0428	0.31	1.00	0.58	1.00	1.01	1.00
PF0429	-0.98	0.06	-1.14	1.00	-0.22	1.00
PF0430	-2.03	0.00	-1.43	0.01	-1.63	0.00
PF0431	-2.96	0.03		0.45	-2.59	0.00
PF0432	0.19	1.00	0.08	1.00	0.19	1.00
PF0433		1.00		1.00	-0.11	1.00
PF0434		1.00		1.00	-0.85	1.00
PF0435		1.00		1.00		0.00
PF0436		1.00		1.00	-0.86	1.00
PF0437	-1.86	1.00		1.00	-1.01	0.01
PF0438		1.00		1.00	-1.10	1.00
PF0439	0.09	1.00	0.17	1.00	0.15	1.00
PF0440	0.08	1.00	0.60	1.00	-0.46	1.00
PF0441	-1.82	0.00	-2.42	0.10	-1.19	0.00
PF0442	-2.07	0.00	-2.02	0.00	-1.56	0.00
PF0443	-2.37	0.00	-2.18	0.00	-1.27	0.02
PF0444	-3.62	0.03		0.23	-1.80	0.00
PF0445	-3.35	0.00		0.04	-1.62	0.00
PF0446		1.00		1.00	-0.56	1.00
PF0447	0.18	1.00	-0.73	1.00	-0.44	1.00
PF0448	-0.77	0.01		1.00	-1.05	0.77
PF0449	-2.22	0.00	-1.44	0.00	-1.07	1.00
PF0450	-1.82	0.00		1.00	-0.60	0.65
PF0451		1.00		1.00	-0.10	1.00
PF0452	0.80	0.03	0.63	1.00	0.78	0.24
PF0453	0.45	0.02	0.47	1.00	0.76	0.62
PF0454	0.09	1.00	0.02	1.00	-0.37	1.00
PF0455	-0.20	1.00	0.79	1.00	0.28	1.00
PF0456	1.08	1.00	0.75	1.00	0.77	0.15
PF0457	-0.99	0.00	-1.02	0.42	-0.87	0.02
PF0458	-0.32	1.00	-0.19	1.00	-0.05	1.00
PF0459	-0.35	0.28	-0.63	1.00	-0.40	0.09
PF0460	-0.10	1.00	-0.08	1.00	-0.18	1.00
PF0461	-0.73	1.00	-0.87	1.00	-0.50	1.00
PF0462	-1.00	0.00	-1.06	0.17	-0.79	0.56
PF0463	0.08	1.00	-0.08	1.00	0.02	1.00
PF0464	-0.31	1.00	-0.24	1.00	-0.33	1.00
PF0465	-0.51	0.04	-0.66	1.00	-0.53	0.03
PF0466	0.03	1.00	-0.06	1.00	0.08	1.00
PF0467	0.49	0.00	0.22	1.00	0.40	1.00
PF0468		1.00	-1.53	1.00	-0.87	0.01
PF0469	-1.30	0.00		1.00	-1.36	0.01
PF0470	-0.67	0.23		1.00	-1.14	0.18
PF0471	-1.19	0.00	-0.94	0.27	-0.96	0.85
PF0472		1.00	-0.81	1.00	-0.91	1.00
PF0473	-0.07	1.00	-0.31	1.00	-0.59	0.28
PF0474	0.16	1.00	-0.14	1.00	-0.05	1.00
PF0475	0.43	0.01	0.20	1.00	-0.06	1.00

PF0476	-0.73	0.35	-1.33	1.00	-0.28	1.00
PF0477	-1.02	1.00	-0.62	1.00	-1.17	0.01
PF0478	-0.22	1.00	-0.64	1.00	-0.85	1.00
PF0479	-1.65	0.00	-2.08	1.00	-1.43	0.00
PF0480	-0.10	1.00	-0.26	1.00	-0.56	0.79
PF0481	1.32	0.00	1.10	0.00	0.61	1.00
PF0482	-0.76	0.00	-0.94	0.35	-0.73	0.02
PF0483	-1.19	0.03		1.00	-1.26	0.10
PF0484	-1.91	0.00	-1.90	0.00	-1.96	0.00
PF0485	-0.92	0.00	-1.34	1.00	-1.27	0.00
PF0486	-0.45	1.00	-0.20	1.00	-0.57	1.00
PF0487	-0.19	1.00	0.16	1.00	0.08	1.00
PF0488	1.04	1.00	0.55	0.12	0.28	1.00
PF0489	-1.21	0.18	-0.51	0.18	-0.30	1.00
PF0490	-0.34	1.00	-0.32	1.00	-0.11	1.00
PF0491	0.04	1.00	0.02	1.00	0.12	1.00
PF0492	-0.61	1.00	-0.69	0.61	-0.50	1.00
PF0493	-1.29	0.00	-1.72	0.01	-1.65	0.00
PF0494	-0.37	0.53	-1.09	1.00	-0.78	1.00
PF0495	-0.28	1.00	-0.45	1.00	-0.44	1.00
PF0496	-0.35	1.00	-0.54	1.00	-0.80	0.06
PF0497	-0.05	1.00	-0.65	1.00	0.16	1.00
PF0498	-0.66	0.03		1.00	0.10	1.00
PF0499	-0.69	0.01	-0.67	1.00	0.11	1.00
PF0500	-0.72	0.01	-0.65	1.00	0.00	1.00
PF0501	-0.34	1.00	-0.14	1.00	0.04	1.00
PF0502	-0.63	0.01	-0.61	1.00	-0.70	0.16
PF0503	-0.23	1.00	-0.03	1.00	-0.57	1.00
PF0504	-0.19	1.00	-0.47	1.00	-0.08	1.00
PF0505	-1.38	0.00	-1.74	0.05	-1.20	0.00
PF0506	0.27	1.00	1.28	1.00	0.78	1.00
PF0507	-1.46	1.00		1.00		1.00
PF0508	-0.44	1.00		1.00	0.27	1.00
PF0509	0.97	0.01	1.27	0.00	1.22	1.00
PF0510	0.68	0.74	1.05	0.01	0.97	0.00
PF0511	0.52	0.04	0.55	0.09	0.56	0.21
PF0512	0.37	0.37	0.30	1.00	-0.11	1.00
PF0513	-0.97	1.00	-1.06	1.00	-1.39	0.16
PF0514	-1.49	1.00	-1.56	1.00	-0.39	1.00
PF0515	-0.18	1.00	0.55	1.00		1.00
PF0516	0.37	1.00	0.62	1.00	1.05	0.01
PF0517	0.02	1.00	0.71	0.20	0.46	1.00
PF0518	-0.22	1.00	0.41	1.00	0.67	1.00
PF0519	-0.64	1.00	-0.34	1.00	-0.54	1.00
PF0520	0.11	1.00	-0.52	1.00	-0.40	1.00
PF0521	-0.21	1.00	-0.59	1.00	-0.34	1.00
PF0522	-0.03	1.00	-0.49	1.00	-0.78	0.29
PF0523	0.08	1.00	-1.62	1.00	0.56	1.00

PF0524	0.39	1.00	0.09	1.00	0.56	1.00
PF0525	-0.53	1.00	-0.65	1.00	-0.46	1.00
PF0526	-0.89	0.00	-1.05	0.02	-0.88	0.18
PF0527	-0.67	1.00		1.00	-0.57	1.00
PF0528	-1.74	0.13		1.00		0.07
PF0529	-2.10	0.05		1.00	-1.01	0.08
PF0530	-2.57	0.00	-1.65	1.00	-1.25	0.00
PF0531	-2.53	0.00	-1.43	0.03	-1.28	0.00
PF0532	-1.53	0.21	-1.27	1.00	-1.13	1.00
PF0533	-1.20	1.00	-0.84	1.00	-0.85	1.00
PF0534	-0.75	0.89	-0.67	1.00	-1.01	1.00
PF0535	-1.07	0.00	-1.45	1.00	-1.17	0.37
PF0536	-0.30	1.00	-0.04	1.00	-0.48	1.00
PF0537	0.02	1.00	-0.19	1.00	-0.11	1.00
PF0538	-0.20	1.00	-0.25	1.00	-0.31	1.00
PF0539	-0.65	0.66	-0.46	0.02	-0.48	1.00
PF0540	0.29	1.00	0.19	1.00	-0.26	1.00
PF0541	-0.55	1.00	-0.61	1.00	-0.94	0.91
PF0542	-0.45	0.16	-0.14	1.00	-0.29	1.00
PF0543		0.00		1.00	-1.28	0.00
PF0544	-2.15	0.00		0.03	-1.83	0.00
PF0545	-3.44	0.00		0.11	-2.56	0.00
PF0546	-3.73	0.00	-4.05	0.00	-3.08	0.00
PF0547	-3.55	0.00	-3.21	0.00	-1.67	0.00
PF0548	0.16	1.00	-0.04	1.00	-0.16	1.00
PF0549	-0.39	1.00	-0.22	1.00	-0.67	0.97
PF0550		1.00		1.00	-0.45	1.00
PF0551		1.00	0.39	1.00	0.08	1.00
PF0552	0.74	1.00	-0.12	1.00	1.12	0.26
PF0553	-0.82	0.08	-0.98	0.00	-0.09	1.00
PF0554	-0.34	1.00	-0.43	1.00	-1.01	0.91
PF0555	-0.34	1.00	-0.53	1.00	-0.57	0.16
PF0556	0.74	1.00	0.44	1.00		1.00
PF0557	0.95	0.00	0.79	0.13	0.49	1.00
PF0558	-0.04	1.00	-0.02	1.00	-0.10	1.00
PF0559	-0.02	1.00	-0.15	1.00	0.26	1.00
PF0560	-1.80	0.00		1.00	-1.53	0.69
PF0561	-0.94	0.04	-1.28	1.00	-1.10	1.00
PF0562	-1.01	0.01	-0.67	1.00	-1.06	0.00
PF0563		0.89		0.88	-1.58	0.16
PF0564	-0.61	1.00	-1.06	1.00	-0.28	1.00
PF0565	-0.07	1.00		1.00		1.00
PF0566	-0.40	1.00	-0.57	1.00	0.05	1.00
PF0567	-1.16	1.00		1.00	-0.39	1.00
PF0568	-0.41	1.00		1.00	-1.06	0.09
PF0569	-0.32	1.00		1.00	-0.82	0.75
PF0570	-0.51	1.00	-0.93	1.00	-0.69	0.66
PF0571		1.00		1.00	0.18	1.00

PF0572	0.19	1.00	0.15	1.00	0.34	1.00
PF0573		1.00		1.00		1.00
PF0574	-0.15	1.00	-0.31	1.00	-0.25	1.00
PF0575		1.00		1.00		1.00
PF0576	-1.12	1.00		1.00		1.00
PF0577	0.10	1.00	0.31	1.00	0.01	1.00
PF0578	-0.40	1.00	-0.11	1.00	-0.35	1.00
PF0579	-0.59	1.00	-0.08	1.00	0.02	1.00
PF0580	-0.51	1.00	-0.53	1.00	-0.31	1.00
PF0581	-1.61	0.39		1.00	-0.95	0.00
PF0582		1.00		1.00	-0.13	1.00
PF0583	-0.05	1.00	-0.17	1.00		1.00
PF0584		1.00		1.00	-0.69	1.00
PF0585	-0.29	1.00		1.00	-0.65	1.00
PF0586	-1.44	1.00		1.00	-0.62	1.00
PF0587	-0.28	1.00	-0.62	1.00	-0.63	0.19
PF0588	0.63	1.00	0.63	1.00		1.00
PF0589	-0.57	0.03	-0.52	0.01	0.17	1.00
PF0590	-0.33	0.17	-0.65	1.00	0.17	1.00
PF0591	-0.38	0.17	-0.52	1.00	-0.07	1.00
PF0592	-1.05	0.49	-0.61	1.00	-0.15	1.00
PF0593	-1.09	0.77	-1.13	1.00	-0.75	1.00
PF0594	0.45	1.00	0.63	1.00	-0.11	1.00
PF0595	-0.43	0.47		1.00	-1.09	0.00
PF0596	-0.32	1.00	-0.38	0.89	-0.54	0.16
PF0597	-0.12	1.00	-0.63	1.00	-0.68	1.00
PF0598	-0.52	1.00	-0.43	1.00	-0.19	1.00
PF0599	-0.94	0.00	-1.21	0.01	-0.97	0.90
PF0600	0.25	1.00	-0.05	1.00	-0.10	1.00
PF0601	-0.66	1.00	-0.65	1.00	-0.88	0.43
PF0602	-0.05	1.00	-0.28	1.00	-0.26	1.00
PF0603	-0.28	1.00	-0.09	1.00	-0.24	1.00
PF0604	-0.37	0.19		1.00	-0.41	1.00
PF0605	-0.70	0.00	-0.67	0.00	-0.54	1.00
PF0606	-0.35	1.00	-0.33	1.00	-0.60	1.00
PF0607	-0.02	1.00	-0.29	1.00	-0.13	1.00
PF0608	0.01	1.00	0.09	1.00	-0.06	1.00
PF0609	-0.47	1.00	-0.23	1.00	0.11	1.00
PF0610	0.01	1.00	-0.60	1.00	-0.09	1.00
PF0611	-0.05	1.00		1.00	-0.14	1.00
PF0612	-0.03	1.00	-0.19	1.00	-0.48	1.00
PF0613	-0.48	1.00		1.00	-0.51	1.00
PF0614	-0.98	0.11		1.00	-0.62	1.00
PF0615	-0.44	0.27	-0.58	1.00	-0.17	1.00
PF0616	-0.51	0.06	-0.75	0.57	-0.26	1.00
PF0617	-0.58	0.01	-0.60	1.00	-0.41	1.00
PF0618	-1.12	0.19	-1.13	0.14	-0.85	1.00
PF0619	-0.38	1.00	-0.23	1.00	-0.49	1.00

PF0620	-1.44	0.00		1.00	-1.75	0.00
PF0621	-1.77	0.00	-1.89	0.01	-1.88	0.00
PF0622	-0.73	1.00	-0.39	1.00	-0.37	1.00
PF0623	0.72	0.12	0.95	0.00	0.66	1.00
PF0624		0.83		0.59	-1.74	0.00
PF0625	-0.06	1.00	-0.40	0.00	-0.97	0.02
PF0626	-1.65	0.00		1.00	-1.09	1.00
PF0627		1.00		1.00	-0.42	1.00
PF0628	-1.86	0.02		1.00	-0.98	0.24
PF0629	-1.09	0.77	-0.35	1.00	-0.44	1.00
PF0630	0.09	1.00	-0.53	1.00	-0.60	1.00
PF0631	-0.55	1.00		1.00	-0.89	0.06
PF0632		0.78		1.00	-1.85	0.00
PF0633	-0.91	0.00	-1.07	0.00	-1.22	0.22
PF0634	-0.87	0.00	-0.83	1.00	-1.11	1.00
PF0635	-2.16	1.00		1.00	-1.35	0.00
PF0636	-2.54	0.00		0.81	-1.74	0.02
PF0637	-1.33	0.05	-1.33	1.00	-0.94	0.03
PF0638		0.02		1.00	-1.15	0.02
PF0639	-1.28	0.18		1.00	-0.98	1.00
PF0640	-1.18	0.15	-1.32	1.00	-0.88	1.00
PF0641	-1.43	1.00	-1.38	0.15	-0.90	1.00
PF0642	-1.02	0.10	-0.96	0.49	-1.01	0.06
PF0643	-1.23	0.24	-1.08	1.00	-0.76	1.00
PF0644	-0.04	1.00	-0.85	1.00	-0.44	1.00
PF0645	-0.36	1.00		1.00	-0.04	1.00
PF0646	-0.52	1.00		1.00	-0.30	1.00
PF0647	0.22	1.00	0.12	1.00	-0.07	1.00
PF0648		1.00		1.00	-0.89	1.00
PF0649	-0.43	1.00		1.00	-0.94	1.00
PF0650	0.85	0.34	0.72	1.00	-0.25	1.00
PF0651	3.05	0.00	2.85	0.00	0.89	1.00
PF0652	-0.12	1.00	0.01	1.00	-0.21	1.00
PF0653	-0.99	0.00	-0.60	1.00	-0.31	1.00
PF0654	-1.55	0.58		1.00		1.00
PF0655		1.00		1.00	-1.18	0.01
PF0656	0.14	1.00	-0.19	1.00	-0.32	1.00
PF0657		0.83		0.59	-1.50	0.01
PF0658		1.00		1.00	-0.83	1.00
PF0659	-1.35	0.03		1.00	-1.15	0.95
PF0660		1.00		1.00	-1.18	0.02
PF0661	-0.25	1.00	-0.57	1.00	-1.07	0.05
PF0662		1.00		1.00	-0.98	1.00
PF0663	-0.99	1.00		1.00	-1.11	1.00
PF0664	-0.66	1.00	0.64	1.00	-0.41	1.00
PF0665	0.18	1.00	0.54	0.29	0.67	1.00
PF0666	0.04	1.00	0.21	1.00	-0.19	1.00
PF0667	-0.74	0.40	-0.66	0.40	-0.63	0.13

PF0668	0.42	1.00	0.46	1.00	0.29	1.00
PF0669	1.15	0.00	0.79	0.21	0.23	1.00
PF0670	0.82	0.05	0.52	1.00	0.46	1.00
PF0671	-0.60	1.00	-0.51	1.00	0.06	1.00
PF0672	-0.63	1.00	-0.53	1.00	0.23	1.00
PF0673	-0.59	1.00	-0.53	1.00	0.44	1.00
PF0674	-0.65	1.00	-0.33	1.00	0.18	1.00
PF0675		1.00		1.00	-0.78	1.00
PF0676		1.00		0.06		1.00
PF0677	-0.14	1.00	-0.52	1.00	0.02	1.00
PF0678	0.83	0.04	0.43	1.00	0.17	1.00
PF0679	-1.13	0.06	-1.25	0.01	-1.16	0.00
PF0680	-0.98	0.00	-1.76	1.00	-1.50	0.00
PF0681	-2.25	0.00		0.69	-2.39	0.00
PF0682	-0.75	0.04	-0.81	1.00	-1.00	0.07
PF0683	-0.63	0.01	-1.05	1.00	-1.02	0.26
PF0684	-0.96	0.00	-0.65	0.29	-0.77	1.00
PF0685	-2.26	0.00	-2.23	0.01	-1.60	0.00
PF0686	-2.48	0.00		1.00	-1.47	0.00
PF0687	-3.28	0.00	-3.27	0.04	-2.28	0.00
PF0688	-1.44	0.00	-1.43	0.00	-1.23	0.00
PF0689	-0.61	1.00		1.00	-0.48	1.00
PF0690		1.00	-0.71	1.00	-0.75	1.00
PF0691	-0.74	0.27		1.00	-0.87	1.00
PF0692	0.83	0.96	1.31	0.84	0.33	1.00
PF0693	-0.29	1.00	-0.04	1.00	-1.27	0.00
PF0694	-1.39	0.02	-0.94	0.38	-1.63	0.05
PF0695	-0.99	0.47	-0.36	1.00	-1.25	0.32
PF0696	-1.14	1.00		1.00	-0.95	1.00
PF0697		1.00		1.00	-1.10	0.60
PF0698		1.00		1.00	-0.96	1.00
PF0699		1.00		1.00	-0.71	1.00
PF0700		1.00		1.00	0.22	1.00
PF0701	-0.55	1.00		1.00	0.34	1.00
PF0702		1.00		1.00	-0.65	1.00
PF0703	-1.02	1.00	-0.64	1.00	-0.48	1.00
PF0704	-1.59	0.13		1.00	-1.01	1.00
PF0705	-0.80	1.00	-0.47	1.00	-0.77	1.00
PF0706	-0.80	1.00		1.00	-0.89	0.00
PF0707	0.09	1.00	-0.22	1.00	-0.88	1.00
PF0708	0.06	1.00	0.66	1.00	0.32	1.00
PF0709	0.61	1.00	0.76	1.00	1.08	1.00
PF0710	0.33	1.00	0.72	1.00	0.51	1.00
PF0711		1.00		1.00	-0.89	1.00
PF0712		1.00		1.00	-0.38	1.00
PF0713	0.55	1.00		1.00	0.08	1.00
PF0714	-0.20	1.00	-0.27	1.00	-0.07	1.00
PF0715	-0.46	1.00	-0.54	1.00	-0.83	1.00



PF0716	1.19	0.00	1.02	0.00	0.28	1.00
PF0717	-1.14	0.87		1.00	-0.92	0.25
PF0718	1.57	0.02	2.02	0.00	1.35	0.18
PF0719	0.69	1.00	0.50	1.00	0.97	1.00
PF0720		1.00		1.00	0.61	1.00
PF0721	1.41	0.00	1.15	0.01	1.57	0.00
PF0722	-1.64	1.00	-0.84	1.00	-2.81	0.00
PF0723	-2.80	0.00	-1.90	0.00	-2.37	0.00
PF0724	0.85	0.00	0.54	1.00	0.50	1.00
PF0725	0.19	1.00	0.04	1.00	-0.42	1.00
PF0726	0.25	1.00	0.20	1.00	-0.09	1.00
PF0727	0.71	0.00	0.59	1.00	0.33	1.00
PF0728		1.00		1.00		0.22
PF0729		1.00		1.00	-0.95	1.00
PF0730		1.00		1.00	-0.99	0.03
PF0731		1.00		1.00	-0.46	1.00
PF0732		1.00		1.00		0.62
PF0733	-0.63	1.00		1.00	-0.10	1.00
PF0734		1.00		1.00	-1.14	0.91
PF0735		1.00		1.00		0.02
PF0736	-2.55	0.00	-1.78	0.07	-1.75	0.00
PF0737	-0.04	1.00		1.00	-0.52	1.00
PF0738	0.89	0.11	0.37	1.00	-0.37	1.00
PF0739	-0.77	0.12	-0.79	1.00	-0.41	1.00
PF0740	-0.03	1.00	-0.28	1.00	0.02	1.00
PF0741		1.00		1.00	-0.10	1.00
PF0742	1.31	0.37	1.62	0.96	0.85	1.00
PF0743		1.00		1.00	-0.56	1.00
PF0744	-1.60	0.00		1.00	-1.51	0.00
PF0745	0.39	0.06	0.06	1.00	0.37	1.00
PF0746	-0.16	1.00	0.10	1.00	-0.30	1.00
PF0747	0.24	1.00	0.04	1.00	-0.18	1.00
PF0748		1.00		1.00	0.58	1.00
PF0749		1.00		1.00	0.17	1.00
PF0750	-0.02	1.00	0.57	1.00	-0.11	1.00
PF0751	1.13	1.00	0.75	1.00	0.10	1.00
PF0752	-0.01	1.00	0.17	1.00	0.31	1.00
PF0753	-0.41	1.00	-0.23	1.00	-0.25	1.00
PF0754	-0.43	1.00	-0.30	1.00	-0.37	1.00
PF0755	-0.60	1.00	-0.56	1.00	-1.65	0.04
PF0756	0.37	1.00		1.00	-0.56	1.00
PF0757		1.00		1.00	-0.20	1.00
PF0758	-0.67	1.00		1.00	-0.74	0.00
PF0759	-1.90	1.00		1.00	-0.59	1.00
PF0760		1.00		1.00	-0.60	1.00
PF0761	0.50	1.00		1.00	-0.11	1.00
PF0762		1.00		1.00	-0.19	1.00
PF0763		1.00		1.00	-0.82	1.00

PF0764		1.00		1.00	-0.66	1.00
PF0765	0.27	1.00	0.06	1.00	0.33	1.00
PF0766	-0.43	1.00	-0.49	1.00	-0.14	1.00
PF0767	-0.21	1.00	-0.40	1.00	-0.01	1.00
PF0768	-0.40	0.40	-0.53	1.00	-0.28	1.00
PF0769		1.00		1.00	-0.49	1.00
PF0770	-0.46	1.00		1.00	0.35	1.00
PF0771	-0.52	0.01	-0.59	1.00	-0.26	1.00
PF0772	-1.20	0.72		1.00	-0.67	1.00
PF0773		1.00		1.00	-0.30	1.00
PF0774		1.00		1.00	-0.04	1.00
PF0775	-0.42	1.00		1.00	0.16	1.00
PF0776	-0.17	1.00		1.00	-0.09	1.00
PF0777	-0.91	1.00	-1.01	1.00	-0.57	1.00
PF0778		1.00	-0.53	1.00	1.37	1.00
PF0779		1.00		1.00	-0.39	1.00
PF0780	-0.66	0.89	-0.20	1.00	-0.65	0.43
PF0781	-0.20	1.00		1.00	0.33	1.00
PF0782	-1.33	1.00		1.00	-0.34	1.00
PF0783	-0.51	1.00	0.11	1.00	0.42	1.00
PF0784	-0.93	1.00	-0.98	1.00	-1.14	0.58
PF0785	-0.09	1.00	0.14	1.00	-0.58	0.38
PF0786	-0.54	1.00		1.00	-0.97	0.16
PF0787		1.00	-0.95	1.00		1.00
PF0788	-2.10	0.02		1.00	-1.06	0.93
PF0789	-0.58	0.06	-0.32	1.00	0.02	1.00
PF0790	-1.32	0.00	-0.39	1.00	-0.36	1.00
PF0791	-1.01	0.02	-0.13	1.00	-0.02	1.00
PF0792	-0.77	0.03	-0.14	1.00	-0.15	1.00
PF0793	-1.17	0.00	-0.57	1.00	-0.08	1.00
PF0794	-0.11	1.00	0.13	1.00	-0.10	1.00
PF0795	-0.40	1.00	-0.42	1.00	-0.72	0.11
PF0796	-1.26	0.00	-1.18	0.02	-0.91	0.04
PF0797	-0.84	0.02	-0.81	0.00	-0.74	0.51
PF0798	-1.07	0.00	-1.05	0.00	-1.00	0.00
PF0799	-0.67	0.12	-0.57	1.00	-0.90	0.07
PF0800	-0.77	0.05	0.10	1.00	-0.16	1.00
PF0801	-0.11	1.00	-0.53	1.00	-0.87	0.01
PF0802		1.00		1.00	-0.19	1.00
PF0803		1.00		1.00	-0.48	1.00
PF0804	-0.64	0.13	-0.87	1.00		1.00
PF0805	-1.76	1.00		1.00	-1.09	0.55
PF0806	-0.30	1.00	-0.23	1.00	-0.41	1.00
PF0807	-0.12	1.00	-0.20	1.00	-0.67	1.00
PF0808	-0.78	0.07	-0.42	1.00	-0.46	0.04
PF0809	-1.68	1.00	-1.42	1.00	-0.67	0.01
PF0810	0.41	1.00	-0.02	1.00	-0.24	1.00
PF0811		1.00		0.67	-1.41	0.32

PF0812		0.01		0.53	-2.49	0.00
PF0813		0.13		0.07	-2.09	0.00
PF0814	-0.65	0.51	-0.61	1.00	-0.17	1.00
PF0815		1.00		1.00	-0.32	1.00
PF0816	-0.68	0.16	-0.46	1.00	-0.79	1.00
PF0817	-0.39	1.00		1.00	-0.61	1.00
PF0818	-1.63	0.02	-1.26	0.20	-1.35	0.02
PF0819	-0.09	1.00	0.09	1.00	0.03	1.00
PF0820	-0.50	1.00	-0.81	0.02	-0.47	0.13
PF0821	-0.12	1.00	-0.34	1.00	-0.43	1.00
PF0822	1.32	0.00	0.98	0.02	0.99	1.00
PF0823	0.07	1.00	0.04	1.00	-0.40	1.00
PF0824	0.10	1.00	0.27	1.00	-0.25	1.00
PF0825	0.32	1.00	0.08	1.00	0.00	1.00
PF0826	-0.35	1.00	-0.41	1.00	-0.13	1.00
PF0827	-2.43	1.00		1.00	-1.65	0.06
PF0828	-2.45	0.00		0.48	-2.56	0.00
PF0829	-0.77	1.00	-1.01	1.00	-1.07	0.07
PF0830		0.52		1.00	-1.13	0.46
PF0831		0.09		0.14		0.00
PF0832		1.00		1.00	0.00	1.00
PF0833		1.00		1.00	-0.69	1.00
PF0834	-0.58	1.00	-0.23	1.00	-0.50	1.00
PF0835	0.14	1.00	0.35	0.14	-0.50	1.00
PF0836	-0.10	1.00	-0.30	1.00	-0.38	1.00
PF0837	0.59	1.00	0.03	1.00	0.25	1.00
PF0838	0.17	1.00	0.37	1.00	0.10	1.00
PF0839	-0.07	1.00	-0.17	1.00	-0.06	1.00
PF0840		0.12		0.41	-1.62	0.01
PF0841		1.00		1.00	-1.48	1.00
PF0842		0.73	-2.30	0.09	-1.84	0.00
PF0843	-0.29	1.00	-0.78	1.00	-0.43	0.38
PF0844	-1.09	1.00		1.00	-0.95	1.00
PF0845		1.00		1.00	-1.60	0.13
PF0846		0.85		1.00	-1.67	0.00
PF0847	-1.23	0.00		1.00	-1.60	0.00
PF0848		0.19		1.00	-1.40	0.18
PF0849	0.60	0.00	0.33	1.00	0.01	1.00
PF0850	0.53	1.00	0.51	1.00	0.07	1.00
PF0851	-1.00	0.49	-0.79	1.00	-1.02	1.00
PF0852	-1.77	0.01	-1.04	1.00	-1.31	1.00
PF0853	-0.45	1.00	-0.62	1.00	-0.33	1.00
PF0854	0.71	0.01	0.50	0.69	0.43	0.04
PF0855	0.50	0.00	-0.08	1.00	-0.46	1.00
PF0856	-0.98	0.00	-0.69	1.00	-0.71	1.00
PF0857	-1.66	0.07	-1.25	0.58	-1.63	0.03
PF0858		0.09		1.00	-2.23	0.01
PF0859	1.75	0.00	1.39	0.00	1.01	0.00

PF0860	-0.07	1.00	-0.28	1.00	-0.24	1.00
PF0861	0.21	1.00	0.06	1.00	-0.24	1.00
PF0862	-0.81	0.19	-1.16	1.00	-0.91	0.03
PF0863	-1.22	0.00	-1.21	0.00	-1.59	0.00
PF0864	-1.18	0.00	-1.50	0.00	-1.38	0.00
PF0865	-0.39	0.06	-0.75	0.00	-1.09	0.00
PF0866	-0.45	1.00	-0.78	1.00	-0.11	1.00
PF0867	-0.32	1.00	-0.79	0.59	-0.59	0.12
PF0868	-0.54	0.00	-0.99	0.00	-1.51	0.00
PF0869	0.61	0.01	0.29	1.00	-0.13	1.00
PF0870	0.36	1.00	0.05	1.00	-0.33	1.00
PF0871	-0.11	1.00	-0.22	1.00	0.05	1.00
PF0872	0.13	1.00	-0.20	1.00	-0.20	1.00
PF0873	0.00	1.00	-0.26	1.00	-0.13	1.00
PF0874	-0.94	0.01	-0.96	0.09	-1.29	0.00
PF0875	-0.47	1.00	-0.30	1.00	-0.47	1.00
PF0876	0.09	1.00	-0.28	1.00	0.02	1.00
PF0877	-1.47	1.00		1.00	-0.32	1.00
PF0878		1.00		1.00	-0.24	1.00
PF0879		1.00		1.00	0.08	1.00
PF0880	-1.33	0.01	-1.46	1.00	-0.46	1.00
PF0881		0.00		0.04	-3.38	0.00
PF0882		0.03		0.00		0.00
PF0883	-3.67	0.01		0.58	-2.50	0.00
PF0884		0.00		0.00	-4.48	0.00
PF0885	0.02	1.00		1.00		1.00
PF0886	0.15	1.00	0.32	1.00	-0.39	1.00
PF0887	0.19	1.00	0.19	1.00	-0.49	1.00
PF0888		1.00		1.00	-1.19	0.07
PF0889	-1.64	0.00	-2.10	1.00	-1.45	0.00
PF0890	-0.38	0.27	-0.52	1.00	0.01	1.00
PF0891	-0.98	0.01	-1.62	0.01	-2.39	0.00
PF0892	-1.30	0.00	-1.93	0.00	-2.39	0.00
PF0893	-1.37	0.03	-1.73	0.00	-1.95	0.00
PF0894	-1.31	0.02		1.00	-2.09	0.00
PF0895	-2.22	0.01	-1.60	0.00	-2.40	0.00
PF0896	-2.61	0.32		1.00	-1.79	0.00
PF0897	-1.78	0.00	-1.54	0.18	-1.59	0.00
PF0898		1.00	0.16	1.00		1.00
PF0899	0.44	1.00	0.32	1.00	-0.16	1.00
PF0900	-1.94	0.24		1.00	-1.65	0.00
PF0901	-0.25	1.00		1.00	0.15	1.00
PF0902	-0.42	1.00	-0.90	0.89	-0.98	0.57
PF0903	0.33	1.00	0.61	0.00	0.65	0.91
PF0904	-0.29	1.00	-0.13	1.00	0.10	1.00
PF0905	-0.04	1.00	-0.41	1.00	-0.73	0.95
PF0906	-0.01	1.00	0.08	1.00	-0.60	1.00
PF0907	-0.38	1.00		1.00	-0.31	1.00

PF0908	-0.30	1.00		1.00	-0.07	1.00
PF0909		1.00	-1.22	1.00	-0.58	1.00
PF0910		1.00		1.00	-0.28	1.00
PF0911		1.00		1.00	0.42	1.00
PF0912		1.00		1.00	0.06	1.00
PF0913	-2.66	0.00		1.00	-0.67	0.23
PF0914		1.00	-0.08	1.00	0.12	1.00
PF0915	-0.60	1.00	-0.45	1.00	-0.30	1.00
PF0916	0.34	1.00	-0.75	1.00	-0.43	1.00
PF0917	0.94	0.05	0.14	1.00		1.00
PF0918	-0.50	1.00	-0.90	1.00	-0.91	0.12
PF0919		1.00		1.00	-0.99	1.00
PF0920	-1.10	1.00		1.00	-0.74	1.00
PF0921	-1.39	0.04		1.00	-1.15	0.00
PF0922	-1.23	0.11		1.00	-1.03	1.00
PF0923	-1.27	1.00		1.00	-0.47	1.00
PF0924		1.00		1.00	-0.59	1.00
PF0925	-2.68	0.00	-2.64	0.12	-1.74	0.00
PF0926		0.00	-2.11	0.20	-1.44	0.00
PF0927		1.00		1.00	-1.04	1.00
PF0928		1.00		1.00		1.00
PF0929	1.80	0.00	1.63	0.00	1.15	1.00
PF0930	-1.07	1.00	-0.36	1.00	-0.41	1.00
PF0931	-0.06	1.00	-0.14	1.00	-0.35	1.00
PF0932	-0.54	0.42	-0.44	1.00	-0.47	1.00
PF0933	-0.17	1.00	-0.36	1.00	-0.22	1.00
PF0934	0.40	1.00	1.62	0.58	2.47	0.00
PF0935	-1.13	1.00	-0.66	1.00	2.48	0.01
PF0936	-0.06	1.00	-0.40	1.00	3.21	0.02
PF0937	-0.60	1.00	-1.09	1.00	1.69	0.09
PF0938	-0.59	1.00	-0.87	1.00	1.27	0.20
PF0939	-0.47	1.00	-0.90	1.00	1.77	0.00
PF0940	-0.09	1.00	0.16	1.00	2.51	0.00
PF0941	-0.22	1.00	0.23	1.00	1.60	0.03
PF0942	-0.43	1.00	-0.70	1.00	1.59	0.96
PF0943	0.03	1.00	-0.08	1.00	0.66	1.00
PF0944	-0.68	1.00	-1.00	1.00	0.16	1.00
PF0945	-0.97	1.00	-1.52	1.00	-0.29	1.00
PF0946	-1.01	0.06	-0.67	0.04	-0.95	0.03
PF0947	-0.56	1.00	-0.74	1.00	-0.98	0.38
PF0948	-1.27	0.17	-0.72	1.00	-0.61	0.39
PF0949		0.08		1.00	-1.16	0.05
PF0950		1.00		1.00	-1.23	1.00
PF0951		1.00		1.00	-1.47	0.40
PF0952	-0.86	1.00		1.00	-1.27	1.00
PF0953		1.00		1.00	-1.27	0.66
PF0954		0.00		1.00	-0.86	0.96
PF0955	-1.11	0.00	-0.89	0.39	-0.35	1.00

PF0956		1.00		1.00	-0.56	0.02
PF0957		1.00	-2.00	1.00	-0.48	1.00
PF0958		1.00		1.00		1.00
PF0959	0.26	1.00	-0.03	1.00	0.14	1.00
PF0960	-2.54	0.00	-2.57	0.22	-1.54	0.00
PF0961		0.50		0.07	-1.76	0.01
PF0962	-0.98	0.00	-1.40	0.21	-0.26	1.00
PF0963	-0.22	1.00	0.23	1.00	0.14	1.00
PF0964	-1.14	0.00	-1.05	0.16	-0.70	1.00
PF0965	0.00	1.00	0.62	1.00	0.53	1.00
PF0966	-0.39	1.00	0.13	1.00	0.34	1.00
PF0967	-0.49	1.00	-0.32	1.00	0.33	1.00
PF0968	-0.50	1.00	-0.11	1.00	0.18	1.00
PF0969	-0.14	1.00	0.25	1.00	0.44	1.00
PF0970	-0.46	1.00	-0.31	1.00	0.02	1.00
PF0971	-0.20	1.00	-0.20	1.00	-0.50	0.02
PF0972	-0.88	1.00	-1.76	0.00	-2.34	0.01
PF0973	-0.90	0.00	-1.65	0.00	-2.54	0.00
PF0974	-1.20	0.00	-2.55	0.00	-2.97	0.00
PF0975	-2.37	0.04		1.00	-1.93	0.00
PF0976		1.00		1.00	-0.73	1.00
PF0977	-0.47	0.56	-0.17	1.00	-0.15	1.00
PF0978	-0.01	1.00	0.26	1.00	0.24	1.00
PF0979	-0.01	1.00	-0.65	1.00	-0.10	1.00
PF0980	0.14	1.00	-0.43	1.00	-0.29	1.00
PF0981	-0.34	1.00	-0.55	1.00	-0.36	1.00
PF0982	-1.56	0.44	-1.13	0.12	-0.91	1.00
PF0983	-1.02	0.00	-1.09	0.00	-0.94	0.00
PF0984	0.50	1.00	-0.04	1.00	0.50	1.00
PF0985	-0.05	1.00	-0.12	1.00	0.14	1.00
PF0986	0.17	1.00	0.20	1.00	0.53	0.71
PF0987	-0.82	0.00		1.00	-0.62	1.00
PF0988	-0.10	1.00	-0.18	1.00		1.00
PF0989	-0.28	0.06	-0.23	1.00	0.37	1.00
PF0990	0.16	1.00	0.18	1.00	0.41	1.00
PF0991	-1.12	0.00	-0.70	1.00	-0.63	1.00
PF0992	-0.18	1.00	0.02	1.00	-0.38	1.00
PF0993	-0.01	1.00	0.34	1.00	0.21	1.00
PF0994	0.29	1.00	-0.11	1.00	-0.21	1.00
PF0995	0.52	0.02	0.58	0.02	0.29	1.00
PF0996	0.25	1.00	0.36	1.00	0.09	1.00
PF0997	0.66	0.18	0.24	1.00	0.32	1.00
PF0998	0.43	1.00	0.55	1.00	0.45	1.00
PF0999	-0.27	1.00		1.00	0.14	1.00
PF1000	-0.53	1.00	-0.60	1.00	0.06	1.00
PF1001	-1.18	0.37		1.00	-0.30	1.00
PF1002	-0.49	1.00	-0.39	1.00	-0.61	0.45
PF1003	-0.91	1.00		1.00	-0.42	1.00

PF1004	-0.62	1.00		1.00	-0.54	1.00
PF1005		1.00		1.00	-1.10	1.00
PF1006	-1.29	1.00		1.00	-1.29	1.00
PF1007		1.00		1.00	-0.16	1.00
PF1008		1.00		1.00	-0.42	1.00
PF1009		1.00		1.00	-0.87	1.00
PF1010		1.00		1.00	-0.66	1.00
PF1011	-1.67	0.40		1.00	-1.06	0.02
PF1012	-0.46	1.00	-0.82	1.00	-0.53	1.00
PF1013	-0.92	0.03	-1.70	0.49	-1.08	1.00
PF1014	-1.77	1.00		1.00	-1.74	0.02
PF1015	-1.35	0.13	-1.92	1.00	-1.21	0.00
PF1016	-0.49	0.03	-0.43	1.00	-0.51	1.00
PF1017	-0.43	1.00	-0.12	1.00	-0.15	1.00
PF1018		1.00		1.00	-0.27	1.00
PF1019	-1.76	0.00	-1.37	0.04	-1.01	0.00
PF1020	-3.40	0.00	-3.77	0.00	-1.48	0.20
PF1021	-2.79	0.00	-2.88	0.00	-1.56	0.02
PF1022	0.44	1.00	0.05	1.00	-0.06	1.00
PF1023	0.16	1.00	0.44	1.00	0.13	1.00
PF1024	-0.14	1.00	-0.34	1.00	0.16	1.00
PF1025	-0.38	1.00	0.02	1.00	0.37	1.00
PF1026	1.34	0.00	1.07	0.04	1.02	0.05
PF1027	-0.15	1.00	-0.33	1.00		1.00
PF1028	-0.02	1.00	-0.57	1.00	-0.23	1.00
PF1029	0.09	1.00	-0.36	1.00	-0.26	1.00
PF1030	-0.24	1.00	-0.22	1.00	0.26	1.00
PF1031	-0.48	0.39	-0.15	1.00	0.02	1.00
PF1032	-1.02	0.02	-1.14	0.08	-1.14	0.01
PF1033	0.03	1.00	0.08	1.00	-2.32	0.01
PF1034	0.08	1.00	-0.02	1.00	-0.34	1.00
PF1035	0.24	1.00	0.22	1.00	0.17	1.00
PF1036	0.03	1.00	0.00	1.00	0.15	1.00
PF1037	0.77	1.00	0.28	1.00	-0.85	1.00
PF1038	0.78	1.00	-0.56	0.92	-0.88	1.00
PF1039	0.13	1.00	0.03	1.00	-0.17	1.00
PF1040	-0.12	1.00	-0.01	1.00	-0.28	1.00
PF1041	1.01	0.10	-0.41	1.00	0.41	1.00
PF1042	-0.49	0.18	-0.27	1.00	0.32	1.00
PF1043	0.37	0.07	0.30	1.00	0.13	1.00
PF1044	-0.24	1.00	-0.57	1.00	-0.77	1.00
PF1045	-0.02	1.00	-0.39	1.00	0.38	1.00
PF1046	0.24	1.00	0.21	1.00	0.44	1.00
PF1047	0.47	1.00	0.34	0.31	-0.26	1.00
PF1048	0.36	1.00	0.54	1.00	0.26	1.00
PF1049	-1.12	0.00	-1.48	0.20	-1.38	0.04
PF1050	-1.01	0.04		1.00	-1.29	0.00
PF1051	0.23	1.00	0.31	1.00	-0.12	1.00

PF1052	-0.48	1.00	0.05	1.00	1.40	0.03
PF1053	1.35	0.00	1.64	0.00	2.29	1.00
PF1054	1.11	0.02	1.67	0.00	2.32	0.00
PF1055	0.75	0.01	1.13	0.00	1.91	0.10
PF1056	1.08	0.03	1.37	0.00	1.70	0.00
PF1057	-1.75	0.04		1.00		0.00
PF1058	-0.22	1.00	-0.76	1.00	-0.72	0.03
PF1059	0.08	1.00	-0.14	1.00	0.13	1.00
PF1060	1.09	0.51	0.31	1.00	-0.10	1.00
PF1061	0.36	1.00	0.18	1.00	-0.16	1.00
PF1062	2.94	0.00	2.79	0.03	1.71	0.06
PF1063	-0.31	1.00	-0.16	1.00	-0.46	1.00
PF1064	-0.08	1.00	-0.03	1.00	-0.17	1.00
PF1065	0.05	1.00		1.00	-0.41	1.00
PF1066	0.66	0.12	0.47	1.00	0.33	1.00
PF1067		1.00		1.00		1.00
PF1068		1.00	0.55	0.00	-0.12	1.00
PF1069	-0.58	0.10	-0.94	0.18	-0.55	1.00
PF1070	-2.50	0.00		1.00	-1.83	0.01
PF1071	0.06	1.00	-0.15	1.00	-0.33	1.00
PF1072	-1.48	1.00	-1.11	1.00	0.11	1.00
PF1073	0.01	1.00	0.55	0.02	0.64	0.13
PF1074	0.32	1.00	0.66	0.89	1.48	0.01
PF1075		1.00		1.00	-1.42	0.00
PF1076	-0.92	0.20	-1.16	1.00	0.89	1.00
PF1077	-0.41	0.43	-0.20	1.00	0.76	1.00
PF1078	-1.03	1.00		1.00		1.00
PF1079	0.62	1.00	0.07	1.00	0.01	1.00
PF1080	-0.97	0.00	-0.58	0.06	-0.20	1.00
PF1081		1.00		1.00	-0.57	1.00
PF1082		1.00		1.00	-0.75	1.00
PF1083	-0.88	1.00	-1.05	1.00	-0.86	0.09
PF1084	-1.16	0.06		1.00	-0.30	1.00
PF1085	-1.54	0.00	-1.18	0.00	-0.16	1.00
PF1086	-1.76	1.00		1.00	-1.44	0.00
PF1087	0.14	1.00	0.25	1.00	0.19	1.00
PF1088		1.00		1.00	-0.49	1.00
PF1089		0.27		1.00	-1.36	0.03
PF1090	-1.04	1.00	-0.81	1.00	-0.64	1.00
PF1091		0.57		1.00	-1.17	1.00
PF1092	-1.45	0.84	-1.08	1.00	-0.84	0.04
PF1093		1.00		1.00	-1.20	1.00
PF1094		1.00		1.00	-0.57	1.00
PF1095		1.00		1.00	-0.47	1.00
PF1096	-0.29	1.00	-0.08	1.00	0.18	1.00
PF1097	-0.53	0.81	-0.30	1.00	-0.57	0.08
PF1098	0.18	1.00	-0.23	1.00	-0.42	1.00
PF1099	-0.21	1.00	-0.17	1.00	-0.47	1.00



PF1100	-1.28	1.00	-2.17	1.00	-0.42	0.91
PF1101	-0.18	1.00	-0.03	1.00	0.25	1.00
PF1102	0.33	1.00	0.54	1.00	1.17	0.05
PF1103	-0.48	1.00	-0.69	1.00	-0.44	0.37
PF1104	1.34	0.00	0.94	0.00	0.92	0.01
PF1105	-0.58	1.00	-0.62	0.28	-1.01	0.00
PF1106	-1.51	0.13	-0.73	0.03	-0.84	0.00
PF1107	-0.78	0.43	-1.02	1.00	-0.28	1.00
PF1108	-2.36	0.00	-1.92	0.00	-1.49	0.00
PF1109	-1.12	0.66	-0.91	1.00	0.32	1.00
PF1110	-1.23	1.00	-1.38	1.00	0.29	1.00
PF1111	-0.20	1.00	-0.11	1.00	0.09	1.00
PF1112	-2.67	0.05	-1.89	1.00	-1.41	0.00
PF1113	-0.66	0.70	-0.56	1.00	-0.16	1.00
PF1114	-0.68	0.15	-0.67	1.00	-0.23	1.00
PF1115	-0.60	0.70	-0.57	1.00	0.39	1.00
PF1116	-0.74	1.00	-0.88	1.00	-0.34	1.00
PF1117		1.00		0.70	-1.06	0.00
PF1118	-1.56	0.01		1.00	-0.66	1.00
PF1119	-1.40	1.00		1.00	-0.37	1.00
PF1120	-0.91	1.00	-0.45	1.00	0.01	1.00
PF1121	-1.11	1.00	-0.43	1.00	-0.12	1.00
PF1122	-0.78	1.00	-0.30	1.00	0.00	1.00
PF1123	-0.81	1.00	-0.78	1.00	-0.46	1.00
PF1124	-0.86	1.00	-0.34	1.00	-0.23	1.00
PF1125	-1.04	0.59	-0.81	1.00	0.13	1.00
PF1126	-1.24	0.10	-1.02	1.00	-0.79	1.00
PF1127	-0.96	0.01	-0.81	1.00	-0.86	1.00
PF1128	-0.77	0.00	-0.88	1.00	-1.07	0.54
PF1129	-0.64	1.00	-0.46	1.00	-0.64	1.00
PF1130	-1.07	0.49	-0.95	1.00	-1.16	0.12
PF1131	-1.30	0.00	-0.62	0.36	-0.54	0.10
PF1132	-1.83	0.00	-2.21	0.00	-2.06	0.00
PF1133	-0.81	1.00		0.00	-3.93	0.00
PF1134	0.51	1.00	0.15	1.00	-0.20	1.00
PF1135	0.34	1.00	0.37	1.00	0.10	1.00
PF1136	0.47	1.00	0.29	1.00	0.13	1.00
PF1137	1.57	0.00	1.47	0.00	1.57	0.02
PF1138	-0.12	1.00	-0.13	1.00	-0.30	1.00
PF1139	0.51	0.05	0.25	1.00	0.26	1.00
PF1140	0.95	0.00	0.42	0.37	0.38	1.00
PF1141	0.84	0.00	0.29	1.00	0.22	1.00
PF1142	0.87	0.00	0.30	1.00	-0.16	1.00
PF1143	-0.96	0.06	-0.95	1.00	-0.63	1.00
PF1144	-1.25	1.00	-0.98	1.00	-1.05	0.19
PF1145	-1.00	0.53	-0.71	1.00	-1.59	0.01
PF1146	0.15	1.00	-0.61	1.00	0.02	1.00
PF1147	-0.93	0.13	-0.83	1.00	-0.39	1.00

PF1148		1.00		1.00	-0.69	0.42
PF1149	-1.73	1.00		1.00	-1.11	1.00
PF1150	-1.06	0.28		1.00	-0.84	0.14
PF1151	-1.23	0.00		1.00	-0.74	0.98
PF1152		1.00		1.00	-0.96	0.17
PF1153	-1.55	0.00	-1.39	0.88	-1.05	0.00
PF1154	-1.47	0.00	-1.32	0.11	-1.15	0.02
PF1155	-0.51	1.00	-0.75	1.00	-0.80	1.00
PF1156	-0.95	0.88	-0.92	1.00	-0.77	0.00
PF1157	0.62	1.00	0.65	1.00	0.33	1.00
PF1158	0.02	1.00	-0.05	1.00	-0.09	1.00
PF1159	0.19	1.00	0.12	1.00	0.26	1.00
PF1160	-0.19	1.00	-0.35	1.00	-0.22	1.00
PF1161	0.20	1.00		1.00	-0.02	1.00
PF1162	-1.64	0.00	-1.50	0.00	-0.91	1.00
PF1163		0.00	-1.48	0.02	-1.05	1.00
PF1164	-1.25	0.00	-1.07	0.00	-0.80	0.57
PF1165	-0.10	1.00	-0.21	1.00	-0.49	0.94
PF1166	-0.18	1.00	-0.15	1.00	-0.22	1.00
PF1167	-0.20	1.00	-0.22	1.00	0.25	1.00
PF1168	-0.11	1.00	-0.14	1.00	-0.17	1.00
PF1169	-0.74	1.00		1.00	-0.06	1.00
PF1170	0.57	0.45	0.38	1.00	0.14	1.00
PF1171	1.09	0.01	1.03	1.00	0.52	1.00
PF1172	-1.80	0.10		1.00	-0.90	0.01
PF1173	-1.08	0.48	-1.01	1.00	-0.95	1.00
PF1174	-0.29	1.00		1.00	-0.94	1.00
PF1175	-1.11	0.00	-1.74	1.00	-1.20	0.00
PF1176	-1.33	0.00		1.00	-1.41	0.19
PF1177	-0.63	0.48	-0.94	1.00	-0.94	0.38
PF1178	-0.80	1.00	-0.92	1.00		1.00
PF1179	0.22	1.00	0.44	1.00	-0.78	1.00
PF1180	-1.54	0.03	-1.00	1.00	-0.64	0.05
PF1181	0.23	1.00	0.12	1.00	-0.36	1.00
PF1182	0.24	1.00	0.32	1.00	-0.06	1.00
PF1183	-0.11	1.00	-0.42	1.00	-0.45	1.00
PF1184	0.04	1.00	-0.26	1.00		1.00
PF1185	0.93	0.83	0.13	1.00	0.02	1.00
PF1186	-0.35	1.00	-0.16	1.00	-0.15	1.00
PF1187	-0.57	0.04	-0.71	0.15	-0.91	0.04
PF1188	-0.89	0.00	-1.20	0.87	-0.67	0.04
PF1189	-0.62	1.00		1.00		1.00
PF1190	-1.66	0.00	-1.27	0.00	-1.56	0.00
PF1191	-0.07	1.00	-0.18	1.00	-0.71	1.00
PF1192	-0.15	1.00	-0.33	1.00	-0.84	0.24
PF1193	-0.93	0.06	-0.89	0.00	-1.08	0.04
PF1194	-0.34	1.00	-0.95	1.00	-0.13	1.00
PF1195	-3.48	0.00		0.05	-1.90	0.02

PF1196	-3.14	0.00	-3.38	0.00	-1.64	0.00
PF1197	-2.23	0.01		0.05	-1.34	0.00
PF1198	-2.15	0.01	-1.57	1.00	-1.00	0.63
PF1199	-0.01	1.00	-0.16	1.00	-0.18	1.00
PF1200	-0.47	0.79	-0.24	1.00	-0.11	1.00
PF1201	-0.42	0.01	-0.36	1.00	-0.50	1.00
PF1202		1.00		1.00	-0.44	1.00
PF1203	0.42	1.00	0.55	0.00	0.14	1.00
PF1204	0.13	1.00	0.10	1.00	0.31	1.00
PF1205	-1.29	0.23	-1.37	1.00	-0.70	1.00
PF1206	-1.35	0.74	-1.22	0.10	-0.97	0.01
PF1207	-1.22	0.00	-1.40	1.00	-0.68	1.00
PF1208	-0.70	0.13	-0.44	1.00	-0.87	0.06
PF1209	-0.06	1.00	-0.43	1.00	0.30	1.00
PF1210	-0.22	1.00		1.00	-0.05	1.00
PF1211		1.00		1.00	-0.33	1.00
PF1212	-0.38	1.00	-0.98	1.00	-0.23	1.00
PF1213	-0.53	1.00	-0.78	1.00		1.00
PF1214	0.04	1.00	-0.10	1.00	-0.43	1.00
PF1215		1.00		1.00		1.00
PF1216		1.00		1.00	0.17	1.00
PF1217	0.14	1.00		1.00	0.21	1.00
PF1218		1.00		1.00	-0.32	1.00
PF1219		1.00		1.00	-0.82	0.04
PF1220		1.00		1.00	0.10	1.00
PF1221		1.00		1.00	-0.33	1.00
PF1222	0.05	1.00	-0.50	1.00	-0.11	1.00
PF1223	-0.31	1.00	-0.61	1.00	-0.32	1.00
PF1224		1.00		1.00	0.43	1.00
PF1225		1.00		1.00	-0.97	1.00
PF1226	0.10	1.00	0.58	1.00	0.17	1.00
PF1227	-1.29	0.00	-0.79	0.85		0.18
PF1228	0.26	1.00	0.24	1.00	0.11	1.00
PF1229	0.61	0.81	0.32	1.00	-0.46	1.00
PF1230	-0.37	0.21		1.00	-0.59	0.74
PF1231	0.72	0.92		1.00	-0.20	1.00
PF1232	-0.91	0.29		1.00	-0.85	0.05
PF1233	-0.51	1.00	-0.42	1.00	-0.33	1.00
PF1234	-0.86	1.00	-0.76	1.00	-0.62	1.00
PF1235	0.18	1.00		1.00	0.64	1.00
PF1236	0.05	1.00	0.17	1.00	0.48	1.00
PF1237	-0.22	1.00	-1.26	1.00	0.33	1.00
PF1238	-0.49	0.87	-0.33	1.00	-0.21	1.00
PF1239	-0.09	1.00	-0.57	0.77	-0.79	0.01
PF1240	-0.29	1.00	0.06	1.00	-0.12	1.00
PF1241	0.41	0.08	1.13	0.43	0.72	1.00
PF1242	1.11	1.00	0.53	1.00	0.34	1.00
PF1243	0.25	1.00	0.27	1.00	-0.18	1.00

PF1244	0.00	1.00	-0.17	1.00	-0.97	1.00
PF1245		0.11		0.02		0.00
PF1246	-2.59	0.01	-2.35	0.03	-1.40	0.00
PF1247	0.74	1.00	0.79	1.00	0.76	1.00
PF1248	-0.07	1.00	-0.19	1.00	-0.26	1.00
PF1249	-0.27	1.00	0.12	1.00	-0.05	1.00
PF1250	-0.19	1.00	0.05	1.00	0.16	1.00
PF1251	0.23	1.00	0.55	0.00	0.48	0.47
PF1252	-0.48	1.00	-0.39	1.00	-0.09	1.00
PF1253	-1.12	0.17	-1.28	0.03	-0.85	0.67
PF1254	-2.07	0.00	-2.65	0.01	-2.70	0.00
PF1255		1.00		1.00	-0.29	1.00
PF1256	-0.79	0.01	-1.65	1.00	-1.32	0.01
PF1257	-1.66	0.12	-1.46	0.05	-1.12	0.04
PF1258	0.13	1.00	-0.09	1.00	-0.33	1.00
PF1259	0.31	1.00	-0.16	1.00	-0.14	1.00
PF1260	-0.49	0.13	-1.04	1.00	-0.82	0.24
PF1261	-0.69	0.03		1.00	-0.45	1.00
PF1262	-0.20	1.00	-0.06	1.00	-0.32	1.00
PF1263	-0.56	0.85	-0.29	1.00	-0.79	1.00
PF1264	-0.22	1.00	-0.88	0.04	-0.78	1.00
PF1265	-0.45	1.00	-0.57	1.00	-0.60	0.73
PF1266	-1.59	0.00	-0.69	1.00	1.31	0.00
PF1267	-1.45	0.01	-1.02	0.85	1.17	0.00
PF1268	-1.23	0.25	-0.52	1.00	1.78	0.00
PF1269	-0.53	1.00	-0.56	1.00	0.88	0.14
PF1270	1.11	1.00	2.03	0.24	1.91	0.02
PF1271		1.00		1.00	-1.06	0.09
PF1272	0.64	0.01	0.48	1.00	0.38	1.00
PF1273	-0.20	1.00		1.00	-0.17	1.00
PF1274	0.05	1.00	0.05	1.00	-0.01	1.00
PF1275	0.11	1.00		1.00	-0.27	1.00
PF1276	-0.51	1.00	-0.56	1.00	-0.16	1.00
PF1277	-0.82	0.00	-1.00	0.43	-0.85	0.00
PF1278	-1.06	0.00	-1.51	0.17	-1.10	0.03
PF1279	1.40	1.00	0.01	1.00	0.52	1.00
PF1280		1.00		1.00	-1.72	0.35
PF1281	0.29	1.00	-0.11	1.00	-0.61	1.00
PF1282	0.50	1.00	0.80	1.00	0.14	1.00
PF1283	-0.11	1.00	-0.31	1.00	-0.39	1.00
PF1284	1.09	0.10	1.39	0.05	0.55	1.00
PF1285	-0.70	1.00	-0.44	1.00	-0.59	1.00
PF1286	-0.90	1.00	-0.50	1.00	-0.80	1.00
PF1287	-2.22	0.03	-2.22	0.01	-2.35	0.00
PF1288	-0.69	0.00	-0.66	1.00	-0.01	1.00
PF1289	-0.04	1.00	-0.19	1.00	-0.07	1.00
PF1290		0.02		1.00	-0.45	1.00
PF1291	-0.18	1.00	-0.10	1.00	0.07	1.00

PF1292	-0.36	1.00	-0.17	1.00	-0.48	1.00
PF1293	0.80	0.20	0.45	1.00	0.28	1.00
PF1294	0.28	1.00	0.08	1.00	0.27	1.00
PF1295	0.50	1.00	0.57	0.01	-0.22	1.00
PF1296	-0.14	1.00	0.31	1.00	0.20	1.00
PF1297	-0.32	1.00	-0.42	0.00	-0.79	1.00
PF1298	-1.62	0.25		1.00	-0.39	1.00
PF1299	-0.88	0.02	-0.70	1.00	0.20	1.00
PF1300		1.00		1.00	0.28	1.00
PF1301		0.00		1.00	-0.57	1.00
PF1302	1.29	0.00	0.85	0.93	0.31	1.00
PF1303	0.76	0.01	1.02	0.00	0.36	1.00
PF1304	0.72	0.00	0.61	0.01	0.37	1.00
PF1305	0.81	0.06	0.97	0.82	0.46	0.11
PF1306	0.71	0.02	0.61	0.02	0.14	1.00
PF1307	0.83	0.13		1.00	0.19	1.00
PF1308		1.00		1.00		1.00
PF1309	-1.31	1.00	-1.26	1.00	0.65	1.00
PF1310	-0.17	1.00	0.28	1.00	0.84	1.00
PF1311	-1.67	1.00	-0.99	1.00	0.81	1.00
PF1312	-0.83	1.00		1.00	0.06	1.00
PF1313	-0.54	0.01		1.00	-0.86	1.00
PF1314	-1.23	0.02		1.00	-0.63	1.00
PF1315		1.00		1.00	-1.01	1.00
PF1316	-0.83	0.02	-0.97	1.00	-0.35	1.00
PF1317		1.00	-0.40	1.00	-0.41	1.00
PF1318		1.00		1.00	-0.87	0.48
PF1319		1.00		1.00	-0.15	1.00
PF1320		1.00		1.00	-0.13	1.00
PF1321	-1.79	0.06		1.00	-0.89	1.00
PF1322	-0.05	1.00	0.08	1.00	-0.37	1.00
PF1323	-0.45	0.28	-0.07	1.00	-0.66	1.00
PF1324	-0.05	1.00	0.10	1.00	0.31	1.00
PF1325	-0.09	1.00	0.31	1.00	0.29	1.00
PF1326	-0.04	1.00	0.03	1.00	-0.31	1.00
PF1327	-0.57	1.00		1.00	-0.26	1.00
PF1328	-1.43	0.01	-1.55	0.01	-0.88	0.05
PF1329		0.01		0.21	-2.28	0.00
PF1330		0.13		0.50	-2.06	0.02
PF1331	-3.59	0.00		0.31	-1.89	0.04
PF1332		1.00		0.20	-1.67	0.01
PF1333	-1.33	0.11		1.00	-1.23	0.23
PF1334	-1.98	1.00		1.00	-1.61	0.18
PF1335	-1.83	0.23		1.00	-1.60	0.01
PF1336	-1.58	1.00		1.00	-1.69	1.00
PF1337	-1.62	0.04		1.00	-1.45	0.04
PF1338	-1.92	0.07		1.00	-2.34	0.01
PF1339	0.80	0.10	1.01	0.00	0.89	1.00

PF1340	0.65	0.00	0.67	1.00	0.43	1.00
PF1341	-3.50	0.00		0.01	-3.39	0.00
PF1342	-0.11	1.00	0.52	1.00	0.25	1.00
PF1343	0.89	1.00	0.31	1.00	0.07	1.00
PF1344	1.08	0.00	1.23	0.00	1.39	0.00
PF1345	0.53	0.16	0.92	0.04	1.00	0.07
PF1346	-0.80	1.00	0.30	1.00	0.74	1.00
PF1347	-0.29	1.00	-0.08	1.00	0.54	1.00
PF1348	1.39	1.00	2.71	1.00	2.88	0.00
PF1349	0.75	0.00	0.91	0.00	0.73	0.00
PF1350	0.92	0.34	0.99	1.00	0.89	1.00
PF1351	0.39	1.00	0.53	0.01	0.65	0.08
PF1352	-0.24	1.00	-0.83	1.00	0.04	1.00
PF1353	-0.50	1.00		1.00	0.50	1.00
PF1354	-0.40	0.78	-0.20	1.00	-0.41	1.00
PF1355	-0.70	0.00	-0.57	1.00	-0.56	0.51
PF1356	-0.91	0.01	-0.73	1.00	-0.49	1.00
PF1357	-0.40	1.00	-0.12	1.00	-0.39	1.00
PF1358	-1.15	0.00	-0.87	1.00	-0.39	1.00
PF1359	-0.38	1.00	-0.17	1.00	0.29	1.00
PF1360	-0.72	0.01	-0.42	1.00	-0.54	1.00
PF1361	-1.37	0.02	-1.43	0.01	-1.14	0.49
PF1362	-0.91	0.01	-0.73	0.71	-0.81	0.00
PF1363	-1.36	0.00	-1.22	0.05	-1.37	0.00
PF1364	-1.75	0.00	-1.82	0.00	-1.74	0.00
PF1365		1.00		1.00		1.00
PF1366	-1.04	0.05	-0.58	1.00	-0.92	0.00
PF1367	1.22	0.01	0.68	1.00	0.22	1.00
PF1368	1.25	0.00	0.64	1.00	0.54	1.00
PF1369	1.24	0.00	0.76	0.50	0.52	1.00
PF1370		1.00		1.00	-2.29	0.53
PF1371	-1.59	0.00	-1.37	0.00	-1.35	0.00
PF1372	-0.49	1.00	-0.12	1.00	-0.04	1.00
PF1373	-1.78	0.00	-1.80	1.00	-1.46	0.00
PF1374	-0.19	1.00	-0.57	0.05	-1.18	0.08
PF1375	0.74	0.18	0.37	1.00	0.25	1.00
PF1376	0.25	1.00	0.34	1.00	0.10	1.00
PF1377	0.50	1.00	0.02	1.00	-0.36	1.00
PF1378	1.25	0.00	0.82	1.00	0.97	0.01
PF1379	0.84	0.36	0.85	0.51	0.78	0.03
PF1380	1.01	0.00	1.01	0.00	1.12	0.00
PF1381	-1.36	1.00		1.00	-0.51	1.00
PF1382	-1.72	0.00	-1.41	0.00	-1.07	0.00
PF1383	-0.31	1.00	-0.50	0.69	-0.33	1.00
PF1384	-0.62	0.01	-1.08	1.00	-0.47	1.00
PF1385	-0.92	0.00	-1.12	0.22	-0.54	1.00
PF1386	-0.23	1.00	0.03	1.00	-0.23	1.00
PF1387	0.05	1.00	0.24	1.00	-0.18	1.00

PF1388	0.36	1.00	0.06	1.00	0.12	1.00
PF1389	-1.77	0.00		1.00	-1.14	0.00
PF1390	-1.33	0.13		1.00	-0.50	1.00
PF1391	-0.63	1.00		1.00	-0.38	1.00
PF1392	-0.59	0.06	-0.32	1.00	0.02	1.00
PF1393	0.38	1.00	0.43	1.00	0.25	1.00
PF1394	0.34	1.00	0.33	1.00	-0.37	1.00
PF1395	0.35	1.00	0.47	1.00		0.03
PF1396	0.10	1.00	0.16	1.00	-0.27	1.00
PF1397	-0.19	1.00	-0.38	0.18	-0.66	0.06
PF1398	-0.52	0.05	-0.35	1.00	-0.18	1.00
PF1399	0.25	1.00	-0.12	1.00	-0.38	1.00
PF1400	-1.84	0.00	-1.97	0.00	-1.97	0.00
PF1401	0.04	1.00	-0.35	0.90	-0.13	1.00
PF1402	-0.98	0.00	-1.10	0.00	-1.00	0.00
PF1403	-1.94	0.00		0.77	-1.59	0.00
PF1404	-2.73	0.00	-2.17	0.00	-1.23	0.00
PF1405	-2.29	0.00	-1.75	0.05	-0.54	1.00
PF1406	-2.02	0.00	-1.56	0.00	-0.92	0.01
PF1407	-0.51	0.04	-0.86	0.65	-0.95	0.00
PF1408	1.05	0.16	1.28	1.00	1.66	0.01
PF1409	-1.72	0.00	-1.44	0.00	-0.94	0.00
PF1410	-1.53	0.00	-1.07	0.00	-0.58	1.00
PF1411	-1.55	0.00	-1.36	0.05	-0.70	1.00
PF1412	-1.49	0.00	-1.17	0.00	-0.67	1.00
PF1413	-0.32	1.00	-0.07	1.00	0.12	1.00
PF1414	-0.32	1.00	-0.69	1.00	-0.20	1.00
PF1415	-0.90	0.13	-0.61	0.31	-0.40	1.00
PF1416		1.00		1.00	-0.40	1.00
PF1417		1.00		1.00		1.00
PF1418	0.46	1.00	0.88	1.00	0.59	1.00
PF1419	0.49	1.00	0.35	1.00	0.16	1.00
PF1420		1.00		1.00		1.00
PF1421	-0.55	0.00	-0.62	0.88	0.02	1.00
PF1422	-0.53	1.00	-0.78	0.11	-1.74	0.01
PF1423	-1.03	0.00	-1.21	0.00	-1.22	0.00
PF1424	-1.13	0.47	-1.10	0.00	-0.76	1.00
PF1425	-0.86	0.01	-1.23	0.00	-0.80	0.02
PF1426	-0.80	0.01	-0.89	0.03	-0.62	1.00
PF1427	-0.67	1.00	-0.97	1.00	-0.79	1.00
PF1428	-1.00	0.00	-1.13	0.00	-0.85	0.07
PF1429	-1.04	1.00	-0.89	1.00	-0.79	1.00
PF1430	-0.49	0.23	-0.69	0.04	-0.66	1.00
PF1431	-0.68	1.00	-0.98	0.74	-0.19	1.00
PF1432	-0.78	1.00	-0.65	1.00	-0.52	1.00
PF1433	-0.80	1.00	-0.58	1.00	-0.24	1.00
PF1434	-0.48	0.06	-0.84	0.00	-0.71	1.00
PF1435	0.15	1.00	0.06	1.00	-0.37	0.82

PF1436	0.26	1.00	0.33	1.00	0.16	1.00
PF1437	-0.87	0.23	-0.68	0.71	-0.87	0.45
PF1438	-0.11	1.00	-0.35	1.00	-0.25	1.00
PF1439	0.06	1.00	0.32	1.00	-0.05	1.00
PF1440	0.29	1.00	0.10	1.00	0.33	1.00
PF1441	-0.06	1.00	0.10	1.00	-0.58	0.11
PF1442	-0.08	1.00	0.48	1.00	-0.09	1.00
PF1443		1.00	-0.66	1.00	-0.19	1.00
PF1444	0.06	1.00	-0.52	1.00	-0.10	1.00
PF1445	0.27	1.00	0.60	1.00	0.10	1.00
PF1446	0.03	1.00	0.58	1.00	0.05	1.00
PF1447	0.25	1.00	0.80	1.00		1.00
PF1448	0.75	1.00		1.00	-0.11	1.00
PF1449	0.29	1.00	0.80	0.43	0.02	1.00
PF1450		1.00		1.00	-0.25	1.00
PF1451	0.09	1.00	0.54	1.00	0.27	1.00
PF1452	0.18	1.00		1.00		1.00
PF1453	0.02	1.00	0.89	1.00	0.22	1.00
PF1454	1.45	0.01	1.18	0.00	-0.06	1.00
PF1455	1.88	0.00	1.22	0.45	0.09	1.00
PF1456	-1.11	0.00	-1.26	1.00	-1.34	0.00
PF1457		1.00	-0.83	1.00	-0.99	1.00
PF1458	-0.62	1.00		1.00		1.00
PF1459	0.41	1.00	0.24	1.00	0.58	1.00
PF1460	0.33	1.00		1.00	-0.20	1.00
PF1461	0.10	1.00	-0.07	1.00	-0.15	1.00
PF1462	0.28	1.00	0.43	1.00	0.27	1.00
PF1463	0.48	0.73		1.00	0.11	1.00
PF1464	-1.61	0.29		1.00	-1.48	1.00
PF1465		1.00		1.00	-0.82	1.00
PF1466		1.00		1.00	-0.56	1.00
PF1467		1.00		1.00	-1.39	1.00
PF1468		1.00		1.00	-0.67	1.00
PF1469	-1.23	0.05	-0.87	1.00	-0.90	0.06
PF1470	-1.26	0.20	-1.00	0.29	-0.63	1.00
PF1471	-0.39	1.00	-0.50	1.00	-0.48	0.49
PF1472	-1.04	0.48	-1.09	0.00	-0.04	1.00
PF1473	-1.27	0.06		0.47	-0.72	1.00
PF1474		1.00		1.00		1.00
PF1475	-0.43	1.00	-0.35	1.00	-0.45	1.00
PF1476	-2.49	0.00		0.17	-1.78	0.14
PF1477	-1.89	0.00	-2.08	0.00	-1.20	0.00
PF1478		1.00		0.03	-0.67	1.00
PF1479	2.28	0.00	2.50	0.00	1.57	0.90
PF1480	2.31	0.00	2.36	0.00	2.08	0.00
PF1481	-0.81	0.00	-0.78	0.04	-0.54	1.00
PF1482	-1.58	0.00	-1.39	0.00	-1.27	0.12
PF1483	-2.95	0.00	-2.90	0.00	-2.60	0.00



PF1484	-3.36	0.00		0.09	-2.61	0.00
PF1485	0.35	1.00	0.09	1.00	0.14	1.00
PF1486	-0.38	1.00	-0.19	1.00	-0.24	1.00
PF1487	-0.01	1.00	-0.01	1.00	-0.38	1.00
PF1488	0.17	1.00	0.29	1.00	0.99	0.49
PF1489	-0.46	1.00	-0.60	1.00	-0.16	1.00
PF1490	-0.66	0.21	-0.80	0.17	-0.77	1.00
PF1491	-0.11	1.00	-0.06	1.00		1.00
PF1492	0.04	1.00		1.00	0.03	1.00
PF1493	0.15	1.00	0.20	1.00	-0.04	1.00
PF1494	0.55	1.00	0.03	1.00	-0.33	1.00
PF1495	0.24	1.00	0.03	1.00	0.06	1.00
PF1496	-2.74	0.04		1.00	-1.35	1.00
PF1497	-3.01	0.00	-3.00	0.00	-1.20	0.00
PF1498	1.19	0.00	0.31	1.00	0.28	1.00
PF1499	0.54	1.00	0.01	1.00	-0.48	1.00
PF1500	-0.46	1.00	-0.60	1.00	-0.42	1.00
PF1501		0.44		0.61	-1.84	0.47
PF1502	-0.86	1.00	-1.03	1.00	-0.40	1.00
PF1503	-0.52	0.01	-0.58	1.00	-0.34	1.00
PF1504	-0.01	1.00	-0.31	1.00	0.02	1.00
PF1505	0.94	0.01	0.61	0.36	0.47	1.00
PF1506	0.73	0.05	0.54	0.07	0.34	1.00
PF1507	0.41	0.03	0.27	1.00	0.27	1.00
PF1508	-0.18	1.00	-0.50	1.00	0.36	1.00
PF1509	-0.42	0.04	-0.52	1.00	-0.23	1.00
PF1510	-0.38	0.83	-0.54	1.00	-0.29	1.00
PF1511	-0.74	0.35		1.00	-0.59	1.00
PF1512		1.00	-1.85	0.38	-0.67	1.00
PF1513		1.00		0.85	-1.34	0.00
PF1514		1.00		1.00	-1.81	0.00
PF1515	-1.64	0.00	-1.82	0.03	-1.62	0.00
PF1516	-1.60	0.04	-1.49	0.01	-1.73	0.00
PF1517		0.03		0.02	-4.38	0.00
PF1518	1.12	1.00	0.50	1.00	0.32	1.00
PF1519	-0.16	1.00	0.28	1.00	-0.32	1.00
PF1520	-0.92	1.00		1.00	-0.70	1.00
PF1521		1.00		0.93	-2.05	0.09
PF1522		0.06		0.23	-1.27	1.00
PF1523		1.00		1.00	-0.90	0.15
PF1524		1.00		0.18	-1.42	1.00
PF1525		1.00		0.87	-1.63	0.07
PF1526		1.00		1.00	-1.75	0.79
PF1527	-2.57	0.01		0.28	-2.64	0.03
PF1528		1.00		1.00	-0.72	1.00
PF1529	-0.64	0.60	-0.74	1.00	0.05	1.00
PF1530	-0.66	1.00	-1.02	0.02	-1.42	0.04
PF1531	-1.06	0.00		1.00	-1.66	0.00

PF1532	-4.03	0.00		0.00	-1.97	0.00
PF1533	0.34	1.00	0.40	1.00	0.65	1.00
PF1534	0.54	1.00	0.37	1.00	0.64	1.00
PF1535	1.19	0.00	1.18	0.00	0.57	0.73
PF1536	0.98	0.00	1.09	0.00	0.44	0.08
PF1537	1.19	0.00	1.48	0.00	0.74	0.46
PF1538	1.42	0.00	1.82	0.00	0.65	0.07
PF1539	-1.40	0.00	-1.49	0.07	-0.77	0.45
PF1540	-0.21	1.00	0.60	0.49	0.97	0.10
PF1541	0.95	0.00	0.95	1.00	0.29	1.00
PF1542	0.99	0.23	0.76	1.00	-0.10	1.00
PF1543	-1.55	0.00		1.00	-1.06	0.11
PF1544	-1.91	0.00	-1.74	0.00	-0.98	1.00
PF1545	-1.71	0.00		1.00	-1.22	0.00
PF1546	-0.36	1.00	-0.50	1.00	0.40	1.00
PF1547	-0.24	0.29	0.03	1.00	0.48	1.00
PF1548	0.93	0.01	0.82	1.00	0.55	1.00
PF1549	0.16	1.00	0.26	1.00	0.30	1.00
PF1550	0.24	1.00	-0.27	1.00	-0.02	1.00
PF1551	-0.02	1.00	-0.24	1.00	-0.67	1.00
PF1552	-0.66	1.00		1.00	-0.40	1.00
PF1553	-0.76	0.00	-1.15	1.00	-0.63	0.18
PF1554	-0.11	1.00	-0.07	1.00		1.00
PF1555	-0.42	1.00	-0.52	1.00	-0.16	1.00
PF1556	-0.67	1.00	-0.56	1.00	-0.77	0.30
PF1557	-0.57	0.01	-0.75	0.67	-1.12	0.00
PF1558	-0.43	1.00	-0.48	0.13	-0.19	1.00
PF1559	-0.08	1.00	-0.49	0.27	-0.22	1.00
PF1560	-0.26	1.00	-0.43	1.00	1.33	1.00
PF1561	-0.15	1.00	0.03	1.00	0.46	1.00
PF1562	-0.63	0.21	-0.24	1.00	0.59	1.00
PF1563	-0.76	0.01	-0.58	0.73	0.40	1.00
PF1564	-0.98	0.00	-0.71	0.08	-0.12	1.00
PF1565	-1.88	0.00	-1.60	0.00	-0.76	0.20
PF1566	-1.39	0.00	-1.22	0.00	-0.97	0.20
PF1567	-0.04	1.00	-0.09	1.00	0.15	1.00
PF1568	0.03	1.00	0.06	1.00	0.19	1.00
PF1569	0.10	1.00	-0.23	1.00	0.06	1.00
PF1570	-0.21	1.00	-0.24	1.00	-0.15	1.00
PF1571	0.20	1.00	-0.23	0.71	-0.44	1.00
PF1572	-0.53	1.00	-1.10	0.08	-1.22	0.01
PF1573	-2.08	0.00	-2.14	0.00	-1.27	0.00
PF1574	-1.19	0.01	-1.18	0.00	-0.59	1.00
PF1575	-1.14	0.08	-0.57	1.00	-0.59	1.00
PF1576	-0.74	0.01		1.00	0.01	1.00
PF1577	0.16	1.00	0.22	1.00	0.08	1.00
PF1578	-0.09	1.00	0.16	1.00	0.22	1.00
PF1579	-0.15	1.00	-0.07	1.00	0.17	1.00

PF1580	0.13	1.00	0.19	1.00	0.47	1.00
PF1581	0.09	1.00	0.48	1.00	0.57	0.28
PF1582	0.32	1.00	0.56	1.00	0.74	1.00
PF1583	-0.39	0.40	-0.92	1.00	-0.62	0.04
PF1584	-0.63	0.22	-1.27	1.00	-0.76	0.02
PF1585	-0.46	0.92	-0.41	1.00	-0.72	0.31
PF1586	-0.05	1.00	-0.26	1.00	-0.48	0.12
PF1587	-0.59	0.06	-0.62	0.00	-0.74	0.06
PF1588	-0.34	1.00	-1.19	1.00	-1.04	0.00
PF1589	-1.75	0.00	-1.88	0.05	-1.46	0.00
PF1590	-0.71	0.00	-1.18	1.00	-0.68	0.20
PF1591	-1.57	0.00	-1.51	0.00	-1.42	0.00
PF1592	-0.81	0.25	-0.24	1.00	0.78	0.75
PF1593	0.11	1.00	-0.70	1.00	-0.03	1.00
PF1594	-0.26	1.00	-0.25	1.00	-0.59	1.00
PF1595	-0.76	1.00		1.00	-0.72	1.00
PF1596	-0.14	1.00	-0.65	0.19	-0.33	1.00
PF1597	-0.19	1.00	-0.43	1.00	-0.73	1.00
PF1598	-0.56	0.05	-0.50	0.90	-0.55	1.00
PF1599	-0.63	0.06	-0.66	1.00	-0.57	1.00
PF1600	-0.88	0.00	-1.04	0.00	-1.06	0.00
PF1601	0.65	1.00	0.03	1.00	-0.60	1.00
PF1602	-1.89	0.00	-2.24	0.00	-3.32	0.00
PF1603	-0.56	1.00	-0.41	1.00	-0.97	0.02
PF1604	-0.33	1.00	-0.38	1.00	-0.69	1.00
PF1605	-0.34	1.00	-0.30	1.00	-0.43	1.00
PF1606	0.85	1.00	0.45	1.00	0.72	1.00
PF1607	-0.12	1.00	-0.08	1.00	0.36	1.00
PF1608	0.86	0.18	0.45	1.00	0.42	1.00
PF1609		1.00		1.00		1.00
PF1610		1.00		1.00	-0.70	0.39
PF1611	-1.07	0.00	-1.36	0.00	-1.06	0.00
PF1612	-1.85	1.00	-1.39	0.03	-0.87	0.09
PF1613	-0.71	1.00		1.00	-0.64	1.00
PF1614	-1.31	1.00	-1.29	1.00	-1.03	0.02
PF1615	-0.36	1.00	-0.34	1.00	-0.58	1.00
PF1616	-0.85	0.01	-0.64	0.90	-0.14	1.00
PF1617	-2.78	0.08		1.00	-1.96	0.00
PF1618	-0.01	1.00	-0.47	1.00	-0.11	1.00
PF1619	-1.28	0.49	-0.75	1.00	-0.15	1.00
PF1620	-1.52	0.01		1.00	-0.84	1.00
PF1621		0.00		0.10	-3.23	0.00
PF1622	-0.55	1.00	-0.93	1.00	-1.55	0.87
PF1623	0.84	1.00	-0.10	1.00	-0.31	1.00
PF1624	-0.03	1.00		1.00	-0.42	1.00
PF1625	0.34	1.00	-0.07	1.00	-0.30	1.00
PF1626	0.05	1.00	-0.02	1.00	0.17	1.00
PF1627	0.85	0.03	0.48	0.18	0.45	1.00

PF1628	-0.26	1.00	-0.47	1.00	-0.56	0.06
PF1629	-0.80	1.00	-0.48	1.00	-0.34	1.00
PF1630	0.32	1.00	0.04	1.00	0.35	1.00
PF1631	0.71	0.40	0.39	1.00	0.12	1.00
PF1632	0.48	1.00	-0.06	1.00	-0.29	1.00
PF1633	0.15	1.00	0.07	1.00	-0.31	1.00
PF1634	0.33	0.76	0.09	1.00	-0.01	1.00
PF1635	1.22	0.12	0.76	1.00	1.02	0.53
PF1636	0.19	1.00	0.42	1.00	0.18	1.00
PF1637	-0.60	1.00	-0.57	1.00	-0.82	0.47
PF1638	-0.65	1.00	-0.71	1.00	-0.83	0.00
PF1639	-0.82	0.27	-0.77	1.00	-0.54	0.89
PF1640	-0.60	1.00	0.15	1.00	0.26	1.00
PF1641	-0.61	0.02	0.10	1.00	0.40	1.00
PF1642	-1.19	0.02	-0.68	1.00	-0.20	1.00
PF1643	-0.45	1.00	-0.33	1.00	0.11	1.00
PF1644	-0.44	1.00	-0.21	1.00	0.39	1.00
PF1645	-0.39	1.00	-0.23	1.00	0.29	1.00
PF1646	-0.67	1.00	-0.80	1.00	0.18	1.00
PF1647	-0.33	1.00	-0.04	1.00	0.58	1.00
PF1648	0.36	1.00	0.22	1.00	0.09	1.00
PF1649	0.73	0.01	0.53	1.00	0.27	1.00
PF1650	0.00	1.00	-0.24	1.00	0.08	1.00
PF1651	-0.94	0.00	-0.91	0.02	-0.57	1.00
PF1652	-0.27	1.00	-0.85	1.00	-0.45	1.00
PF1653	-0.49	1.00	-0.42	1.00		1.00
PF1654	1.90	0.00	1.91	0.00	1.63	0.35
PF1655	1.13	0.82	1.29	1.00	1.37	0.42
PF1656	0.44	1.00	0.32	1.00	0.37	1.00
PF1657	-1.72	0.00	-1.71	1.00	-0.59	0.07
PF1658	-0.39	0.36	-0.65	1.00	0.99	0.00
PF1659	-0.54	0.15	-0.45	1.00	1.18	0.09
PF1660	-0.82	1.00	-1.27	1.00	1.56	0.04
PF1661	-0.80	1.00	-0.25	1.00	1.32	0.57
PF1662	-0.46	1.00	-0.27	1.00	1.05	1.00
PF1663	-0.13	1.00	0.40	1.00	1.86	1.00
PF1664	-0.18	1.00	0.00	1.00	1.59	0.87
PF1665	-0.66	1.00	-0.37	1.00	1.44	0.11
PF1666	-0.12	1.00	-0.44	1.00	1.17	0.25
PF1667	-0.30	1.00	-0.87	1.00	0.92	1.00
PF1668	-0.56	0.84	-0.67	0.17	-0.27	1.00
PF1669	-1.07	0.30		1.00	-0.65	0.01
PF1670	-0.39	0.92	-1.14	1.00	-0.23	1.00
PF1671	-0.56	0.20	-0.62	1.00	-0.05	1.00
PF1672	-1.72	0.04	-1.66	1.00	-1.00	0.01
PF1673	-2.27	0.00	-2.37	0.01	-2.02	0.00
PF1674	0.33	0.28	-0.17	1.00	-0.26	1.00
PF1675	0.85	1.00		1.00	0.18	1.00

PF1676	-1.11	1.00	-0.66	1.00	-0.96	1.00
PF1677	-1.57	1.00	-1.33	1.00	0.16	1.00
PF1678	0.70	1.00	0.20	1.00	2.25	1.00
PF1679	1.14	1.00	0.44	1.00	3.04	0.03
PF1680	-0.28	1.00	-0.45	1.00	1.91	1.00
PF1681	-1.93	0.06		1.00	-0.96	1.00
PF1682	-2.90	0.00		0.03	-1.77	0.01
PF1683	-2.17	0.01	-2.51	0.02	-1.23	0.01
PF1684	-2.82	0.00		0.15	-1.94	0.00
PF1685	-2.06	0.00		1.00	-1.15	1.00
PF1686	-2.02	0.03		1.00	-1.25	0.12
PF1687	-0.56	0.05	-0.86	1.00	0.66	1.00
PF1688	-0.37	0.28	-0.39	1.00	0.86	0.16
PF1689	0.00	1.00	0.18	1.00	1.13	0.03
PF1690	-0.21	1.00	-0.07	1.00	1.05	0.01
PF1691	0.12	1.00	-0.43	1.00	0.75	0.01
PF1692	0.39	1.00	-0.06	1.00	1.58	1.00
PF1693	0.25	1.00	-0.11	1.00	1.21	1.00
PF1694	-0.15	1.00		1.00	0.60	0.22
PF1695	0.65	0.13	0.75	0.02	0.63	1.00
PF1696	-0.58	0.16	-0.78	0.23	-0.67	0.06
PF1697	-0.64	0.00	-0.52	0.06	-0.77	0.10
PF1698	-0.32	1.00	-0.19	1.00	-0.17	1.00
PF1699	-0.33	1.00	0.00	1.00	0.21	1.00
PF1700	-0.25	1.00	-1.06	1.00	0.89	0.03
PF1701	-1.88	1.00	-1.64	1.00	1.69	1.00
PF1702	-0.59	1.00	-1.19	1.00	2.97	0.26
PF1703	-0.51	1.00	-0.84	1.00	3.78	0.17
PF1704		1.00		1.00	0.97	1.00
PF1705	-0.16	1.00		1.00	0.63	1.00
PF1706	-0.36	1.00	-0.62	1.00	0.12	1.00
PF1707		1.00		1.00	0.53	1.00
PF1708	-0.45	1.00	-0.99	1.00	0.40	1.00
PF1709	-0.30	1.00	-0.44	1.00	1.13	1.00
PF1710	-1.28	1.00	-1.31	1.00	0.91	0.15
PF1711	-0.82	1.00	-1.07	1.00	1.12	0.00
PF1712	-0.08	1.00	-0.08	1.00	0.07	1.00
PF1713	-2.64	0.00		0.53	-2.40	0.00
PF1714	-1.50	1.00	-1.39	0.59	-1.08	1.00
PF1715	0.00	1.00		1.00	-0.25	1.00
PF1716	-1.69	0.01	-1.96	1.00	-1.03	1.00
PF1717	0.38	1.00	0.40	1.00	-0.10	1.00
PF1718	-0.66	1.00	-0.63	1.00	-1.07	0.71
PF1719	0.04	1.00	0.09	1.00	-0.19	1.00
PF1720	-0.32	1.00	-0.58	0.02	-0.88	0.00
PF1721	0.53	0.05	0.19	1.00	0.25	1.00
PF1722	-0.38	1.00	-0.33	1.00	-0.96	0.35
PF1723	-0.36	1.00	-0.60	1.00	-0.45	1.00

PF1724	0.11	1.00	0.05	1.00	-0.01	1.00
PF1725	0.05	1.00	-0.03	1.00	-0.19	1.00
PF1726		1.00		1.00	-2.27	0.00
PF1727	-0.19	1.00	-0.07	1.00	-0.58	1.00
PF1728	0.74	0.00	0.57	1.00	0.87	1.00
PF1729	0.92	0.00	0.91	0.00	1.22	0.01
PF1730	0.63	0.08	0.47	1.00	0.73	1.00
PF1731	0.30	1.00	0.33	1.00	1.03	1.00
PF1732	0.18	1.00	-0.17	1.00	0.11	1.00
PF1733	-0.83	0.00	-0.98	0.02	-0.36	1.00
PF1734	-0.55	1.00	-0.66	1.00	-0.48	1.00
PF1735	0.22	1.00	-0.39	1.00	-0.05	1.00
PF1736	-1.16	0.01	-0.80	1.00	-0.87	0.00
PF1737	-0.39	1.00	0.66	1.00	-0.35	1.00
PF1738	-0.35	1.00		1.00	-0.78	1.00
PF1739	0.22	1.00	0.48	1.00	0.11	1.00
PF1740	-0.47	0.45	-0.14	1.00	-0.71	1.00
PF1741	-0.01	1.00	0.21	1.00	-0.28	1.00
PF1742	-0.18	1.00	0.02	1.00	-0.21	1.00
PF1743	-0.47	0.04	-0.16	1.00	-0.16	1.00
PF1744	-0.36	1.00	0.08	1.00	0.41	1.00
PF1745	-1.39	0.00	-1.33	0.00	-1.34	0.00
PF1746	-0.70	1.00	-0.24	1.00	-0.38	1.00
PF1747	-0.58	0.25	-0.37	1.00	-0.41	1.00
PF1748	-0.26	1.00	-0.08	1.00	-0.62	1.00
PF1749	-0.40	0.95	-0.16	1.00	-0.06	1.00
PF1750	-1.10	1.00	-0.56	1.00	-0.71	1.00
PF1751	-0.96	1.00	-1.68	0.02	-1.59	0.01
PF1752	-1.29	0.00	-0.81	0.66	-0.98	0.00
PF1753	0.31	1.00	0.38	1.00	0.28	1.00
PF1754	-0.09	1.00	-0.58	1.00	-0.02	1.00
PF1755	-0.42	1.00	-0.38	1.00	-0.33	1.00
PF1756	0.47	0.08	0.37	1.00	0.28	1.00
PF1757	0.08	1.00	0.33	1.00	-0.09	1.00
PF1758	-0.16	1.00	0.00	1.00	-0.40	1.00
PF1759	-0.19	1.00	-0.45	1.00	-0.56	1.00
PF1760	-0.35	0.86	-0.40	1.00	-0.29	1.00
PF1761	-0.57	0.09	-0.80	1.00	-0.78	1.00
PF1762	-0.18	1.00	-0.49	1.00	-0.38	0.06
PF1763	-0.73	0.03	-0.59	1.00	-0.45	0.98
PF1764	0.26	1.00	0.04	1.00	-0.01	1.00
PF1765	0.09	1.00	0.25	1.00	0.11	1.00
PF1766	-0.02	1.00	0.13	1.00	0.03	1.00
PF1767	2.30	0.00	2.48	0.00	1.76	0.01
PF1768	2.28	0.00	2.38	0.00	1.78	0.03
PF1769	1.90	0.00	2.24	0.00	2.10	1.00
PF1770	1.87	0.00	2.09	0.00	2.24	0.33
PF1771	2.00	0.00	2.12	0.00	1.53	1.00

PF1772	1.86	0.00	1.92	0.00	1.82	0.19
PF1773	1.83	0.00	2.10	0.00	2.40	0.95
PF1774	1.06	1.00	-0.11	1.00	0.07	1.00
PF1775	0.14	1.00	0.56	1.00	0.12	1.00
PF1776	-0.28	0.16	-0.57	1.00	-0.49	1.00
PF1777	-0.25	1.00	-0.54	0.06	-1.03	0.01
PF1778	-4.01	0.00	-4.02	0.00	-2.17	0.00
PF1779	-0.32	1.00	-0.50	1.00	-0.40	1.00
PF1780	0.22	1.00	0.32	1.00	0.04	1.00
PF1781	0.15	1.00	0.22	1.00	0.00	1.00
PF1782	0.04	1.00	0.17	1.00	-0.06	1.00
PF1783	0.00	1.00	0.23	1.00	-0.33	1.00
PF1784	0.91	0.00	0.53	0.01	-0.24	1.00
PF1785	-0.56	0.02	-0.74	0.13	-0.66	0.03
PF1786	-1.57	0.00	-1.10	0.07	-0.53	1.00
PF1787	0.14	1.00	0.06	1.00	-0.10	1.00
PF1788	0.57	0.65	0.24	1.00	0.01	1.00
PF1789	0.01	1.00	-0.55	1.00	-0.52	1.00
PF1790	-0.47	1.00		1.00	-0.05	1.00
PF1791	0.06	1.00	-0.40	1.00	-0.09	1.00
PF1792	-1.13	0.00	-1.35	0.05	-0.93	0.01
PF1793	-1.26	0.04		1.00	-0.90	1.00
PF1794	-1.27	0.00	-1.83	0.00	-1.64	0.00
PF1795	-1.24	0.04	-1.50	1.00	-0.89	1.00
PF1796	-1.40	0.02		1.00	-0.39	1.00
PF1797	-1.99	0.59		1.00	-0.60	1.00
PF1798	-0.67	1.00	-0.54	1.00	-0.23	1.00
PF1799	-0.06	1.00	-0.35	1.00	-0.20	1.00
PF1800	0.42	1.00	0.10	1.00	0.13	1.00
PF1801	0.23	1.00	0.33	1.00	0.18	1.00
PF1802	0.19	1.00	-0.14	1.00	0.23	1.00
PF1803	0.10	1.00	-0.30	1.00	0.42	1.00
PF1804	-0.04	1.00	-0.58	0.83	-0.02	1.00
PF1805	0.24	1.00	0.18	1.00	0.72	1.00
PF1806	0.43	1.00	0.13	1.00	0.53	1.00
PF1807	0.40	1.00	-0.13	1.00	0.65	1.00
PF1808	0.37	1.00	-0.04	1.00	0.51	1.00
PF1809	0.32	1.00	0.03	1.00	0.61	1.00
PF1810	0.46	1.00	0.18	1.00	0.77	1.00
PF1811	0.17	1.00	-0.27	1.00	0.65	1.00
PF1812	0.18	1.00	-0.09	1.00	0.44	1.00
PF1813	0.20	1.00	-0.17	1.00	0.79	1.00
PF1814	0.27	1.00	0.29	1.00	0.91	1.00
PF1815	0.34	1.00	0.02	1.00	0.81	1.00
PF1816	-0.10	1.00	-0.38	1.00	0.59	1.00
PF1817	0.05	1.00	-0.49	1.00	0.73	1.00
PF1818	0.51	0.60	0.21	1.00	0.50	1.00
PF1819	0.32	1.00	0.14	1.00	0.53	1.00

PF1820	0.54	1.00	0.27	1.00	0.59	1.00
PF1821	0.21	1.00	-0.05	1.00	0.50	1.00
PF1822	-0.02	1.00	-0.27	1.00	0.17	1.00
PF1823	0.29	1.00	-0.01	1.00	0.95	1.00
PF1824	0.59	0.01	0.36	1.00	0.49	1.00
PF1825	0.48	0.36	0.23	1.00	0.40	1.00
PF1826	-0.55	0.17	-1.23	0.00	-1.06	0.00
PF1827	-0.22	1.00	-0.29	1.00	-0.51	1.00
PF1828	-0.52	0.28	-0.42	0.00	-0.60	1.00
PF1829	-0.16	1.00	-0.42	1.00	-0.69	0.00
PF1830		0.16		0.81	-1.19	1.00
PF1831	-0.19	1.00	-0.19	1.00	-1.01	0.85
PF1832	-0.36	1.00		1.00	-0.83	0.99
PF1833	-1.26	1.00	-1.05	0.06	-0.97	0.03
PF1834		0.01		1.00	-1.28	0.13
PF1835	-0.66	0.03	-0.44	1.00	-0.33	1.00
PF1836		0.80		1.00	-0.99	0.01
PF1837	-2.57	0.00	-2.32	0.00	-1.25	0.00
PF1838	-2.14	0.00	-1.95	0.00	-1.45	0.00
PF1839	0.84	0.02	0.61	0.12	0.64	0.25
PF1840		1.00		1.00		1.00
PF1841		1.00		1.00	-0.44	1.00
PF1842	-0.04	1.00	-0.63	1.00	-0.24	1.00
PF1843	0.01	1.00	-0.15	1.00	0.04	1.00
PF1844	0.34	1.00		1.00	0.46	1.00
PF1845	0.85	0.05	0.97	1.00	0.63	1.00
PF1846		0.56		1.00	-0.95	0.02
PF1847	-1.60	0.00		0.44	-1.23	0.29
PF1848	-0.80	0.00	-1.14	0.34	-1.34	0.00
PF1849	-0.25	1.00	-0.57	1.00	-0.93	0.00
PF1850	-0.04	1.00	-0.19	1.00	-0.60	1.00
PF1851	-0.89	0.45	-0.69	1.00	-1.04	0.34
PF1852	1.21	1.00	1.05	0.05	0.43	1.00
PF1853	-1.49	0.01	-1.46	0.09	-1.03	1.00
PF1854	-0.31	1.00		1.00	-1.04	0.68
PF1855	-0.08	1.00	-0.79	1.00	-0.44	1.00
PF1856	-0.39	1.00	-0.18	1.00	-0.34	1.00
PF1857	-1.00	0.03	-0.90	1.00	-0.76	0.03
PF1858	-0.88	0.00	-1.12	0.00	-0.62	0.32
PF1859	-0.72	0.01	-0.86	0.10	-0.69	0.09
PF1860	-1.45	0.00	-1.22	0.07	-0.61	1.00
PF1861		1.00		1.00	0.01	1.00
PF1862	-0.18	1.00	-0.55	1.00	-0.77	0.04
PF1863	-0.76	0.12	-0.61	1.00	-0.62	0.18
PF1864		1.00	-1.11	1.00	-0.63	1.00
PF1865		1.00		1.00	-1.22	0.79
PF1866		1.00		1.00	-1.05	1.00
PF1867	0.22	1.00	-0.29	1.00	0.25	1.00



PF1868	-0.23	1.00	-0.54	1.00	-0.17	1.00
PF1869	-0.34	1.00	-0.21	1.00	-0.52	1.00
PF1870	-1.18	0.63	-0.75	1.00	-0.96	1.00
PF1871	-1.89	0.00	-2.48	0.06	-1.63	0.27
PF1872	-1.34	0.02	-1.60	0.00	-1.29	0.02
PF1873	-1.54	0.00	-1.15	0.00	-0.60	1.00
PF1874	-0.91	0.07	-1.32	0.00	-1.20	0.00
PF1875	-0.60	1.00	-1.14	1.00	-1.07	0.01
PF1876	-1.31	0.01	-1.21	0.00	-0.92	1.00
PF1877	0.06	1.00	-0.08	1.00	0.13	1.00
PF1878	-0.06	1.00	0.08	1.00	0.36	1.00
PF1879	0.33	0.46	0.45	0.36	-0.01	1.00
PF1880	-1.64	0.00	-1.11	0.00	-0.69	0.39
PF1881	0.69	0.53	0.69	0.61	0.51	1.00
PF1882	0.31	0.86	0.46	1.00	0.67	1.00
PF1883	-0.68	0.92	-1.08	1.00	-0.42	1.00
PF1884	-0.82	0.00	-0.59	1.00	-0.09	1.00
PF1885		1.00		1.00	-0.19	1.00
PF1886	0.03	1.00	0.19	1.00	-0.36	1.00
PF1887	-0.03	1.00	-0.16	1.00	-0.15	1.00
PF1888	-0.13	1.00	0.14	1.00	-0.16	1.00
PF1889	-0.58	0.00	-0.82	0.01	-1.18	0.05
PF1890	-3.60	0.00		0.32	-2.37	0.00
PF1891	0.11	1.00	0.37	1.00	0.31	1.00
PF1892	-0.68	0.00	-0.46	1.00	-0.46	1.00
PF1893	0.33	1.00	0.50	1.00	0.43	1.00
PF1894	-0.41	1.00	-0.28	1.00	-0.05	1.00
PF1895	0.43	0.51	0.31	1.00	0.15	1.00
PF1896	-0.07	1.00	-0.08	1.00	-0.33	1.00
PF1897	-0.33	1.00	-0.21	1.00	-0.90	0.00
PF1898	-0.87	1.00	-0.24	1.00	-0.35	1.00
PF1899	-0.70	1.00	-0.46	0.24		1.00
PF1900	0.12	1.00	-0.74	1.00	0.10	1.00
PF1901	-0.55	0.50	-0.90	0.34	-0.53	1.00
PF1902	-0.59	0.13	-0.58	0.10		1.00
PF1903	-0.96	0.00	-1.07	0.21	-1.05	0.02
PF1904	-0.86	0.01	-0.82	0.01	-1.23	0.00
PF1905	-1.65	0.00		1.00	-1.26	0.80
PF1906	-0.47	1.00	-0.72	1.00	-0.07	1.00
PF1907	1.17	0.00	1.63	0.00	1.22	0.00
PF1908	1.16	0.00	1.36	0.31	1.10	0.00
PF1909	0.31	1.00	0.36	1.00	-0.71	1.00
PF1910	0.62	1.00		1.00	0.24	1.00
PF1911	-0.73	1.00		1.00	-0.69	0.71
PF1912	0.08	1.00	-0.23	1.00	-0.29	1.00
PF1913	-0.31	1.00	-0.39	1.00	-0.49	1.00
PF1914	-0.52	1.00	-0.25	1.00	-0.13	1.00
PF1915	-0.30	1.00	-0.78	1.00	-0.64	1.00

PF1916	-1.22	0.16	-0.70	0.43	-0.59	1.00
PF1917	-0.63	0.13	-0.55	1.00	-0.59	1.00
PF1918	-0.52	0.06	-0.45	1.00	0.79	0.01
PF1919	-0.46	1.00	-0.48	1.00	0.66	1.00
PF1920	0.61	0.21	0.77	0.02	-0.36	1.00
PF1921	-0.14	1.00	0.02	1.00	-0.02	1.00
PF1922	0.14	1.00	-0.04	1.00	-0.21	1.00
PF1923	-0.54	1.00	-0.23	1.00	0.66	1.00
PF1924	0.39	1.00	0.35	1.00	0.51	1.00
PF1925	0.55	0.01	0.10	1.00	0.43	1.00
PF1926	1.08	1.00	1.45	1.00	0.50	1.00
PF1927	1.10	0.06	0.41	1.00	0.02	1.00
PF1928	-0.58	0.49		1.00	-0.82	1.00
PF1929	-2.04	0.00		1.00	-2.08	0.00
PF1930	0.86	0.10	0.69	1.00	0.22	1.00
PF1931	-0.11	1.00	0.15	1.00	0.92	1.00
PF1932	-0.04	1.00	-0.22	1.00	-0.13	1.00
PF1933	-0.78	1.00	-0.62	0.37	-0.75	1.00
PF1934	-1.06	1.00	-1.10	1.00	-1.14	1.00
PF1935	-1.33	0.01	-1.65	0.05	-2.02	0.03
PF1936	-1.10	0.00	-0.93	0.00	-1.88	0.00
PF1937	-1.46	0.02	-1.23	0.01	-2.07	0.00
PF1938	-0.22	1.00	-0.76	0.04	-2.20	0.00
PF1939	0.41	1.00	0.25	1.00	0.24	1.00
PF1940	-1.73	1.00	-2.24	1.00	-1.16	0.25
PF1941	-1.24	0.70	-0.80	1.00	-0.65	0.94
PF1942	0.22	1.00	0.41	0.01	0.13	1.00
PF1943	-0.29	1.00	0.15	1.00	0.15	1.00
PF1944	-0.43	0.78	-0.56	1.00	0.24	1.00
PF1945	-1.96	0.00		1.00	-1.68	0.01
PF1946	-2.10	0.00	-2.79	0.16	-2.07	0.00
PF1947	0.19	1.00	0.07	1.00	-0.33	1.00
PF1948	-0.27	1.00	-0.50	0.47	-0.25	1.00
PF1949		1.00		1.00		1.00
PF1950	0.78	0.00	0.54	0.05	0.20	1.00
PF1951	-2.08	0.00	-2.57	0.43	-0.36	1.00
PF1952	0.70	0.07	0.43	1.00	0.35	1.00
PF1953	0.24	1.00	-0.28	1.00	-0.71	0.19
PF1954	-0.36	0.35	-0.92	1.00	-0.96	0.00
PF1955	0.58	1.00		1.00	-0.16	1.00
PF1956	2.17	0.00	1.79	0.00	1.14	0.01
PF1957	0.33	0.73	-0.02	1.00	0.09	1.00
PF1958	0.32	1.00		1.00	0.05	1.00
PF1959	1.12	0.00	0.78	0.07	0.78	0.22
PF1960	2.36	0.00	2.41	0.00	1.89	0.02
PF1961	1.71	0.58	2.03	1.00	2.06	0.03
PF1962	0.68	1.00	0.76	1.00	0.28	1.00
PF1963	-0.92	0.17		1.00	-1.32	0.11

PF1964	0.25	1.00	0.50	1.00	0.08	1.00
PF1965	0.41	1.00	0.46	1.00	0.40	1.00
PF1966	0.75	0.00	0.73	0.00	0.90	0.11
PF1967	0.14	1.00	0.00	1.00	0.25	1.00
PF1968		1.00		1.00	-0.19	1.00
PF1969	-1.09	1.00		1.00	-0.83	1.00
PF1970	-0.35	1.00		1.00	-0.47	1.00
PF1971	1.32	0.02	1.27	0.07	1.21	0.45
PF1972	1.98	0.00	1.59	0.00	1.50	0.07
PF1973	2.10	0.00	2.46	0.00	1.78	0.00
PF1974	1.00	0.03	0.83	0.00	0.55	0.24
PF1975	0.08	1.00	0.38	1.00	1.48	0.01
PF1976	-0.15	1.00	-0.13	1.00	1.06	0.09
PF1977	0.00	1.00	-0.29	1.00	-0.04	1.00
PF1978	-0.07	1.00	-0.21	1.00	0.14	1.00
PF1979	-0.47	1.00	-0.37	1.00	-0.17	1.00
PF1980	-1.58	0.00	-1.96	1.00	-1.03	0.00
PF1981	0.64	0.00	0.42	1.00	0.52	1.00
PF1982	1.14	0.00	0.55	1.00	0.22	1.00
PF1983	-0.59	1.00		1.00	-0.60	1.00
PF1984		0.17		1.00	-0.98	1.00
PF1985	-0.11	1.00		1.00	0.13	1.00
PF1986	-1.16	0.06		1.00	-0.23	1.00
PF1987	-0.12	1.00	-0.35	1.00	-0.19	1.00
PF1988	0.30	0.56	0.22	1.00	0.07	1.00
PF1989	0.20	1.00	0.25	1.00	0.71	1.00
PF1990	0.37	1.00	0.23	1.00	0.34	1.00
PF1991	0.81	0.00	0.35	1.00	0.33	1.00
PF1992	-0.11	1.00	-0.09	1.00	0.25	1.00
PF1993	-0.06	1.00	-0.02	1.00	0.28	1.00
PF1994	0.23	1.00	0.24	1.00	0.17	1.00
PF1995		1.00	-1.01	1.00	-0.59	1.00
PF1996	0.03	1.00		1.00	-0.28	1.00
PF1997		1.00		1.00	-0.94	0.53
PF1998	-1.01	0.01	-1.33	0.10	-0.76	0.23
PF1999	-3.54	0.00		0.31	-2.15	0.00
PF2000	-3.32	0.01		0.34	-2.05	0.00
PF2001	-0.43	1.00		1.00	-0.77	1.00
PF2002	0.82	1.00	0.85	0.36	0.18	1.00
PF2003	-0.27	1.00		1.00	-0.31	1.00
PF2004	-0.30	1.00	-0.82	1.00	-0.28	1.00
PF2005	0.27	1.00	-0.33	1.00	0.36	1.00
PF2006	0.26	1.00	0.16	1.00	0.40	1.00
PF2007	0.15	1.00	0.24	1.00	0.21	1.00
PF2008	0.04	1.00	0.06	1.00	-0.44	1.00
PF2009	-0.96	1.00	-0.66	1.00	-0.86	0.31
PF2010	-1.14	0.00	-1.37	0.00	-1.40	0.00
PF2011	-1.96	0.03		1.00	-1.57	0.00

PF2012	0.85	0.00	0.30	1.00	0.59	1.00
PF2013	-0.37	0.16	-0.69	1.00	-0.75	1.00
PF2014	-0.05	1.00	-0.28	1.00	-0.10	1.00
PF2015	0.15	1.00	0.13	1.00	0.54	0.02
PF2016	0.20	1.00	-0.22	1.00	-0.44	1.00
PF2017	0.68	1.00	0.51	1.00	0.56	1.00
PF2018	0.21	1.00	-0.01	1.00	0.23	1.00
PF2019	0.84	1.00	0.19	1.00	0.36	1.00
PF2020	0.07	1.00	-0.24	1.00	0.09	1.00
PF2021	-0.80	1.00		1.00	-0.55	1.00
PF2022		1.00		1.00	-0.51	1.00
PF2023	-1.98	0.05		1.00	-0.50	1.00
PF2024	-1.62	0.14	-1.44	1.00	-0.72	0.01
PF2025		1.00		1.00		1.00
PF2026		1.00	-0.12	1.00		1.00
PF2027	0.12	1.00		1.00	-0.60	1.00
PF2028		1.00		1.00		1.00
PF2029		1.00		1.00	-0.03	1.00
PF2030		1.00		1.00	-0.62	1.00
PF2031		1.00		1.00	-0.48	1.00
PF2032	0.16	1.00	0.04	1.00	0.44	1.00
PF2033	0.20	1.00	-0.20	1.00	-0.31	1.00
PF2034	0.08	1.00	0.09	1.00	0.05	1.00
PF2035	-0.10	1.00	-0.65	1.00	-0.25	1.00
PF2036	1.27	0.00	0.69	1.00	0.59	1.00
PF2037	1.51	0.01	0.56	1.00	0.87	1.00
PF2038	0.10	1.00	-0.23	1.00	0.16	1.00
PF2039	-0.35	1.00	-0.11	1.00	-0.31	1.00
PF2040	-0.27	1.00	-0.65	1.00	-0.22	1.00
PF2041	0.37	1.00	0.09	1.00	0.45	1.00
PF2042	-0.83	0.49		1.00	-0.68	1.00
PF2043	-1.01	0.00	-0.58	1.00	-0.60	1.00
PF2044	0.81	0.00	0.92	0.00	0.75	1.00
PF2045		1.00		1.00	-1.16	1.00
PF2046	-1.68	0.00	-1.49	0.92	-0.73	0.00
PF2047	0.64	0.11		1.00	-0.73	1.00
PF2048	-0.12	1.00	-0.05	1.00	-0.34	1.00
PF2049	-0.32	1.00	0.20	1.00	0.27	1.00
PF2050	0.06	1.00	0.07	1.00	0.26	1.00
PF2051	-2.01	0.00		1.00	-1.41	0.00
PF2052		0.03		1.00	-0.97	0.35
PF2053	0.30	1.00	0.30	1.00	0.45	1.00
PF2054	0.55	1.00	0.03	1.00	0.22	1.00
PF2055	-0.38	1.00	-0.25	1.00	-0.15	1.00
PF2056	0.84	0.01	0.58	0.17	0.18	1.00
PF2057		1.00		1.00		1.00
PF2058		1.00		1.00	-0.27	1.00
PF2059	0.56	0.15	0.25	1.00	-0.09	1.00

PF2060		1.00	0.94	1.00		1.00
PF2061	-1.88	0.01	-1.19	0.14	-0.59	1.00
PF2062		0.02		0.27	-0.73	1.00
PF2063	-0.77	1.00	-0.51	1.00	-0.27	1.00
PF2064	-1.28	0.05		1.00	-0.35	1.00
PF2065	-0.58	1.00	-0.66	1.00	-0.33	1.00