

Gene name	Fold change	FDR	RPKM_CTRL1	RPKM_CTRL2	RPKM_CTRL3	RPKM_CTRL4	RPKM_IL-1b1
MARCH1	1.86	0.14	0.23	0.27	1.44	0.23	1.14
MARCH2	1.63	0.00	12.16	10.98	11.23	14.16	18.69
MAR2	-1.17	0.46	15.71	25.12	22.45	16.31	17.17
MARCH3	2.46	0.00	0.69	1.65	1.31	2.72	3.03
MARCH5	1.56	0.00	16.74	17.02	17.49	18.69	31.69
MARCH6	1.21	0.21	128.78	108.84	134.33	142.23	168.57
MARCH7	1.13	0.46	89.79	86.06	101.56	113.02	106.44
MARCH8	1.25	0.42	32.68	29.37	53.52	33.52	37.75
MARCH9	1.23	0.43	6.77	6.18	5.74	8.61	11.49
SEPT1	-1.43	0.11	5.28	5.08	4.96	6.00	4.29
SEPT2	-1.16	0.36	226.60	194.77	218.66	212.78	144.96
SEPT3	-4.92	0.00	7.22	2.47	3.00	2.15	0.51
SEPT4	-1.44	0.08	16.28	15.10	12.14	9.17	6.82
SEPT5	-1.35	0.10	117.89	103.77	138.90	166.92	75.13
SEPT6	-1.29	0.10	46.33	37.06	37.86	50.96	26.26
SEPT7	-1.11	0.56	285.65	372.93	403.65	333.61	309.23
SEPT8	-1.17	0.30	41.51	33.63	39.03	39.64	34.85
SEPT9	-1.36	0.06	190.02	177.88	144.51	132.83	123.62
SEPT10	-1.22	0.19	43.46	47.90	40.86	40.31	31.69
SEPT11	1.32	0.15	7.00	7.27	8.49	9.51	11.74
SEPT15	-1.29	0.08	108.71	125.73	124.93	109.85	83.21
A2M	19.02	0.00	1.95	1.92	3.52	0.91	81.70
A4GALT	108.00	0.00	0.57	1.10	0.78	0.34	110.61
AAAS	-1.65	0.00	21.56	19.63	24.28	18.57	12.50
AACS	-1.06	0.70	56.42	57.24	64.23	64.44	63.13
AADACL3	-2.24	0.02	2.06	2.61	1.83	1.36	0.88
AADAT	-2.33	0.00	14.33	12.08	11.62	12.46	6.19
AAED1	1.33	0.07	9.17	10.29	10.57	10.53	14.90
AAGAB	1.21	0.28	21.33	16.88	20.10	23.78	26.01
AAK1	-1.13	0.52	60.43	47.63	43.21	67.27	57.20
AAMDC	-1.62	0.00	22.25	27.86	33.94	28.31	14.90
AAMP	1.23	0.16	41.40	45.43	45.95	43.83	63.64
AAR2	-1.12	0.60	8.37	9.75	7.57	9.17	7.58
AARS	1.15	0.43	78.21	92.10	93.21	73.16	113.77
AARS2	-1.23	0.27	10.78	9.33	10.05	11.10	7.32
AARSD1	-1.24	0.26	16.17	23.88	17.10	15.85	15.15
AASDH	1.04	0.83	15.48	10.43	14.10	19.70	14.52
AASDHPP	-1.16	0.36	21.44	20.04	21.67	20.16	17.80
AASS	1.29	0.12	38.19	20.45	30.81	33.63	43.06
AATF	1.12	0.57	13.65	21.27	16.19	12.23	22.60
AATK	-1.40	0.50	1.49	0.55	0.91	1.13	0.51
ABAT	-1.47	0.19	4.93	2.61	3.39	3.74	2.40
ABCA1	1.09	0.78	12.96	5.35	5.22	8.38	9.22
ABCA2	1.80	0.04	24.88	23.75	28.20	40.88	78.41
ABCA3	28.90	0.00	1.03	1.24	0.78	0.23	38.13
ABCA5	1.21	0.31	12.61	11.67	16.32	16.08	16.79

ABCA7	-2.83	0.00	6.54	7.27	6.66	8.95	2.15
ABCA9	-3.21	0.00	4.59	4.53	3.39	2.72	0.63
ABCB10	1.03	0.91	10.78	8.92	10.05	14.50	13.89
ABCB6	1.27	0.29	5.28	7.41	8.35	5.55	6.57
ABCB7	1.17	0.32	17.43	16.75	18.41	20.27	20.20
ABCB8	1.23	0.35	14.33	14.96	13.32	14.50	16.29
ABCB9	1.48	0.23	2.52	0.82	1.83	1.36	3.03
ABCC1	5.88	0.00	6.19	8.24	7.96	8.15	54.04
ABCC10	1.02	0.97	15.48	13.18	10.70	15.85	10.61
ABCC3	6.35	0.00	3.21	2.20	0.39	2.83	10.48
ABCC5	1.08	0.68	12.96	5.35	9.92	9.97	12.00
ABCC8	-6.31	0.00	1.38	1.37	1.31	3.96	0.13
ABCC9	-1.45	0.29	2.52	2.47	6.01	1.81	1.14
ABCD1	-1.10	0.66	10.44	8.37	11.62	8.95	10.86
ABCD3	1.02	0.92	30.73	24.84	31.72	34.65	34.09
ABCD4	1.01	0.96	21.10	13.04	19.19	19.59	19.70
ABCE1	1.07	0.69	42.77	37.61	47.78	44.28	51.26
ABCF1	-1.12	0.49	43.81	51.20	41.77	42.24	42.43
ABCF2	1.50	0.03	11.24	14.41	17.23	13.02	27.40
ABCF3	-1.11	0.51	26.03	31.71	30.03	28.76	23.23
ABCG1	2.22	0.29	7.34	2.61	6.27	4.64	22.22
ABCG2	1.41	0.65	0.57	0.96	1.04	1.02	0.63
ABHD1	-1.24	0.61	1.38	1.24	1.83	1.02	1.14
ABHD10	1.09	0.63	12.04	14.69	13.32	15.97	13.26
ABHD11	-1.02	0.94	5.62	9.33	9.79	8.15	9.60
ABHD12	-1.36	0.05	31.99	46.80	39.69	31.71	29.80
ABHD13	1.38	0.08	8.72	9.61	6.66	6.00	12.37
ABHD14A	1.72	0.00	16.74	15.24	16.71	19.25	28.41
ABHD14B	1.52	0.00	27.29	26.77	32.24	29.56	37.00
ABHD15	1.13	0.69	2.64	0.96	0.78	1.25	1.14
ABHD16A	1.15	0.37	26.72	21.00	23.24	25.03	29.04
ABHD16B	2.05	0.08	0.80	0.27	1.57	0.45	2.15
ABHD17A	-1.03	0.94	27.87	42.41	34.99	30.12	31.95
ABHD17B	1.16	0.49	7.57	7.96	7.05	7.13	7.45
ABHD17C	1.40	0.38	1.38	1.51	2.61	2.72	1.77
ABHD18	-1.05	0.79	15.25	22.10	24.80	21.29	12.88
ABHD2	2.47	0.00	8.83	8.24	8.09	8.83	20.71
ABHD3	2.13	0.00	2.06	2.06	2.22	3.06	4.17
ABHD4	5.84	0.00	11.12	8.78	7.96	11.21	69.70
ABHD6	1.79	0.02	3.33	2.75	3.13	3.40	5.56
ABHD8	1.91	0.00	7.11	8.24	7.83	10.19	17.30
ABI1	1.72	0.00	12.27	15.65	12.92	14.27	28.03
ABI2	-1.46	0.01	59.86	72.88	53.78	57.64	51.01
ABI3BP	1.25	0.37	148.16	136.30	65.80	505.29	149.12
ABL1	1.46	0.03	70.07	56.14	56.13	60.59	122.35
ABL2	1.16	0.47	14.79	12.49	11.23	8.49	14.02
ABLM1	-2.67	0.00	35.09	20.73	39.82	36.12	8.59

ABLIM3	-2.40	0.02	2.87	1.65	2.09	1.36	1.77
ABR	-1.14	0.43	269.26	280.00	227.54	279.82	225.77
ABT1	-1.22	0.21	15.71	14.82	14.23	14.50	12.88
ABTB1	1.44	0.02	23.28	21.55	25.33	23.10	35.48
ABTB2	1.27	0.14	27.64	22.78	17.36	35.33	33.71
ACAA1	-1.21	0.22	47.59	59.71	59.53	48.13	37.12
ACAA2	1.26	0.14	17.55	17.71	15.67	18.69	23.49
ACACA	-1.06	0.74	46.67	52.29	52.74	44.50	52.40
ACACB	1.62	0.24	0.23	1.37	0.78	2.04	2.53
ACAD10	1.76	0.00	11.01	11.39	9.53	12.23	20.71
ACAD11	1.01	0.99	16.17	15.78	19.32	15.85	21.72
ACAD8	-1.05	0.78	25.57	25.53	26.24	28.54	22.85
ACAD9_2	-1.21	0.38	11.24	8.10	13.19	12.34	8.08
ACADL	-1.57	0.01	23.16	20.73	14.62	18.01	13.51
ACADM	1.78	0.01	3.21	3.02	2.74	3.17	6.19
ACADS	-1.39	0.02	30.16	33.63	31.46	26.39	17.80
ACADSB	-1.31	0.13	24.20	21.14	20.89	32.27	16.79
ACADVL	1.53	0.00	27.98	30.47	31.46	30.92	44.70
ACAN	-2.33	0.00	45614.00	61083.30	60987.82	53916.16	13899.82
ACAP1	-1.13	0.66	19.84	11.80	10.18	14.04	11.24
ACAP2	1.17	0.43	8.94	7.14	7.44	7.47	9.09
ACAP3	1.21	0.28	30.04	19.49	22.58	31.59	31.57
ACAT1	-1.17	0.26	58.71	56.28	50.78	57.41	43.94
ACAT2	1.16	0.44	89.45	95.94	91.38	64.55	110.74
ACBD3	-1.50	0.00	137.95	157.02	170.62	141.67	90.41
ACBD4	1.87	0.00	3.55	2.75	3.00	2.72	5.30
ACBD5	1.14	0.50	17.32	14.14	15.67	14.83	13.64
ACBD6	1.02	0.97	3.90	5.76	6.40	5.32	6.82
ACCS	-1.42	0.02	40.94	34.04	35.90	30.69	19.57
ACD	1.06	0.79	6.19	7.00	7.57	9.97	7.58
ACE	-1.32	0.48	1.49	1.65	1.83	0.79	1.14
ACER3	1.10	0.82	7.00	6.73	5.87	6.12	10.23
ACIN1	1.09	0.60	178.20	146.59	187.46	205.99	185.99
ACKR2	6.97	0.00	0.46	0.96	0.13	0.68	3.41
ACKR3	-1.92	0.00	15.60	24.57	16.45	24.01	6.06
ACLY	-1.77	0.00	174.99	204.10	217.62	143.93	79.17
ACO1	-1.27	0.10	52.18	48.18	59.66	48.47	35.86
ACO2	-1.12	0.63	64.33	91.41	61.75	51.98	60.61
ACOT11	-1.53	0.18	8.37	4.53	4.18	6.79	1.89
ACOT13	-1.15	0.47	16.17	22.51	23.11	21.06	12.63
ACOT2_1	1.08	0.79	3.10	4.67	2.61	4.87	3.54
ACOT4	1.36	0.28	2.87	1.65	3.00	3.62	3.03
ACOT7	-1.76	0.00	11.81	16.33	15.53	9.40	8.33
ACOT8	1.92	0.15	1.72	0.41	1.17	1.25	3.79
ACOT9	-1.32	0.07	18.46	21.41	21.80	18.12	13.64
ACOX1	1.81	0.00	22.36	20.86	18.41	22.65	35.99
ACOX2	-1.90	0.00	15.48	11.53	16.71	9.63	8.08

ACOX3_1	1.06	0.94	3.67	3.57	4.31	3.85	5.30
ACOX3_2	-1.04	0.89	5.16	6.45	6.79	4.87	5.68
ACP1	-1.12	0.60	12.38	15.24	19.19	14.16	12.00
ACP2	-1.08	0.70	9.98	9.88	9.92	9.97	8.33
ACP5	1.34	0.79	2.41	7.00	10.57	1.81	3.54
ACP6	2.53	0.00	3.67	4.12	5.74	6.68	14.39
ACPT	-1.51	0.16	3.55	5.35	3.92	2.60	3.03
ACRBP	-2.42	0.02	5.50	3.29	10.44	3.62	3.28
ACRC	2.39	0.00	9.98	6.86	6.53	10.19	23.99
ACSF2	-1.87	0.00	27.41	33.22	25.46	26.39	9.60
ACSF3	1.56	0.06	2.75	3.16	2.22	2.72	4.29
ACSL1	1.01	1.00	98.73	92.24	112.01	101.01	130.94
ACSL3	1.90	0.00	87.04	95.12	88.77	79.72	246.85
ACSL4	3.32	0.00	75.91	77.28	94.38	61.49	409.36
ACSL5	6.43	0.00	2.06	1.92	0.39	1.70	12.00
ACSL6	12.50	0.00	1.03	1.10	1.31	0.34	15.15
ACSM3	-1.86	0.08	2.29	1.65	1.70	2.72	0.38
ACSM4	-1.24	0.46	4.93	3.29	3.92	5.78	3.91
ACSS2	1.16	0.44	18.35	10.29	19.19	10.53	15.40
ACTA2	-5.06	0.00	9.75	28.00	40.60	6.34	2.15
ACTB	-1.19	0.27	1151.33	1238.74	1168.13	991.90	1015.32
ACTG1	-1.02	0.96	902.95	1167.37	1130.40	837.43	1047.64
ACTL6A	-1.74	0.00	24.20	30.20	29.11	22.76	14.14
ACTN1	-1.17	0.36	42.43	40.35	58.35	48.69	41.79
ACTN2	-2.83	0.02	2.29	0.96	1.31	3.40	0.38
ACTN3	2.46	0.01	2.41	0.82	2.22	1.25	6.57
ACTN4	1.07	0.75	291.85	343.96	261.61	309.04	306.58
ACTR10	-1.09	0.55	46.90	45.16	46.74	47.11	37.50
ACTR1A	-1.17	0.29	57.22	63.00	59.27	55.72	51.26
ACTR1B	1.04	0.89	112.50	64.10	110.18	108.60	137.13
ACTR2	1.07	0.70	85.43	97.73	99.48	95.35	101.01
ACTR3	1.31	0.07	105.73	125.32	120.36	120.49	167.30
ACTR3B	1.50	0.00	32.80	24.29	27.15	36.80	43.44
ACTR5	-1.11	0.81	9.29	3.84	7.83	6.12	5.56
ACTR6	1.17	0.50	4.93	4.25	8.09	4.98	7.58
ACTR8	-1.13	0.55	10.55	14.27	10.97	10.19	10.35
ACTRT3	1.09	0.82	4.13	6.04	4.70	6.34	5.81
ACVR1	1.84	0.00	46.33	46.53	35.64	57.64	72.60
ACVR1B	-1.01	0.96	10.66	8.92	11.36	7.93	10.48
ACVR2A	-1.61	0.01	24.66	19.08	32.51	25.03	12.88
ACVR2B	-1.41	0.44	1.15	1.24	0.78	1.70	1.01
ACVRL1	1.25	0.52	3.78	5.22	7.96	3.28	5.30
ACY1	-1.19	0.45	5.85	7.41	6.14	5.78	5.68
ACYP1	1.01	1.00	3.10	3.98	3.39	3.51	4.17
ACYP2	1.17	0.61	2.06	3.71	1.57	2.83	3.28
ADA	-2.42	0.07	2.64	1.37	5.48	1.36	2.15
ADAL	-1.92	0.00	11.12	8.92	8.49	7.81	4.67

ADAM10	1.37	0.02	16.97	17.16	17.62	18.12	24.12
ADAM12	-3.98	0.00	99.42	164.57	104.96	120.83	18.56
ADAM15	9.84	0.00	1.61	1.37	2.35	4.42	29.93
ADAM17	2.06	0.00	16.97	19.35	16.19	22.65	43.56
ADAM19	1.02	0.77	2.64	2.75	7.44	4.19	1.77
ADAM23	14.58	0.00	1.38	5.63	3.13	0.45	38.01
ADAM32	-1.46	0.43	0.80	1.78	0.65	1.02	0.76
ADAM33	2.15	0.11	1.83	0.69	3.13	0.91	5.68
ADAM9	1.87	0.00	32.22	27.04	25.46	34.31	67.05
ADAMTS1	1.80	0.24	16.05	12.63	18.02	12.34	53.03
ADAMTS10	-1.18	0.31	77.86	74.53	75.19	79.95	48.49
ADAMTS12	-2.38	0.00	12.61	15.65	18.54	14.61	3.91
ADAMTS13	-1.12	0.91	1.15	0.41	2.48	0.57	1.64
ADAMTS14	-35.12	0.00	9.17	7.69	25.72	9.97	0.25
ADAMTS17	1.45	0.04	19.49	13.59	14.49	17.89	30.94
ADAMTS2	-2.10	0.00	38.19	34.45	34.73	45.86	17.05
ADAMTS20	-2.80	0.01	3.44	0.96	3.92	1.93	1.39
ADAMTS3	-3.15	0.00	107.79	104.86	61.62	121.85	19.32
ADAMTS4	16.37	0.00	3.21	7.14	10.84	2.26	143.31
ADAMTS5	82.62	0.00	0.11	0.00	0.00	0.68	27.91
ADAMTS6	-6.59	0.00	105.50	58.47	117.88	70.55	7.20
ADAMTS7	12.29	0.00	2.98	1.65	4.44	1.93	28.41
ADAMTS9	2.14	0.03	38.30	16.61	20.63	15.74	76.14
ADAMTSL2	-1.49	0.07	7.91	5.49	7.31	9.17	4.17
ADAMTSL3	-1.65	0.54	0.92	0.41	1.57	4.30	0.76
ADAMTSL4	12.71	0.00	87.84	107.33	121.28	111.43	1344.12
ADAP2	1.45	0.42	1.15	0.55	0.52	0.79	0.76
ADAR	-1.11	0.52	118.92	105.41	121.28	113.24	114.90
ADARB1	1.21	0.55	3.33	1.92	3.26	4.19	3.54
ADAT1	-1.01	0.96	8.94	12.76	8.09	7.25	9.98
ADAT2	1.11	0.64	8.83	6.45	7.18	8.72	7.20
ADCK1	1.16	0.70	1.61	1.24	2.22	1.36	2.27
ADCK2	1.25	0.30	7.91	6.86	8.75	8.38	12.12
ADCK3	1.86	0.04	23.85	9.75	20.10	24.23	24.62
ADCK4	1.22	0.32	11.35	17.98	13.84	10.87	19.07
ADCK5	1.09	0.68	22.82	17.57	19.19	21.52	19.95
ADCY2	1.20	0.37	213.98	165.26	213.05	115.17	229.18
ADCY3	1.13	0.45	23.05	26.90	19.45	40.99	27.27
ADCY4	-1.32	0.39	3.55	2.06	3.79	3.06	2.27
ADCY5	-3.31	0.04	0.80	0.27	1.31	2.15	0.25
ADCY6	-1.46	0.00	60.20	59.57	59.66	58.43	34.72
ADCY7	-1.07	0.98	1.26	1.51	1.83	5.44	2.27
ADCY8	7.14	0.00	0.11	0.55	0.00	0.11	1.52
ADCY9	1.16	0.37	21.79	22.92	21.15	27.07	21.47
ADD1	-1.34	0.04	80.73	88.39	90.21	75.19	50.89
ADD3	1.82	0.00	10.32	10.98	11.62	14.04	16.92
ADGB	2.58	0.03	1.15	0.82	1.17	0.91	4.55

ADGRA3	1.32	0.07	77.52	63.96	80.68	80.06	116.67
ADGRB1	-3.99	0.01	1.03	1.10	4.96	1.36	0.88
ADGRB2	-3.88	0.00	22.93	10.71	13.45	18.46	3.41
ADGRE5	1.29	0.31	9.06	7.82	8.22	7.47	9.34
ADGRF5	2.24	0.22	1.03	1.10	2.48	2.26	2.65
ADGRG1	6.39	0.00	0.57	0.69	0.52	1.13	5.93
ADGRG2	-2.57	0.01	56.99	32.39	57.96	12.23	13.38
ADGRG6	-1.56	0.03	231.76	155.79	139.42	258.19	85.99
ADGRL1	-1.26	0.13	94.95	84.41	83.81	96.60	78.79
ADGRL2	1.36	0.19	15.48	16.88	25.06	16.65	33.46
ADGRL3	-2.22	0.19	2.29	0.27	1.04	2.04	0.63
ADGRL4	-1.49	0.25	3.33	3.16	7.18	2.83	1.14
ADGRV1	-1.98	0.00	24.43	20.59	31.85	20.04	10.10
ADH5	-1.02	0.95	95.75	74.94	80.55	61.72	75.13
ADHFE1	-1.48	0.08	14.22	7.82	10.70	8.27	6.06
ADI1	1.24	0.30	18.69	24.16	15.93	19.70	26.90
ADIPOQ	3.94	0.00	2.29	2.06	1.17	1.47	9.34
ADIPOR1	-1.24	0.12	64.10	77.69	64.75	67.49	54.55
ADIPOR2	1.09	0.71	12.27	12.22	8.35	11.21	14.52
ADIRF	1.55	0.17	9.75	14.00	7.18	9.63	21.72
ADK	1.08	0.73	10.78	14.69	13.19	13.59	13.38
ADM	1.27	0.24	52.18	141.10	119.45	117.77	100.26
ADNP	-1.10	0.60	134.05	117.08	143.47	144.50	107.33
ADNP2	-1.05	0.79	36.35	29.51	29.11	34.43	29.80
ADO	-1.47	0.01	35.55	34.73	45.56	34.99	20.71
ADORA1	1.52	0.36	0.92	2.33	0.78	1.02	1.52
ADORA2B	4.21	0.00	0.46	0.14	1.04	0.00	3.54
ADPGK	-1.54	0.00	92.66	95.81	121.15	90.71	54.04
ADPRH	2.00	0.00	14.79	10.43	11.75	13.02	29.93
ADPRHL2	-1.10	0.62	12.96	13.04	12.14	14.16	11.49
ADPRM	-1.34	0.18	6.08	5.63	5.09	6.00	4.67
ADRB2	1.66	0.21	19.38	13.45	21.41	12.80	46.97
ADRBK1	-1.00	0.99	20.87	28.55	27.55	20.72	27.40
ADRBK2	-2.18	0.00	17.43	10.57	19.71	12.34	8.84
ADRM1	1.10	0.65	20.99	23.47	16.06	18.23	26.90
ADSL	-1.01	0.94	28.10	33.63	32.90	26.16	27.40
ADSS	1.47	0.01	19.15	22.37	26.24	20.50	32.96
ADSSL1	1.32	0.18	14.91	15.65	10.44	16.76	22.35
AEBP1	-2.38	0.00	740.11	1065.25	746.46	1145.34	449.01
AEBP2	1.05	0.77	46.79	49.00	38.38	50.85	50.63
AEN	4.71	0.00	1.83	3.98	3.79	4.30	15.03
AES	2.02	0.00	24.77	31.02	36.16	31.26	67.81
AFAP1_1	1.44	0.11	3.78	6.31	4.70	5.21	7.83
AFAP1_2	1.31	0.11	27.87	41.18	37.34	34.88	50.25
AFAP1L2	-4.79	0.00	14.22	6.45	12.14	5.78	1.89
AFF1	2.09	0.00	30.04	26.49	24.93	51.41	63.77
AFF2	-5.12	0.00	4.59	2.47	6.53	1.25	0.88

AFF3	-3.25	0.00	63.07	33.22	89.69	28.08	19.57
AFF4	-1.04	0.83	59.17	47.22	58.75	65.57	57.96
AFG3L2	1.01	0.95	36.12	38.71	36.42	39.30	37.12
AFMID	-1.57	0.24	1.26	1.10	1.83	1.59	1.26
AFTPH	1.28	0.19	9.52	7.96	7.18	11.89	11.36
AGA	-1.05	0.77	33.71	38.02	37.86	32.27	31.31
AGAP1	-1.04	0.91	3.67	4.12	4.70	4.19	3.91
AGAP3	1.15	0.39	48.16	70.96	57.18	60.25	65.53
AGBL3	1.63	0.10	2.18	1.24	1.31	2.94	2.78
AGBL5	1.64	0.04	4.01	3.02	4.18	3.62	6.82
AGER	-1.18	0.78	4.82	2.06	4.31	1.81	3.79
AGFG1	1.36	0.02	25.34	21.41	24.93	24.91	33.21
AGFG2	-1.22	0.29	31.99	22.92	22.06	21.63	18.94
AGGF1	1.11	0.51	40.14	35.27	36.55	39.52	38.13
AGK	-1.43	0.03	22.36	17.16	14.75	18.12	13.89
AGL	1.16	0.44	16.40	9.88	13.84	14.04	15.40
AGO1	-1.18	0.29	98.85	87.02	91.51	96.37	71.97
AGO2	-1.06	0.73	30.16	28.14	25.85	32.73	30.18
AGO3	-1.05	0.81	10.55	8.51	11.10	12.91	12.88
AGO4	-1.05	0.79	13.99	11.80	12.66	11.32	14.27
AGPAT1	1.07	0.74	30.39	35.14	28.72	28.99	26.01
AGPAT2	1.62	0.04	10.89	16.47	5.35	16.65	23.36
AGPAT3	1.70	0.11	8.83	6.59	9.01	6.34	21.72
AGPAT4	1.20	0.34	14.10	12.63	10.97	12.80	14.52
AGPAT5	-1.02	0.88	33.26	33.35	37.86	32.61	30.68
AGPS_1	1.02	0.91	27.06	25.94	29.37	25.03	27.40
AGRN	1.20	0.38	58.37	32.53	68.41	41.56	56.32
AGT	1.39	0.40	10.55	2.06	1.31	3.85	4.04
AGTPBP1	-1.51	0.17	2.18	3.29	4.57	3.74	2.27
AGTRAP	3.64	0.00	5.62	6.73	4.70	5.10	23.86
AHCTF1	1.05	0.77	69.61	54.08	62.27	86.52	69.57
AHCY	2.84	0.00	14.79	17.16	17.62	19.02	45.84
AHCYL1	-1.33	0.05	121.90	112.28	138.64	126.49	89.15
AHCYL2	1.09	0.66	12.27	9.06	12.66	15.74	13.64
AHDC1	1.70	0.00	58.60	54.90	45.95	63.30	89.27
AHI1	-1.14	0.44	20.99	21.27	19.71	25.48	19.45
AHNAK	1.63	0.00	995.95	759.99	984.97	1039.68	1807.40
AHNAK2	2.14	0.00	39.68	24.98	26.37	50.62	79.68
AHR	6.19	0.00	0.69	0.41	0.26	1.13	2.02
AHSA1	-1.04	0.85	65.02	94.84	87.07	73.95	80.31
AHSA2	-1.27	0.40	2.75	3.71	3.79	3.17	2.65
AHSG	2.37	0.05	6.77	6.73	6.14	2.26	10.23
AHSP	-3.46	0.02	1.72	0.27	1.44	1.02	0.51
AIDA	1.24	0.52	2.06	2.75	3.92	4.64	3.54
AIF1L	-1.87	0.00	583.92	553.69	521.53	493.29	255.82
AIFM1	1.01	0.93	24.54	17.02	16.19	15.29	19.95
AIFM2	1.52	0.01	14.79	10.57	11.36	13.59	20.08

AIG1_2	2.74	0.02	0.92	1.37	0.26	1.02	4.42
AIM1	-1.35	0.68	8.14	5.08	3.66	16.42	7.20
AIM1L	-2.28	0.00	12.50	8.65	9.27	9.29	3.54
AIMP1	1.17	0.33	20.53	29.92	26.37	22.99	25.88
AIMP2	-1.36	0.11	11.24	15.51	12.66	9.51	7.95
AIP	1.11	0.53	18.69	26.35	18.80	22.65	22.73
AJUBA	-1.60	0.30	5.50	2.47	8.49	2.94	2.27
AK1	-1.23	0.19	40.82	47.08	38.51	33.86	30.81
AK2	-1.02	0.95	40.59	62.04	46.87	40.20	39.40
AK3	-1.00	0.99	12.16	9.61	14.88	9.40	13.89
AK4	-1.07	0.85	47.25	88.94	97.13	81.08	53.03
AK5	-5.22	0.00	9.52	1.65	9.66	3.85	0.38
AK6	-1.16	0.48	7.34	8.37	8.62	8.04	6.44
AK8	1.36	0.28	2.52	4.25	4.70	5.32	7.83
AK9	1.35	0.26	2.29	3.71	5.35	5.21	5.56
AKAP1	1.73	0.00	30.96	24.02	29.50	28.54	47.35
AKAP10	-1.25	0.12	46.33	37.47	36.94	36.58	34.09
AKAP11	-1.61	0.00	259.62	309.10	288.64	258.08	157.71
AKAP12	-1.57	0.38	6.77	2.61	6.92	2.04	2.40
AKAP13	1.49	0.00	128.21	116.39	132.90	138.27	195.72
AKAP14	1.02	0.94	11.35	12.90	12.14	13.36	13.64
AKAP2	1.46	0.02	64.33	65.20	52.87	37.03	93.19
AKAP5	1.16	0.66	2.87	3.02	2.22	2.60	3.03
AKAP7	-2.87	0.01	3.33	0.96	1.57	1.81	0.63
AKAP8	1.05	0.76	32.91	28.82	25.46	25.71	27.91
AKAP8L	1.13	0.42	47.25	40.49	38.12	46.54	50.00
AKAP9	-1.72	0.00	318.34	284.81	320.49	325.69	167.30
AKIP1	-1.11	0.61	17.55	25.94	20.37	18.46	20.46
AKIRIN1	1.06	0.72	45.18	45.71	35.12	36.69	44.95
AKIRIN2	-1.76	0.00	48.05	64.51	64.49	35.45	33.46
AKNAD1	-1.23	0.57	2.87	1.65	2.22	2.83	2.02
AKR1A1	-1.04	0.89	24.43	34.45	42.69	25.03	20.33
AKR1B1	-2.40	0.01	1.49	1.78	3.26	1.93	1.14
AKR1E2	-1.44	0.44	2.18	1.65	0.65	1.81	0.76
AKR7A2	1.96	0.00	7.34	10.02	6.14	6.79	17.17
AKT1	-1.13	0.48	112.15	137.26	112.92	99.65	100.76
AKT1S1	1.10	0.61	13.42	17.84	14.75	13.93	18.44
AKT2	1.37	0.01	40.82	46.80	39.82	47.68	58.71
AKT3	1.06	0.73	37.61	36.78	38.25	42.58	40.03
AKTIP	1.18	0.34	16.51	12.76	17.10	15.97	20.58
ALAD	-1.39	0.09	14.22	9.47	9.66	11.66	6.94
ALAS1	1.46	0.01	16.28	17.98	16.71	15.51	29.80
ALCAM	-1.37	0.33	20.41	13.73	36.81	14.95	20.20
ALDH16A1	-1.11	0.55	36.47	38.43	28.98	31.82	28.79
ALDH18A1	-1.86	0.00	152.75	210.14	205.87	141.55	70.84
ALDH1A3	-1.52	0.25	1.26	1.92	2.09	1.59	0.38
ALDH1B1	-1.15	0.74	1.15	1.51	2.35	1.02	0.51

ALDH1L2	3.92	0.00	9.63	5.08	12.27	7.25	49.88
ALDH2	-1.09	0.62	43.12	44.20	34.73	39.07	34.60
ALDH3A2	1.04	0.98	334.51	461.32	573.88	649.68	633.99
ALDH3B1	1.08	0.78	15.83	13.31	12.27	7.25	18.31
ALDH4A1	1.74	0.01	4.01	3.29	4.18	3.40	8.08
ALDH5A1	1.30	0.37	2.41	4.39	4.83	5.32	6.94
ALDH6A1	1.04	0.85	13.07	9.88	13.97	13.82	12.50
ALDH7A1	-1.23	0.21	105.73	82.63	110.05	82.21	67.05
ALDH9A1	1.45	0.00	37.73	35.69	33.29	38.16	49.75
ALDOA	1.12	0.50	225.91	433.32	318.92	251.74	357.09
ALDOB	1.27	0.57	1.26	0.82	1.31	1.25	1.52
ALDOC	-1.53	0.02	98.85	151.39	142.03	82.78	70.33
ALG1	1.00	0.99	9.86	7.82	9.79	9.85	9.34
ALG10	-1.90	0.00	60.66	51.06	58.22	51.41	19.82
ALG11	-1.41	0.02	37.04	44.06	40.47	34.99	22.22
ALG12	-1.10	0.57	26.49	29.24	25.20	26.05	21.47
ALG13	-1.34	0.17	58.94	32.94	44.91	67.72	45.84
ALG14	-1.22	0.32	9.86	11.39	8.49	8.95	8.21
ALG2	-1.05	0.81	14.22	15.24	13.32	13.48	15.66
ALG3	1.11	0.64	10.21	11.53	7.57	9.51	12.37
ALG5	-1.10	0.58	20.18	19.08	17.10	19.14	19.95
ALG6	-1.17	0.53	10.78	9.20	9.53	6.45	7.83
ALG8	-1.98	0.00	14.56	15.10	14.75	10.19	6.94
ALG9	-1.21	0.22	20.18	18.53	21.41	20.50	17.30
ALKBH1	-1.21	0.33	10.66	12.76	15.40	11.32	9.98
ALKBH2	1.10	0.59	13.42	16.33	12.66	14.38	15.15
ALKBH3	1.17	0.39	14.68	12.08	10.97	9.06	16.04
ALKBH4	1.17	0.61	17.43	19.49	14.88	21.97	31.19
ALKBH5	1.11	0.51	75.46	105.41	103.52	90.14	93.44
ALKBH6	-1.16	0.56	4.70	5.90	5.61	4.42	4.42
ALKBH7	-1.23	0.41	6.08	7.41	6.01	4.64	4.92
ALKBH8	1.35	0.17	5.73	4.53	5.35	5.89	9.22
ALMS1	-1.04	0.86	60.66	54.90	61.88	72.36	59.98
ALPK1	3.92	0.00	0.46	0.27	0.65	0.68	2.15
ALPK3	1.31	0.27	28.44	11.12	16.32	37.48	23.61
ALS2	1.27	0.23	75.23	58.88	61.49	80.74	83.59
ALS2CL	6.16	0.00	2.29	1.92	3.39	4.64	18.69
ALYREF	-1.70	0.00	43.46	56.82	44.52	40.31	27.53
AMACR	1.32	0.35	2.98	2.33	3.00	3.62	2.90
AMBRA1	1.29	0.07	26.95	32.94	31.98	36.69	43.69
AMD1	1.43	0.01	74.19	67.12	80.16	61.49	114.52
AMDHD1	1.72	0.03	4.70	2.61	3.00	4.08	8.46
AMDHD2	1.27	0.25	5.96	7.96	6.92	7.13	10.99
AMER1	1.04	0.80	38.99	35.55	35.12	43.03	43.31
AMFR	1.05	0.83	150.22	170.75	149.21	141.10	154.17
AMHR2	1.08	0.95	3.21	1.37	2.22	3.74	4.92
AMIGO1	2.06	0.00	12.84	18.12	17.10	21.97	46.85

AMIGO2	-2.98	0.02	1.72	1.78	6.14	1.93	0.25
AMMECR1	-1.35	0.09	9.98	12.35	12.53	11.78	10.23
AMMECR1L	-1.13	0.54	14.45	10.71	10.70	11.78	11.74
AMN1	-1.05	0.79	7.34	7.82	7.83	7.36	7.45
AMOT	-1.05	0.82	12.38	11.39	13.71	10.42	13.26
AMOTL1	-1.78	0.00	434.04	391.46	574.14	445.50	172.48
AMOTL2	1.12	0.50	210.77	213.71	187.99	254.80	222.61
AMPD2	-1.33	0.06	190.82	207.39	177.93	245.96	132.08
AMPD3	8.64	0.00	1.61	0.96	1.17	2.49	19.95
AMT	-1.28	0.14	64.22	45.71	65.80	63.08	39.40
AMY2B	-1.20	0.36	35.78	23.75	35.12	41.45	23.99
AMZ1	1.05	0.90	2.29	2.06	2.74	1.93	2.40
AMZ2	-1.05	0.80	40.25	49.41	43.60	36.80	46.59
ANAPC1	1.09	0.61	43.35	38.29	41.12	45.41	52.15
ANAPC10	-1.31	0.30	4.47	4.39	6.14	3.85	4.29
ANAPC11	-1.20	0.38	9.52	11.94	8.75	9.06	8.59
ANAPC13	-1.39	0.05	13.99	17.98	20.37	14.95	11.62
ANAPC15	-1.49	0.03	10.55	9.47	11.36	7.93	6.57
ANAPC16	1.05	0.78	45.98	62.59	44.65	48.13	59.85
ANAPC2_1	1.02	0.93	34.86	27.31	29.11	36.01	31.31
ANAPC2_2	-1.19	0.36	18.00	12.76	19.06	19.70	13.01
ANAPC4	-1.08	0.69	35.55	32.80	45.82	31.59	38.01
ANAPC5	-1.08	0.68	27.87	24.29	30.03	32.05	20.96
ANAPC7	-1.25	0.13	25.69	32.53	25.98	26.05	24.12
ANG	5.34	0.00	0.34	0.55	0.52	0.34	3.03
ANGEL1	-1.20	0.27	18.69	20.45	16.45	20.16	14.77
ANGEL2	1.00	0.98	42.09	37.75	47.26	44.05	40.15
ANGPT2	1.27	0.69	0.46	1.10	1.31	0.23	0.38
ANGPTL1	-2.82	0.00	3.67	7.27	5.74	7.59	0.63
ANGPTL2	-1.68	0.10	5.73	15.37	6.79	13.02	2.90
ANGPTL4	1.46	0.19	1.83	3.29	1.70	3.85	2.90
ANGPTL5	-5.36	0.00	46.33	59.84	36.29	20.50	3.66
ANGPTL6	1.05	0.90	6.54	2.88	1.83	5.44	2.15
ANGPTL7	-1.79	0.47	24.77	7.14	17.10	2.83	7.83
ANK1	-3.29	0.03	1.95	1.51	7.96	1.59	1.52
ANK3	4.48	0.00	4.36	9.75	2.87	13.14	31.31
ANKFY1	1.15	0.38	46.56	45.71	50.00	54.70	52.53
ANKH	4.57	0.00	66.51	76.73	44.39	146.88	378.80
ANKHD1	1.22	0.18	90.59	80.16	90.47	109.28	114.65
ANKIB1	-1.06	0.75	41.17	42.14	50.26	39.18	45.08
ANKLE1	-1.38	0.51	1.38	0.55	1.83	1.36	0.51
ANKLE2	-1.22	0.19	86.01	67.26	72.45	82.10	64.14
ANKMY2	1.34	0.06	24.20	31.43	29.63	36.01	31.06
ANKRA2	1.02	0.92	11.24	12.49	12.66	10.76	10.61
ANKRD10	1.10	0.54	25.57	14.69	16.45	34.99	25.76
ANKRD11	1.09	0.61	132.45	111.18	112.40	129.55	139.53
ANKRD12	2.45	0.00	85.78	67.94	79.11	100.90	263.77

ANKRD13A	1.26	0.09	41.17	36.51	35.64	37.03	54.80
ANKRD13B	1.08	0.84	1.03	2.20	1.17	1.81	1.64
ANKRD13C	1.08	0.77	5.73	6.45	6.01	6.91	6.69
ANKRD13D	-1.26	0.23	10.78	9.33	10.44	11.66	6.69
ANKRD16	-1.62	0.02	7.11	7.27	8.88	7.59	2.90
ANKRD17	1.06	0.73	101.37	85.92	105.74	111.66	103.16
ANKRD2	2.53	0.00	2.06	2.88	3.00	4.19	10.35
ANKRD23	-1.32	0.22	6.19	5.08	6.27	7.47	4.29
ANKRD26	-1.09	0.81	27.41	16.75	14.23	31.71	21.09
ANKRD27	1.14	0.42	59.97	61.49	64.36	58.66	56.32
ANKRD28	-1.10	0.52	50.57	44.75	44.12	51.41	42.17
ANKRD31	-1.46	0.40	13.99	2.47	8.49	7.81	9.34
ANKRD34A	-1.32	0.47	1.38	1.65	2.35	3.06	1.77
ANKRD35	-1.04	0.98	2.29	1.10	2.35	0.91	2.15
ANKRD37	1.35	0.29	1.38	4.12	3.26	4.76	3.28
ANKRD39	-1.67	0.01	10.66	10.71	13.71	8.15	7.70
ANKRD40	1.18	0.39	18.69	18.26	22.45	17.21	24.75
ANKRD42	1.13	0.53	20.30	14.41	17.62	21.06	25.38
ANKRD44	-1.43	0.02	95.52	89.35	85.90	97.50	52.53
ANKRD45	-1.25	0.94	3.55	0.82	0.39	2.60	0.51
ANKRD46	-1.09	0.64	52.75	48.59	62.27	46.09	42.43
ANKRD49	1.11	0.62	6.77	7.69	8.22	8.61	8.59
ANKRD50	2.10	0.00	12.50	10.29	9.92	13.48	37.25
ANKRD52	-1.31	0.06	33.71	29.92	27.55	29.67	23.61
ANKRD54	-1.41	0.08	22.13	31.02	17.36	26.95	11.62
ANKRD6	-1.88	0.00	15.94	20.73	17.36	9.63	8.84
ANKRD65	1.04	0.94	1.15	1.24	1.17	1.25	1.39
ANKRD9	1.40	0.34	1.61	5.22	2.61	3.62	4.92
ANKS1A	1.21	0.26	98.96	102.39	90.08	98.97	127.78
ANKS3	1.72	0.00	4.82	4.25	3.79	5.78	7.95
ANKS6	1.30	0.07	28.55	25.67	29.90	33.97	32.32
ANKZF1	1.33	0.07	10.09	11.67	9.14	10.76	13.89
ANLN	-2.67	0.00	109.97	107.20	100.26	84.82	25.63
ANO1	2.29	0.05	1.61	0.82	3.13	0.57	6.06
ANO10	1.06	0.83	13.76	16.47	10.84	14.50	17.17
ANO6	1.81	0.00	28.55	23.33	25.85	34.54	52.02
ANO8	-1.14	0.47	15.71	14.82	13.32	16.76	11.62
ANO9	4.59	0.00	1.72	0.69	1.04	0.57	7.07
ANOS1	-1.32	0.33	10.32	7.82	14.10	19.02	8.21
ANP32A	1.09	0.67	82.80	113.37	116.19	99.09	125.13
ANP32B	1.17	0.31	63.07	81.26	87.20	73.72	79.42
ANP32E	-1.20	0.20	32.34	36.65	39.16	37.03	27.27
ANPEP	9.00	0.00	1.03	2.20	4.05	2.38	4.67
ANTXR1	3.54	0.00	31.99	27.59	19.97	41.11	88.77
ANTXR2	-1.43	0.04	36.58	46.12	29.11	51.41	23.23
ANXA1	-1.53	0.01	82.91	71.24	78.59	50.85	48.74
ANXA11	1.66	0.00	183.48	179.94	172.45	185.95	323.88

ANXA2	1.68	0.00	384.05	512.24	439.68	354.11	804.96
ANXA4	2.08	0.00	122.13	135.06	107.18	150.50	267.31
ANXA5	-1.73	0.00	335.65	457.34	415.27	299.98	175.01
ANXA6	-1.22	0.21	91.17	108.71	105.48	80.97	86.75
ANXA7	1.71	0.00	23.28	20.59	23.37	27.74	49.24
ANXA8L1	-1.45	0.32	2497.50	5239.08	1569.42	1879.72	1463.57
ANXA9	-1.40	0.03	23.62	17.16	18.15	19.59	13.64
AOC2	1.11	0.75	4.13	2.33	6.14	3.96	3.16
AOC3	-2.02	0.04	6.88	6.59	14.36	5.32	1.26
AOX1	1.59	0.03	27.87	10.57	25.06	15.51	37.12
AP1AR	1.25	0.18	26.95	24.84	25.85	34.20	34.34
AP1B1	-2.20	0.00	115.36	124.63	124.41	152.31	48.74
AP1G1	-1.17	0.32	92.31	81.80	99.48	83.12	79.55
AP1G2	1.14	0.52	9.98	7.41	8.62	7.81	8.33
AP1M1	-1.23	0.16	52.86	58.61	44.26	48.24	38.39
AP1S1	-1.20	0.26	51.72	39.39	43.73	38.50	36.49
AP1S2	-1.77	0.20	0.92	2.61	2.61	1.13	1.01
AP2A1	1.19	0.27	49.20	53.94	43.08	41.79	66.42
AP2A2	1.02	0.94	59.06	59.16	62.53	61.49	58.71
AP2B1	1.41	0.01	36.01	49.55	42.69	43.26	58.71
AP2M1	1.10	0.54	71.10	67.94	64.36	71.23	74.75
AP2S1	1.31	0.11	12.38	21.55	11.62	15.63	18.44
AP3B1	-1.18	0.25	63.30	66.43	75.59	63.98	51.26
AP3D1	-1.03	0.88	162.72	172.53	156.00	151.29	139.02
AP3M1	-1.33	0.05	92.20	109.26	112.27	106.56	69.83
AP3M2	-1.03	0.94	1.95	1.65	1.17	1.81	1.39
AP3S2	1.29	0.08	16.28	18.80	16.71	18.23	24.50
AP4B1	-1.44	0.03	13.65	12.35	13.05	12.46	6.82
AP4E1	1.36	0.06	11.81	9.75	9.92	8.95	14.14
AP4M1	1.19	0.32	13.07	16.75	9.92	17.21	18.31
AP4S1	1.40	0.09	7.34	7.00	8.09	9.17	13.26
AP5B1	1.69	0.00	5.73	10.43	10.44	10.08	12.37
AP5M1	-1.25	0.22	15.48	12.35	14.23	12.68	10.10
AP5S1	1.07	0.81	3.21	7.27	6.01	6.57	5.68
AP5Z1	1.46	0.02	14.56	15.37	12.14	18.57	19.32
APAF1	-1.30	0.09	22.02	17.57	22.45	21.29	17.05
APBA3	1.59	0.00	9.63	13.18	12.66	14.95	17.68
APBB1	1.01	0.96	36.47	38.02	40.34	35.78	35.23
APBB1IP	-2.16	0.04	6.42	5.35	12.01	2.94	3.41
APBB2	-2.78	0.00	297.58	231.00	237.72	360.79	79.17
APBB3	-1.19	0.43	25.57	16.33	15.01	18.23	15.40
APC	-1.00	0.98	96.44	90.04	100.52	99.99	104.04
APC2	-1.85	0.00	23.51	17.43	22.06	14.95	8.33
APCDD1	1.10	0.66	34.52	25.94	29.50	41.79	46.59
APEH	-1.07	0.72	24.31	20.18	20.89	19.82	17.80
APELA	2.10	0.00	4.93	5.76	8.75	5.10	14.90
APEX1	1.11	0.55	23.28	26.35	24.93	22.65	23.11

APEX2	-1.54	0.01	18.58	17.71	16.84	13.48	10.73
APH1A	1.10	0.54	62.50	62.18	53.00	52.77	60.36
APH1B	-1.50	0.27	1.49	1.51	2.48	1.36	1.39
API5	-1.12	0.53	34.52	29.24	28.46	23.89	26.39
APIP	1.58	0.01	8.49	11.80	11.88	9.97	13.38
APITD1	-1.76	0.00	16.97	21.82	17.36	18.23	10.99
APLF	1.26	0.29	4.59	5.76	7.05	4.87	8.08
APLN	-1.03	0.93	0.00	1.10	1.57	0.68	0.13
APLNR	1.38	0.46	1.03	0.82	1.17	1.47	1.14
APLP1	-2.65	0.00	64.56	69.59	100.91	45.64	28.03
APLP2	1.17	0.33	70.18	90.86	86.68	96.26	96.85
APMAP	-1.40	0.03	34.52	40.35	29.50	36.92	20.96
APOA1	-6.66	0.00	86.24	30.47	55.61	8.83	10.61
APOA1BP	2.10	0.00	11.47	13.59	15.01	17.44	34.98
APOBR	3.54	0.00	0.46	0.55	0.13	0.68	1.64
APOD	7.79	0.00	30.96	58.75	56.27	14.95	388.27
APOE	1.26	0.47	56.53	57.79	84.20	47.34	101.01
APOL3_2	-3.78	0.00	4.01	6.04	3.00	2.26	0.63
APOLD1	-1.84	0.02	6.65	5.76	9.01	4.87	2.53
APOM	1.07	0.86	2.06	1.65	3.00	1.81	1.77
APOO	-1.63	0.03	6.77	6.31	9.01	5.55	4.04
APOOL	-1.21	0.37	11.01	7.27	11.23	9.29	7.95
APOPT1	-1.02	0.92	8.83	21.27	9.27	11.78	11.11
APP	-1.34	0.07	828.75	901.64	760.30	931.20	490.68
APPBP2	-1.29	0.09	199.42	194.22	214.75	216.52	124.37
APPL1	-1.15	0.37	27.87	26.49	27.02	33.18	23.49
APPL2	-1.01	0.98	36.35	26.90	26.89	43.26	27.40
APRT	1.86	0.00	13.76	17.84	12.14	16.99	33.71
APTX	1.16	0.53	4.24	5.35	4.70	5.44	5.30
AQP1	-2.86	0.00	27.18	59.98	43.86	33.29	6.06
AQP7	-33.37	0.00	6.08	3.71	6.92	3.40	0.13
AQR	1.07	0.69	45.87	36.78	39.29	44.28	46.85
AR	-7.25	0.00	3.10	1.10	4.44	1.25	0.13
ARAF	1.19	0.23	29.47	30.06	25.59	28.31	33.97
ARAP1	1.23	0.18	83.37	85.65	72.84	97.73	89.78
ARAP2	3.98	0.00	1.15	1.10	1.70	1.36	4.80
ARC	1.73	0.05	1.61	1.78	1.70	3.28	3.54
ARCN1	-1.26	0.11	227.51	237.73	251.69	211.31	167.68
AREL1	1.35	0.02	19.27	22.24	19.19	21.18	27.91
ARF1	-1.28	0.11	37.96	48.18	34.33	41.45	30.18
ARF2	-1.09	0.70	7.57	7.55	6.40	7.25	8.59
ARF3	1.99	0.00	21.67	25.53	25.20	21.86	51.39
ARF4	-1.56	0.00	114.90	126.69	133.42	102.26	72.35
ARF5	1.14	0.65	7.91	10.57	5.61	6.23	7.70
ARF6	1.21	0.22	48.51	45.71	44.12	43.83	47.60
ARFGAP1	-1.64	0.00	36.12	38.43	38.12	29.67	20.20
ARFGAP2	1.04	0.83	23.97	24.84	24.41	24.57	26.26

ARFGAP3	1.37	0.04	212.95	191.75	238.12	183.79	308.72
ARFGEF1	-1.18	0.38	207.68	137.67	156.39	149.03	151.40
ARFGEF2	-1.71	0.00	205.96	198.61	243.21	228.86	90.91
ARFGEF3	2.19	0.43	0.46	0.41	5.61	1.81	11.36
ARFIP1	1.28	0.10	36.81	32.39	43.34	31.71	48.74
ARFIP2	-1.80	0.00	55.04	46.94	59.79	49.71	28.03
ARFRP1	1.22	0.45	3.21	5.49	3.00	4.30	3.66
ARG2	-1.68	0.00	23.74	29.10	23.37	37.03	20.08
ARGLU1	-1.16	0.40	104.35	79.20	78.85	90.93	68.06
ARHGAP1	1.45	0.01	43.23	36.92	25.72	35.11	61.37
ARHGAP10	2.91	0.00	15.71	19.90	31.72	13.48	75.13
ARHGAP11A	-2.66	0.00	300.45	421.93	251.56	228.75	133.59
ARHGAP12	1.41	0.05	8.14	6.45	7.70	8.38	12.50
ARHGAP17	1.28	0.13	35.55	25.67	29.90	36.58	47.60
ARHGAP18	1.41	0.36	3.44	0.82	3.52	2.83	3.28
ARHGAP19	-2.01	0.00	24.77	22.24	23.50	24.12	10.23
ARHGAP20	1.01	0.99	1.49	0.41	1.83	0.45	1.26
ARHGAP21	-1.21	0.24	84.06	60.26	81.20	79.84	72.60
ARHGAP22	1.15	0.69	4.82	2.75	2.48	2.26	4.42
ARHGAP23	-1.06	0.75	39.79	32.26	38.51	39.07	39.02
ARHGAP26_1	1.29	0.54	1.38	1.78	0.39	1.47	2.53
ARHGAP26_2	1.10	0.84	4.93	6.18	3.92	6.23	8.59
ARHGAP27	2.29	0.15	0.34	0.55	1.83	0.45	1.01
ARHGAP28	-1.29	0.29	10.89	13.45	17.88	9.29	6.82
ARHGAP29	1.13	0.46	20.18	19.08	26.63	20.72	24.87
ARHGAP31	-1.06	0.76	77.86	73.71	81.33	61.83	71.59
ARHGAP32	1.49	0.01	20.99	14.55	18.15	13.59	23.49
ARHGAP33	-2.81	0.00	32.68	21.41	19.97	25.37	6.19
ARHGAP35	1.77	0.00	113.76	112.41	106.66	105.43	225.89
ARHGAP39	-1.69	0.00	26.60	20.86	24.15	16.65	10.48
ARHGAP42	6.66	0.00	1.95	2.47	3.26	2.72	20.20
ARHGAP5	-1.14	0.42	188.87	146.18	160.31	173.49	147.73
ARHGAP9	-1.24	0.50	2.18	2.33	2.09	2.15	1.14
ARHGDIA	-1.02	0.93	121.44	160.59	139.42	119.81	134.60
ARHGDIB	-1.17	0.63	3.10	3.98	2.09	3.62	1.77
ARHGEF1	1.47	0.01	172.81	145.22	138.51	205.20	231.32
ARHGEF10	-6.38	0.00	69.61	48.31	67.75	56.40	5.81
ARHGEF10L	-1.08	0.60	57.91	60.12	54.96	61.26	57.20
ARHGEF12	2.04	0.00	65.94	59.43	62.66	69.19	150.89
ARHGEF15	1.45	0.26	2.98	3.16	3.13	5.10	4.29
ARHGEF16	-1.45	0.47	6.65	1.24	3.39	4.42	5.05
ARHGEF17_1	-1.38	0.18	27.98	17.57	30.29	14.38	15.66
ARHGEF17_2	-1.33	0.11	45.76	34.45	43.21	28.54	35.36
ARHGEF18	1.24	0.14	16.86	18.53	17.75	16.19	20.96
ARHGEF19	-1.43	0.04	97.24	76.45	70.23	91.84	52.78
ARHGEF2	1.20	0.32	142.77	126.83	103.52	78.70	144.20
ARHGEF25	-1.56	0.01	49.77	38.29	66.58	43.15	35.36

ARHGEF28	-2.10	0.04	2.06	3.57	5.35	2.49	1.26
ARHGEF3	1.11	0.55	16.86	12.22	12.92	18.35	18.56
ARHGEF37	-2.68	0.00	22.02	17.02	22.19	8.61	3.54
ARHGEF39	-1.54	0.04	38.76	46.39	28.20	48.69	30.94
ARHGEF4_2	-2.58	0.00	3.33	2.06	1.96	2.49	1.14
ARHGEF40	1.08	0.67	117.20	101.84	76.76	119.02	119.07
ARHGEF5	2.41	0.00	19.04	20.31	20.50	19.48	52.27
ARHGEF6	-1.25	0.18	134.40	167.45	166.05	187.98	129.80
ARHGEF7	1.02	0.89	44.26	39.26	35.90	43.26	39.65
ARHGEF9	-1.86	0.00	22.82	18.12	19.19	18.12	9.22
ARID1A	1.10	0.55	124.31	118.45	117.75	125.13	132.71
ARID1B	1.56	0.00	59.86	52.02	59.66	66.81	105.18
ARID2	1.05	0.77	32.68	32.26	31.46	43.49	37.25
ARID3A	4.29	0.00	1.26	2.75	1.57	1.81	7.95
ARID4A	1.13	0.48	31.54	30.47	32.64	34.99	34.98
ARID4B	-1.29	0.09	149.42	141.10	115.01	136.46	114.40
ARID5A	2.52	0.00	4.13	9.47	3.66	7.25	16.54
ARID5B	1.85	0.00	10.21	12.22	14.36	11.78	23.61
ARIH1	-1.03	0.92	38.87	46.80	33.68	38.39	36.49
ARIH2	1.17	0.57	63.76	49.41	71.28	55.60	66.80
ARIH2OS	-1.23	0.60	1.72	1.65	1.70	1.13	1.14
ARL1	-1.29	0.07	63.07	71.79	65.01	56.40	51.77
ARL10	-1.53	0.16	3.67	5.08	8.09	4.53	2.53
ARL13A	1.03	0.85	1.72	0.41	0.52	2.49	2.40
ARL13B	-1.16	0.30	31.31	32.67	36.03	33.18	29.93
ARL14EP	1.24	0.20	9.75	14.82	10.84	12.57	16.41
ARL15	-1.04	0.84	5.28	5.08	5.22	5.89	3.54
ARL16	-1.09	0.66	21.79	19.35	26.50	21.74	16.67
ARL2	-1.24	0.24	30.62	48.18	32.64	35.11	29.55
ARL2BP	1.19	0.24	19.95	22.51	20.10	24.01	25.51
ARL3	-1.09	0.66	40.48	54.35	56.27	53.79	44.07
ARL4A	-1.71	0.11	3.33	4.94	2.61	2.60	0.51
ARL4C	-1.68	0.06	2.75	3.29	3.39	2.94	1.26
ARL5A	-1.03	0.96	9.52	5.90	12.66	8.27	10.23
ARL5B	-1.17	0.39	48.51	47.63	61.36	38.84	34.22
ARL6	-1.23	0.30	9.63	9.20	12.53	11.66	5.93
ARL6IP1	-2.42	0.00	134.17	161.28	133.81	103.28	44.32
ARL6IP4	-1.12	0.56	12.73	18.67	14.23	14.72	12.88
ARL6IP5	1.47	0.01	56.76	60.80	59.01	64.55	102.02
ARL6IP6	-1.45	0.00	46.10	57.37	54.31	55.83	34.60
ARL8A	-1.15	0.52	8.14	8.65	7.31	7.02	7.32
ARL8B	1.40	0.07	13.53	13.04	18.93	16.08	24.62
ARL9	-1.09	0.65	15.48	17.43	19.32	20.72	20.46
ARMC1	1.04	0.80	37.73	32.67	37.08	37.37	33.97
ARMC10	-1.17	0.28	37.73	40.35	33.29	38.84	31.95
ARMC12	-1.09	0.91	4.70	1.51	4.31	3.28	2.65
ARMC2	-2.12	0.04	6.08	2.20	2.87	2.60	2.27

ARMC4	-3.40	0.00	5.62	7.69	8.49	4.76	2.27
ARMC5	1.06	0.82	7.57	8.65	6.79	7.47	6.82
ARMC6	-1.51	0.01	8.94	9.61	9.27	9.97	6.31
ARMC7	1.03	0.90	8.83	9.06	8.35	7.93	7.45
ARMC8	-1.20	0.26	21.56	21.00	26.89	25.37	18.31
ARMC9	-1.65	0.01	23.16	19.63	15.93	12.68	10.48
ARMCX1	-1.39	0.06	27.64	21.82	31.33	20.95	13.38
ARMCX2	-1.32	0.15	15.94	26.77	25.72	19.82	12.00
ARMCX3	-1.20	0.25	81.53	85.65	93.21	97.96	58.46
ARMCX4	-2.23	0.00	34.40	30.47	36.16	33.75	11.62
ARMCX6	-1.27	0.27	10.55	14.14	16.71	18.46	7.20
ARMT1	-1.10	0.68	12.61	9.20	10.31	9.06	9.22
ARNT	1.20	0.20	54.36	55.31	65.01	65.23	75.38
ARNT2	-3.05	0.00	12.84	4.94	11.62	5.32	2.65
ARNTL	1.27	0.21	14.56	10.98	10.97	14.16	19.19
ARPC1A	1.00	0.98	34.06	30.06	33.16	28.54	33.08
ARPC1B	2.44	0.00	32.80	45.71	36.55	40.31	100.51
ARPC2	1.56	0.00	101.72	136.43	108.61	109.39	173.37
ARPC3	1.44	0.01	34.98	49.14	43.73	36.58	65.28
ARPC4	1.28	0.07	29.82	37.20	32.51	29.56	43.44
ARPC5	1.34	0.07	75.91	93.06	82.51	72.25	123.62
ARPC5L	-1.09	0.73	20.99	12.22	14.10	15.85	17.30
ARPIN	1.27	0.15	9.86	13.31	11.23	12.00	14.52
ARPP19	-1.05	0.79	46.56	46.67	49.61	56.28	42.68
ARRB1	2.41	0.00	19.49	15.10	16.32	17.55	52.15
ARRDC1	1.21	0.32	10.21	13.18	13.71	11.44	18.31
ARRDC2	9.69	0.00	6.54	10.43	5.09	9.85	90.53
ARRDC3	2.00	0.00	76.14	110.63	98.43	88.90	212.38
ARRDC4	1.15	0.37	40.59	52.57	48.95	68.17	57.58
ARRDC5	3.84	0.00	0.69	0.69	0.52	0.91	1.89
ARSA	1.32	0.12	17.66	24.98	12.66	20.27	26.01
ARSB_1	1.84	0.00	43.00	45.43	29.37	38.84	87.76
ARSB_2	1.76	0.10	0.92	1.78	1.17	0.79	2.15
ARSE	-1.80	0.00	12.84	16.61	15.27	14.38	6.06
ARSG	1.17	0.42	10.21	8.78	9.01	11.32	10.23
ARSH	1.20	0.48	5.39	4.80	4.96	5.44	7.20
ARSI	-6.27	0.00	23.85	57.10	39.95	29.78	3.03
ARSK	-1.52	0.25	60.55	60.12	18.02	75.08	43.94
ART4	-2.86	0.00	2.18	2.75	3.00	1.81	0.63
ARV1	-1.47	0.05	18.12	18.12	24.67	13.82	8.59
AS3MT	-1.11	0.94	7.22	6.73	10.05	2.49	6.31
ASAH1	1.42	0.01	18.81	23.20	19.45	20.27	24.50
ASAP1	1.22	0.17	37.50	31.98	32.51	34.65	45.58
ASAP2	1.08	0.65	58.60	35.82	31.46	34.43	45.96
ASAP3	1.08	0.66	38.07	28.14	29.63	26.39	29.80
ASB1	-1.14	0.65	4.93	5.49	3.66	3.62	4.17
ASB11	1.08	0.84	6.77	4.25	5.61	7.13	6.19

ASB13	-1.14	0.70	1.95	3.43	4.18	3.17	2.40
ASB14	-1.25	0.55	1.49	1.51	1.83	1.81	0.88
ASB3	1.04	0.82	21.21	16.61	21.28	20.27	21.72
ASB6	1.53	0.01	9.98	12.90	11.10	9.63	18.81
ASB7	1.19	0.43	4.36	5.63	5.61	6.68	6.94
ASB8	-1.10	0.63	25.11	17.29	22.72	22.31	15.15
ASCC1	1.67	0.00	14.56	20.59	13.05	21.52	25.51
ASCC2	-1.06	0.79	49.88	47.35	49.22	35.33	43.81
ASCC3_1	1.05	0.81	8.03	10.57	13.19	10.98	12.00
ASCC3_2	-1.06	0.78	19.84	21.96	22.45	16.19	16.54
ASCC3_3	-1.05	0.79	13.30	12.76	15.67	15.40	14.39
ASCL2	4.28	0.00	0.92	0.69	0.65	2.26	4.67
ASF1A	-1.59	0.12	3.21	3.16	2.35	2.60	1.01
ASF1B	-3.53	0.00	29.47	31.29	22.72	21.40	3.91
ASGR2	205.49	0.00	0.00	0.00	0.00	0.00	4.80
ASH1L	267.06	0.15	168.34	151.81	161.88	211.42	216.55
ASH2L	236.77	0.02	73.97	59.16	48.95	45.64	38.13
ASIC3	490.66	0.00	0.34	0.00	0.13	0.00	3.28
ASL	382.26	0.18	5.96	5.35	5.35	6.45	9.60
ASMT_1	287.71	0.33	5.16	5.35	9.14	5.21	3.91
ASMTL	129.28	0.01	39.56	48.86	33.29	38.50	29.80
ASNA1	963.14	0.94	17.55	25.39	20.23	19.48	24.50
ASNS	460.74	0.00	19.49	26.77	24.80	23.44	42.80
ASNSD1	-83.16	0.10	126.49	169.79	121.41	110.64	220.59
ASPH	291.85	0.40	75.91	73.02	68.15	79.95	57.96
ASPHD2	253.65	0.00	1.26	0.96	1.96	1.59	3.16
ASPM	452.86	0.00	134.86	149.34	148.82	119.13	36.49
ASPN	-5.56	0.00	2.64	3.29	4.57	2.15	0.38
ASPSCR1	1.12	0.48	27.06	34.04	28.46	33.41	36.49
ASRGL1	1.09	0.73	6.42	5.08	5.74	6.68	7.70
ASS1	4.16	0.00	7.34	11.94	5.48	7.02	44.45
ASTE1	1.18	0.37	11.47	11.26	9.79	9.85	12.00
ASTN2	-1.35	0.41	1.26	1.37	0.78	1.36	0.88
ASUN	-1.30	0.19	18.46	21.96	16.06	28.08	13.26
ASXL1	1.02	0.91	87.04	76.59	73.89	72.59	77.65
ASXL2	1.20	0.23	48.74	41.45	43.60	57.64	62.25
ASZ1	-1.41	0.56	3.55	13.45	2.48	6.00	4.17
ATAD1	1.35	0.02	32.80	36.78	36.94	39.18	50.13
ATAD2	-2.73	0.00	25.69	19.35	22.85	20.84	5.68
ATAD2B	1.11	0.60	28.67	20.59	28.98	31.14	36.37
ATAD3A	-1.25	0.37	5.50	4.94	6.66	4.64	6.06
ATAD5	-2.49	0.00	19.61	16.88	18.28	20.95	5.30
ATAT1	-1.42	0.07	9.52	7.00	8.88	9.29	5.81
ATE1	-1.16	0.31	70.30	69.73	73.63	62.74	56.69
ATF1	1.09	0.56	32.80	43.78	37.34	39.30	41.67
ATF2	1.35	0.06	15.14	16.20	13.45	20.27	20.96
ATF3	5.56	0.00	0.92	1.24	1.17	0.79	7.07

ATF4	1.06	0.77	281.30	297.85	327.54	320.14	372.74
ATF5	1.33	0.06	20.64	18.67	22.06	20.16	29.93
ATF6	1.33	0.06	48.51	58.20	39.95	54.81	65.79
ATF6B	1.18	0.31	13.76	15.65	14.75	14.72	16.16
ATF7	-1.08	0.70	41.40	35.55	31.98	43.60	35.36
ATF7IP	-1.21	0.18	46.33	44.20	41.38	49.71	32.07
ATG10	-2.92	0.00	24.31	11.26	17.23	7.70	5.56
ATG101	1.17	0.38	14.33	19.22	14.36	15.51	18.31
ATG12	1.59	0.00	23.51	26.63	25.06	28.42	42.17
ATG13	1.01	0.93	39.56	31.71	31.98	37.03	32.07
ATG14	1.15	0.46	14.79	10.84	14.10	15.74	15.03
ATG16L1	1.02	0.90	44.95	37.75	41.51	37.60	41.92
ATG16L2	1.82	0.01	3.44	2.88	2.48	5.55	6.94
ATG2A_1	1.55	0.01	13.19	9.75	9.79	10.98	20.58
ATG2A_2	1.46	0.06	8.60	6.18	4.44	6.45	11.11
ATG2B	1.61	0.00	40.94	33.77	38.38	39.75	71.47
ATG3	1.42	0.01	25.34	28.14	28.20	28.54	39.02
ATG4A	-1.44	0.07	9.06	7.55	10.57	8.27	6.94
ATG4B	-1.29	0.14	15.25	17.98	12.40	14.38	11.49
ATG4C	1.05	0.79	13.19	12.49	11.62	12.91	14.02
ATG4D	-1.11	0.72	6.19	7.55	6.01	4.30	6.57
ATG5	-1.02	0.96	2.98	2.47	2.35	3.28	2.15
ATG7	1.24	0.32	7.68	6.73	4.96	5.66	8.59
ATG9A	1.20	0.25	19.84	20.86	17.36	23.78	20.58
ATG9B	-2.38	0.01	2.64	5.22	3.66	2.15	1.26
ATIC	1.30	0.04	35.21	30.06	34.59	32.50	45.84
ATL1	-2.48	0.00	5.39	3.57	5.48	4.08	1.14
ATL2	-1.47	0.00	57.68	51.33	61.23	50.17	33.71
ATL3	1.14	0.36	53.90	50.92	50.65	56.06	61.87
ATM	-1.04	0.84	68.58	59.43	61.10	81.76	65.03
ATMIN	1.12	0.55	16.40	13.86	13.84	24.12	17.80
ATN1	1.20	0.24	175.11	158.67	147.78	197.95	200.39
ATOH8	-1.00	0.68	9.86	14.27	9.92	16.08	3.54
ATOX1	-1.94	0.00	31.76	29.37	37.99	16.87	17.80
ATP10A	-1.97	0.00	22.25	25.80	22.85	30.12	10.99
ATP10B	2.16	0.16	1.61	3.29	5.87	0.68	14.27
ATP10D	-1.81	0.00	92.08	82.35	112.53	77.57	44.19
ATP11A	-1.61	0.00	45.41	44.88	37.86	41.11	27.27
ATP11B	2.36	0.00	133.02	136.84	133.03	150.84	434.49
ATP11C	1.99	0.00	12.61	10.98	11.62	15.51	27.65
ATP12A	367.06	0.00	0.11	0.00	0.26	0.00	108.97
ATP13A1	-1.08	0.63	41.51	39.80	43.86	39.41	38.64
ATP13A2	-1.44	0.07	15.60	11.26	21.93	18.23	10.35
ATP13A3	1.05	0.76	31.65	25.26	30.29	32.50	31.19
ATP1A1	1.60	0.00	284.05	238.28	213.18	302.25	444.46
ATP1B1	-2.37	0.00	26.83	22.78	10.57	18.80	12.12
ATP1B3	1.14	0.54	37.15	52.43	46.08	40.77	55.18

ATP2A2	-1.13	0.44	118.80	126.00	114.62	117.21	105.94
ATP2B1	1.41	0.18	306.18	194.22	226.50	284.92	284.61
ATP2B2	1.35	0.37	2.41	1.24	0.78	1.70	1.77
ATP2B3	-2.26	0.06	1.95	1.65	1.44	0.79	0.38
ATP2B4	1.78	0.00	66.86	46.80	50.91	48.13	126.14
ATP2C1	1.17	0.29	46.33	47.08	49.48	48.24	50.63
ATP2C2	-1.39	0.26	4.82	2.88	3.66	3.85	3.41
ATP5A1	1.02	0.90	132.68	152.77	159.92	127.40	145.84
ATP5B	-1.20	0.25	168.57	187.90	162.27	156.84	120.84
ATP5C1	-1.24	0.24	44.61	64.65	72.19	47.90	38.26
ATP5D	1.27	0.08	32.80	45.16	37.47	40.65	52.65
ATP5E	-1.95	0.35	3.67	3.71	5.74	0.34	1.52
ATP5F1	1.04	0.82	35.55	40.35	35.77	37.71	40.41
ATP5G1	-1.82	0.00	19.38	24.57	25.20	16.31	11.74
ATP5G2	1.52	0.00	49.08	65.47	56.00	50.96	88.26
ATP5G3	-1.46	0.01	48.97	70.14	60.57	48.58	36.37
ATP5H	-1.17	0.49	14.79	26.22	18.67	16.65	15.78
ATP5I	-1.05	0.87	14.79	20.31	12.66	12.34	15.78
ATP5J_2	-1.57	0.00	49.31	51.88	46.60	41.33	27.40
ATP5J2	-1.14	0.48	16.63	22.24	20.50	16.53	16.16
ATP5L	-1.00	0.97	14.10	17.71	13.32	11.44	13.51
ATP5O	1.06	0.71	33.60	50.37	43.73	37.26	42.68
ATP5S	-1.69	0.00	11.12	11.12	13.71	10.08	6.31
ATP5SL	1.64	0.02	3.55	3.16	3.92	3.51	6.82
ATP6AP1	-1.41	0.06	145.06	246.10	167.36	202.03	141.17
ATP6AP1L	-1.25	0.67	1.03	0.82	0.52	1.81	0.51
ATP6AP2	-1.04	0.79	67.77	63.14	63.31	61.94	60.23
ATP6V0A1	1.09	0.66	17.09	15.37	17.23	21.40	19.07
ATP6V0A2	-1.28	0.10	38.42	27.59	34.46	34.43	27.02
ATP6V0A4	3.46	0.01	0.23	0.14	0.39	0.79	1.52
ATP6V0B	1.13	0.45	25.34	36.37	27.55	26.61	30.56
ATP6V0C	-1.11	0.54	36.12	46.12	35.51	33.75	34.72
ATP6V0D1	1.16	0.35	21.56	26.49	20.50	19.48	26.77
ATP6V0E1	1.28	0.12	35.21	54.08	36.68	47.00	57.45
ATP6V0E2	1.54	0.23	3.10	3.84	2.87	2.72	7.07
ATP6V1A	-1.20	0.21	60.55	60.39	71.41	58.43	46.59
ATP6V1B2	-1.22	0.24	75.23	60.67	66.06	50.51	44.83
ATP6V1C1	1.00	1.00	13.76	18.26	15.27	17.21	17.42
ATP6V1D	-1.12	0.50	27.75	29.78	27.81	22.88	24.87
ATP6V1E1	-1.00	0.99	38.87	47.77	46.74	35.11	51.14
ATP6V1E2	-1.92	0.19	2.06	1.92	1.57	0.45	0.51
ATP6V1F	-1.15	0.46	12.04	14.55	13.97	11.55	10.86
ATP6V1G1	-1.17	0.36	104.93	125.59	94.12	99.09	99.50
ATP6V1H	-1.33	0.07	16.74	21.69	18.02	16.76	13.13
ATP7A	1.15	0.44	21.67	16.06	17.88	21.52	24.87
ATP7B	-2.15	0.00	21.67	19.08	16.84	21.29	5.68
ATP8B1	2.03	0.00	3.90	3.16	4.70	6.45	11.36

ATP8B2	-1.31	0.16	361.34	378.00	277.15	476.41	201.78
ATP8B4	8.14	0.00	1.03	0.14	0.26	1.02	5.18
ATP9A	2.84	0.00	159.74	101.16	136.16	138.38	404.69
ATP9B	-1.31	0.06	44.26	42.14	35.38	44.62	27.78
ATPAF1	-1.08	0.70	24.54	17.84	21.28	23.33	18.81
ATPAF2	1.22	0.53	3.55	3.84	4.31	3.40	5.56
ATPIF1	-1.41	0.02	30.85	35.27	30.81	27.18	24.12
ATR	-1.47	0.00	33.48	28.00	33.29	33.07	18.56
ATRAID	1.14	0.46	30.73	45.29	35.12	28.20	34.85
ATRIP	-1.37	0.10	7.34	8.10	8.35	9.17	6.57
ATRN	-1.31	0.07	96.67	90.73	74.28	78.25	60.36
ATRX	1.00	0.96	91.62	93.88	100.26	126.27	99.63
ATXN1	-1.47	0.01	69.49	51.47	52.48	47.56	38.26
ATXN10	-1.31	0.06	86.35	97.73	100.78	78.70	61.87
ATXN1L	1.08	0.63	43.92	38.71	36.55	41.22	43.44
ATXN2	-1.47	0.00	103.44	88.81	87.99	94.78	73.11
ATXN2L	1.03	0.85	81.30	76.18	68.93	90.82	83.34
ATXN3	1.17	0.67	1.38	2.47	2.74	1.70	3.16
ATXN7	-1.09	0.62	59.86	53.26	45.56	44.05	55.31
ATXN7L1	1.37	0.10	8.94	9.20	6.01	10.87	11.62
ATXN7L2	1.20	0.47	3.21	3.84	4.05	3.62	4.29
ATXN7L3	1.10	0.54	58.60	74.53	54.96	57.07	64.78
ATXN7L3B	-1.08	0.66	488.40	464.06	411.48	371.32	387.52
AUH	2.71	0.00	2.87	4.25	3.26	4.87	10.35
AUNIP	-1.61	0.10	3.55	5.22	3.13	3.51	2.02
AUP1	1.42	0.01	34.06	39.80	34.73	32.84	51.90
AURKA	-2.03	0.00	18.81	26.63	15.67	13.59	6.94
AURKAIP1	1.27	0.24	7.91	7.82	8.75	9.74	12.25
AURKB	-2.53	0.00	33.37	37.20	25.06	25.03	6.94
AURKC	2.30	0.00	5.96	2.33	4.83	5.21	8.59
AUTS2	-1.17	0.54	1634.11	1469.19	974.66	932.44	1423.42
AVEN	-1.11	0.63	23.05	35.69	37.08	30.12	30.68
AVIL	-1.68	0.42	6.77	2.06	1.57	1.70	2.40
AVL9	1.50	0.01	42.20	32.39	38.51	36.35	61.87
AVPI1	2.24	0.00	16.63	16.20	12.53	13.93	30.56
AVPR2	49.18	0.00	0.23	0.27	0.00	0.23	14.27
AXIN1	-1.03	0.87	27.98	30.61	26.24	24.57	27.02
AXIN2	2.57	0.00	15.02	17.98	15.40	25.71	63.51
AXL	1.27	0.19	29.01	19.08	18.02	28.76	31.57
AZGP1	1.79	0.34	1.15	1.37	0.78	0.11	1.64
AZI2	1.02	0.97	31.42	31.71	29.76	32.61	33.97
AZIN1	-1.80	0.00	196.21	238.28	219.58	235.89	114.15
B2M	3.66	0.00	30.39	18.53	22.58	27.40	100.00
B3GALNT1	4.54	0.00	17.55	12.22	19.45	16.31	83.72
B3GALNT2	1.29	0.29	5.39	4.80	4.44	5.21	8.08
B3GALT1	-2.84	0.00	4.47	1.92	3.39	2.15	1.26
B3GALT4	1.03	0.92	5.85	6.04	4.96	5.78	4.80

B3GAT1	-8.94	0.00	10.09	7.55	9.92	8.95	0.88
B3GAT2	-3.66	0.00	1.83	1.78	2.48	1.36	0.51
B3GAT3	1.01	0.94	45.87	77.96	52.09	57.64	53.41
B3GNT2	-1.25	0.12	30.27	27.04	26.76	27.18	23.49
B3GNT6	1.24	0.83	1.95	1.24	1.70	1.59	3.16
B3GNT7	-2.56	0.00	79.01	100.47	75.98	85.84	22.48
B3GNT9	-1.52	0.00	127.40	137.81	132.24	151.97	70.71
B3GNTL1	1.64	0.07	4.24	2.33	3.52	2.49	5.43
B4GALNT1	-2.18	0.15	2.98	0.55	1.57	1.02	0.88
B4GALNT3	1.00	0.98	144.38	117.22	124.41	165.67	167.94
B4GALNT4	-1.93	0.01	8.83	12.22	12.53	7.02	2.65
B4GALT1	2.67	0.00	43.58	51.47	45.17	54.13	164.15
B4GALT2	-1.53	0.00	66.28	82.35	81.59	58.43	47.22
B4GALT3	-1.03	0.89	20.07	23.20	22.06	16.76	19.07
B4GALT4	1.05	0.78	42.89	50.37	54.83	55.15	57.33
B4GALT5	1.62	0.02	14.33	14.27	9.79	16.08	27.65
B4GALT6	-2.69	0.00	27.52	16.20	18.28	25.03	7.07
B4GALT7	-1.49	0.01	18.12	24.16	21.02	18.23	14.39
B4GAT1	-1.28	0.21	10.66	10.71	7.70	10.42	7.07
B9D1	1.21	0.57	3.78	4.53	4.57	3.96	7.32
B9D2	-1.22	0.30	11.70	14.96	12.53	9.74	9.09
BAALC	-1.38	0.50	2.29	1.24	0.91	2.60	1.01
BABAM1	1.23	0.21	13.30	19.35	13.58	15.97	18.81
BACE1	-1.06	0.75	26.72	33.08	28.33	34.88	25.76
BACE2	3.86	0.00	19.15	15.92	18.67	14.27	103.54
BACH1	1.34	0.04	34.40	24.71	27.41	33.52	40.78
BACH2	-1.32	0.33	4.13	3.43	3.92	5.10	1.52
BAD	1.30	0.11	13.88	17.98	15.53	15.74	21.84
BAG1	1.01	0.96	35.43	44.06	40.60	33.29	41.79
BAG2	-1.37	0.12	8.14	7.82	6.79	10.19	5.81
BAG3	1.09	0.62	32.11	48.31	32.64	30.58	37.88
BAG4	1.47	0.24	1.95	1.92	0.91	1.36	3.03
BAG5	-1.04	0.97	38.19	54.77	34.59	23.89	46.34
BAG6	-1.14	0.55	500.90	612.85	441.25	353.43	424.64
BAHCC1	3.09	0.00	30.27	27.31	32.24	37.82	111.24
BAHD1	1.21	0.21	23.85	25.26	24.93	24.57	31.82
BAIAP2	1.34	0.07	16.51	17.29	17.36	18.57	26.26
BAIAP2L1	1.19	0.32	44.26	44.33	30.81	69.08	59.47
BAIAP2L2	1.23	0.66	0.46	1.10	0.26	1.13	1.14
BAK1	-1.39	0.30	1.72	2.61	2.61	2.72	1.64
BAMBI	-1.98	0.00	21.33	56.41	27.41	32.05	10.86
BANF1	-1.39	0.03	65.36	97.86	85.12	68.29	55.56
BANK1	3.92	0.00	0.23	0.55	0.13	0.23	1.26
BANP	-1.11	0.63	9.17	11.53	9.27	12.00	9.60
BAP1	-1.01	0.98	57.22	52.02	51.83	60.92	56.19
BARD1	-3.02	0.00	17.43	12.63	14.36	14.04	3.79
BARX1	-2.27	0.00	84.63	100.75	64.23	80.97	32.20

BASP1	-3.09	0.19	2.41	0.96	6.40	0.45	0.51
BATF	51.69	0.00	0.00	0.14	0.00	0.11	4.92
BAX	2.59	0.00	7.34	6.18	4.83	4.42	15.03
BAZ1A	2.74	0.00	3.55	4.53	4.57	5.55	9.98
BAZ1B	-1.24	0.70	677.96	138.77	659.78	363.17	409.23
BAZ2A	1.50	0.01	65.82	42.82	62.01	69.30	99.37
BAZ2B	-1.15	0.47	11.93	10.71	10.31	12.80	11.49
BBC3	1.97	0.00	5.73	4.25	3.79	3.40	7.20
BBIP1	-1.02	0.91	16.17	17.16	16.71	14.16	13.51
BBS1	-1.02	0.92	25.34	19.35	19.84	22.08	22.98
BBS10	-1.41	0.17	4.70	5.63	7.96	6.91	4.04
BBS12	1.09	0.72	10.55	8.78	8.35	10.76	8.33
BBS2	1.04	0.80	35.43	31.84	41.25	41.90	37.12
BBS4	1.24	0.16	20.41	17.71	18.54	21.06	20.96
BBS5	1.10	0.83	3.44	2.33	2.35	1.81	2.90
BBS7	1.40	0.06	8.94	9.06	11.75	11.66	14.27
BBS9	-1.13	0.71	5.96	3.84	4.96	3.74	4.55
BBX	-1.04	0.82	84.06	84.82	100.00	100.67	87.88
BCAM	1.46	0.26	1.38	1.65	2.48	1.70	3.03
BCAP29	1.33	0.08	13.88	16.88	15.67	15.06	18.94
BCAP31	-1.42	0.02	52.52	63.28	62.92	44.96	30.30
BCAR1	1.02	0.92	49.54	52.43	54.83	42.24	51.64
BCAR3	-4.86	0.00	6.54	10.43	7.31	5.10	1.26
BCAS1	11.33	0.00	0.34	0.69	1.96	0.79	10.10
BCAS2	-1.15	0.66	3.78	2.33	3.39	4.30	3.91
BCAS3	1.42	0.15	6.42	5.63	3.79	4.76	9.85
BCAS4	1.04	0.81	14.91	23.88	17.75	18.01	18.18
BCAT1	1.09	0.61	48.85	59.98	54.05	63.98	62.76
BCAT2	1.94	0.00	8.14	8.10	7.83	10.08	20.83
BCCIP	-1.05	0.85	21.33	23.20	21.54	14.27	23.36
BCDIN3D	-1.45	0.07	8.37	8.10	9.40	6.00	4.67
BCKDHA	1.46	0.02	11.47	13.59	8.88	10.87	14.39
BCKDHB	-1.21	0.25	13.19	14.55	15.01	14.50	13.89
BCKDK	-1.01	0.98	15.02	16.47	10.57	14.16	14.39
BCL10	1.18	0.32	18.46	16.75	21.54	18.01	21.47
BCL11A	1.15	0.70	1.72	1.51	1.04	2.72	1.77
BCL2	2.12	0.19	0.57	0.55	0.78	1.02	2.78
BCL2L1	1.57	0.00	15.83	14.69	21.15	17.55	29.67
BCL2L12	-1.05	0.90	13.19	7.69	10.18	15.29	8.71
BCL2L13	1.17	0.28	71.56	80.43	70.63	75.76	87.76
BCL2L2	-1.05	0.79	55.39	58.61	58.88	61.94	58.46
BCL3	9.59	0.00	3.67	5.90	4.83	3.17	49.50
BCL6	2.84	0.00	74.65	51.33	101.30	46.32	206.07
BCL6B	1.31	0.70	0.34	0.82	1.44	0.91	0.38
BCL7A	-2.36	0.00	5.73	8.24	7.83	6.91	2.90
BCL7B	1.05	0.89	11.35	8.78	8.09	10.76	14.14
BCL7C	1.04	0.84	12.27	16.06	10.18	12.34	13.64

BCL9	-1.18	0.32	103.32	90.04	75.72	95.35	69.19
BCL9L	1.45	0.01	54.47	45.57	48.82	51.98	72.23
BCLAF1	-1.17	0.31	130.27	104.04	106.66	116.64	99.88
BCNT2	-1.15	0.54	192.77	128.88	113.05	111.77	155.18
BCO2	2.98	0.00	1.83	1.10	2.48	0.34	5.18
BCOR	-1.12	0.44	41.74	43.92	37.21	38.05	32.45
BCORL1	1.20	0.46	9.63	12.63	13.71	12.00	17.93
BCR	1.07	0.77	10.32	13.18	10.18	13.82	11.49
BCS1L	-1.43	0.18	3.44	3.57	4.83	3.28	2.53
BDH1	-1.46	0.28	2.06	1.24	2.35	1.70	2.40
BDH2	1.75	0.00	34.29	32.67	31.33	34.31	78.16
BDKRB1	15.03	0.00	0.80	1.10	0.91	0.23	16.41
BDKRB2	29.71	0.00	0.11	0.27	0.65	0.45	17.55
BDP1	-1.16	0.36	73.74	76.18	93.60	91.50	70.96
BEAN1	-1.96	0.06	1.72	1.65	1.70	1.13	1.64
BECN1	1.17	0.30	28.10	26.49	21.67	25.71	32.58
BEGAIN	-2.30	0.02	1.72	2.06	1.70	1.25	0.51
BEND3	-1.67	0.03	4.82	3.84	4.18	3.85	2.65
BEND6	-1.49	0.20	2.75	6.59	6.14	6.34	1.77
BEND7	2.63	0.00	3.78	1.78	1.96	1.13	7.45
BEST1	2.05	0.06	1.03	1.37	1.83	1.47	3.79
BET1	-1.39	0.01	37.50	31.02	33.81	33.75	24.12
BET1L	-1.28	0.05	63.19	60.39	58.35	56.28	45.84
BEX2_2	-1.22	0.27	11.47	12.08	11.88	10.19	11.24
BEX5	-1.19	0.35	17.20	20.18	22.58	15.85	20.33
BFAR	1.10	0.57	70.18	78.92	68.15	75.08	86.75
BFSP1	-1.78	0.08	2.41	4.39	2.35	2.83	0.63
BGN	-1.55	0.00	5957.12	7347.48	6879.90	5874.03	4167.22
BHLHB9	-1.07	0.79	10.09	8.65	8.62	7.02	8.84
BHLHE40	8.00	0.00	4.24	9.75	7.18	6.91	75.00
BHLHE41	-1.06	0.85	27.52	36.78	38.90	19.48	33.08
BICC1	1.60	0.00	18.00	14.00	14.10	16.19	30.05
BICD2	1.05	0.78	42.20	40.90	40.47	42.92	43.44
BID	1.01	0.91	22.59	27.59	23.63	17.89	25.25
BIK	69.40	0.00	0.11	0.00	0.00	0.00	2.78
BIN1	1.17	0.41	16.28	18.12	16.45	14.16	19.95
BIN3	1.82	0.00	10.89	12.22	8.22	13.14	25.76
BIRC2	1.27	0.11	37.96	33.77	37.21	40.43	56.57
BIRC3	11.11	0.00	25.11	17.98	21.54	21.86	414.03
BIRC5	-3.21	0.00	84.63	85.79	73.11	53.45	17.17
BIRC6	1.22	0.19	113.07	94.71	110.31	111.66	146.72
BIVM	1.10	0.62	23.62	35.82	31.20	30.12	36.11
BLA-DQB	4.11	0.19	0.11	0.41	4.31	1.13	15.53
BLCAP	1.29	0.08	22.48	21.14	22.45	21.06	33.21
BLM	-1.42	0.03	14.79	14.41	15.67	13.82	8.08
BLMH	1.38	0.01	19.04	19.22	21.28	20.72	28.28
BLOC1S1	-1.25	0.22	14.10	16.20	15.40	11.44	10.86

BLOC1S2	1.63	0.02	3.78	3.43	4.96	3.51	7.83
BLOC1S3_1	1.28	0.16	8.14	9.06	8.35	8.27	10.48
BLOC1S4	-1.10	0.61	15.25	12.35	14.36	16.65	13.38
BLOC1S5	-1.03	0.87	24.08	26.77	30.68	24.69	26.39
BLOC1S6	1.34	0.04	18.58	18.67	16.58	21.74	22.60
BLVRA	-1.28	0.19	13.19	10.84	12.66	16.76	9.85
BLVRB	-1.04	0.87	19.04	23.75	23.76	16.87	24.12
BLZF1	-1.34	0.03	27.29	27.18	27.15	24.91	19.82
BMF	8.01	0.00	0.34	0.96	0.26	1.02	4.42
BMI1	1.25	0.17	19.49	24.16	22.58	23.67	26.39
BMP1	9.78	0.00	76.03	102.53	71.80	90.48	1083.76
BMP2	5.36	0.00	4.01	4.25	2.22	6.45	22.60
BMP2K	1.35	0.16	4.70	4.80	4.70	4.98	5.68
BMP3	2.61	0.02	0.57	0.96	0.52	1.93	2.40
BMP4	-1.10	0.88	1.61	0.55	0.91	2.94	0.76
BMP5	-4.38	0.00	34.75	31.84	38.77	14.50	5.43
BMP6	-1.05	0.98	24.54	27.18	25.20	55.26	27.65
BMP7	120.56	0.00	0.11	0.55	0.00	0.00	33.59
BMPER	-2.36	0.00	91.97	82.77	61.10	107.35	23.11
BMPR1A	-1.27	0.09	100.57	105.41	114.36	113.24	82.71
BMPR1B	-6.23	0.00	9.06	7.96	7.44	8.83	1.01
BMPR2	-1.13	0.53	73.85	91.82	75.59	105.88	65.66
BMS1	1.05	0.80	36.70	33.08	37.47	39.18	42.68
BNC2	-1.59	0.01	227.40	254.61	197.39	135.21	158.47
BNIP1	-1.39	0.08	7.91	9.20	7.57	8.27	7.07
BNIP2	-1.30	0.15	60.78	48.18	37.73	37.48	35.36
BNIP3	1.02	0.75	43.92	142.88	149.48	107.92	79.55
BNIP3L	1.19	0.29	31.08	50.24	55.22	42.47	57.83
BOC	-3.00	0.00	169.37	118.86	133.03	145.18	41.16
BOD1	-1.59	0.00	28.78	23.20	32.51	27.18	19.19
BOD1L1	1.14	0.42	94.61	69.59	78.46	96.48	88.51
BOK	1.13	0.64	4.36	5.90	3.26	5.44	6.31
BoLA	3.84	0.00	3.90	2.47	7.05	2.60	16.29
BOLA_1	1.66	0.52	1.26	0.00	0.65	1.81	1.14
BOLA_2	1.47	0.31	5.85	70.96	77.94	100.79	18.94
BOLA_3	2.17	0.03	6.88	5.49	14.88	4.53	13.38
BOLA1	-1.25	0.53	3.33	6.73	5.09	3.28	3.79
BOLA2B	1.64	0.00	8.49	9.88	9.66	7.25	15.53
BOLA3	-2.57	0.00	21.67	21.41	23.50	14.50	7.32
BOLA-DMA	-1.39	0.12	6.42	10.71	8.35	9.97	5.43
BOLA-DMB	1.31	0.65	0.34	1.10	0.26	0.57	0.38
BOLA-DRB3	3.21	0.03	0.11	0.41	0.78	0.00	1.14
BOLA-NC1	2.31	0.07	5.16	2.47	5.87	4.53	4.55
BOP1	1.22	0.43	18.35	18.12	18.80	14.95	19.95
BORA	-1.92	0.00	52.18	65.20	44.52	31.48	28.41
BORCS5	1.14	0.63	4.59	4.67	4.18	6.00	5.18
BORCS6	1.14	0.62	6.42	7.55	4.44	6.45	5.68

BORCS7	1.22	0.27	7.91	9.75	8.75	9.74	11.62
BORCS8	1.08	0.80	2.29	3.84	3.52	4.08	3.79
BPGM	1.20	0.77	1.15	1.24	1.31	1.70	1.89
BPHL	1.52	0.03	4.93	6.04	4.31	5.89	7.95
BPNT1	1.13	0.55	20.07	18.12	15.14	18.91	15.40
BPTF	-1.08	0.68	148.62	143.71	142.16	166.92	140.79
BRAF	1.23	0.27	56.76	45.84	57.57	73.49	95.71
BRAP_1	-1.30	0.55	1.03	2.47	2.09	1.47	1.39
BRAP_2	1.19	0.35	12.96	10.43	12.40	13.93	12.63
BRAT1	1.00	0.99	20.99	12.76	15.27	15.29	19.82
BRCA1	-2.37	0.00	53.78	44.47	47.78	51.53	15.03
BRCA2	-1.91	0.00	57.34	48.86	59.66	57.19	25.13
BRCC3	1.10	0.70	9.75	9.61	11.88	13.02	15.91
BRD1	-1.14	0.39	37.84	38.29	30.68	34.54	31.31
BRD2	-1.03	0.85	40.25	45.43	35.25	40.54	34.85
BRD3	-1.47	0.00	47.70	49.14	43.34	40.20	27.15
BRD4	1.43	0.01	62.61	67.39	55.09	71.68	99.25
BRD7	1.06	0.72	37.27	42.96	40.73	40.09	41.29
BRD8	-1.02	0.92	82.11	70.96	79.76	83.57	74.50
BRD9	-1.05	0.79	38.30	42.82	35.51	41.90	44.19
BRE	1.54	0.00	13.99	14.00	13.84	10.98	23.74
BRF1	-1.01	0.93	36.58	34.59	37.47	37.48	38.13
BRF2	1.07	0.80	6.77	7.41	7.44	7.02	6.69
BRI3	1.31	0.11	15.94	17.98	12.66	25.48	22.98
BRI3BP	-2.54	0.00	7.57	9.47	8.09	8.27	2.90
BRIP1	-1.65	0.00	18.58	14.96	15.27	18.69	7.58
BRIX1	-1.04	0.84	16.28	18.53	19.84	21.86	17.05
BRK1	-1.05	0.81	29.13	37.75	36.42	30.46	31.95
BRMS1	1.37	0.09	13.42	13.73	11.10	10.53	21.84
BRMS1L	-1.56	0.01	13.30	13.59	14.88	12.00	6.69
BROX	1.34	0.03	35.32	39.26	40.73	39.30	52.65
BRPF1	1.03	0.91	23.39	22.65	18.93	22.99	22.85
BRPF3	-1.21	0.31	41.86	24.98	29.50	34.09	24.24
BRSK1	-1.52	0.13	8.14	5.90	5.48	4.19	6.44
BRWD1	-1.18	0.27	77.41	62.59	67.49	73.16	65.66
BRWD3	-1.03	0.87	115.13	92.24	80.29	74.29	77.65
BSCL2	1.25	0.18	17.43	19.49	15.53	18.69	21.84
BSDC1	-1.09	0.61	29.82	36.10	36.55	40.88	33.21
BSG	1.02	0.90	265.47	418.08	326.63	251.29	371.61
BSN	1.30	0.68	0.92	0.00	1.31	1.13	2.27
BTAF1	-1.33	0.04	97.01	94.02	90.47	105.54	66.04
BTBD1	-1.04	0.80	34.06	32.80	35.64	36.12	37.63
BTBD10	-1.25	0.16	18.92	18.39	18.80	15.63	12.75
BTBD11_1	-4.01	0.00	1.38	1.51	0.39	1.93	0.13
BTBD11_2	-2.34	0.05	3.10	3.57	1.96	8.49	1.14
BTBD19	1.62	0.03	13.53	14.82	8.35	17.44	15.15
BTBD2	1.12	0.48	59.06	70.28	63.58	66.70	68.56

BTBD3	-1.83	0.00	191.97	173.36	120.10	187.53	82.96
BTBD6	-1.47	0.28	1.26	2.20	2.09	1.70	1.01
BTBD7	-1.15	0.45	55.16	76.18	47.78	54.47	44.57
BTBD8	1.31	0.42	2.41	1.24	1.17	1.81	2.78
BTBD9_1	1.05	0.86	3.10	4.67	2.87	2.72	2.65
BTBD9_2	-1.15	0.61	11.12	9.61	8.09	6.23	8.59
BTC	8.96	0.00	2.75	0.41	1.17	3.06	29.55
BTD	-1.10	0.57	17.43	18.39	18.41	16.65	18.69
BTF3	1.50	0.00	58.03	86.61	78.59	74.17	113.39
BTF3L4	-1.11	0.55	17.09	20.86	18.80	18.80	16.67
BTG1	2.10	0.00	137.72	189.14	135.12	173.15	428.30
BTG2	2.34	0.00	44.95	37.75	54.96	40.09	110.36
BTG3	1.50	0.01	86.81	80.71	83.03	81.42	156.95
BTRC	-1.28	0.10	27.18	26.49	27.28	30.46	16.41
BUB1	-2.59	0.00	56.42	56.55	64.10	56.96	16.54
BUB1B	-2.95	0.00	73.28	70.55	67.88	66.36	15.53
BUB3	-1.46	0.00	82.68	84.82	73.76	72.93	52.53
BUD13	-1.16	0.37	17.32	14.69	14.62	15.51	12.00
BUD31	-1.16	0.69	12.04	24.29	12.92	11.55	14.39
BYSL	1.16	0.56	4.36	5.76	3.92	5.10	5.30
BZRAP1	1.13	0.50	12.96	12.49	14.75	17.21	18.56
BZW1	1.55	0.00	112.04	125.45	131.33	130.00	197.48
BZW2	1.63	0.00	16.40	22.37	20.37	24.57	36.11
C10H14orf1	1.17	0.33	14.22	16.06	13.19	13.48	16.54
C10H14orf119	-1.14	0.43	27.18	31.84	34.20	26.27	24.12
C10H14orf166	1.02	0.87	92.20	139.32	140.21	100.67	117.56
C10H14orf37	-1.02	0.91	18.58	10.84	13.19	14.95	10.99
C10H14orf53	2.47	0.64	1.61	1.78	0.00	0.00	5.68
C10H14orf93	1.88	0.00	3.78	4.94	3.39	3.74	7.20
C10H15orf41	1.33	0.09	9.06	9.61	10.18	10.98	13.13
C10H15orf48	24.62	0.00	2.52	3.84	2.22	2.49	78.03
C10H15orf52	1.47	0.33	1.72	0.82	1.44	1.25	1.52
C10H15orf57	1.38	0.03	14.10	14.41	13.71	16.53	21.84
C10H15orf59	1.81	0.16	1.03	0.00	0.78	1.36	1.89
C10H15orf61	-1.04	0.85	1.49	2.47	1.31	1.70	1.01
C11H2orf40	-3.09	0.00	173.04	82.63	139.95	77.01	54.93
C11H2orf42	1.02	0.93	6.88	6.18	8.49	9.74	6.44
C11H2orf44	-1.11	0.82	5.28	2.61	6.66	5.21	4.29
C11H2orf49	1.09	0.63	22.02	19.08	16.06	19.93	20.33
C11H2orf68	1.15	0.46	15.71	19.08	14.88	15.74	21.47
C11H9orf114	2.06	0.00	2.29	3.16	2.61	2.04	6.44
C11H9orf116	1.53	0.30	2.98	1.51	1.31	1.59	1.52
C11H9orf142	1.70	0.06	1.26	1.65	2.48	2.15	3.03
C11H9orf16	2.33	0.00	5.28	2.61	3.92	2.38	12.88
C11H9orf172	2.58	0.00	4.59	5.90	8.49	3.96	11.74
C11H9orf50	2.54	0.01	1.38	0.41	1.44	1.02	2.65
C11H9orf69	-1.03	0.85	20.87	25.80	21.28	18.46	15.03

C11H9orf78	1.23	0.19	17.09	20.31	14.88	16.65	21.21
C13H20orf194	-1.48	0.01	39.68	31.98	42.17	37.14	26.52
C13H20orf196	1.13	0.82	1.26	0.14	1.17	1.47	1.14
C13H20orf24	1.08	0.77	12.27	20.04	15.93	11.78	20.96
C13H20orf27	-1.27	0.13	30.73	33.63	32.51	23.67	22.22
C13H20orf96	-1.15	0.64	3.10	2.88	1.96	2.38	3.54
C14H8orf22	-1.62	0.09	5.28	5.08	4.83	8.95	2.15
C14H8orf33	1.08	0.74	5.96	7.14	4.70	4.76	5.30
C14H8orf37	1.06	0.75	76.26	66.98	68.67	77.12	78.16
C14H8orf59	1.06	0.85	0.69	1.78	0.91	1.36	1.26
C14H8orf76	1.30	0.17	6.19	6.59	6.79	7.13	9.09
C14H8orf82	1.13	0.61	5.62	5.90	5.61	5.89	5.93
C14H8orf88	-3.43	0.00	5.85	6.59	7.83	4.53	1.52
C14H8orf89	1.19	0.47	15.37	9.33	9.01	12.23	19.07
C15H11orf31	1.05	0.82	24.88	23.47	25.72	25.37	29.04
C15H11orf42	-1.21	0.58	4.59	2.47	4.18	3.17	2.90
C15H11orf49	-1.01	0.96	5.05	5.22	5.22	4.42	5.68
C15H11orf57	1.08	0.70	8.14	9.20	12.14	9.97	10.73
C15H11orf58	-1.15	0.38	134.17	154.28	147.65	151.52	128.67
C15H11orf70	-1.06	0.84	4.59	4.67	7.70	8.04	4.42
C15H11orf71	-1.18	0.65	2.75	4.80	2.74	3.17	2.27
C15H11orf74	-1.20	0.36	13.99	17.43	18.28	12.46	10.73
C15H11orf96	1.24	0.24	40.94	40.22	19.84	50.28	54.55
C16H1orf112	-2.26	0.00	11.12	8.37	10.44	9.29	3.79
C16H1orf116	2.85	0.00	5.39	5.49	5.74	9.97	12.63
C16H1orf159	1.06	0.86	2.64	2.33	1.70	3.74	2.27
C16H1orf167	1.24	0.57	2.41	2.06	2.61	2.04	3.41
C16H1orf174	1.45	0.03	8.94	12.76	8.88	9.63	16.92
C16H1orf21	-1.16	0.65	15.48	35.69	32.38	24.80	21.97
C16H1orf233	-1.03	0.86	11.35	14.14	12.66	13.70	10.10
C16H1orf27	-1.05	0.80	27.18	28.96	31.20	26.95	28.79
C16H1orf74	-1.06	0.85	7.80	7.00	6.53	10.76	7.07
C16H1orf95	1.82	0.09	2.87	0.00	2.35	1.70	3.03
C17H12orf43	-1.06	0.86	7.80	9.33	11.75	6.79	7.07
C17H12orf49	1.16	0.54	5.50	5.08	6.01	4.87	6.94
C17H12orf65	-1.19	0.47	6.19	8.78	8.09	6.00	5.68
C17H22orf39	1.08	0.81	1.72	3.29	3.13	3.40	2.78
C17H4orf33	-1.03	0.88	4.93	1.24	7.05	4.08	3.91
C17H4orf46	-2.21	0.00	38.07	39.94	36.68	36.01	13.51
C18H16orf46	-1.95	0.02	3.78	4.12	2.22	4.19	1.39
C18H16orf70	1.18	0.62	2.64	2.06	2.35	2.72	3.28
C18H16orf74	1.55	0.19	4.82	7.14	4.05	6.23	11.24
C18H16orf87	1.19	0.48	5.05	4.25	4.70	4.87	5.43
C18H19orf12	1.34	0.05	19.72	19.22	18.93	16.99	27.02
C18H19orf18	-1.14	0.76	23.74	9.33	14.49	12.23	14.90
C18H19orf33	-1.13	0.80	1.15	0.82	0.78	1.36	1.01
C18H19orf47	-1.37	0.28	8.49	5.08	4.44	5.32	3.66

C18H19orf48	-1.17	0.34	40.94	57.24	53.92	45.30	36.49
C18H19orf54	1.06	0.77	9.06	10.43	9.27	7.93	9.09
C18H19orf68	-1.31	0.39	6.19	5.22	12.66	9.06	5.56
C19H17orf100	-1.00	0.93	3.10	4.25	3.52	4.19	2.90
C19H17orf49	1.03	0.95	18.92	19.63	18.67	20.04	22.73
C19H17orf53	-1.95	0.01	4.47	5.76	4.57	3.62	2.65
C19H17orf58	-1.50	0.07	4.70	4.67	6.27	5.55	4.17
C19H17orf62	-1.25	0.13	25.69	26.35	23.89	22.08	18.18
C19H17orf75	1.01	0.96	20.64	18.67	20.76	26.95	18.44
C19H17orf80	-1.12	0.49	33.26	31.57	30.29	36.24	25.76
C19H17orf89	-1.09	0.81	2.98	4.12	4.57	2.38	4.55
C19H17orf96	1.08	0.86	1.26	1.37	1.44	2.38	1.52
C1D	-1.63	0.00	14.45	14.96	16.58	14.50	8.21
C1GALT1	9.02	0.00	5.16	5.49	6.79	7.47	62.25
C1GALT1C1	-1.36	0.04	28.10	31.29	34.99	30.01	17.68
C1H21orf2	-1.67	0.00	20.64	24.71	21.54	18.35	12.12
C1H21orf33	1.41	0.02	14.79	20.73	18.93	19.02	25.51
C1H21orf58	-1.35	0.28	5.62	3.43	5.48	4.64	4.04
C1H21orf59	1.30	0.09	14.91	17.57	14.62	20.84	21.21
C1H21orf91	1.34	0.21	5.85	5.22	3.79	10.31	8.84
C1H3orf17	1.30	0.23	7.11	5.63	10.57	8.04	11.62
C1H3orf33	-2.01	0.00	12.61	14.69	16.19	13.59	6.31
C1H3orf38	-1.35	0.07	16.40	19.90	14.88	14.04	12.50
C1H3orf58	1.98	0.00	30.96	39.39	41.38	44.16	89.52
C1H3orf70	-2.34	0.00	31.76	25.94	35.38	25.71	11.36
C1H3orf80	30.76	0.00	0.00	0.14	0.13	0.23	4.04
C1QBP	-1.07	0.77	27.41	31.71	29.90	21.06	24.62
C1QL1	-1.63	0.03	20.41	23.47	31.72	17.33	10.99
C1QTNF1	1.83	0.00	19.38	31.29	18.41	21.29	35.10
C1QTNF2	-4.85	0.00	5.62	2.61	3.92	3.62	0.51
C1QTNF3	-4.60	0.00	453.77	596.24	257.44	434.51	38.26
C1QTNF5	2.22	0.00	52.86	87.30	44.39	133.63	152.03
C1QTNF6	-1.57	0.10	3.44	4.39	5.35	5.32	2.02
C1QTNF8	-1.39	0.15	41.74	51.20	28.85	64.78	20.96
C1R	49.40	0.00	5.28	5.63	7.83	6.12	327.03
C1RL	3.54	0.00	2.41	7.41	4.05	6.45	12.25
C1S	45.61	0.00	16.40	15.37	12.53	23.44	820.61
C2	20.96	0.00	0.57	0.55	0.26	0.34	10.99
C20H5orf22	-1.06	0.82	10.09	6.86	9.27	9.29	8.08
C20H5orf28	1.68	0.11	2.29	2.61	1.31	2.60	4.04
C20H5orf34	1.03	0.91	12.38	10.16	11.75	11.55	10.23
C20H5orf42	1.03	0.81	80.96	57.37	71.54	98.41	79.42
C20H5orf49	-2.68	0.00	9.40	7.55	6.27	3.51	1.64
C21H14orf132	2.02	0.08	0.69	0.82	0.91	0.57	1.89
C21H14orf142	-1.10	0.65	11.81	11.39	8.75	11.78	8.71
C21H14orf2	-1.12	0.63	20.18	34.45	30.16	21.74	23.86
C21H14orf28	1.81	0.02	2.18	2.61	2.61	3.62	6.69

C21H14orf79	1.74	0.08	1.72	1.51	1.04	0.68	2.27
C21H14orf80	-2.65	0.00	29.01	23.20	21.67	31.14	6.44
C21H15orf39	-1.49	0.01	18.12	18.26	14.75	15.29	8.21
C21H15orf40	1.30	0.13	10.44	11.53	12.27	11.55	17.55
C21H5orf51	1.47	0.04	5.39	6.45	6.27	8.15	10.35
C22H3orf14	1.20	0.69	1.38	2.06	1.44	0.79	2.15
C22H3orf18	-1.46	0.06	6.42	6.59	7.31	6.57	4.67
C22H3orf35	-2.23	0.05	2.98	1.51	1.17	1.70	0.51
C22H3orf62	1.40	0.27	4.24	3.43	3.39	2.72	5.68
C22H3orf67	-1.05	0.80	10.32	11.39	12.79	17.89	7.07
C23H6orf106	1.09	0.74	20.07	29.10	24.02	20.50	28.28
C23H6orf136	-1.04	0.86	5.85	5.35	4.18	4.76	6.44
C23H6orf47	1.00	0.99	7.11	7.27	7.18	4.76	7.83
C23H6orf62	1.35	0.03	78.44	77.82	81.46	88.78	123.24
C23H6orf89	1.26	0.10	111.01	107.20	116.58	118.23	141.17
C24H18orf21	1.24	0.30	7.00	6.59	10.57	8.95	9.34
C24H18orf25	1.00	0.99	5.39	8.37	5.74	6.12	8.46
C24H18orf32	-1.04	0.82	16.17	14.14	16.06	15.06	16.29
C24H18orf42	-2.78	0.00	2.52	2.61	3.66	1.25	1.01
C24H18orf54_1	-2.49	0.00	7.80	8.24	5.87	6.57	2.65
C24H18orf54_2	-1.67	0.29	2.29	0.55	1.31	2.15	1.26
C24H18orf8	-1.13	0.59	13.65	10.02	12.14	9.17	12.00
C25H16orf13	-1.12	0.70	8.60	14.55	8.75	10.08	9.09
C25H16orf45	-1.66	0.29	108.94	2.06	3.39	125.70	18.81
C25H16orf52	1.02	0.88	11.12	11.80	6.27	8.61	9.98
C25H16orf58	-1.72	0.01	12.27	10.98	11.62	12.00	3.03
C25H16orf59	-1.14	0.59	8.60	6.31	6.53	8.83	6.06
C25H16orf62	-1.23	0.18	32.57	34.04	45.17	35.45	29.80
C25H16orf71	1.04	0.89	0.92	0.96	2.35	1.81	1.52
C25H16orf72	1.06	0.75	60.43	51.06	56.66	50.05	55.56
C25H16orf91	1.22	0.18	18.35	18.53	19.32	17.55	23.61
C25H16orf96	-1.68	0.18	2.18	1.92	2.74	1.02	1.01
C25H7orf26	-1.07	0.71	12.96	13.86	13.05	13.59	11.87
C25H7orf43	-1.25	0.23	13.07	14.00	11.36	13.82	14.65
C25H7orf50	1.25	0.25	9.98	10.02	9.53	9.63	13.38
C25H7orf61	-1.01	0.93	8.83	21.27	6.66	12.23	17.05
C26H10orf131	-1.59	0.31	7.34	3.29	1.96	3.51	2.65
C26H10orf2	1.81	0.00	7.22	7.14	7.31	6.34	11.62
C26H10orf76	1.30	0.14	18.58	18.39	15.01	22.42	26.01
C26H10orf88	1.20	0.39	6.31	4.80	9.53	8.27	8.71
C27H4orf47	-1.51	0.00	35.66	38.29	42.43	40.20	28.92
C27H8orf48	-1.32	0.32	4.82	3.71	4.18	3.51	2.27
C28H10orf107	-1.61	0.08	5.39	6.86	3.66	3.85	3.28
C28H10orf35	1.23	0.26	9.52	9.61	9.01	11.10	10.73
C28H10orf54	8.58	0.00	0.80	1.10	0.91	1.25	10.61
C28H1orf131	1.01	0.97	8.72	7.69	6.40	6.00	10.73
C28H1orf198	1.13	0.46	15.14	16.61	15.14	14.38	16.79

C29H11orf24	-1.60	0.00	62.38	69.73	60.05	39.86	36.62
C29H11orf54	-1.03	0.88	13.30	16.61	17.10	15.63	13.89
C29H11orf68	-1.07	0.69	26.72	26.22	28.59	27.07	21.72
C29H11orf73	-1.05	0.83	13.30	18.80	17.23	16.42	14.90
C29H11orf84	-1.58	0.00	26.49	26.49	23.24	24.91	14.90
C29H11orf95	-1.68	0.02	8.49	7.82	10.57	13.48	4.67
C2CD2	3.90	0.00	4.59	6.45	6.92	5.55	34.22
C2CD2L	-1.44	0.03	15.71	16.61	18.28	12.46	11.87
C2CD3_1	-1.12	0.46	33.26	28.96	32.51	30.24	25.88
C2CD3_2	1.05	0.88	5.16	2.88	2.87	4.30	3.28
C2CD4B	2.75	0.00	1.72	0.96	0.39	0.91	3.16
C2CD4D	-2.08	0.14	1.15	1.51	0.39	1.93	0.63
C2CD5	1.02	0.93	60.32	57.37	64.23	66.93	63.39
C2H2orf47	-1.49	0.04	8.14	8.92	10.05	7.47	5.56
C2H2orf69	-1.58	0.00	22.36	22.65	25.72	18.91	15.15
C2H2orf72	1.56	0.16	0.57	1.65	1.44	2.26	2.15
C2H2orf76	-1.21	0.72	1.95	4.67	3.13	1.70	1.77
C3	87.13	0.00	1.38	1.51	2.35	0.79	165.54
C3H1orf109	-1.01	0.95	18.12	14.69	18.54	20.27	16.92
C3H1orf122	-2.44	0.00	23.74	25.12	22.58	20.27	10.61
C3H1orf123	-1.26	0.11	28.44	32.67	27.55	31.71	25.76
C3H1orf162	1.92	0.13	0.92	0.69	0.13	0.45	1.26
C3H1orf210	5.02	0.00	0.46	0.14	0.52	0.11	1.01
C3H1orf216	1.76	0.06	1.61	0.82	2.35	2.49	3.54
C3H1orf226	7.25	0.00	0.34	0.27	0.65	0.68	4.80
C3H1orf43	-1.02	0.92	49.65	62.45	59.92	49.37	52.27
C3H1orf50	-1.40	0.06	14.10	12.35	11.88	10.76	7.70
C3H1orf52	-1.17	0.48	8.03	7.96	6.27	6.57	7.70
C3H2orf54	267.06	0.00	0.00	0.00	0.00	0.00	3.03
C3H2orf82	-1.58	0.08	202.06	459.12	233.16	184.02	154.05
C4H7orf25	-1.37	0.06	13.30	13.73	15.14	12.23	8.97
C4H7orf31	-1.12	0.93	2.18	1.78	0.78	0.68	1.26
C4H7orf49	1.48	0.04	8.37	8.65	6.27	10.19	14.77
C4H7orf55	-1.04	0.83	8.37	9.20	8.75	8.15	5.93
C4H7orf57	1.66	0.30	6.42	4.80	3.00	8.38	3.41
C4H7orf60	1.52	0.30	1.38	0.82	0.78	0.79	1.77
C4H7orf73	-1.14	0.42	212.95	238.00	192.16	194.44	202.79
C5AR2	80.97	0.00	0.57	0.14	0.13	0.34	25.63
C5H12orf10	1.12	0.67	6.19	10.71	8.35	7.93	11.49
C5H12orf29	1.06	0.78	9.06	8.92	12.40	10.87	10.86
C5H12orf45	-1.11	0.68	12.96	10.71	18.80	12.68	8.71
C5H12orf56	-4.39	0.00	3.78	1.37	2.61	2.04	0.38
C5H12orf57	1.76	0.00	12.38	11.12	14.49	13.70	22.73
C5H12orf66	1.17	0.73	1.15	1.51	0.91	1.70	1.39
C5H12orf73	-1.28	0.23	16.28	13.04	10.31	10.53	9.34
C5H12orf75	-2.38	0.00	4.13	5.35	6.92	6.23	2.15
C5H22orf23	-3.56	0.00	9.29	13.18	5.09	14.72	1.39

C6H4orf3	1.02	0.91	96.79	144.53	141.25	112.34	105.05
C6H4orf32	1.00	0.97	3.55	2.47	5.35	3.17	4.42
C6H4orf48	1.78	0.13	0.46	1.10	0.91	0.68	1.64
C7	-1.85	0.04	7.80	4.80	5.48	3.62	2.78
C7H19orf24	1.69	0.00	6.54	6.86	6.53	5.55	11.74
C7H19orf25	1.03	0.90	7.34	9.47	7.83	7.25	7.70
C7H19orf38	-2.97	0.01	38.07	67.67	13.45	23.10	5.43
C7H19orf43	-1.08	0.65	34.75	40.08	37.86	35.78	36.74
C7H19orf44	-1.42	0.12	5.73	5.35	7.57	6.34	3.54
C7H19orf52	-1.25	0.21	9.98	12.08	13.32	12.34	10.35
C7H19orf53	1.39	0.04	15.14	17.16	22.32	20.61	25.25
C7H19orf60	1.04	0.97	8.83	8.51	8.22	9.51	7.83
C7H19orf66	2.37	0.00	5.16	4.12	3.66	5.21	9.85
C7H19orf70	1.31	0.16	9.52	14.27	6.92	8.27	15.15
C7H1orf35	1.44	0.05	7.80	6.86	7.44	8.38	12.88
C7H5orf15	-1.81	0.00	587.94	709.07	600.38	635.97	213.52
C7H5orf24	1.47	0.01	24.66	24.84	31.98	29.78	35.36
C7H5orf30	-1.71	0.03	10.89	7.27	6.66	10.87	3.54
C7H5orf45	1.10	0.70	7.45	4.25	5.61	5.78	6.19
C7H5orf63	1.58	0.22	1.83	1.51	1.31	1.13	2.53
C8G	-1.14	0.54	13.76	9.06	11.10	9.29	6.19
C8H4orf27	-1.78	0.00	11.93	11.26	10.05	8.61	5.43
C8H9orf131	-1.29	0.78	1.83	0.14	2.61	2.38	2.78
C8H9orf152	9.90	0.00	2.64	0.55	0.52	3.40	27.27
C8H9orf24_1	1.87	0.16	0.69	1.10	0.39	0.79	0.76
C8H9orf3	2.02	0.00	83.60	91.28	61.10	141.67	204.68
C8H9orf40	-1.33	0.26	8.72	11.12	12.79	6.23	6.31
C8H9orf43	-1.94	0.06	2.75	1.92	1.70	3.28	0.51
C8H9orf64	1.68	0.01	4.01	3.43	3.79	3.85	6.19
C8H9orf72	1.06	0.73	13.42	9.47	19.32	18.23	13.89
C8H9orf84	-2.15	0.01	2.64	2.33	3.13	2.04	1.26
C8H9orf85	-1.09	0.98	0.57	1.51	0.26	1.13	0.88
C8H9orf91	1.41	0.04	28.10	29.65	30.42	24.12	49.50
C9H6orf120	1.33	0.04	24.20	20.18	20.37	24.01	28.03
C9H6orf163	1.01	0.98	1.38	0.96	0.91	0.79	0.76
C9H6orf203	-1.06	0.79	9.75	9.06	10.05	9.85	8.97
CA11	-1.55	0.13	2.64	3.98	3.00	4.64	1.89
CA12	6.16	0.00	54.81	24.57	36.42	26.27	353.30
CA2	1.44	0.24	4.47	2.06	3.66	3.51	4.80
CA4	1567.40	0.00	0.00	0.00	0.13	0.00	100.38
CA5B	1.76	0.20	0.46	1.10	0.52	0.79	1.14
CA8	7.64	0.00	2.29	1.78	2.35	1.25	24.87
CA9	-1.38	0.15	37.73	63.00	39.56	71.68	27.02
CAAP1	-1.26	0.35	10.21	6.59	11.23	7.25	8.59
CAB39	-1.17	0.29	46.44	49.14	51.04	50.05	42.93
CAB39L	-1.05	0.69	33.60	43.92	35.38	36.46	23.99
CABIN1	-1.08	0.69	69.72	48.59	57.83	60.25	57.58

CABLES1	1.65	0.01	6.77	8.51	9.14	6.79	9.22
CABLES2	-1.07	0.70	35.55	34.04	30.03	27.18	35.99
CACFD1	1.04	0.80	27.41	33.08	27.41	32.27	30.43
CACHD1	-1.79	0.22	3.10	1.37	3.00	6.57	1.14
CACNA1A	1.44	0.34	3.78	2.75	7.05	4.87	4.92
CACNA1B_1	-15.34	0.00	4.70	0.69	2.22	2.15	0.25
CACNA1C	5.20	0.00	4.36	2.88	3.26	6.00	17.05
CACNA1E	-3.13	0.03	11.81	3.16	26.24	5.66	4.04
CACNA1G	1.07	0.77	11.47	8.24	12.01	10.87	9.34
CACNA1H	1.04	0.87	148.16	112.41	100.39	126.49	104.42
CACNA2D1	-1.72	0.00	298.50	190.51	227.54	213.01	119.95
CACNA2D2	1.60	0.18	1.95	2.06	3.00	1.13	3.66
CACNB1	1.42	0.04	15.60	9.75	13.19	14.16	23.11
CACNB3	1.76	0.05	2.98	3.29	2.09	2.04	4.92
CACNG4	-3.40	0.00	16.28	17.71	17.88	9.85	4.04
CACUL1	-1.33	0.03	42.89	42.55	50.26	49.94	32.07
CACYBP	1.07	0.70	24.31	33.63	31.07	26.84	34.34
CAD	-1.32	0.07	78.90	66.02	86.03	68.51	51.14
CADM1	-1.70	0.01	29.36	39.80	17.23	23.21	16.92
CADM4	2.72	0.03	0.57	0.27	0.91	0.34	0.51
CAGE1	-1.42	0.62	7.68	4.12	4.31	1.25	2.65
CALCOCO1	1.96	0.00	45.41	32.80	28.98	57.75	89.65
CALCOCO2	-1.08	0.66	37.61	47.63	44.26	44.16	35.99
CALD1	1.86	0.00	111.92	91.96	91.64	108.71	152.41
CALHM2	-1.24	0.43	13.99	7.69	10.05	7.59	6.31
CALM	-1.18	0.59	4.13	3.84	5.74	2.83	5.56
CALM1	-1.63	0.00	133.25	139.73	141.77	129.21	93.82
CALM2	1.13	0.73	140.48	169.65	152.87	129.32	238.65
CALM3	-2.42	0.00	196.67	231.96	210.18	173.71	68.82
CALML4	1.16	0.51	8.60	8.10	6.53	7.36	9.34
CALR	1.39	0.06	461.34	701.93	471.14	456.37	861.27
CALU	-1.70	0.00	529.57	574.83	516.05	598.15	247.36
CAMK1	1.80	0.06	1.72	0.55	2.35	2.49	2.40
CAMK1D	1.71	0.02	9.06	12.76	4.18	23.89	22.10
CAMK1G	5.24	0.00	1.15	0.41	0.26	1.59	5.05
CAMK2D	1.07	0.78	12.50	12.08	10.84	13.02	13.13
CAMK2G	-1.50	0.02	9.86	9.61	9.79	9.06	5.43
CAMK2N1	2.68	0.00	3.90	1.51	1.96	5.66	13.76
CAMKK1	-1.45	0.30	2.64	2.20	1.57	3.40	0.76
CAMKK2	-2.34	0.00	11.70	7.96	10.18	9.06	4.42
CAMKMT	1.03	0.99	2.52	1.37	2.61	2.15	3.41
CAMLG	-1.04	0.87	21.67	24.43	23.37	16.65	21.84
CAMSAP1	-1.41	0.01	42.31	44.88	50.39	43.15	30.68
CAMSAP2	-1.17	0.31	155.73	147.41	136.29	166.47	123.24
CAMSAP3	1.06	0.81	4.13	2.61	2.22	1.59	3.16
CAMTA1	1.15	0.66	3.78	2.47	4.31	2.04	3.28
CAMTA2	-1.17	0.33	32.80	24.57	30.03	30.12	27.65

CAND1	-1.28	0.09	97.24	93.06	109.01	91.50	66.80
CAND2	-1.84	0.00	12.38	8.37	13.32	13.48	5.30
CANT1	-1.63	0.00	58.03	74.53	73.63	61.60	34.72
CANX	1.04	0.83	572.57	563.44	617.87	484.79	571.24
CAP1	1.18	0.27	45.07	60.12	48.95	46.88	58.59
CAPG	4.10	0.00	5.62	10.98	3.39	14.95	46.85
CAPN1	1.31	0.09	14.79	16.06	12.27	12.00	18.31
CAPN10	-1.08	0.78	9.17	15.92	8.75	7.02	7.07
CAPN11	-3.06	0.00	3.78	2.88	4.44	3.74	1.14
CAPN15	1.07	0.70	34.29	23.75	27.94	24.23	32.96
CAPN2	1.16	0.43	158.02	167.18	127.54	197.50	170.71
CAPN5	2.01	0.05	5.28	3.98	3.79	8.95	4.80
CAPN6	1.56	0.00	656.63	721.70	597.25	822.48	1067.47
CAPN7	-1.56	0.00	95.75	73.16	77.15	91.61	40.66
CAPNS1	-1.18	0.34	126.83	146.86	120.49	104.18	110.61
CAPRIN1	-1.16	0.34	225.22	237.18	237.07	216.75	163.26
CAPRIN2	-2.11	0.00	23.28	16.61	25.46	21.86	8.97
CAPS	-1.76	0.01	43.69	46.67	44.65	60.25	12.63
CAPS2	-2.05	0.20	1.83	2.88	0.26	0.11	0.00
CAPZA1	1.24	0.16	88.53	97.18	93.73	95.69	123.36
CAPZA2	1.05	0.79	28.67	35.96	30.29	29.10	30.05
CAPZB	1.28	0.12	58.03	88.26	63.84	68.97	99.88
CARD10	-1.21	0.66	1.03	1.65	1.57	2.15	1.01
CARD19	-1.20	0.33	13.88	16.75	15.14	20.61	10.35
CARD6	1.11	0.92	0.80	1.65	1.31	1.70	1.39
CARF	-1.05	0.82	16.51	14.14	14.88	19.48	15.53
CARHSP1	1.08	0.85	50.34	48.59	45.43	31.59	68.94
CARKD	1.25	0.12	25.46	22.10	20.76	24.12	32.45
CARM1	1.05	0.76	63.07	79.88	69.32	61.94	75.13
CARNMT1	1.05	0.84	17.32	20.45	19.97	20.38	16.41
CARNS1	-1.89	0.01	9.06	5.63	7.57	5.21	2.78
CARS	1.52	0.01	19.15	23.47	19.45	20.72	41.54
CARS2	1.36	0.06	13.65	14.82	12.92	15.74	16.41
CASC1	1.21	0.61	2.06	1.37	1.17	1.59	1.39
CASC3	1.01	0.95	72.47	54.08	63.18	61.49	58.08
CASC4	-1.87	0.00	196.32	201.08	217.62	181.19	90.16
CASC5	-3.21	0.00	120.87	107.88	107.83	104.07	27.02
CASD1	-1.07	0.67	34.98	41.04	38.51	41.33	32.70
CASK	-1.21	0.19	77.86	66.02	76.37	76.21	55.43
CASKIN1	-4.20	0.00	19.38	15.24	18.28	11.89	4.04
CASKIN2	-2.02	0.00	98.39	103.63	81.46	96.37	38.89
CASP2	-1.18	0.36	18.12	17.02	13.71	13.70	13.26
CASP3	4.82	0.00	18.35	20.18	25.06	20.72	115.66
CASP4	46.50	0.00	0.69	0.96	1.44	0.45	59.35
CASP6	1.59	0.03	7.22	7.14	5.22	9.17	13.01
CASP7	3.09	0.01	9.63	4.94	9.40	6.91	45.20
CASP8	7.49	0.00	2.18	2.61	2.35	2.49	23.49

CASP8AP2	-1.12	0.55	30.27	32.12	38.38	44.50	28.16
CASP9	1.38	0.11	9.52	4.39	11.36	8.49	13.13
CAST	1.48	0.01	60.32	47.90	55.61	62.17	102.53
CAT	1.13	0.42	58.37	68.22	54.57	60.70	59.72
CATIP	26.94	0.00	0.23	0.00	0.00	0.11	3.54
CATSPER2	1.14	0.83	1.95	0.96	1.96	1.13	0.88
CATSPERD	-1.18	0.36	48.74	37.47	52.22	55.83	38.13
CATSPERG	-1.05	0.77	33.03	21.96	29.50	32.50	29.42
CAV1	1.42	0.12	19.49	10.43	31.07	10.08	28.16
CAV2	-1.34	0.17	12.50	9.20	12.01	7.70	8.97
CBARP	1.14	0.78	1.61	1.10	2.09	1.25	1.14
CBFA2T2	-1.37	0.02	53.32	39.53	42.69	49.94	31.06
CBFA2T3	1.66	0.14	1.61	0.69	1.70	4.87	3.54
CBFB	-1.41	0.02	46.90	47.49	33.55	47.45	27.15
CBL	1.36	0.06	22.02	18.80	17.62	24.57	28.28
CBLB	1.19	0.57	4.36	3.57	4.83	6.91	6.94
CBLL1	1.11	0.68	9.06	7.96	5.48	7.25	10.73
CBLN3	2.18	0.08	0.80	0.27	0.91	0.34	1.64
CBR1_1	-2.00	0.15	2.29	0.69	1.57	1.02	0.38
CBR3	13.45	0.00	0.00	0.14	0.13	0.45	1.64
CBR4	-1.23	0.30	21.33	36.24	28.46	25.93	17.42
CBS	1.48	0.20	12.84	13.45	20.37	11.55	22.22
CBWD2	-1.35	0.10	19.84	18.26	28.07	18.80	13.01
CBX2	-1.15	0.74	0.80	1.24	0.52	1.13	0.63
CBX3	-1.18	0.29	42.09	51.20	39.29	47.79	34.72
CBX4	1.66	0.00	18.69	12.35	14.49	11.21	27.91
CBX5	-1.35	0.02	38.65	39.39	35.51	44.62	31.95
CBX6	-1.38	0.07	85.66	72.47	70.76	92.18	56.95
CBX7	1.42	0.15	6.77	6.18	2.87	5.10	9.85
CBX8	-1.36	0.21	4.70	7.27	6.79	5.21	3.66
CBY1	-1.67	0.00	19.61	15.78	16.45	14.83	8.21
CC2D1A	-1.01	0.95	21.90	19.08	25.46	25.82	21.21
CC2D1B	1.42	0.26	24.20	10.02	33.16	25.82	45.96
CC2D2A	-1.17	0.38	25.46	17.71	22.32	22.99	16.67
CC2D2B	-1.50	0.09	26.95	20.04	12.14	15.40	15.66
CCAR1	-1.00	0.99	46.21	51.06	54.96	58.66	49.88
CCAR2	-1.09	0.61	134.05	125.86	124.28	134.08	105.31
CCBL1_1	1.48	0.18	3.33	2.47	1.83	4.30	5.81
CCBL1_2	1.33	0.40	3.44	1.10	2.09	4.08	4.67
CCBL2	1.06	0.78	10.66	12.35	10.84	9.85	12.50
CCDC102A	-1.39	0.05	21.33	19.63	20.37	14.50	13.89
CCDC103	-1.70	0.21	4.70	2.88	2.61	1.25	1.77
CCDC106	1.16	0.43	8.37	15.65	10.18	10.08	12.12
CCDC107	1.64	0.06	4.13	3.16	6.27	3.96	5.93
CCDC109B	1.08	0.79	26.38	45.71	22.19	37.71	24.75
CCDC110	-1.11	0.72	7.34	3.57	4.96	7.47	7.45
CCDC112	1.77	0.02	4.47	2.61	4.70	2.72	7.45

CCDC114	-1.17	0.51	8.37	7.27	6.14	6.12	5.18
CCDC115	-1.61	0.02	15.14	15.10	14.36	8.61	7.45
CCDC117	1.54	0.01	35.32	39.53	37.73	31.93	59.98
CCDC12	-1.23	0.23	26.03	36.37	29.76	28.20	33.97
CCDC120	1.19	0.29	18.12	16.47	16.32	14.83	22.48
CCDC121	-1.23	0.53	2.75	4.39	3.92	2.49	3.16
CCDC124	1.05	0.78	10.32	15.92	9.79	8.72	13.51
CCDC125	-1.08	0.74	6.65	7.82	8.49	8.15	6.06
CCDC126	-2.03	0.01	13.07	14.96	28.59	9.17	6.57
CCDC127	1.05	0.79	22.48	20.59	20.10	24.35	22.98
CCDC130	1.25	0.30	5.28	10.29	7.96	5.66	8.46
CCDC134	-1.66	0.04	4.47	5.08	4.44	5.89	1.77
CCDC136	1.66	0.24	2.87	1.24	1.31	1.02	2.78
CCDC137	-1.17	0.66	7.34	14.41	6.53	8.15	7.95
CCDC138	1.55	0.04	3.55	3.29	4.83	3.40	5.43
CCDC14	-1.15	0.53	37.96	22.78	40.21	30.01	31.31
CCDC142	-1.38	0.05	15.60	11.39	13.58	15.17	9.85
CCDC149	1.49	0.05	5.39	4.12	3.92	6.68	6.69
CCDC15	1.02	0.89	26.38	19.08	23.50	23.78	24.62
CCDC150	1.84	0.03	1.61	1.78	1.96	2.04	3.66
CCDC151	-2.30	0.03	2.64	1.78	2.22	0.91	0.76
CCDC155	1.47	0.47	1.26	0.41	1.04	1.13	1.14
CCDC157	1.94	0.07	0.80	0.69	1.17	1.02	1.39
CCDC159	-1.08	0.89	1.49	0.41	0.78	0.91	1.14
CCDC160	-1.25	0.51	1.83	2.75	3.26	2.38	2.02
CCDC166	-1.09	0.86	2.98	0.82	2.87	2.15	2.53
CCDC167	-1.36	0.34	7.00	15.78	8.75	6.45	6.44
CCDC170	1.42	0.70	0.57	0.14	1.44	1.13	1.64
CCDC171	-1.50	0.12	6.19	4.25	5.74	5.78	2.15
CCDC173	-1.61	0.00	49.65	59.02	61.88	57.30	31.31
CCDC174	1.25	0.24	7.22	9.33	8.35	8.27	10.99
CCDC18	-1.90	0.00	34.29	27.45	30.94	29.10	11.62
CCDC183	1.30	0.46	1.38	1.51	2.61	1.59	2.40
CCDC184	-1.10	0.81	5.05	8.24	7.70	4.19	5.93
CCDC186	-1.26	0.09	54.47	50.37	62.92	59.45	43.44
CCDC187	-2.17	0.00	27.18	17.16	9.79	27.86	9.98
CCDC188	-3.44	0.00	5.50	2.33	5.87	4.19	1.39
CCDC189	-1.09	0.84	1.83	1.65	2.61	1.70	2.02
CCDC190	1.07	0.90	7.57	1.24	4.83	1.36	8.33
CCDC191	1.09	0.70	12.96	11.26	8.49	11.44	12.63
CCDC22	1.43	0.06	5.16	8.10	6.92	5.44	9.60
CCDC24	2.53	0.03	0.34	0.27	0.65	0.79	0.76
CCDC25	-1.15	0.49	9.40	12.76	12.92	11.32	9.22
CCDC28A	1.29	0.34	3.33	2.06	4.18	5.10	5.30
CCDC28B	1.28	0.13	11.47	16.20	16.19	17.55	21.09
CCDC3	-6.91	0.00	22.82	19.35	17.23	54.13	3.79
CCDC30	1.25	0.64	2.06	1.51	1.83	3.17	3.41

CCDC34	-2.12	0.01	3.78	3.84	3.79	1.93	1.26
CCDC36	1.46	0.17	2.87	3.43	3.26	1.59	5.30
CCDC40	1.19	0.58	7.57	3.71	4.05	5.66	8.33
CCDC43	1.09	0.63	18.81	19.76	16.97	17.89	18.94
CCDC47	-1.16	0.38	69.38	64.92	85.64	59.57	54.80
CCDC50	1.25	0.20	13.65	13.45	16.58	17.10	19.82
CCDC51	1.08	0.70	13.88	11.67	12.14	12.23	12.75
CCDC53	1.42	0.06	5.16	7.96	6.40	7.13	9.60
CCDC57	1.02	0.82	28.55	15.37	15.14	26.61	23.36
CCDC58	-1.15	0.64	6.19	10.02	10.31	6.34	5.56
CCDC59	-1.20	0.29	16.97	23.61	16.84	18.57	15.66
CCDC6	-1.23	0.22	154.35	110.77	134.33	146.88	101.65
CCDC60	4.08	0.00	1.49	1.37	0.00	1.81	6.06
CCDC61	-1.40	0.09	20.41	33.35	20.50	21.97	11.49
CCDC62	-1.72	0.02	10.44	5.22	9.27	8.49	5.56
CCDC64	2.77	0.00	0.80	1.37	0.52	1.13	2.78
CCDC66	-1.26	0.27	19.27	11.67	13.71	13.14	14.77
CCDC68	29.25	0.00	0.11	0.00	0.26	0.00	6.31
CCDC71	1.20	0.35	7.80	12.35	7.44	8.83	9.09
CCDC77	-1.19	0.34	19.61	13.86	16.58	16.65	10.86
CCDC78	-1.23	0.45	3.44	4.39	5.22	4.42	2.78
CCDC8	-1.13	0.47	163.76	159.08	193.99	149.25	117.43
CCDC80	1.36	0.20	87.61	175.28	92.82	105.43	155.69
CCDC82	1.04	0.84	31.99	34.59	28.72	30.12	28.16
CCDC84	-1.21	0.56	6.54	3.43	6.40	4.64	2.65
CCDC85B	1.88	0.00	6.42	14.41	6.14	8.49	20.08
CCDC85C	1.73	0.02	3.10	1.78	3.52	2.60	5.56
CCDC86	1.25	0.39	4.82	6.04	4.44	4.76	6.94
CCDC87	1.46	0.37	1.03	1.37	0.26	0.23	1.52
CCDC88A	1.28	0.10	155.27	136.02	139.16	197.04	191.80
CCDC88B	-1.51	0.28	1.61	1.92	3.00	1.36	1.64
CCDC9	1.77	0.00	16.97	11.94	8.88	15.74	31.19
CCDC90B	1.01	0.94	19.04	15.92	18.15	16.31	18.69
CCDC91_1	-1.24	0.26	15.71	11.26	10.57	12.34	10.86
CCDC91_2	1.01	0.97	5.73	3.98	6.79	5.10	6.31
CCDC92	-1.26	0.52	2.64	3.84	1.83	2.60	1.77
CCDC93	1.15	0.43	19.84	22.24	16.97	19.48	18.44
CCDC94	-1.26	0.35	8.72	9.20	5.48	6.68	5.43
CCDC97	-1.04	0.87	24.77	18.53	18.28	19.59	21.09
CCER2	1.51	0.47	0.92	1.37	0.78	0.57	2.27
CCHCR1	-2.03	0.00	28.90	35.27	26.76	27.52	11.11
CCL2	14.36	0.00	1.49	2.75	0.78	0.91	29.55
CCL20	430.38	0.00	1.49	5.49	1.31	0.34	1407.51
CCL25	-1.46	0.06	6.42	7.14	7.70	7.36	4.42
CCL5	25.48	0.00	0.23	0.00	0.52	0.00	9.72
CCM2	1.25	0.28	15.37	17.02	12.27	15.85	26.14
CCNA1	-2.30	0.00	14.68	14.14	12.66	5.44	4.92

CCNA2	-2.92	0.00	29.13	31.29	23.50	21.74	6.44
CCNB1	-2.83	0.00	28.90	37.33	24.80	21.06	10.61
CCNB1IP1	1.45	0.17	4.01	2.06	3.66	3.85	3.79
CCNB2	-2.49	0.00	26.60	37.33	23.76	23.10	7.32
CCNB3	-1.79	0.00	15.37	15.92	15.53	11.89	8.71
CCNC	1.19	0.24	25.34	21.27	30.29	23.89	31.95
CCND2	-1.08	0.75	19.95	17.16	16.06	30.12	17.42
CCND3	-1.64	0.00	76.72	69.86	78.07	60.13	36.62
CCNDBP1	1.28	0.08	31.08	34.45	28.85	31.03	45.58
CCNE1	-1.48	0.17	2.98	2.75	3.26	2.60	1.52
CCNE2	-2.02	0.00	3.21	3.16	4.05	3.74	1.77
CCNF	-2.99	0.00	61.12	52.16	42.95	39.18	15.28
CCNG1	2.34	0.00	41.05	49.14	64.36	49.03	118.44
CCNG2	-1.04	0.78	18.12	16.47	14.75	17.10	16.67
CCNH	1.01	1.00	7.91	6.31	5.48	7.59	6.57
CCNI	1.13	0.44	118.92	170.34	186.94	137.36	160.61
CCNI2	-1.16	0.79	1.26	0.69	1.70	2.26	1.14
CCNK	-1.13	0.45	36.58	30.06	33.68	32.84	30.56
CCNL1	1.61	0.00	39.91	26.08	38.38	39.64	60.61
CCNL2	1.27	0.15	87.84	73.02	91.64	91.50	103.29
CCNT1	-1.19	0.33	23.97	17.16	21.41	25.37	21.59
CCNT2	1.23	0.14	58.60	52.71	58.09	65.00	69.32
CCNY	-1.08	0.64	62.04	53.80	50.00	47.22	50.51
CCNYL1	1.15	0.41	18.46	16.61	24.41	18.12	25.63
CCP110	-1.58	0.01	41.86	30.47	36.03	53.00	23.86
CCPG1	1.13	0.41	121.10	121.47	114.49	131.70	134.98
CCR10	-1.43	0.38	1.61	0.96	1.17	1.36	0.25
CCS	1.03	0.88	11.01	10.57	18.67	14.61	13.26
CCSAP	-1.77	0.01	50.80	49.41	21.93	40.54	24.37
CCSER1	2.23	0.00	3.67	3.98	2.35	6.34	6.94
CCSER2	-1.06	0.72	42.43	36.65	40.21	40.88	38.51
CCT2	1.04	0.79	46.67	56.28	56.66	49.94	55.81
CCT3	1.43	0.01	50.34	69.04	61.10	55.38	86.37
CCT4	1.17	0.30	49.08	58.33	58.48	53.90	62.12
CCT5	-1.11	0.56	49.31	63.00	61.49	45.98	48.61
CCT6A	-1.30	0.07	71.79	81.53	91.51	74.63	59.22
CCT6B	-1.38	0.30	2.41	3.16	3.92	2.38	1.89
CCT7	-1.14	0.44	65.14	82.22	75.85	64.89	63.51
CCT8	-1.27	0.08	26.38	31.57	28.85	29.10	23.23
CCZ1	1.27	0.37	16.51	18.80	16.58	27.40	20.33
CD109	-1.21	0.38	834.95	1286.37	830.40	1287.01	747.76
CD14	27.01	0.00	2.64	3.29	1.57	6.45	157.71
CD151	2.25	0.00	77.52	103.08	97.13	67.49	220.21
CD160	-1.29	0.57	1.38	1.51	0.65	2.15	1.89
CD163	-2.10	0.20	0.92	1.37	2.09	0.23	0.13
CD164	-1.08	0.65	179.24	199.30	195.56	184.13	163.39
CD24	-2.52	0.00	86.69	125.18	118.67	100.22	23.99

CD247	1.32	0.40	2.98	2.75	2.87	2.72	5.30
CD248	1.36	0.54	2.87	4.25	4.83	0.79	2.02
CD276	1.39	0.06	125.34	162.51	114.23	197.84	239.78
CD2AP	1.18	0.32	55.50	76.18	69.97	57.64	63.01
CD2BP2	1.20	0.25	19.72	26.08	20.37	19.82	25.63
CD302	2.75	0.00	51.49	41.31	58.22	51.30	168.95
CD320	1.72	0.00	5.85	9.75	6.79	8.38	13.38
CD34	1.43	0.18	6.19	2.33	4.18	5.55	6.19
CD3EAP	-1.18	0.45	7.34	8.24	7.18	7.59	4.92
CD40	12.96	0.00	2.18	2.75	2.22	1.47	41.79
CD44	79.14	0.00	4.24	5.90	4.96	4.64	482.85
CD46	1.69	0.00	168.34	158.67	157.18	203.61	307.34
CD47	2.84	0.00	138.07	142.34	118.01	181.30	496.23
CD55	16.11	0.00	1.38	0.69	1.44	1.36	20.33
CD58	1.19	0.30	87.04	85.24	85.64	107.01	120.21
CD59	1.57	0.01	13.99	17.98	16.06	16.87	20.46
CD63	1.14	0.50	202.06	297.02	235.77	213.80	306.58
CD68	-1.22	0.60	3.33	2.47	3.79	1.81	2.02
CD74	2.29	0.11	0.80	1.10	1.31	0.45	3.79
CD80	129.97	0.00	0.11	0.00	0.00	0.00	4.29
CD81	1.41	0.02	109.06	127.10	107.70	147.33	170.08
CD82	2.09	0.00	65.48	73.02	64.10	41.33	197.86
CD9	3.96	0.00	102.75	100.75	88.12	161.26	517.07
CD93	1.25	0.65	2.75	3.29	13.84	3.96	3.66
CD99	-1.40	0.02	663.97	914.13	813.43	732.91	522.50
CD99L2	-1.16	0.29	50.80	50.37	45.69	52.32	37.00
CDA	58.26	0.00	0.57	1.78	0.91	3.28	152.91
CDADC1	1.56	0.00	11.01	13.04	13.32	11.44	17.42
CDAN1	-2.05	0.00	52.06	37.88	43.73	40.65	17.55
CDC123	1.12	0.52	16.86	25.12	21.02	19.70	21.09
CDC14A	1.30	0.39	3.33	1.24	1.31	2.72	3.28
CDC14B	-1.08	0.79	4.36	4.94	3.00	5.78	5.05
CDC16	-1.13	0.45	22.71	19.35	23.63	22.54	19.32
CDC20	-2.79	0.00	60.55	72.20	47.91	41.90	16.41
CDC23	-2.04	0.00	23.28	21.27	23.24	18.91	6.57
CDC25A	-3.52	0.00	20.30	19.08	24.41	17.21	4.55
CDC25B	-1.89	0.00	46.33	51.88	35.90	35.33	22.10
CDC25C	-2.13	0.00	9.75	7.14	6.40	8.49	4.29
CDC26	1.11	0.64	8.14	6.59	8.49	9.51	9.34
CDC27	-1.36	0.05	107.45	99.24	75.33	75.19	66.54
CDC34	-1.09	0.60	19.61	20.18	21.28	18.91	18.56
CDC37	-1.01	0.95	56.19	71.10	59.79	54.70	64.14
CDC37L1	-1.07	0.69	12.73	12.35	14.49	12.68	15.66
CDC40	1.00	0.99	25.00	25.67	24.41	25.71	25.63
CDC42	-1.03	0.90	137.84	164.85	148.17	132.38	142.81
CDC42BPA_2	1.19	0.33	109.97	102.12	93.73	127.40	146.98
CDC42BPB	1.12	0.48	142.66	141.92	137.46	138.50	159.35

CDC42BPG	-1.06	0.76	14.79	10.57	11.88	12.12	8.84
CDC42EP1	4.12	0.00	22.36	25.80	27.81	24.91	126.90
CDC42EP3	1.56	0.01	28.78	21.00	37.99	25.14	56.69
CDC42EP4	-1.11	0.53	51.03	50.37	42.69	43.71	36.49
CDC42EP5	-1.14	0.44	119.95	114.61	131.20	100.56	126.77
CDC42SE1	1.16	0.34	82.34	77.69	65.01	79.27	93.06
CDC42SE2	-1.17	0.44	33.71	39.80	42.95	25.48	34.98
CDC45	-2.19	0.00	30.04	28.14	29.11	26.95	9.09
CDC5L	1.91	0.00	11.01	15.24	11.23	11.32	26.26
CDC6	-3.90	0.00	17.20	19.63	18.02	15.63	2.02
CDC7	-1.14	0.40	41.63	35.82	45.82	45.52	31.44
CDC73	-1.02	0.90	52.18	47.35	47.91	46.43	48.61
CDCA2	-2.57	0.00	20.99	28.55	21.02	18.12	7.07
CDCA3	-3.14	0.00	45.53	48.73	36.42	28.65	9.85
CDCA4	-2.26	0.00	69.38	81.39	65.66	70.10	20.08
CDCA5	-2.97	0.00	9.63	9.20	9.40	8.38	2.02
CDCA7	-2.39	0.00	43.12	45.29	56.53	39.64	11.36
CDCA7L	-1.84	0.00	16.40	18.26	16.19	14.16	6.19
CDCA8	-2.90	0.00	33.14	47.08	38.25	34.43	8.97
CDCP1	1.88	0.00	23.16	19.49	18.02	9.85	31.06
CDH11	-1.56	0.01	71.67	92.37	103.39	93.88	32.58
CDH13	-1.87	0.00	14.79	14.55	25.46	21.18	6.19
CDH15	12.95	0.00	0.34	1.92	0.65	3.74	21.09
CDH2	-1.68	0.36	0.46	1.78	0.52	1.02	0.25
CDH20	-4.15	0.00	6.19	3.71	5.22	1.36	0.63
CDH23	2.93	0.00	3.90	1.37	4.18	3.85	11.62
CDH24	-1.59	0.06	8.37	4.53	5.74	5.55	3.66
CDH3	1.05	0.80	12.61	9.33	12.01	14.16	14.39
CDH5	1.08	0.98	2.29	1.37	6.14	3.51	1.52
CDH7	1.22	0.57	1.03	0.96	4.44	2.49	3.16
CDIP1	1.24	0.26	18.46	28.69	24.80	17.10	30.30
CDIPT	1.45	0.03	9.98	16.06	12.92	12.91	18.56
CDK1	-3.37	0.00	48.39	52.71	44.12	32.73	9.98
CDK10	1.22	0.32	11.35	14.00	10.44	10.76	12.50
CDK11B	-1.09	0.62	35.55	45.43	39.82	41.56	38.64
CDK12	-1.00	0.98	45.30	40.22	48.43	47.56	49.24
CDK13	-1.17	0.27	52.64	50.78	50.00	48.58	44.32
CDK14	-1.73	0.00	18.58	18.12	20.63	21.06	11.74
CDK16	-1.43	0.01	62.84	74.94	67.36	65.57	43.69
CDK17	1.10	0.63	32.11	30.47	31.98	33.52	37.38
CDK18	-1.32	0.19	6.54	6.86	5.74	7.36	4.92
CDK19	-1.12	0.47	36.93	42.55	39.56	35.22	31.82
CDK2	-1.46	0.01	22.48	26.49	28.46	22.42	15.91
CDK20	1.07	0.76	13.19	11.94	13.58	13.70	14.52
CDK2AP1	-3.18	0.00	231.99	300.45	262.92	217.99	56.69
CDK2AP2	2.74	0.00	3.78	4.80	2.87	4.98	14.52
CDK3	1.52	0.05	8.03	6.45	8.49	6.91	7.70

CDK4	-1.20	0.23	41.97	54.49	42.30	41.22	35.10
CDK5	-1.45	0.05	10.55	15.10	11.75	13.25	5.18
CDK5RAP1	1.01	0.99	13.30	11.94	13.05	14.61	9.09
CDK5RAP2	-1.35	0.08	399.76	480.54	518.27	382.20	229.93
CDK5RAP3	-1.33	0.04	33.71	38.16	34.46	34.54	22.48
CDK6	-1.45	0.01	19.61	20.31	22.85	19.36	14.02
CDK7	1.63	0.00	7.45	6.31	7.96	7.70	11.11
CDK8	1.12	0.56	9.86	11.39	10.18	11.55	10.86
CDK9	1.07	0.67	57.80	57.24	45.17	66.25	62.88
CDKL1	-1.12	0.53	14.10	13.73	12.92	16.08	12.12
CDKL1	-4.19	0.00	7.57	4.94	10.05	6.00	1.14
CDKL2	-1.10	0.78	7.22	4.94	4.44	3.74	6.31
CDKL5	1.30	0.18	8.14	7.41	9.79	7.36	11.24
CDKN1A	12.34	0.00	7.57	7.55	7.31	12.68	137.88
CDKN1B	-1.01	0.94	33.26	33.63	34.73	29.22	30.94
CDKN1C	-1.23	0.25	22.02	27.04	30.68	22.54	15.91
CDKN2AIP	1.22	0.25	17.89	17.57	14.62	20.95	19.82
CDKN2AIPNL	-1.18	0.26	29.13	33.63	28.07	30.12	25.00
CDKN2B	6.54	0.00	0.57	0.55	0.13	0.34	2.90
CDKN2C	-3.51	0.00	90.71	125.86	79.63	65.00	16.41
CDKN2D	-2.37	0.00	19.49	26.08	18.80	11.44	5.93
CDKN3	-2.74	0.00	9.86	17.57	8.35	9.51	2.90
CDNF	1.28	0.63	1.15	1.10	1.96	0.91	1.26
CDO1	5.86	0.00	43.46	30.20	38.77	39.41	330.70
CDON	-1.82	0.00	269.26	275.34	204.44	441.53	116.04
CDPF1	1.04	0.85	8.94	9.47	13.32	14.04	12.25
CDR2	-1.52	0.01	51.37	56.96	53.00	46.09	21.34
CDR2L	-1.17	0.66	1.72	1.37	1.96	1.70	1.01
CDRT4	-1.19	0.75	1.15	0.41	1.31	1.13	0.63
CDS2	-1.77	0.00	60.78	71.79	74.54	74.17	35.61
CDT1	-3.07	0.00	19.04	14.27	12.14	13.02	2.02
CDV3	1.04	0.84	94.38	84.82	94.38	87.31	90.53
CDYL	1.31	0.09	21.56	19.08	18.93	24.35	29.93
CDYL2	1.59	0.13	3.21	2.20	2.61	2.60	5.93
CEBPA	3.41	0.00	0.92	1.10	1.57	1.70	4.80
CEBPD	52.89	0.00	12.61	10.84	10.84	13.02	850.29
CEBPG	-1.11	0.63	8.83	11.12	12.27	9.17	9.60
CEBPZ	1.27	0.08	49.88	43.92	42.95	54.02	62.12
CECR5_1	1.01	0.98	9.75	8.65	8.88	10.64	9.72
CECR5_2	1.09	0.80	6.31	5.76	4.31	5.55	5.30
CECR6	-1.34	0.92	1.15	0.27	0.13	2.15	0.51
CELF1	-1.02	0.92	19.72	19.22	18.93	16.65	18.56
CELF6	1.13	0.58	10.09	6.04	14.49	5.32	13.64
CELSR1	1.51	0.89	0.34	2.61	1.57	1.59	5.43
CELSR2	2.08	0.08	0.92	0.14	0.00	1.36	1.64
CEMIP	3.54	0.00	7.91	5.35	9.27	5.78	26.77
CENPA	-2.87	0.00	17.32	24.02	12.14	13.25	6.31

CENPB	-1.11	0.51	55.73	64.51	56.53	60.02	57.33
CENPBD1	-1.13	0.57	11.81	8.37	10.18	9.17	8.08
CENPC	-1.46	0.00	36.35	33.90	39.56	36.46	23.61
CENPE	-3.15	0.00	61.12	74.53	62.66	60.36	14.52
CENPF	-2.37	0.00	213.41	258.59	214.36	213.24	64.27
CENPH	-2.78	0.00	18.35	19.22	18.02	19.25	4.17
CENPI	-1.99	0.00	34.29	31.71	29.76	28.76	12.50
CENPJ	-1.58	0.01	12.50	10.98	12.53	12.68	6.06
CENPK	-4.02	0.00	26.49	26.22	24.54	22.65	3.03
CENPL	-1.57	0.02	19.61	15.92	14.49	10.98	9.72
CENPM	-2.71	0.00	18.46	22.24	15.27	18.46	6.44
CENPN	-2.68	0.00	2.64	3.84	2.87	3.06	0.88
CENPO	-1.82	0.00	17.77	15.78	18.15	17.78	7.58
CENPP	-2.90	0.00	4.24	4.53	3.13	2.83	0.51
CENPQ	-2.89	0.00	16.17	14.96	13.84	13.70	2.78
CENPT	-2.53	0.00	58.25	42.96	50.65	44.16	12.12
CENPU	-2.87	0.00	23.28	24.29	26.63	23.89	6.94
CENPV	-2.74	0.00	5.16	4.25	5.48	5.66	1.52
CENPW_1	-2.62	0.00	2.41	3.43	3.00	2.26	0.63
CENPW_2	-3.66	0.00	3.90	4.53	3.00	3.96	0.25
CEP104	-1.09	0.58	45.76	42.41	48.04	41.56	36.49
CEP112	-1.19	0.40	8.37	9.61	10.84	11.55	6.44
CEP120	-1.09	0.67	44.95	41.04	53.00	61.38	44.83
CEP126	-1.24	0.48	9.17	7.00	4.83	4.98	5.81
CEP128	-1.75	0.15	1.61	2.06	2.48	1.02	0.88
CEP131	-1.41	0.04	20.53	13.73	14.62	15.51	11.49
CEP135	-1.26	0.23	10.55	7.96	10.57	11.66	7.95
CEP152	-1.85	0.00	18.00	17.98	22.85	14.72	9.34
CEP162_1	1.27	0.61	1.83	0.55	2.61	2.26	1.01
CEP162_2	1.15	0.53	9.06	6.31	12.79	20.50	12.12
CEP164	1.11	0.54	44.95	24.29	27.55	40.54	39.27
CEP170	-1.18	0.26	131.76	119.69	126.63	123.89	100.76
CEP170B	1.51	0.00	45.07	49.96	59.92	35.67	79.17
CEP19	1.07	0.77	6.31	6.04	7.05	4.19	6.06
CEP192	-1.42	0.00	69.26	60.80	68.80	69.08	46.21
CEP250	-1.37	0.06	49.31	43.51	37.47	52.88	21.59
CEP290	-1.23	0.22	20.53	19.22	26.11	25.14	17.30
CEP295	-1.20	0.31	74.88	54.35	75.59	85.39	50.25
CEP350	-1.08	0.68	80.16	76.59	84.85	94.10	78.92
CEP41	-1.69	0.01	11.12	14.69	12.01	12.34	4.29
CEP44	-1.39	0.04	13.99	11.80	12.27	11.66	8.71
CEP55	-2.62	0.00	29.70	27.31	25.72	18.35	7.95
CEP57	-1.08	0.70	17.55	20.59	15.01	19.82	15.15
CEP57L1	-1.33	0.19	6.65	5.76	5.48	7.02	4.17
CEP63	-1.12	0.58	11.12	10.29	9.66	13.14	11.87
CEP68	1.13	0.56	66.05	79.75	76.50	64.21	93.69
CEP70	-1.44	0.04	14.22	18.94	25.06	21.06	11.87

CEP72	-3.09	0.00	17.43	20.59	10.31	15.06	3.54
CEP76	-1.05	0.82	15.83	12.35	14.23	15.74	15.40
CEP78	-1.04	0.77	11.12	9.06	8.75	9.63	6.94
CEP83	-1.36	0.33	10.44	14.14	29.90	15.74	9.47
CEP85	-1.58	0.00	63.87	59.98	54.83	70.55	29.29
CEP85L	-1.18	0.26	34.98	31.71	37.34	40.20	32.70
CEP89	-1.20	0.28	14.10	13.59	15.80	16.08	12.50
CEP95	-1.18	0.37	50.57	31.02	42.95	42.35	33.71
CEP97	-1.49	0.01	20.87	21.82	27.55	26.61	16.29
CEPT1	1.22	0.19	24.66	21.14	21.41	26.61	24.62
CERCAM	-1.10	0.77	137.95	73.43	76.63	117.89	98.11
CERK	1.48	0.01	16.05	22.51	15.93	22.42	26.14
CERS1	-1.72	0.00	22.71	21.55	27.94	30.80	14.65
CERS2	1.44	0.01	148.62	146.86	118.54	150.61	193.69
CERS4	-2.56	0.01	1.83	2.06	1.44	2.26	1.14
CERS5	-1.26	0.15	27.18	26.35	23.37	19.70	17.55
CERS6	-1.36	0.40	1.72	2.61	3.26	1.59	1.89
CES2	-1.67	0.00	15.60	17.84	16.32	15.51	8.59
CETN2	-1.18	0.34	29.70	41.86	42.30	34.54	27.27
CETN3	-1.25	0.13	24.43	21.41	23.50	22.54	19.07
CETN4	-1.35	0.08	12.50	18.26	15.27	16.42	10.35
CFAP100	1.69	0.31	0.46	0.41	0.26	1.13	1.52
CFAP126	-1.09	0.70	7.11	6.59	5.74	6.91	7.45
CFAP157	-2.60	0.00	3.10	2.75	2.09	2.60	1.01
CFAP20	-1.48	0.01	16.86	19.63	21.28	16.65	11.36
CFAP36	-1.29	0.08	54.01	70.55	62.53	59.79	45.20
CFAP43	2.21	0.01	1.49	1.10	0.65	0.91	2.40
CFAP44	-2.48	0.01	9.40	3.43	4.57	11.21	2.65
CFAP47	1.19	0.60	2.52	1.37	0.26	2.04	2.65
CFAP53	1.61	0.10	1.83	2.33	2.48	2.83	3.79
CFAP54	1.40	0.71	0.92	0.41	0.78	1.13	1.89
CFAP69	1.56	0.27	2.87	1.37	2.48	3.17	6.82
CFAP70	-1.52	0.21	3.90	3.16	2.09	2.04	3.66
CFAP97	1.08	0.62	41.05	41.73	55.74	43.49	48.23
CFAP99	-1.07	0.83	1.15	0.96	1.83	1.93	0.88
CFB	544.91	0.00	0.69	3.16	1.04	0.45	1162.93
CFD	3.66	0.06	0.11	0.55	1.96	0.11	0.76
CFDP1	-1.16	0.46	14.22	21.00	22.06	19.25	14.77
CFDP2	-1.23	0.15	122.13	134.51	123.89	117.32	98.49
CFI	1.30	0.48	76.49	122.57	78.98	32.95	82.20
CFL1	-1.11	0.62	172.24	250.49	196.21	158.09	171.35
CFL2	1.04	0.81	23.85	24.71	27.94	25.37	28.28
CFLAR	2.65	0.00	9.75	5.22	11.23	11.10	22.85
CFP	-1.28	0.57	0.92	1.51	1.44	1.25	0.88
CGGBP1	-1.29	0.05	56.19	59.84	60.96	57.64	38.64
CGN	16.52	0.00	2.06	0.82	0.78	2.04	28.92
CGNL1	2.69	0.00	23.74	17.98	12.01	29.22	73.87

CGREF1	-2.30	0.00	82.11	130.81	131.46	78.02	41.92
CGRRF1	-1.23	0.43	8.14	4.67	6.66	5.66	6.57
CH25H	6.47	0.00	0.00	0.14	0.65	0.23	1.64
CHAC1	2.21	0.07	1.26	2.06	1.44	1.25	6.44
CHAD	-3.36	0.00	61.69	122.98	78.72	65.79	16.29
CHADL	-2.98	0.00	795.50	920.03	938.36	762.24	232.46
CHAF1A	-2.32	0.00	31.08	30.06	30.55	28.88	10.86
CHAF1B	-1.43	0.04	21.10	15.78	16.45	14.04	11.36
CHAMP1	-1.02	0.89	47.25	41.59	42.56	46.88	39.77
CHCHD1	-1.27	0.23	9.75	12.76	8.88	9.97	6.57
CHCHD10	-1.09	0.86	1.15	2.06	1.96	1.25	1.39
CHCHD2	-1.19	0.24	41.17	52.71	43.86	42.69	40.28
CHCHD3	1.17	0.28	36.12	35.27	34.46	33.52	40.03
CHCHD4	1.18	0.47	5.85	6.86	8.35	6.57	8.21
CHCHD6	-1.39	0.20	7.57	14.00	8.75	7.13	7.45
CHCHD7	-1.46	0.09	6.65	11.12	11.88	8.49	5.93
CHCHD8	-1.06	0.82	5.28	6.59	4.70	4.76	4.80
CHD1	1.19	0.22	52.98	57.37	53.13	63.98	69.32
CHD1L	-1.14	0.42	35.78	27.73	31.46	29.10	27.53
CHD2	1.15	0.37	93.23	88.26	87.34	104.30	101.52
CHD3	1.02	0.93	31.54	31.57	43.47	52.77	37.38
CHD4	-1.41	0.03	461.91	336.28	332.37	317.76	246.98
CHD5	-2.05	0.02	4.36	4.53	4.05	6.68	0.88
CHD6	-1.53	0.00	50.57	47.63	51.57	44.73	29.04
CHD7	-1.20	0.63	30.27	63.55	37.73	25.03	28.28
CHD8	1.02	0.92	70.75	67.26	64.23	65.00	60.73
CHD9	-1.14	0.41	150.68	139.73	154.17	180.51	132.83
CHDH	-1.59	0.02	14.91	11.80	12.53	10.19	9.47
CHEK1	-2.68	0.00	19.04	19.90	16.84	18.46	5.18
CHEK2	-1.33	0.17	16.86	10.43	18.67	16.87	8.71
CHERP	-1.18	0.27	66.17	59.02	50.91	54.58	57.07
CHFR	-1.13	0.47	29.93	30.20	30.68	23.44	30.68
CHI3L1	162.36	0.00	134.40	415.34	184.72	185.95	39900.53
CHI3L2	297.43	0.00	1.61	1.24	1.44	0.34	626.16
CHIC1	-1.31	0.47	1.83	2.20	1.70	3.40	2.15
CHIC2	1.08	0.68	12.38	12.90	12.27	14.95	16.04
CHID1	1.03	0.86	48.62	73.02	59.27	47.79	64.90
CHKA	-1.34	0.08	31.08	24.71	20.89	22.31	15.78
CHKB	-1.08	0.64	22.82	19.49	21.67	20.72	18.69
CHM	1.34	0.09	10.66	11.39	11.88	16.31	14.14
CHML	1.01	0.96	23.97	21.27	28.98	25.71	26.52
CHMP1A	1.02	0.91	28.90	31.02	24.28	25.48	26.64
CHMP2A	1.43	0.02	17.66	25.94	16.19	17.10	31.82
CHMP2B	1.09	0.58	29.24	27.31	34.07	30.80	32.70
CHMP3	1.23	0.15	43.81	53.94	50.78	46.77	68.56
CHMP4A	1.71	0.00	13.53	16.06	15.27	14.38	28.03
CHMP4B	1.10	0.71	62.61	45.57	60.05	55.94	71.34

CHMP4C	-2.24	0.00	2.64	3.02	3.00	3.85	2.02
CHMP5	-1.05	0.80	26.60	35.41	29.11	24.57	24.87
CHMP6	-1.09	0.67	12.50	16.33	13.71	13.14	12.75
CHMP7_1	-1.21	0.44	5.28	6.18	4.96	4.30	4.17
CHMP7_2	-1.10	0.55	30.96	31.71	31.59	26.84	22.35
CHN1	-2.02	0.02	5.05	4.80	7.57	2.94	2.53
CHORDC1	1.26	0.13	23.74	27.45	38.64	31.59	35.23
CHP1	-1.21	0.21	85.43	95.26	93.86	77.91	76.90
CHPF	-1.35	0.15	321.32	557.95	353.26	483.66	207.33
CHPF2	-1.37	0.04	141.51	168.69	127.67	119.92	96.22
CHPT1	-2.14	0.00	14.45	8.51	10.70	8.61	4.67
CHRAC1	-1.39	0.04	19.61	21.14	15.67	17.55	13.76
CHRD	-3.86	0.00	41.86	40.63	49.61	65.45	7.45
CHRD1L1	-2.22	0.01	10.44	6.59	5.74	7.36	2.78
CHRD1L2	-7.65	0.00	515.00	367.16	377.54	765.64	55.18
CHRNA3	1.92	0.20	1.61	1.10	1.96	1.70	2.40
CHRNNB1	1.40	0.16	2.75	3.16	3.79	4.53	5.68
CHRNE	-1.07	0.83	2.52	2.06	2.61	3.28	2.53
CHST1	-1.11	0.82	1.72	2.47	5.22	4.53	2.15
CHST10	-2.16	0.00	142.20	179.53	157.44	157.97	63.01
CHST11	-2.32	0.00	209.63	233.61	237.20	213.58	67.81
CHST12	1.04	0.78	16.17	38.43	16.97	42.47	22.10
CHST14	-1.17	0.35	52.29	76.31	73.11	65.91	51.39
CHST15	-1.16	0.52	62.50	103.35	95.04	58.21	64.65
CHST2	1.33	0.22	7.34	8.24	9.53	11.55	7.95
CHST3	-1.60	0.00	79.58	73.30	92.30	77.68	43.31
CHST6	-1.62	0.01	44.04	57.24	42.82	59.91	18.31
CHST7	8.43	0.00	0.23	0.14	0.39	1.25	4.29
CHSY1	-2.01	0.00	203.09	369.49	251.17	235.21	92.43
CHSY3	-2.63	0.00	125.34	174.04	158.48	125.59	41.42
CHTF18	-2.78	0.00	19.95	19.35	18.54	18.35	6.69
CHTF8	-1.02	0.92	62.50	61.63	50.78	45.75	45.33
CHTOP	-1.09	0.62	174.76	176.65	197.12	169.75	156.95
CHUK	-1.07	0.79	34.40	21.55	22.98	23.33	26.77
CHURC1	1.28	0.11	25.11	20.86	30.42	26.84	33.71
CIAO1	-1.25	0.15	43.81	39.80	51.57	40.09	27.40
CIAPIN1	-1.30	0.11	14.91	12.22	14.49	12.57	11.36
CIART	2.01	0.00	4.93	5.35	7.31	5.32	11.24
CIB1	1.12	0.53	15.48	20.45	15.40	17.21	18.18
CIB2	-1.02	0.98	3.67	4.94	3.26	2.49	4.04
CIC	1.31	0.08	138.07	149.61	108.48	152.43	155.06
CIDEB	-1.42	0.07	7.80	9.33	9.27	8.38	4.80
CILP2	1.11	0.75	241.73	222.49	207.57	249.93	229.68
CINP	1.75	0.01	5.28	7.55	6.53	9.06	13.64
CIPC	-1.01	0.95	31.54	36.24	35.12	28.76	31.31
CIR1	-1.16	0.35	20.53	23.47	22.85	20.72	17.42
CIRBP	-1.37	0.06	185.43	119.14	134.07	152.31	119.95

CISD1	-1.15	0.64	4.59	5.35	5.48	3.51	3.79
CISD2	1.60	0.00	11.47	15.92	12.40	13.36	19.57
CISD3	-1.08	0.82	1.61	1.10	1.70	1.25	1.89
CISH	1.44	0.17	2.64	3.16	2.61	1.81	3.28
CIT	-3.15	0.00	173.39	147.55	172.19	143.03	38.26
CITED2	-1.49	0.36	19.84	18.39	47.00	10.31	12.50
CITED4	-2.32	0.13	5.85	2.20	7.83	1.25	2.65
CIZ1	1.09	0.62	35.21	23.33	30.03	30.58	34.72
CKAP2	-3.37	0.00	203.78	198.34	177.54	173.38	38.64
CKAP2L	-2.72	0.00	5.62	4.67	5.22	3.74	0.63
CKAP4	-1.54	0.01	883.80	1278.96	1069.17	780.92	770.99
CKAP5	-1.65	0.00	188.87	205.20	188.64	165.56	109.35
CKB	1.29	0.48	1.38	0.96	1.57	1.36	1.77
CKS1B	-1.29	0.19	11.70	10.02	14.10	11.10	6.94
CKS2	-3.17	0.00	64.33	96.22	65.66	49.60	16.41
CLASP1	-1.38	0.02	80.50	69.59	73.76	84.93	49.37
CLASP2	-1.01	0.95	81.65	67.94	87.34	87.42	84.85
CLASRP	-1.02	0.96	20.64	12.08	15.53	18.01	15.40
CLCA2	12.58	0.00	9.75	5.35	1.44	31.59	147.48
CLCC1	-1.01	0.98	56.99	70.00	73.63	69.87	65.66
CLCF1	1.78	0.00	14.22	10.84	12.53	18.91	29.80
CLCN2	-1.50	0.10	10.09	5.08	7.18	7.13	6.19
CLCN3	1.22	0.29	8.14	10.71	9.92	6.57	9.34
CLCN4	1.36	0.28	2.98	2.88	1.96	4.19	3.28
CLCN5	1.31	0.05	41.51	35.69	36.16	50.28	51.14
CLCN6	-1.29	0.16	18.23	14.69	21.15	15.29	11.11
CLCN7	1.68	0.00	18.35	14.96	15.67	17.10	27.02
CLDN11	43.24	0.00	0.00	0.27	0.26	0.11	4.29
CLDN12	1.19	0.28	15.60	17.16	15.80	17.33	22.35
CLDN4	-1.30	0.66	1.26	1.92	0.65	2.60	1.26
CLDND1	-1.27	0.08	49.54	55.45	59.01	52.66	40.78
CLEC11A	-2.11	0.00	73.05	95.12	73.89	60.36	27.15
CLEC16A	1.01	0.95	17.43	17.43	15.27	17.44	16.54
CLEC18C	-3.71	0.00	1.49	1.65	1.44	0.68	0.38
CLEC2D	2.74	0.01	1.15	1.51	1.04	0.91	2.65
CLEC3A	2.96	0.00	158.59	231.41	186.68	407.68	822.13
CLEC3B	1.14	0.53	2.29	12.90	4.83	11.10	4.80
CLHC1	-1.02	0.92	25.57	24.02	31.07	29.90	25.00
CLIC1	1.32	0.06	40.14	59.84	53.65	42.69	68.94
CLIC3	5.04	0.00	0.80	0.82	0.65	0.34	5.56
CLIC4	1.36	0.02	264.55	260.38	283.94	267.14	355.07
CLINT1	-1.05	0.79	131.07	150.02	157.57	152.31	130.06
CLIP1	-1.00	0.96	73.16	60.80	78.33	55.72	79.04
CLIP2	1.32	0.23	16.97	20.18	26.11	11.66	31.19
CLIP3	1.05	0.80	27.41	26.90	21.41	27.74	29.93
CLIP4	1.06	0.92	3.33	2.75	3.79	4.87	4.55
CLK1	1.24	0.39	283.70	294.00	244.64	102.26	210.87

CLK2	1.09	0.60	68.23	126.55	76.11	66.13	86.62
CLK3	-1.17	0.30	32.91	27.45	34.59	27.86	26.01
CLK4	1.61	0.00	47.48	44.06	47.26	34.99	66.80
CLMN	1.30	0.16	7.57	7.27	7.57	9.85	12.12
CLMP	1.19	0.60	4.70	3.71	6.14	5.44	8.84
CLN3	1.59	0.01	5.28	4.39	6.14	7.81	9.34
CLN5	2.10	0.00	13.99	12.08	13.97	16.87	35.36
CLN6	1.02	0.91	14.91	16.47	13.71	18.69	17.30
CLN8	1.22	0.47	4.47	2.88	4.18	4.19	3.91
CLNS1A	-1.50	0.01	15.71	14.00	15.40	16.65	10.35
CLOCK	1.16	0.48	8.37	8.78	8.09	7.47	11.62
CLP1	1.43	0.13	5.39	3.57	6.14	5.44	9.85
CLPB	-1.20	0.44	11.12	9.20	9.14	6.91	7.58
CLPP	-1.09	0.73	7.80	10.84	9.79	8.04	7.20
CLPTM1	1.15	0.37	37.38	51.06	41.64	36.58	52.91
CLPTM1L	1.08	0.61	60.32	63.14	45.43	51.98	65.53
CLPX	-1.03	0.83	92.77	113.92	111.75	107.24	109.60
CLSPN	-3.26	0.00	32.45	31.02	26.24	29.10	6.19
CLSTN1	-1.50	0.00	369.60	306.08	311.48	356.83	188.52
CLSTN2	-2.06	0.72	1.95	0.27	4.18	0.11	1.26
CLSTN3	4.37	0.00	0.69	15.51	16.84	15.97	7.83
CLTA	1.22	0.24	58.83	89.63	64.36	58.21	86.75
CLTB	-1.12	0.56	23.51	29.65	32.77	21.74	29.29
CLTC	-1.25	0.12	438.86	424.40	469.31	430.44	333.35
CLU	3.18	0.00	375.22	517.05	370.75	426.02	1272.40
CLUAP1	1.27	0.15	10.66	12.22	12.79	17.10	16.67
CLUH	1.94	0.00	32.68	28.82	28.72	20.27	61.37
CLYBL	-1.20	0.69	0.69	1.10	1.04	1.13	0.76
CMAS	-1.25	0.11	52.41	61.77	55.87	49.26	44.70
CMBL	1.53	0.01	7.34	8.92	10.97	8.38	13.89
CMC1	1.33	0.19	3.67	5.35	6.14	5.44	6.57
CMC2	-1.94	0.00	8.49	8.10	7.31	6.00	3.66
CMC4	-1.14	0.50	12.04	10.16	10.31	10.08	9.98
CMIP	1.73	0.01	3.55	4.53	4.31	5.78	8.08
CMKLR1	3.16	0.00	6.42	11.39	3.79	15.29	29.80
CMPK1	-1.29	0.07	42.09	37.88	45.95	35.67	31.06
CMPK2	1.76	0.03	3.44	1.65	4.05	3.06	6.69
CMSS1	-1.16	0.61	3.67	6.59	5.87	5.32	4.04
CMTM3	1.24	0.18	12.04	14.14	13.84	15.97	19.19
CMTM4	1.14	0.51	12.73	10.29	15.67	12.12	15.91
CMTM5	-3.14	0.00	17.20	17.84	22.98	11.44	3.91
CMTM6	1.01	0.97	120.64	138.90	125.85	153.67	129.55
CMTM7	4.13	0.00	9.06	7.14	5.09	14.72	41.42
CMTM8	2.28	0.00	6.42	21.27	9.92	13.48	38.76
CMTR1	1.06	0.72	48.16	42.69	43.08	53.00	49.75
CMTR2	1.00	0.98	18.92	18.26	19.97	21.52	19.57
CMYA5	-1.23	0.26	62.96	52.02	43.60	65.23	30.30

CNBP	1.22	0.17	149.77	171.57	161.75	161.60	188.90
CNDP2	-1.05	0.84	31.08	41.73	46.08	31.71	38.01
CNEP1R1	1.07	0.68	23.51	28.96	26.37	23.33	25.88
CNIH1	-1.11	0.57	72.59	90.73	83.94	67.72	63.01
CNIH2	-5.07	0.00	3.55	4.94	4.57	2.49	0.63
CNIH4	1.01	0.94	29.01	44.06	33.03	30.69	37.75
CNKS1	3.46	0.00	0.69	0.27	0.39	0.23	1.01
CNKS3	-2.67	0.00	66.28	58.75	53.78	62.06	14.39
CNN2	1.09	0.62	29.36	28.82	45.82	17.10	38.76
CNN3	1.28	0.15	18.58	18.53	14.75	15.29	22.60
CNNM2	1.23	0.54	2.98	3.02	3.13	4.87	4.04
CNNM3	1.52	0.00	39.33	31.43	40.08	49.37	58.84
CNNM4	1.08	0.69	13.19	11.39	17.88	13.14	15.66
CNOT1	1.01	0.94	225.68	191.34	216.97	206.78	218.19
CNOT10	-1.34	0.06	32.91	21.27	27.68	29.10	17.93
CNOT11	-1.01	0.98	7.57	10.02	8.35	5.78	10.35
CNOT2	1.09	0.58	36.12	37.88	44.26	39.75	41.92
CNOT3	-1.14	0.41	43.58	39.39	33.29	36.35	29.42
CNOT4	1.34	0.21	8.94	7.82	8.35	9.63	13.38
CNOT6	1.20	0.27	63.53	67.12	63.58	60.59	93.31
CNOT6L	1.18	0.22	40.82	46.12	43.99	39.97	47.22
CNOT7	1.16	0.37	75.34	84.41	90.08	76.33	110.99
CNOT8	-1.06	0.76	13.76	12.76	13.05	13.82	11.74
CNP	2.25	0.00	22.82	26.49	21.93	23.89	52.53
CNPPD1	1.24	0.17	16.28	14.96	15.01	12.80	19.57
CNPY2	-1.42	0.05	19.15	35.00	26.50	23.78	18.31
CNPY3	1.70	0.00	17.20	20.86	14.36	20.16	38.01
CNPY4	-1.10	0.56	59.06	74.39	66.97	75.99	68.94
CNRIP1	1.98	0.00	2.98	3.84	2.87	5.32	7.70
CNST	-1.66	0.01	8.94	7.69	9.40	9.51	5.43
CNTD1	1.26	0.18	10.44	8.24	9.14	10.64	11.36
CNTFR	1.08	0.86	1.26	2.75	2.22	1.47	2.15
CNTLN	-1.62	0.00	28.78	30.88	28.98	22.76	14.90
CNTN1	2.38	0.05	1.03	0.14	2.09	0.00	1.39
CNTN2	1.05	0.81	42.09	39.12	87.73	41.45	50.51
CNTNAP1	1.16	0.47	15.02	10.84	13.71	13.93	14.39
CNTRL	-2.06	0.00	78.55	57.79	54.70	61.04	28.66
CNTROB	-1.58	0.00	43.81	38.16	34.86	38.62	21.47
COA1	-1.28	0.22	10.78	16.20	15.14	10.76	9.09
COA3	1.17	0.33	14.45	19.49	15.14	15.06	20.20
COA5	-1.13	0.55	9.17	10.43	9.40	8.61	7.58
COA6	-1.33	0.39	2.41	3.57	3.13	1.93	2.40
COASY	1.01	0.97	9.52	12.08	12.92	10.19	12.00
COBL	-1.64	0.05	5.16	9.20	6.79	7.59	6.82
COBLL1	1.50	0.01	98.73	80.57	105.87	112.68	182.71
COG1	-1.29	0.07	54.59	52.71	44.91	56.51	34.98
COG2	-1.02	0.93	43.81	34.45	41.38	46.54	35.73

COG3	-1.73	0.00	139.67	105.55	128.59	122.42	65.28
COG4	-1.21	0.20	33.48	32.26	28.72	29.90	20.33
COG5	-1.32	0.04	33.60	38.57	35.25	33.29	23.74
COG6	-1.17	0.29	40.94	37.20	40.86	45.98	32.20
COG7	-1.20	0.25	19.27	19.35	19.32	16.87	15.78
COG8	-1.06	0.75	18.46	18.67	21.15	16.19	15.40
COIL	-1.18	0.29	24.20	22.51	23.37	20.04	19.07
COL11A1	-3.16	0.00	32494.19	28909.53	43620.51	22123.51	10386.92
COL11A2	-2.41	0.00	16225.31	19150.18	16716.15	12910.16	5490.38
COL12A1	-2.60	0.00	2814.11	1405.64	2428.68	1415.43	811.27
COL13A1	3.77	0.00	0.11	0.27	0.26	0.45	1.14
COL14A1	-1.54	0.01	635.18	593.22	448.43	826.33	354.43
COL15A1	2.07	0.01	361.57	510.73	160.18	876.05	764.17
COL16A1	-1.66	0.02	4199.96	2539.38	4677.46	2458.73	2577.38
COL18A1	1.13	0.99	12.38	20.31	34.99	15.29	11.49
COL1A1	-1.05	0.80	1046.86	1277.45	1408.72	2144.37	975.17
COL1A2	-1.55	0.06	985.97	1132.09	1216.82	1976.20	560.00
COL20A1	-1.23	0.67	3.10	2.20	6.53	3.51	2.27
COL21A1	-1.82	0.08	4.13	2.47	5.61	5.44	0.76
COL25A1	4.62	0.00	12.27	11.67	5.87	71.34	94.70
COL27A1	-1.74	0.00	1711.75	1727.79	1765.77	1653.69	756.60
COL2A1	-1.82	0.01	237161.38	193983.76	327641.20	137831.54	174757.91
COL3A1	1.89	0.00	2433.39	2583.31	2556.35	3942.90	4391.60
COL4A1	1.00	0.96	115.25	156.88	291.90	114.94	110.48
COL4A2	-1.03	0.94	156.42	175.83	300.65	125.25	162.76
COL4A3	1.90	0.05	0.92	1.92	1.44	1.25	2.78
COL4A3BP	1.10	0.57	15.94	19.63	17.10	20.27	21.84
COL4A5	4.01	0.01	1.83	0.27	0.91	2.72	2.65
COL5A1_1	-1.59	0.01	1189.06	2026.18	1308.72	1702.84	800.54
COL5A1_2	-1.60	0.00	120.98	195.73	131.59	165.56	80.69
COL5A2	-1.76	0.01	250.79	308.69	271.41	537.90	125.76
COL5A3	2.95	0.00	24.88	38.16	56.00	17.89	58.34
COL6A1	3.89	0.00	1501.78	2875.94	1362.25	2703.45	8393.15
COL6A2	4.03	0.00	394.48	973.42	471.40	837.89	2766.02
COL6A3	1.82	0.04	4049.85	8149.47	1800.75	7696.57	14748.22
COL6A5	-3.54	0.01	2.64	3.16	1.44	1.36	0.00
COL7A1	1.47	0.01	55.16	61.63	48.82	72.14	80.43
COL8A1	-8.04	0.00	361.22	241.30	375.45	225.81	29.93
COL8A2	-2.27	0.00	80.27	101.98	90.21	77.57	22.60
COL9A1	-3.47	0.00	15631.75	13913.84	18751.89	9465.54	3911.91
COL9A2	-2.94	0.00	9567.53	12397.98	11308.02	8939.52	3232.58
COL9A3	-3.28	0.00	12792.87	12264.15	14348.44	9235.99	3663.92
COLEC12	1.14	0.69	33.83	39.39	24.28	32.73	33.59
COLGALT1	-1.34	0.09	183.82	248.71	169.19	173.38	114.52
COLGALT2	-2.18	0.00	62.61	129.16	97.00	142.80	23.11
COMMID1	-1.41	0.03	14.45	15.37	13.84	12.23	9.22
COMMID10	-1.10	0.66	9.75	12.35	11.36	9.97	8.21

COMM2	-1.12	0.54	16.05	17.98	14.23	16.53	14.02
COMM3	1.18	0.55	5.50	3.43	4.57	6.34	6.19
COMM4	-1.06	0.79	13.07	16.88	12.01	14.04	11.87
COMM5	-1.29	0.19	8.03	10.02	10.70	8.95	6.94
COMM6	-1.40	0.15	9.06	12.90	10.57	6.79	7.83
COMM7	-1.00	0.98	20.64	20.59	19.97	18.23	21.59
COMM8	-1.05	0.78	15.71	15.51	15.40	14.38	14.65
COMM9	-1.02	0.92	11.35	13.31	11.36	10.87	11.11
COMP	-1.49	0.00	5312.99	6382.57	6037.75	5305.66	3300.64
COMT_1	1.50	0.19	1.95	3.16	1.44	1.59	2.27
COMTD1	-1.02	0.93	1.49	1.24	0.91	1.02	0.76
COPA	-1.41	0.02	507.32	505.24	527.28	483.55	283.72
COPB1	-1.41	0.01	205.73	201.77	222.97	203.84	120.71
COPB2	-1.55	0.00	195.18	205.61	230.67	181.19	116.04
COPE	-1.37	0.04	91.40	124.49	109.14	85.50	69.32
COPG1	-1.47	0.01	216.85	233.75	211.35	198.85	121.47
COPG2	1.51	0.00	25.92	25.53	19.58	21.97	32.70
COPRS	1.67	0.00	9.06	12.76	7.83	9.63	20.08
COPS2	-1.05	0.80	11.93	14.00	16.06	14.72	12.75
COPS3	-1.18	0.26	50.80	43.65	44.52	40.20	39.52
COPS4	-1.05	0.77	30.39	36.78	36.03	32.27	30.81
COPS5	-1.01	0.96	25.46	28.41	24.41	24.80	25.25
COPS6	-1.18	0.32	58.71	76.86	52.48	62.85	56.57
COPS7A	-1.12	0.47	35.78	39.26	45.17	38.50	31.69
COPS7B	-1.20	0.28	17.55	16.61	15.80	15.29	10.61
COPS8	-1.19	0.23	33.71	38.02	36.94	33.86	26.14
COPZ1	-1.85	0.00	147.82	156.88	155.35	131.48	65.41
COPZ2	-3.11	0.00	195.86	203.28	253.13	134.31	65.66
COQ10A	1.09	0.81	4.13	4.25	3.79	4.64	3.03
COQ10B	1.07	0.78	10.09	11.80	10.84	11.78	14.02
COQ2	-1.34	0.11	19.38	17.98	16.97	12.34	11.62
COQ3	-1.04	0.90	12.61	8.10	11.36	14.27	12.37
COQ4	-1.36	0.23	4.47	5.35	3.66	3.96	3.54
COQ5	-1.24	0.30	7.68	10.57	9.40	9.51	5.68
COQ6	-1.28	0.28	10.55	9.20	16.84	14.04	7.83
COQ7	-1.43	0.07	7.91	7.96	11.10	8.04	5.43
COQ9	1.09	0.64	18.12	21.55	20.10	17.67	20.96
CORO1A	1.75	0.31	0.57	1.37	0.78	0.34	2.15
CORO1B	1.18	0.30	17.89	21.69	24.54	18.23	23.61
CORO1C	-1.34	0.04	27.06	25.94	27.68	24.69	19.45
CORO2A	2.54	0.03	0.23	1.37	1.83	1.13	4.04
CORO2B	-1.38	0.49	4.13	4.25	2.09	8.04	4.42
CORO6	7.12	0.00	2.06	1.24	1.44	1.02	13.76
CORO7	-3.36	0.00	22.36	20.45	13.58	22.31	5.81
COTL1	1.87	0.00	9.17	12.08	9.92	11.10	20.58
COX10	1.26	0.47	2.29	3.16	2.09	1.93	3.91
COX11	1.13	0.58	7.57	10.84	12.53	7.93	13.51

COX14	1.18	0.35	10.66	11.80	9.40	9.17	13.38
COX15	1.22	0.27	9.52	8.24	8.09	8.83	9.85
COX16	1.13	0.57	11.47	9.20	10.97	12.12	11.62
COX17	2.25	0.00	13.07	14.14	15.80	10.87	39.02
COX18	1.36	0.45	1.03	0.55	1.44	0.79	1.01
COX19	-1.17	0.31	28.55	24.98	29.63	26.95	22.22
COX20	-1.05	0.92	16.17	27.18	19.32	15.74	17.17
COX4I1	1.24	0.19	50.34	93.75	70.49	62.40	94.07
COX5A	-1.03	1.00	18.92	34.31	26.11	18.01	23.61
COX5B	1.27	0.13	26.03	36.65	29.37	29.33	42.05
COX6A1	-1.07	0.72	35.32	49.41	42.82	38.39	45.96
COX6B1	-1.06	0.84	9.86	16.33	12.27	11.78	10.61
COX7A1	-1.20	0.28	13.99	18.26	15.80	14.72	14.14
COX7A2	-1.67	0.21	2.75	1.51	2.09	1.02	1.26
COX7A2L	-1.03	0.91	68.35	87.57	93.47	74.06	70.84
COX7B	-1.16	0.58	4.82	8.24	6.66	7.13	5.68
COX7C	1.09	0.97	4.70	4.67	0.13	4.76	5.81
COX8A	-1.33	0.09	28.10	32.94	24.41	20.72	19.95
CP	17.88	0.00	8.60	14.14	11.23	16.19	158.97
CPA5	-2.23	0.02	9.86	5.08	3.00	8.04	2.15
CPAMD8	5.34	0.00	32.80	42.14	48.30	56.17	292.56
CPD	2.86	0.00	93.23	94.71	85.64	123.89	255.95
CPE	-3.67	0.00	97.93	47.08	132.37	53.34	24.75
CPEB1	2.56	0.00	4.47	3.16	3.52	5.32	16.29
CPEB2	1.52	0.28	7.34	7.00	11.62	7.81	20.20
CPEB3	1.22	0.34	9.17	7.96	7.70	7.70	9.22
CPEB4	-1.12	0.57	31.42	33.08	35.12	48.92	30.94
CPED1	-1.52	0.00	55.27	58.06	47.13	59.23	30.18
CPM	8.14	0.00	2.18	1.10	2.48	1.59	21.09
CPN1	2.03	0.22	0.11	0.41	0.65	1.02	2.15
CPNE1	1.06	0.74	43.92	42.41	32.11	50.17	41.79
CPNE2	-1.14	0.44	94.15	112.28	92.17	79.50	73.36
CPNE3	1.28	0.08	41.28	39.94	45.95	47.90	65.41
CPNE5	-1.65	0.12	2.18	2.06	2.74	1.70	3.16
CPNE8	3.46	0.00	6.42	8.10	10.70	16.99	30.30
CPOX	2.35	0.00	8.94	11.67	10.05	10.76	29.93
CPPED1	-1.45	0.16	4.01	3.57	4.44	4.30	2.02
CPQ	-1.82	0.00	39.33	30.20	27.94	22.08	18.18
CPSF1	-1.01	0.93	43.12	43.51	39.42	38.39	37.88
CPSF2	-1.06	0.80	33.03	43.51	31.59	30.80	33.71
CPSF3	-1.03	0.90	19.49	23.33	20.37	18.23	19.19
CPSF3L	1.05	0.81	24.31	22.24	19.97	20.16	25.88
CPSF4	-1.42	0.02	20.18	17.57	18.15	17.55	12.50
CPSF6	-1.24	0.14	77.06	64.10	61.62	63.42	56.06
CPSF7	1.07	0.72	81.07	68.49	68.15	81.54	80.94
CPT1A	-1.40	0.47	2.87	2.20	1.83	5.66	1.26
CPT1C	1.37	0.61	0.46	0.55	1.44	0.57	0.38

CPT2	1.50	0.02	9.75	8.65	10.84	9.29	16.41
CPTP	1.64	0.00	13.65	10.57	9.27	8.95	20.96
CPXM1	-1.35	0.18	213.64	133.28	247.12	238.38	136.62
CPXM2	-2.40	0.01	136.46	98.55	295.16	92.29	98.11
CPZ	-1.24	0.44	4.01	5.63	3.39	3.85	6.19
CRABP2	-1.75	0.01	16.74	17.57	14.62	11.10	14.02
CRACR2A	1.44	0.45	1.49	0.96	0.78	1.36	2.40
CRADD	1.12	0.79	1.83	0.69	1.57	1.36	1.52
CRAMP1	-1.16	0.39	25.11	19.35	20.63	22.20	17.42
CRAT	3.01	0.00	33.14	36.78	29.63	28.20	123.49
CRB1	-1.86	0.01	8.03	4.80	7.18	4.64	2.78
CRB2	-1.15	0.69	3.44	4.12	6.01	3.51	2.90
CRBN	1.44	0.01	18.35	18.26	14.75	19.36	25.00
CRCP	-1.46	0.06	19.04	14.69	12.53	10.53	10.48
CREB1	1.03	0.90	9.06	12.35	9.14	8.95	9.98
CREB3	1.05	0.80	14.22	15.37	17.23	13.36	13.64
CREB3L1	3.65	0.00	5.73	6.31	5.87	6.12	27.65
CREB3L2	-1.53	0.00	312.14	276.43	240.99	251.17	172.73
CREB3L4	1.43	0.06	8.49	6.86	6.14	8.72	8.71
CREB5	-1.50	0.34	98.39	64.51	47.91	183.45	51.26
CREBBP	1.13	0.53	246.21	215.22	200.39	240.19	250.77
CREBL2	-1.61	0.00	58.37	59.43	77.28	76.78	31.82
CREBRF	1.60	0.00	24.88	25.53	27.94	32.84	43.06
CREBFZ	-1.23	0.23	130.96	94.71	115.27	130.00	80.05
CREG1	1.77	0.01	286.11	446.08	213.05	144.38	617.58
CRELD1	2.70	0.00	0.69	2.75	0.78	1.81	2.78
CRELD2	1.30	0.19	8.60	9.47	8.49	9.17	15.28
CREM	1.55	0.09	2.18	1.78	3.92	2.49	3.79
CRIM1	-1.12	0.48	294.48	269.43	308.74	318.33	199.50
CRIP1	-1.02	0.97	5.39	6.18	3.39	8.38	6.69
CRIP2	1.84	0.00	6.65	6.04	7.31	5.78	15.28
CRIPTR	1.14	0.58	7.68	6.86	6.40	7.70	6.44
CRISPLD1	-2.67	0.00	1326.44	1355.55	1466.68	1500.47	304.05
CRISPLD2	-3.15	0.00	445.17	674.75	468.14	771.86	74.50
CRK	1.29	0.07	58.60	59.71	67.62	71.80	85.61
CRKL	1.15	0.74	1.95	1.92	2.48	1.81	2.15
CRLF1	-3.60	0.00	9.40	15.92	9.01	6.57	3.54
CRLF3	1.37	0.04	45.07	41.73	45.95	40.77	58.84
CRLS1	-1.31	0.10	17.09	17.98	21.67	19.59	12.25
CRNKL1	1.10	0.57	22.71	25.67	19.84	21.74	21.84
CROCC	1.08	0.83	35.89	24.16	28.33	31.37	25.88
CROCC2	4.61	0.00	3.21	1.10	1.44	3.06	12.00
CROT	-1.05	0.82	8.72	10.29	15.01	10.76	9.34
CRTAC1	4.55	0.00	1.95	0.69	1.70	1.36	4.42
CRTAP	-1.23	0.22	114.56	133.83	146.08	102.82	104.93
CRTC1	-1.31	0.16	25.11	15.10	18.28	18.01	12.63
CRTC2	1.57	0.00	12.16	11.53	10.05	13.25	19.57

CRTC3	1.29	0.07	46.10	40.35	38.51	52.09	52.27
CRY1	-1.21	0.28	19.38	17.98	24.15	25.25	18.94
CRY2	-1.60	0.00	68.12	56.55	59.53	61.15	31.19
CRYAB	1.27	0.65	2.52	1.24	2.22	1.93	0.88
CRYBB1	1.04	0.97	1.38	1.65	2.22	1.70	2.15
CRYBG3	-1.62	0.00	213.29	325.98	259.00	313.80	156.70
CRYGS	70.45	0.00	0.69	0.27	0.13	0.34	44.19
CRYL1	-1.17	0.45	11.81	17.84	11.62	14.04	11.62
CRYZ	-1.09	0.66	26.83	27.86	33.03	23.89	27.53
CRYZL1	-1.29	0.08	21.90	28.82	24.93	24.01	19.95
CS	-1.18	0.28	28.55	25.94	31.20	27.86	21.09
CSAD	1.23	0.17	15.94	15.78	12.79	15.40	17.80
CSDC2	-4.10	0.00	4.93	3.84	8.35	5.66	1.39
CSDE1	1.24	0.13	162.38	176.79	184.20	178.70	208.59
CSE1L	-1.35	0.02	51.14	50.51	57.57	56.40	36.62
CSF1	18.71	0.00	1.38	0.96	1.83	1.02	43.06
CSF1R	1.73	0.34	1.72	1.24	1.44	0.79	1.14
CSF2	169.45	0.00	0.00	0.00	0.00	0.00	2.78
CSF2RB	35.21	0.00	1.49	3.16	1.44	2.83	93.19
CSF3	9.33	0.00	3.21	1.51	2.35	1.70	35.23
CSGALNACT1	-1.35	0.09	915.10	1330.43	925.18	1082.26	566.56
CSGALNACT2	-1.75	0.00	103.44	107.47	103.00	74.63	55.81
CSK	1.17	0.31	21.33	26.22	23.50	24.35	28.03
CSMD2	7.37	0.00	0.00	0.27	0.39	0.45	0.63
CSNK1A1	1.51	0.00	30.39	31.57	38.90	33.41	54.30
CSNK1B	1.28	0.23	5.96	4.12	6.66	5.89	7.20
CSNK1D_1	1.64	0.27	1.15	0.82	0.91	1.13	2.53
CSNK1D_2	1.29	0.05	50.80	48.59	47.91	46.54	64.78
CSNK1E	1.46	0.10	6.88	4.53	6.40	6.79	12.63
CSNK1G1	1.18	0.39	13.19	8.37	12.40	12.12	15.78
CSNK1G2	1.04	0.82	38.65	51.47	40.08	35.22	45.71
CSNK1G3	-1.22	0.21	51.60	45.29	44.26	63.64	40.41
CSNK2A1	-1.13	0.38	51.72	51.33	49.74	50.39	42.93
CSNK2A2	1.56	0.00	21.10	19.90	16.58	21.74	37.12
CSNK2B	-1.11	0.63	47.93	56.14	54.44	34.99	44.95
CSPG4	1.31	0.19	406.18	392.83	224.54	651.03	455.45
CSPG5	-2.72	0.00	9.63	16.88	9.79	9.74	3.54
CSPP1	-1.74	0.00	40.02	37.75	44.26	43.37	18.81
CSRNP1	1.01	0.98	8.14	10.02	7.96	9.74	8.08
CSRNP2	1.04	0.90	7.11	4.67	7.83	5.66	7.83
CSRP1	-1.32	0.10	78.78	105.69	92.56	71.34	54.67
CSRP2	1.26	0.24	13.30	15.78	23.24	12.12	19.32
CSRP2BP	1.12	0.55	17.09	22.24	20.23	18.46	26.26
CST3	-1.31	0.15	103.67	82.90	123.76	75.31	78.66
CST6	-1.80	0.09	2.87	4.80	1.83	4.87	1.89
CSTB_1	4.31	0.00	0.57	1.65	0.91	0.11	1.52
CSTB_2	5.83	0.00	8.26	9.20	8.75	11.44	71.72

CSTF1	1.06	0.83	23.85	27.18	29.24	23.89	27.40
CSTF2	-1.03	0.94	4.13	6.86	5.74	6.12	5.56
CSTF3	-1.13	0.46	23.62	22.10	22.06	19.14	20.96
CTAGE5	1.07	0.67	49.77	46.80	42.82	56.96	55.05
CTBP1	-1.02	0.93	75.91	64.65	67.62	61.83	66.54
CTBP2	1.86	0.00	41.28	44.20	34.33	51.87	81.82
CTC1	1.18	0.33	23.74	17.98	22.06	22.99	29.42
CTCF	-1.03	0.85	80.04	75.35	75.06	81.42	66.67
CTDNEP1	1.07	0.67	43.81	59.43	44.91	52.21	48.99
CTDP1	1.13	0.61	22.82	44.75	24.15	19.82	32.96
CTDSP1	1.87	0.00	46.90	40.22	31.46	52.88	98.62
CTDSP2	1.93	0.00	87.27	84.41	86.29	96.14	177.15
CTDSPL	1.16	0.48	69.84	80.30	64.88	70.66	110.86
CTDSPL2	-1.21	0.17	36.35	36.65	39.82	36.46	29.67
CTF1	1.29	0.53	1.49	0.69	0.39	1.36	0.88
CTGF	1.54	0.12	464.09	122.98	641.63	129.10	738.16
CTHRC1	-2.20	0.00	348.73	461.73	230.41	481.62	103.16
CTIF	2.96	0.00	5.50	5.76	4.83	6.79	20.71
CTNNA1_1	1.03	0.89	86.58	83.59	78.85	83.80	78.66
CTNNA1_2	1.08	0.65	117.54	121.88	107.83	115.17	121.72
CTNNAL1	-1.67	0.00	68.46	54.63	81.98	51.53	33.21
CTNNB1	-1.16	0.37	547.11	447.73	529.76	543.57	345.47
CTNNBIP1	1.32	0.43	5.16	8.37	6.92	5.55	9.72
CTNNBL1	1.02	0.89	18.00	24.84	17.49	18.46	20.58
CTNND1	-1.02	0.96	126.83	112.00	161.35	139.06	131.07
CTNND2	1.06	1.00	4.13	1.92	1.83	1.59	2.27
CTNS	1.71	0.00	8.37	7.55	10.18	10.08	17.68
CTPS1	-1.90	0.00	16.40	10.98	14.62	9.51	5.05
CTPS2	1.41	0.01	31.54	32.12	29.11	42.35	43.44
CTR9	1.00	0.99	49.77	46.80	50.39	48.47	45.96
CTSA	-1.03	0.95	48.85	75.49	33.55	46.43	53.41
CTSB	1.47	0.01	245.86	232.92	200.91	260.23	323.12
CTSC	5.21	0.00	11.81	19.35	16.06	10.98	90.91
CTSD	1.04	0.80	143.23	166.90	113.31	161.26	136.50
CTSF	1.23	0.21	88.64	109.39	85.38	100.67	116.29
CTSH	1.66	0.02	12.38	11.67	14.62	9.85	19.32
CTSK	2.33	0.00	147.13	134.24	107.05	114.83	345.47
CTSL	25.87	0.00	2.18	5.63	3.26	3.85	149.25
CTSO	-1.55	0.03	12.96	10.57	10.05	7.13	6.69
CTSS	4.58	0.00	2.87	4.53	5.61	4.30	19.07
CTSV	1.27	0.07	43.12	40.77	41.91	46.77	53.54
CTSZ	-2.16	0.00	85.32	136.30	94.25	62.06	50.63
CTTN	1.11	0.52	138.18	141.79	133.42	145.18	158.47
CTTNBP2	-3.59	0.00	65.02	32.53	48.95	39.18	16.54
CTTNBP2NL	-1.16	0.39	47.59	36.78	44.12	32.95	36.24
CTU1	1.14	0.67	1.72	2.33	3.13	2.49	2.78
CTU2	1.27	0.20	8.60	6.31	8.09	8.49	8.97

CUBN	-1.30	0.59	1.03	0.69	1.31	0.91	0.51
CUEDC1	1.36	0.07	38.30	50.51	49.09	31.26	74.75
CUEDC2	-1.13	0.60	15.37	23.20	13.97	17.67	14.27
CUL1	1.13	0.43	50.00	53.80	50.39	57.98	66.42
CUL2	1.24	0.13	22.59	19.08	21.15	24.57	25.63
CUL3	-1.05	0.79	60.89	69.59	66.06	58.09	58.71
CUL4A	1.60	0.00	79.58	74.94	75.72	81.54	131.95
CUL4B	1.04	0.82	69.84	49.41	63.71	79.27	64.52
CUL5	1.01	0.97	33.37	28.14	39.56	36.46	38.89
CUL7	-1.33	0.05	284.74	249.67	279.63	292.39	169.07
CUL9	1.08	0.65	54.70	42.14	44.78	51.19	52.65
CUTA	1.17	0.30	17.55	18.53	19.06	18.80	22.22
CUTC	2.19	0.00	6.31	8.51	8.35	7.36	21.21
CUX1	1.01	0.96	170.87	216.18	123.50	150.05	153.67
CUX2	1.07	0.89	2.64	0.69	1.44	1.70	1.39
CWC15	-1.15	0.50	48.85	51.88	30.03	50.85	41.79
CWC22	1.53	0.00	21.44	21.55	19.19	22.42	28.28
CWC25	1.08	0.89	2.18	2.20	2.74	1.59	2.15
CWC27	1.19	0.45	6.42	7.00	8.49	9.17	11.49
CWF19L1	-1.13	0.57	17.20	12.35	18.15	20.27	14.02
CWF19L2	-1.00	0.99	13.88	13.18	13.45	13.14	14.27
CX3CL1	25.45	0.00	4.47	7.82	3.79	5.78	202.53
CXADR	3.34	0.00	2.52	1.51	1.70	4.53	9.72
CXCL12	6.63	0.00	0.80	0.55	0.91	0.23	2.65
CXCL14	73.04	0.00	0.23	0.14	0.13	0.34	13.26
CXCL16	7.54	0.00	1.03	0.96	1.57	1.81	19.82
CXCL2	183.29	0.00	0.11	0.00	0.00	0.00	7.32
CXCL3	61.17	0.00	0.23	0.27	0.00	0.00	10.48
CXCL5	567.86	0.00	0.34	2.20	1.31	0.34	736.90
CXCL8	33.56	0.00	0.11	0.69	0.26	0.23	10.35
CXCR1	103.01	0.00	0.00	0.00	0.00	0.11	4.17
CXCR2	62.12	0.00	0.00	0.14	0.00	0.00	2.90
CXCR4	1.27	0.70	5.39	5.90	10.70	4.76	4.42
CXHXorf23	1.19	0.33	18.81	14.69	15.53	13.59	21.47
CXHXorf38	-1.47	0.10	6.88	5.63	4.96	4.87	4.80
CXHXorf56	1.12	0.49	15.25	12.76	15.67	14.50	16.16
CXHXorf58	-2.24	0.08	2.64	1.10	0.91	1.25	0.51
CXXC1	-1.06	0.74	34.06	31.29	26.24	30.46	25.25
CXXC5	-1.02	0.91	45.76	54.77	48.30	45.18	44.07
CYB561A3	1.03	0.90	16.51	22.24	17.49	20.61	21.21
CYB561D1	3.03	0.00	4.24	3.98	3.26	4.76	12.88
CYB561D2	1.15	0.56	5.85	6.18	2.61	3.96	5.43
CYB5A	1.49	0.25	59.29	103.35	54.31	46.66	182.96
CYB5B	-1.83	0.00	78.55	77.69	71.93	59.23	34.22
CYB5D1	1.22	0.54	2.06	1.10	1.96	2.83	2.15
CYB5D2	-1.35	0.06	25.00	32.12	24.54	24.12	21.97
CYB5R1	1.09	0.79	20.87	32.67	24.93	23.33	37.88

CYB5R2	-2.21	0.00	14.91	12.49	19.58	18.12	10.99
CYB5R3	1.07	0.73	180.96	227.85	210.44	154.12	235.62
CYB5R4_1	-1.05	0.85	4.70	3.98	4.96	4.08	4.67
CYB5RL	-1.23	0.56	2.29	2.61	1.57	2.04	1.52
CYBA	4.67	0.00	1.72	3.84	4.44	2.49	19.82
CYBB	-1.08	0.69	2.29	2.88	3.92	0.91	2.15
CYBRD1	1.61	0.00	50.69	58.47	40.34	66.25	83.34
CYC1	-1.11	0.53	22.48	22.37	21.67	21.06	18.69
CYFIP1	1.45	0.01	110.55	96.08	96.47	110.86	164.15
CYGB	8.26	0.00	3.10	3.16	3.39	5.78	40.03
CYHR1	1.08	0.63	28.55	36.92	27.15	25.25	35.36
CYLD	1.44	0.01	36.70	32.53	45.04	41.79	58.97
CYP1A1	5.57	0.00	0.80	0.96	0.91	2.94	5.18
CYP1B1	2.56	0.00	14.10	7.96	12.92	24.12	30.56
CYP20A1	1.27	0.07	39.22	37.06	48.04	41.11	52.27
CYP26B1	1.55	0.06	6.42	7.82	7.96	6.45	16.79
CYP27A1	1.00	0.84	9.98	7.00	10.18	8.15	10.23
CYP2D14	1.26	0.39	3.67	6.31	5.22	6.34	9.22
CYP2R1	-2.03	0.18	1.38	0.55	2.74	1.02	0.76
CYP2U1	-1.36	0.24	5.28	4.80	3.26	4.98	3.28
CYP39A1	1.07	0.73	20.99	16.20	16.06	19.48	15.78
CYP3A4	236.77	0.00	0.00	0.00	0.00	0.00	3.16
CYP4V2	1.84	0.01	29.36	13.04	20.50	30.80	45.71
CYP51A1	1.14	0.45	84.86	108.57	96.60	69.42	95.71
CYP7B1	1.77	0.00	42.66	43.10	46.34	34.20	87.25
CYP8B1	4.82	0.00	0.23	0.69	0.26	1.70	3.79
CYR61	1.27	0.16	477.50	324.75	735.89	488.08	641.06
CYSTM1	1.57	0.09	6.08	5.76	6.27	5.66	10.99
CYTH1	1.81	0.00	16.05	21.55	21.15	17.33	42.68
CYTH2	-1.00	0.98	12.50	17.98	12.27	14.83	14.27
CYTH3	1.25	0.20	25.46	22.24	26.89	27.74	38.01
CYTL1	-7.03	0.00	287.03	44.06	65.66	478.57	31.69
D2HGDH	1.20	0.25	14.10	14.27	15.14	16.42	19.32
DAAM1	1.06	0.79	11.12	8.37	12.66	14.83	10.61
DAAM2	-1.04	0.81	161.46	175.41	145.82	182.09	178.04
DAB1	-7.76	0.00	5.28	0.69	4.70	1.25	0.00
DAB2	-1.24	0.29	77.63	46.80	68.15	86.29	57.58
DAB2IP	2.16	0.00	7.57	7.55	8.88	9.63	24.12
DACH1	-1.15	0.73	1.03	0.69	1.31	1.02	0.63
DACT1	-1.72	0.00	53.55	47.35	45.82	57.87	22.22
DACT2	-1.17	0.53	4.70	7.96	6.40	7.25	4.92
DACT3	-3.73	0.00	40.94	47.08	37.99	30.92	7.58
DAD1	-1.18	0.33	95.41	123.12	106.53	90.03	82.71
DAG1	1.20	0.41	107.68	98.82	81.85	106.00	121.22
DAGLA	2.68	0.00	2.29	0.82	0.52	1.25	3.66
DAGLB	1.30	0.27	18.00	13.86	21.93	18.46	20.33
DALRD3	1.36	0.13	15.48	13.45	15.01	13.48	21.72

DAP	-1.52	0.00	285.77	373.34	335.76	282.77	183.59
DAP3	-1.14	0.46	17.32	19.63	22.98	18.57	15.40
DAPK1_1	-1.15	0.59	9.98	6.59	6.01	8.27	6.57
DAPK1_2	-1.27	0.53	4.93	3.29	1.83	3.74	3.41
DAPK3	1.08	0.71	34.40	29.10	37.86	26.27	39.40
DARS	1.21	0.27	49.08	79.06	71.80	59.79	64.40
DARS2	-1.36	0.07	11.47	13.18	12.79	11.66	7.32
DAW1	2.81	0.00	0.46	1.37	0.52	1.93	4.04
DAXX	1.35	0.02	19.84	21.55	20.89	20.27	28.16
DAZAP1	-1.25	0.16	52.75	58.20	50.91	45.18	41.04
DAZAP2	1.48	0.01	47.25	61.08	48.30	60.92	83.21
DBF4	-1.48	0.05	12.38	17.57	14.88	9.74	8.33
DBF4B	-1.43	0.24	4.01	3.02	2.35	2.72	2.02
DBI	-1.32	0.09	80.73	97.04	94.65	64.55	65.28
DBN1	-1.47	0.00	48.62	48.59	44.52	48.69	32.07
DBNDD1	1.02	0.98	5.73	6.59	5.74	6.00	6.82
DBNL	-1.11	0.49	73.16	71.51	65.93	63.64	62.88
DBP	1.52	0.02	14.33	13.18	16.32	16.53	20.33
DBR1	1.19	0.43	6.77	5.22	6.01	7.25	6.57
DBT	1.83	0.00	20.87	16.61	21.80	20.27	45.71
DCAF10	-1.19	0.29	23.39	24.29	29.37	30.80	20.71
DCAF11	1.82	0.00	24.20	25.12	20.10	25.82	44.95
DCAF12	1.14	0.41	86.81	72.06	80.81	84.93	93.44
DCAF13	1.57	0.00	8.26	7.96	9.14	8.38	12.88
DCAF15	-1.34	0.14	26.95	25.67	15.93	16.87	16.16
DCAF17	1.65	0.01	5.50	4.12	6.66	6.12	9.34
DCAF4	1.61	0.00	9.29	9.33	9.79	10.64	15.66
DCAF5	1.10	0.57	81.53	90.86	81.72	91.73	95.21
DCAF6	1.13	0.45	30.39	20.04	29.24	29.44	32.07
DCAF7	-1.07	0.73	35.78	38.98	30.68	29.90	34.22
DCAF8	1.15	0.38	76.37	66.57	72.58	75.42	86.49
DCAKD	1.11	0.79	2.29	2.75	3.79	2.49	3.79
DCBLD1	1.06	0.77	18.35	18.53	16.84	19.82	20.71
DCBLD2	1.17	0.31	33.37	26.49	31.07	44.62	38.26
DCC	-1.14	0.92	0.57	0.55	12.66	6.45	3.16
DCHS1	-1.19	0.33	222.35	267.65	172.32	236.00	195.72
DCK	-1.09	0.69	18.69	31.84	26.76	22.08	15.91
DCLK1	-1.59	0.20	20.76	9.61	32.90	11.32	18.31
DCLK2	-1.19	0.56	4.24	3.71	6.79	6.00	4.67
DCLRE1A	-1.11	0.62	9.98	8.51	9.92	12.00	10.99
DCLRE1B	1.17	0.33	36.93	34.59	24.80	25.14	33.97
DCLRE1C	1.04	0.86	7.80	7.41	9.01	6.79	8.59
DCN	2.68	0.00	216.05	337.38	384.98	407.22	897.26
DCP1A	-1.22	0.19	47.82	55.04	63.97	52.66	50.00
DCP1B	1.16	0.39	11.35	10.57	12.92	11.66	13.64
DCP2	-1.55	0.19	4.36	3.98	1.96	2.72	1.89
DCPS	-1.23	0.53	5.96	10.29	8.49	4.64	5.30

DCTD	-1.38	0.03	17.43	18.53	21.93	18.12	13.26
DCTN1	1.09	0.63	75.34	72.75	68.54	81.31	84.35
DCTN2	1.33	0.04	73.62	91.00	82.90	86.18	113.51
DCTN3	1.09	0.68	13.65	15.92	15.01	15.06	17.80
DCTN4	1.36	0.01	41.63	42.14	38.12	40.65	55.31
DCTN5	-1.36	0.03	24.66	23.47	22.58	21.97	17.42
DCTN6	-1.37	0.04	29.13	31.43	33.94	34.09	17.42
DCTPP1	-1.56	0.12	2.75	4.25	3.66	4.98	1.77
DCUN1D1	1.03	0.88	16.97	14.55	18.80	22.54	20.58
DCUN1D2	1.35	0.14	5.16	4.67	5.35	4.98	7.32
DCUN1D3	-1.18	0.53	5.73	3.98	6.14	5.21	4.92
DCUN1D4	1.05	0.82	8.83	8.92	8.09	9.29	9.22
DCUN1D5	-1.02	0.91	12.84	13.18	18.02	16.65	14.14
DCX	-1.16	0.64	3.10	3.29	2.48	2.83	2.40
DCXR_2	1.42	0.04	7.45	11.12	11.10	7.93	13.13
DDA1	-1.55	0.15	3.33	2.88	3.92	2.26	2.15
DDAH1	2.10	0.00	52.52	54.49	47.65	66.47	113.51
DDAH2	-1.51	0.04	10.89	12.08	15.53	9.63	6.44
DDB1	-1.12	0.48	204.92	195.32	222.84	194.78	183.21
DDB2	-1.37	0.04	20.53	22.65	17.75	21.74	12.50
DDHD1	1.83	0.00	12.96	11.26	15.01	13.48	26.77
DDHD2	-1.12	0.66	6.54	5.35	8.22	6.68	5.81
DDIAS	1.08	0.66	19.04	10.16	12.66	14.72	15.15
DDIT3	1.11	0.62	6.88	8.92	7.70	8.04	9.72
DDIT4	4.17	0.00	129.47	245.00	670.48	221.62	1131.87
DDO	8.73	0.00	0.23	0.00	0.26	0.11	1.64
DDOST	-1.41	0.01	272.93	313.08	334.59	292.62	197.74
DDR1	1.21	0.31	60.66	78.79	63.71	53.79	88.13
DDR2	1.53	0.01	101.49	96.35	87.07	152.54	151.77
DDRGK1	1.32	0.14	10.32	10.43	6.53	9.97	12.37
DDT	1.98	0.00	13.88	32.67	22.32	15.40	50.63
DDX1	-1.57	0.00	138.53	141.37	158.22	134.99	74.37
DDX10	2.46	0.00	2.18	3.71	3.79	3.62	9.85
DDX11	-1.19	0.47	20.64	12.35	17.36	23.78	12.50
DDX17	-1.29	0.14	1064.64	758.75	1110.69	1129.83	681.97
DDX19A	1.13	0.51	24.20	21.69	20.10	19.93	23.74
DDX19B	1.18	0.36	10.44	8.37	8.09	9.85	11.74
DDX20	-1.22	0.20	33.60	28.69	26.63	25.03	21.09
DDX21	1.68	0.00	28.78	34.18	35.51	27.52	59.60
DDX23	1.17	0.25	39.22	45.84	43.86	43.37	49.24
DDX24	1.08	0.66	49.88	53.80	43.60	47.34	59.35
DDX25	1.24	0.63	0.46	1.51	1.83	0.91	0.76
DDX27	1.39	0.04	14.79	18.67	14.23	14.50	21.21
DDX28	1.32	0.31	2.64	4.94	3.92	5.32	5.81
DDX31	-1.42	0.01	195.63	233.75	191.64	219.92	124.75
DDX39A	-1.45	0.02	31.65	32.94	26.89	24.69	21.47
DDX39B	-1.03	0.89	168.69	133.83	166.32	163.64	156.95

DDX3X	1.56	0.00	212.72	203.28	210.44	234.41	341.68
DDX41	1.49	0.13	42.77	54.63	51.44	76.21	53.41
DDX42	-1.23	0.16	138.76	140.00	130.81	117.66	108.34
DDX46	-1.11	0.56	108.94	86.20	109.92	100.90	81.32
DDX47	1.19	0.35	11.01	11.67	13.32	13.82	14.90
DDX49	1.08	0.69	8.37	12.35	7.31	8.83	9.60
DDX5	-1.24	0.15	371.89	307.73	346.21	327.84	289.66
DDX50	1.22	0.22	29.47	37.47	42.30	36.35	37.00
DDX51	-1.51	0.01	16.86	12.63	15.01	12.80	9.09
DDX52	1.03	0.92	16.86	17.71	16.84	15.06	16.16
DDX54	1.61	0.00	21.33	31.43	23.50	21.52	47.10
DDX55	1.01	0.97	11.81	8.65	13.05	10.98	12.25
DDX56	1.01	0.96	10.32	10.84	9.92	8.95	11.24
DDX58	1.03	0.81	10.78	3.57	6.14	3.85	7.70
DDX59	-1.05	0.80	14.91	13.59	12.66	12.57	12.25
DDX6	-1.29	0.15	769.81	532.97	622.05	616.16	448.88
DEAF1	1.11	0.77	2.87	4.53	4.31	5.55	3.03
DEC R1	-1.64	0.00	14.68	12.22	14.49	14.95	6.69
DEC R2	1.00	0.95	8.83	9.33	8.09	14.04	10.48
DEDD	1.42	0.02	21.79	21.96	19.84	22.99	36.49
DEDD2	1.43	0.20	5.05	5.49	3.26	3.96	7.95
DEF6	1.19	0.65	2.18	3.43	2.35	3.28	4.29
DEF8	-1.05	0.81	17.66	18.26	17.36	15.29	16.54
DEFB10	40.64	0.00	0.11	0.00	0.00	0.00	2.27
DEGS1	-1.00	0.97	56.99	79.33	65.01	61.83	58.84
DEK	-1.30	0.07	235.08	270.94	246.99	254.34	177.03
DENND1A	-1.34	0.10	29.47	20.04	32.24	20.50	20.20
DENND1B	-1.40	0.03	32.34	21.96	28.07	26.73	19.57
DENND2A	1.07	0.84	26.26	19.22	17.62	26.16	31.31
DENND2C	-1.05	0.88	3.78	1.37	4.57	1.93	4.04
DENND2D	2.00	0.05	7.34	4.53	10.57	2.49	15.15
DENND3	2.20	0.00	4.24	3.71	3.79	5.78	9.22
DENND4A	1.83	0.00	26.15	29.10	24.15	23.21	53.41
DENND4B	1.19	0.37	37.04	25.26	34.86	37.48	33.46
DENND4C	1.34	0.11	72.59	57.92	48.04	60.47	107.71
DENND5A	-1.00	0.97	137.95	154.55	147.91	153.10	155.06
DENND5B	-1.78	0.40	0.57	0.82	3.26	0.91	0.63
DENND6A	-1.22	0.23	23.51	20.04	26.63	29.10	23.36
DENND6B	1.13	0.60	12.50	7.69	9.53	12.80	10.86
DENR_1	-1.28	0.37	3.33	5.08	4.05	3.96	2.65
DENR_2	-1.22	0.62	1.95	2.06	1.31	1.36	1.64
DEPDC1B	-3.45	0.00	4.93	5.49	6.01	4.19	0.51
DEPDC5	-1.10	0.64	19.84	14.82	13.84	15.40	17.30
DEPDC7	-2.90	0.00	3.55	3.57	4.57	2.83	0.88
DERA	1.52	0.01	11.93	16.75	13.19	14.50	19.95
DERL1	-1.16	0.32	103.67	94.57	107.70	94.10	93.31
DERL2	1.13	0.47	26.95	49.28	36.03	34.99	48.11

DES	-2.21	0.01	2.41	2.61	2.35	2.49	0.88
DESI1	1.05	0.79	24.08	30.61	30.68	25.59	32.07
DESI2	1.09	0.69	8.37	7.14	9.27	9.29	8.84
DET1	1.23	0.38	5.96	5.90	2.48	4.64	6.69
DEXI	1.21	0.32	17.77	27.18	19.32	22.99	29.42
DFFA	1.31	0.10	8.49	8.92	10.05	8.49	12.12
DFFB	1.40	0.16	4.01	3.84	4.96	5.66	4.92
DFNA5	-1.09	0.75	1.72	2.20	3.26	1.13	3.28
DFNB31	1.79	0.16	1.03	2.88	0.13	0.79	3.79
DFNB59	-1.82	0.18	2.06	3.02	3.39	0.79	1.52
DGAT1	-1.22	0.28	48.28	30.47	34.86	37.14	28.03
DGAT2	-1.65	0.11	5.16	3.16	3.39	3.17	1.26
DGCR14	1.24	0.52	1.95	2.88	1.57	1.13	2.02
DGCR2	-1.37	0.02	78.78	80.16	77.15	72.70	55.05
DGCR6L	-1.22	0.27	19.95	26.35	19.84	16.53	16.54
DGCR8	-1.29	0.08	98.28	76.18	77.81	83.91	62.00
DGKA	1.38	0.05	10.89	9.06	11.36	9.17	12.00
DGKD	1.84	0.00	15.48	20.18	15.80	17.89	30.05
DGKE	-1.30	0.23	8.14	7.41	8.22	6.57	4.17
DGKH	1.49	0.03	11.70	8.10	10.44	14.38	21.59
DGKQ_1	1.60	0.01	5.50	6.73	7.70	7.47	13.01
DGKZ	-1.17	0.34	27.41	34.73	28.72	25.59	23.61
DGUOK	-1.09	0.67	25.57	28.41	32.90	22.08	24.24
DHCR24	-1.01	0.94	60.66	73.43	53.92	59.68	55.94
DHCR7	-1.34	0.08	76.37	97.31	95.43	66.70	59.22
DHDDS	-1.35	0.08	12.16	11.53	12.27	10.19	7.95
DHDH	1.78	0.03	2.06	2.88	1.83	2.49	5.43
DHFR	-1.77	0.00	45.18	54.08	52.61	48.24	28.03
DHODH	1.07	0.80	1.26	2.75	3.00	1.13	2.65
DHPS	1.04	0.84	15.14	19.49	18.54	18.80	19.70
DHRS1	-1.45	0.01	44.49	45.98	52.09	40.43	21.72
DHRS11	-1.07	0.69	21.33	19.22	19.19	18.91	17.68
DHRS12	2.74	0.00	1.95	2.06	1.96	1.59	5.05
DHRS13	2.65	0.00	2.41	3.29	2.74	3.62	7.07
DHRS3_1	-1.99	0.00	46.90	63.41	56.13	41.79	25.25
DHRS3_2	-1.85	0.00	102.40	127.10	111.49	89.01	55.68
DHRS3_3	-1.79	0.00	95.98	131.08	103.52	87.88	56.69
DHRS4	1.84	0.01	4.47	7.00	4.44	6.00	14.14
DHRS7	2.01	0.03	2.75	1.51	2.87	2.26	3.28
DHRS7B	-1.10	0.68	6.65	6.86	7.70	8.04	5.56
DHRSX	1.71	0.06	1.49	1.78	1.83	2.26	2.90
DHTKD1	1.20	0.32	51.03	47.08	42.17	67.61	49.62
DHX15	-1.18	0.29	115.94	99.24	112.40	108.15	84.47
DHX16	1.09	0.67	28.55	18.80	22.32	24.57	23.23
DHX29	-1.31	0.04	53.21	44.33	48.56	54.92	35.99
DHX30	-1.24	0.15	57.34	64.65	49.61	48.81	48.23
DHX32	1.04	0.85	81.88	63.14	72.19	66.59	88.77

DHX33	-1.27	0.18	13.88	12.08	16.06	15.97	10.35
DHX34	1.74	0.00	8.14	9.33	8.62	8.61	15.91
DHX35	1.28	0.23	8.26	6.18	5.87	7.36	10.23
DHX36	1.08	0.62	37.50	38.43	35.77	28.88	39.14
DHX37	1.63	0.01	18.23	8.65	9.92	12.68	22.48
DHX38	1.09	0.60	25.46	23.33	23.24	23.10	27.02
DHX40	1.21	0.18	40.25	43.92	41.64	51.19	48.23
DHX57	-1.28	0.16	149.54	93.88	128.59	138.95	100.00
DHX58	2.33	0.00	2.75	1.51	3.00	3.17	7.95
DHX8	1.14	0.35	45.18	48.73	45.43	42.81	48.61
DHX9	-1.26	0.10	132.79	141.65	144.12	150.39	107.20
DIABLO	1.04	0.82	28.78	38.57	30.94	24.91	31.82
DIAPH1	1.73	0.00	17.89	17.43	13.71	16.87	39.65
DIAPH2	1.67	0.10	1.72	1.51	1.44	1.93	3.28
DIAPH3	-3.33	0.00	56.42	52.16	53.13	51.98	13.01
DICER1	-1.17	0.33	87.27	71.65	83.81	86.86	67.17
DIDO1	-1.19	0.22	63.87	64.37	60.57	66.47	52.91
DIEXF	-1.02	0.93	32.80	25.67	32.11	27.52	30.05
DIMT1	-1.17	0.38	14.79	14.69	14.75	12.34	13.13
DIP2A	-1.57	0.00	37.61	28.27	35.90	43.03	22.60
DIP2B	-1.32	0.04	67.77	61.35	55.09	51.19	46.21
DIP2C	1.15	0.50	118.80	144.94	112.66	126.04	128.79
DIRC2	1.37	0.16	4.24	4.53	3.13	4.19	5.30
DIS3	1.23	0.18	22.36	15.65	24.67	24.80	25.38
DIS3L	-1.02	0.94	85.43	71.24	69.19	92.63	67.17
DIS3L2	1.23	0.30	8.49	6.31	7.44	7.59	9.60
DISC1	-1.42	0.24	6.65	3.29	4.05	3.85	3.79
DISP1	-1.59	0.00	29.24	26.63	27.55	23.55	11.62
DIXDC1	-2.06	0.00	150.80	171.30	210.18	127.29	53.79
DKC1	-1.11	0.51	45.76	51.47	49.35	43.49	41.04
DKK1	1.95	0.23	0.69	0.82	2.61	0.79	3.79
DKK3	5.05	0.00	7.80	7.82	6.79	5.32	31.19
DKKL1	-1.94	0.00	19.38	24.29	18.54	13.02	8.21
DLAT	-1.44	0.04	44.61	37.33	30.94	27.86	19.82
DLC1	-2.11	0.00	101.14	49.28	87.07	63.87	27.91
DLD	1.11	0.49	40.02	44.33	45.17	48.47	47.60
DLEC1	-1.11	0.90	5.16	2.20	1.96	2.83	2.65
DLG1	1.27	0.11	54.47	75.08	67.49	79.16	87.63
DLG2	-1.73	0.11	2.98	1.37	2.87	2.83	2.02
DLG3	1.09	0.69	32.57	37.47	38.51	33.63	36.24
DLG4	1.06	0.79	27.75	23.88	21.54	23.89	30.05
DLG5	1.21	0.21	94.26	95.81	81.46	90.14	122.23
DLGAP1	-1.63	0.12	4.59	4.25	4.70	2.49	3.16
DLGAP3	-1.42	0.18	5.96	3.57	6.01	4.76	2.78
DLGAP4	1.08	0.66	18.69	14.96	14.10	10.76	17.30
DLGAP5	-2.64	0.00	35.21	35.69	32.77	26.27	10.10
DLK1	-1.07	0.94	299.53	816.68	108.61	383.89	198.62

DLL1	1.05	0.80	6.19	7.96	7.44	11.55	9.22
DLL4	5.16	0.00	1.26	1.10	2.35	1.93	13.01
DLST	1.00	0.92	34.29	60.39	42.17	27.52	35.23
DLX5	-1.43	0.13	11.70	11.94	12.79	6.57	7.95
DLX6	-1.31	0.40	3.55	6.04	8.22	4.64	4.42
DMAP1	-1.08	0.70	13.42	11.80	13.58	12.12	12.63
DMC1	-2.47	0.03	2.52	2.61	4.31	0.91	0.88
DMD	1.25	0.29	42.54	24.71	24.93	24.46	31.95
DMGDH	-3.64	0.00	1.49	1.92	0.91	1.25	0.25
DMPK	-1.59	0.00	9.86	10.98	10.70	10.53	6.69
DMRTA1	-2.54	0.01	4.01	2.75	2.22	3.28	0.51
DMTF1	-1.04	0.85	32.45	27.73	44.52	36.01	32.58
DMWD	-1.17	0.40	36.93	34.31	29.63	23.67	25.00
DMXL1	-1.04	0.81	64.33	53.53	63.71	64.89	66.16
DMXL2	3.60	0.01	2.29	0.55	1.96	1.36	7.95
DNA2	-2.40	0.00	15.71	14.96	14.36	11.66	3.79
DNAAF2	-1.22	0.22	16.28	17.98	16.06	14.50	15.53
DNAAF5	1.05	0.79	17.32	15.65	15.40	17.21	17.17
DNAH10	-4.35	0.00	9.98	3.29	4.57	5.44	1.39
DNAH12	1.10	0.69	16.51	12.49	14.75	17.78	20.83
DNAH17	2.38	0.00	3.90	1.51	2.22	2.72	7.07
DNAH9	-3.44	0.09	0.92	6.04	0.39	1.93	0.13
DNAJA1	1.03	0.93	2.41	3.43	3.26	2.15	2.27
DNAJA2	1.05	0.80	11.81	12.35	13.58	11.66	12.00
DNAJA3	1.17	0.35	13.30	15.10	15.80	15.29	18.31
DNAJA4	-1.21	0.42	9.86	6.31	8.22	10.31	8.46
DNAJB1	-1.49	0.08	97.47	155.79	79.76	72.48	63.89
DNAJB11	1.08	0.70	40.94	52.57	42.95	26.05	50.51
DNAJB12	1.02	0.92	7.34	6.31	6.01	8.72	7.07
DNAJB14	-1.05	0.82	18.35	13.45	18.67	17.55	17.68
DNAJB2	1.05	0.79	21.33	27.04	15.93	20.50	18.81
DNAJB4	-1.53	0.03	11.93	10.57	19.32	14.16	7.58
DNAJB5	-1.65	0.12	2.06	2.47	2.22	1.81	0.76
DNAJB6	1.05	0.84	33.14	32.80	28.07	34.77	37.38
DNAJB9	2.06	0.00	19.95	17.57	19.32	20.16	51.39
DNAJC1	1.03	0.90	25.00	31.84	27.15	28.08	29.17
DNAJC10	-1.16	0.40	19.84	18.39	22.45	25.14	19.19
DNAJC11	-1.14	0.54	24.88	24.71	31.20	18.57	18.44
DNAJC12	1.07	0.89	1.61	0.82	0.52	1.02	0.88
DNAJC13	1.22	0.17	75.34	69.73	77.28	78.93	91.42
DNAJC14	-1.12	0.47	62.15	72.33	71.15	63.87	55.94
DNAJC15	-1.07	0.81	5.73	8.92	9.92	8.49	5.81
DNAJC16	-1.00	0.99	24.08	22.51	18.15	24.91	25.00
DNAJC17	1.22	0.37	6.19	5.90	7.18	5.10	8.46
DNAJC18	-1.01	0.96	40.82	49.82	55.74	46.20	43.81
DNAJC19	-1.25	0.35	5.62	6.59	4.96	5.55	5.56
DNAJC2	-1.24	0.14	45.07	39.26	35.38	35.67	33.59

DNAJC21	2.22	0.00	11.01	21.82	13.84	10.87	37.50
DNAJC22	2.52	0.10	0.80	0.55	0.52	1.70	4.92
DNAJC24	-1.25	0.18	20.41	14.96	19.45	20.72	15.78
DNAJC25	-1.07	0.72	12.84	13.18	13.84	11.78	11.62
DNAJC27	-1.15	0.79	26.60	40.63	11.88	12.57	33.97
DNAJC28	-1.14	0.61	7.45	8.51	5.09	7.81	6.69
DNAJC3	1.10	0.56	75.57	63.55	65.14	75.42	80.69
DNAJC30	-1.26	0.29	7.00	5.90	6.66	7.25	4.42
DNAJC4	-1.68	0.12	2.18	3.02	2.35	1.47	1.39
DNAJC5	1.01	0.96	23.62	23.20	24.67	19.93	22.48
DNAJC6	-2.06	0.00	8.14	11.26	15.80	12.12	4.42
DNAJC7	-1.13	0.42	33.94	29.78	30.55	29.44	29.04
DNAJC8	-1.17	0.33	31.88	44.20	35.25	35.90	34.72
DNAJC9	-2.51	0.00	15.25	13.31	13.97	12.80	4.17
DNAL1	1.35	0.12	5.62	5.22	6.79	5.55	8.46
DNAL4	-1.11	0.79	1.38	1.10	2.35	2.26	2.15
DNALI1	-1.78	0.17	1.15	2.06	1.44	0.79	0.88
DNASE1	-1.50	0.03	13.53	8.92	10.18	9.74	7.45
DNASE1L1	-1.22	0.23	20.30	20.45	18.28	22.20	19.19
DNASE2	2.09	0.00	11.12	12.49	10.84	16.19	27.15
DNER	1.23	0.85	1.83	2.61	10.57	10.87	0.88
DNHD1	-4.11	0.01	22.36	3.16	6.92	3.17	2.78
DNLZ	1.54	0.08	2.18	4.12	4.57	3.17	6.69
DNM1	1.14	0.49	59.97	34.31	42.95	68.51	48.99
DNM1L	-1.31	0.07	19.04	17.02	17.23	18.91	14.27
DNM2	-1.06	0.72	65.48	56.28	54.31	53.11	52.02
DNM3	1.52	0.19	1.95	1.10	1.04	2.72	2.78
DNMBP	1.50	0.02	69.84	63.28	48.43	98.07	85.10
DNMT1	-1.57	0.00	111.23	101.84	99.21	105.20	51.52
DNMT3A	-1.13	0.46	97.59	77.00	89.03	96.37	67.43
DNMT3B	-2.52	0.00	3.90	3.98	3.00	2.38	0.76
DNPEP	1.28	0.18	15.48	16.06	15.80	15.40	27.15
DNPH1	-1.43	0.03	11.12	10.71	13.05	10.98	8.08
DNTTIP1	-1.27	0.16	16.74	22.78	19.32	15.40	15.03
DNTTIP2	-1.16	0.30	47.25	43.78	48.43	52.21	37.75
DOCK1	-1.24	0.17	96.10	75.77	79.50	99.31	66.80
DOCK10	1.45	0.31	21.90	15.10	12.27	26.50	34.47
DOCK11	1.53	0.00	14.79	17.02	14.88	24.46	28.54
DOCK2	1.12	0.90	4.36	4.94	2.74	3.40	7.07
DOCK3	2.23	0.00	3.10	1.10	2.48	1.70	3.54
DOCK4	1.60	0.48	1.26	0.96	1.96	2.04	0.88
DOCK6	1.79	0.00	9.52	8.51	13.45	9.63	16.29
DOCK7	-1.57	0.00	80.96	71.65	74.41	81.42	46.21
DOCK8	1.12	0.71	3.10	5.49	12.14	5.10	6.44
DOCK9_1	2.41	0.00	15.94	12.76	11.62	19.70	52.02
DOHH	-1.17	0.38	20.99	19.90	19.84	17.44	17.42
DOK1	1.11	0.64	85.89	58.20	54.70	60.81	78.03

DOK2	-2.69	0.01	1.38	1.37	1.44	1.47	0.38
DOK4	1.51	0.21	2.41	2.06	1.57	2.26	2.15
DOK5_1	-3.30	0.01	2.29	4.80	1.17	5.78	1.14
DOK6	1.04	0.85	0.69	1.78	3.92	1.59	0.51
DOLK	1.23	0.37	8.94	11.94	8.09	8.38	16.16
DOLPP1	-1.61	0.00	24.43	23.33	21.54	18.46	12.25
DONSON	-1.43	0.03	29.59	19.22	22.45	22.54	16.54
DOPEY1	-1.58	0.01	41.17	33.49	46.87	25.71	25.63
DOPEY2	-1.00	0.89	1.83	0.69	1.83	1.70	1.01
DOT1L	-1.16	0.33	56.76	45.57	51.83	55.83	47.10
DPAGT1	1.52	0.00	12.73	14.82	13.19	13.59	19.57
DPCD	-1.06	0.88	4.47	5.63	3.00	4.64	4.17
DPF1	-3.21	0.00	5.62	8.65	6.66	6.68	1.77
DPF2	1.22	0.17	42.54	43.24	39.95	46.20	58.71
DPH1	1.26	0.26	5.16	7.14	7.18	6.45	7.07
DPH2	1.03	0.87	10.32	6.86	6.92	6.91	6.44
DPH3	1.04	0.86	24.08	28.69	25.20	26.50	25.38
DPH5	1.22	0.22	12.84	11.80	16.32	15.51	17.42
DPH6	-1.45	0.15	6.19	4.39	4.44	4.19	2.65
DPH7	-1.85	0.00	34.06	26.49	24.54	24.35	10.61
DPM1	-1.22	0.17	43.81	41.18	51.57	45.98	32.32
DPM2	-1.55	0.01	22.71	33.08	26.63	21.40	14.77
DPM3	1.26	0.32	3.33	6.04	5.61	3.17	5.93
DPP3	1.18	0.30	21.67	18.80	19.71	17.21	25.51
DPP7	1.01	0.97	23.62	19.08	27.94	16.99	20.83
DPP8	-1.05	0.78	52.41	38.71	41.77	43.94	41.92
DPP9	-1.11	0.59	19.15	22.37	15.80	18.80	17.93
DPT	-4.46	0.00	5.39	12.63	5.74	13.36	0.13
DPY19L1	-1.01	0.95	80.39	69.31	79.76	82.55	87.12
DPY19L3	1.04	0.82	17.89	20.18	23.24	20.84	18.44
DPY19L4	1.12	0.50	46.33	46.39	50.00	46.20	60.36
DPY30	-1.18	0.33	22.93	28.82	25.20	21.63	20.20
DPYD	2.02	0.00	12.38	8.65	9.53	13.93	19.45
DPYSL2	-1.61	0.00	407.55	470.65	484.59	351.85	228.29
DPYSL3	-1.16	0.68	3.44	1.78	3.79	2.49	2.02
DPYSL4	-3.34	0.00	0.69	1.78	1.31	1.81	0.13
DR1	-1.24	0.14	62.15	71.65	83.68	73.72	57.07
DRAM1	5.53	0.00	1.03	0.69	1.44	2.26	8.59
DRAM2	1.37	0.07	11.12	8.10	10.97	10.98	16.79
DRAP1	-1.23	0.19	38.65	50.37	44.12	35.67	38.39
DRG1	-1.21	0.38	9.17	11.39	9.53	7.47	7.45
DRG2	-1.00	1.00	14.91	14.96	12.53	15.74	15.78
DROSHA	1.03	0.90	19.61	17.43	17.88	20.16	21.34
DSC2	-1.08	0.74	3.10	3.84	2.48	2.83	1.52
DSCAML1	10.77	0.00	0.23	0.27	0.13	0.00	1.52
DSCC1	-3.11	0.00	17.09	17.02	18.02	16.99	3.91
DSCR3	1.09	0.61	10.09	15.78	13.32	20.27	16.67

DSE	-1.58	0.03	70.75	101.57	59.92	117.77	37.50
DSEL	1.05	0.85	6.31	4.67	5.09	6.34	4.92
DSG2	-2.20	0.00	31.99	22.51	32.24	16.19	9.22
DSN1	-2.40	0.00	9.17	7.41	6.79	7.47	2.27
DSP	-1.06	0.87	11.35	8.10	3.92	13.02	7.07
DSTN	-1.10	0.66	88.18	132.45	104.96	81.76	103.29
DSTYK	-1.09	0.59	45.07	42.41	40.60	49.15	38.39
DTD1	1.10	0.75	7.91	10.02	10.97	9.29	12.75
DTD2	-1.12	0.84	2.64	2.88	0.91	3.28	1.89
DTL	-3.39	0.00	45.30	50.24	45.17	44.28	8.59
DTNA	-4.34	0.29	4.93	0.82	5.61	0.00	0.25
DTNB	2.02	0.00	13.07	7.96	7.96	9.74	21.72
DTNBP1	1.21	0.44	6.31	8.92	7.96	4.64	11.49
DTWD1	1.80	0.00	8.26	7.14	8.35	8.27	17.17
DTWD2	-1.11	0.70	4.59	5.49	6.40	7.47	5.18
DTX2	2.68	0.00	6.31	7.82	6.01	6.00	21.59
DTX3	1.09	0.67	36.01	30.33	34.33	40.20	39.27
DTX3L	1.90	0.00	4.47	3.98	3.26	6.34	8.59
DTX4	1.04	0.78	13.30	18.39	7.05	7.36	13.01
DTYMK	-2.39	0.00	15.25	19.49	15.67	15.85	5.68
DUS1L	-1.20	0.28	21.33	25.12	22.45	20.95	15.15
DUS2	-1.12	0.65	5.62	5.90	6.92	5.66	4.80
DUS3L	2.24	0.00	4.36	3.84	5.48	4.98	10.61
DUS4L	-1.26	0.37	10.66	5.63	9.14	7.59	5.93
DUSP1	2.29	0.00	9.63	11.94	5.74	17.21	26.64
DUSP11	1.23	0.21	16.05	12.49	10.57	16.42	18.06
DUSP12	-1.03	0.92	17.55	20.59	12.79	16.65	19.07
DUSP14	-1.85	0.01	8.03	4.94	5.48	4.87	3.41
DUSP15	-1.27	0.24	7.22	8.10	6.79	7.02	5.68
DUSP16	1.71	0.01	2.87	4.25	3.79	6.57	8.08
DUSP18	1.15	0.59	6.77	6.86	6.01	9.17	9.60
DUSP19	1.08	0.69	15.14	13.31	14.75	17.89	13.38
DUSP22	1.19	0.59	5.05	5.90	5.22	6.79	7.45
DUSP23	1.39	0.45	0.69	1.24	1.31	1.47	1.52
DUSP26	-1.56	0.32	16.63	9.75	4.96	23.21	6.69
DUSP3	1.36	0.48	2.75	2.33	2.87	1.13	4.80
DUSP4	5.99	0.00	0.00	0.27	0.13	0.79	1.14
DUSP5	6.68	0.00	0.34	0.41	0.00	0.79	2.90
DUSP6	13.51	0.00	1.03	0.41	1.31	2.26	23.11
DUSP7	1.24	0.17	25.00	35.55	31.72	35.78	32.58
DUSP9	-5.07	0.00	1.38	1.10	3.92	0.79	0.38
DUT	-2.07	0.00	59.97	72.47	58.88	50.17	27.15
DVL1	2.01	0.00	13.42	9.75	12.14	13.25	27.53
DVL2	-1.19	0.27	33.48	35.41	27.81	30.12	26.77
DVL3	-1.16	0.39	240.59	218.10	243.08	183.79	190.66
DXO	1.42	0.08	5.16	6.04	4.96	4.53	6.31
DYDC1	-6.37	0.00	17.09	14.41	16.19	7.36	2.78

DYDC2	-15.07	0.00	7.00	5.49	9.66	3.51	0.25
DYM	-1.00	0.97	32.57	39.39	35.12	36.24	39.27
DYNC1H1	-1.24	0.14	412.83	424.26	418.01	382.54	302.54
DYNC1I1	-3.17	0.00	11.70	7.82	11.75	5.78	3.03
DYNC1I2	-1.07	0.68	73.39	77.55	77.54	71.34	72.98
DYNC1LI1	1.04	0.87	24.43	25.53	22.98	24.80	29.04
DYNC1LI2	1.05	0.79	27.75	22.65	26.11	28.08	27.53
DYNC2H1	1.18	0.30	33.37	27.45	32.24	35.78	40.66
DYNC2LI1	1.06	0.79	10.09	13.86	11.75	13.36	12.75
DYNLL2	-1.49	0.01	185.20	163.47	134.59	122.64	94.32
DYNLRB1	-1.26	0.12	38.76	41.59	33.03	31.59	32.58
DYNLRB2	1.41	0.34	1.49	0.41	0.52	1.93	1.39
DYNLT1	1.38	0.14	11.93	10.29	13.58	8.15	18.69
DYNLT3	-1.02	0.91	19.15	17.84	18.41	20.27	17.80
DYRK1A	1.10	0.54	98.05	84.96	85.64	99.43	101.14
DYRK1B	1.10	0.69	9.29	10.84	8.88	9.17	8.08
DYRK2	-1.09	0.60	48.51	61.90	51.17	45.64	55.81
DYRK3	1.84	0.00	2.98	4.94	5.09	3.62	7.58
DYRK4	-3.73	0.01	1.83	1.37	1.31	0.45	0.25
DYSF	-1.15	0.72	2.64	2.33	4.83	4.76	3.03
DYX1C1	1.52	0.20	1.38	1.51	2.09	1.02	2.15
DZANK1	-1.65	0.03	5.62	5.35	4.18	4.76	2.15
DZIP1	-1.21	0.25	216.96	194.63	183.16	240.64	150.76
DZIP3	-1.81	0.00	39.45	31.29	45.69	50.05	15.78
E2F1	-3.73	0.00	42.20	51.06	45.69	37.14	7.45
E2F2	-2.32	0.00	12.73	13.59	10.18	8.27	3.79
E2F3	1.04	0.96	3.21	2.47	3.52	4.19	3.66
E2F4	-1.11	0.53	32.91	35.41	28.20	27.86	30.43
E2F5	1.81	0.02	3.33	3.16	6.53	2.94	9.47
E2F6	-1.30	0.16	18.35	14.00	23.37	14.95	13.38
E2F7	-4.42	0.00	25.23	19.35	19.19	16.31	2.78
E2F8	-2.38	0.00	8.14	7.41	6.79	8.04	1.64
E4F1	-1.11	0.59	11.81	10.57	10.84	12.12	7.70
EAF1	1.04	0.81	21.33	26.08	24.15	24.35	23.23
EAF2	-1.47	0.34	1.38	2.61	2.22	1.25	1.26
EAPP	1.66	0.00	16.40	18.26	15.80	16.53	29.93
EAR52	-1.36	0.09	24.77	20.86	15.67	22.88	18.81
EBAG9	-1.31	0.07	52.29	64.51	63.84	47.79	39.40
EBF1	-1.05	0.86	39.22	44.75	60.57	38.39	40.28
EBF4	-1.65	0.00	32.68	28.27	26.63	31.59	18.31
EBNA1BP2	1.57	0.01	10.09	14.14	13.84	12.12	23.11
EBP	-1.26	0.21	12.50	14.41	11.49	10.42	8.97
EBPL	-1.60	0.00	19.95	26.22	19.71	17.33	10.35
ECD	-1.11	0.58	15.60	19.49	21.93	21.18	12.75
ECE1	2.45	0.00	3.67	3.57	3.13	5.66	10.61
ECE2	1.23	0.27	10.44	9.75	14.88	9.17	15.53
ECH1	1.09	0.64	20.41	19.22	18.80	19.59	23.23

ECHDC1	-1.10	0.60	70.87	94.57	96.60	82.89	84.60
ECHDC2	1.49	0.01	19.61	11.53	13.19	14.38	23.99
ECHDC3	-1.47	0.07	33.14	24.57	30.29	51.53	18.18
ECHS1	-1.17	0.45	11.35	12.49	12.66	8.61	10.48
ECI1	-1.14	0.61	21.10	42.96	34.86	29.67	21.84
ECI2	-1.12	0.58	11.93	12.22	16.06	14.38	12.50
ECM1	111.04	0.00	4.24	9.88	6.01	9.40	615.93
ECM2	-2.04	0.01	4.93	3.57	4.31	6.57	2.53
ECSIT	1.18	0.47	4.47	7.14	6.14	7.93	8.33
ECT2	-2.47	0.00	69.84	75.63	79.89	69.98	27.02
EDC3	-1.17	0.45	12.73	11.94	9.53	10.42	7.83
EDC4	-1.08	0.62	48.39	51.47	43.60	48.02	41.04
EDEM1	1.17	0.27	46.33	46.39	51.96	48.92	61.24
EDEM2	1.69	0.01	13.53	12.76	6.92	12.12	17.93
EDEM3	-1.35	0.04	175.11	149.20	172.71	176.21	115.41
EDF1	1.41	0.05	36.70	55.31	45.30	36.58	79.42
EDIL3	-2.45	0.00	1884.91	2044.57	2002.31	1664.45	532.85
EDN3	-5.65	0.00	1.72	3.57	1.31	3.06	0.25
EDNRA	4.94	0.00	6.88	9.06	12.27	9.06	36.87
EDRF1	1.06	0.76	29.47	21.41	25.85	27.29	24.87
EEA1	-1.04	0.85	90.25	67.39	85.64	88.10	82.20
EED	-1.08	0.68	21.56	19.49	21.93	23.67	18.56
EEF1A1	1.40	0.02	731.39	971.36	1078.05	829.96	1322.28
EEF1AKMT1	1.21	0.31	17.32	14.82	10.97	15.97	16.92
EEF1B2	1.43	0.02	142.54	219.47	196.60	172.92	284.86
EEF1D	1.41	0.03	80.16	134.10	115.27	93.20	166.55
EEF1E1	1.70	0.00	10.44	8.37	10.84	6.91	18.18
EEF1G	1.26	0.15	400.67	641.26	563.83	415.15	722.25
EEF2	1.47	0.11	2588.09	1850.36	3124.88	2315.37	3361.76
EEF2K	1.06	0.77	40.37	31.57	42.04	34.65	44.45
EEF2KMT	-1.15	0.81	1.72	3.29	1.31	1.47	1.52
EEFSEC	-1.06	0.81	12.84	12.90	11.36	9.51	12.63
EEPД1	1.24	0.75	0.92	1.24	1.17	1.47	2.53
EFCAB1	-5.79	0.00	2.18	3.02	2.09	2.38	0.13
EFCAB11	1.17	0.56	4.47	4.80	4.96	4.98	5.56
EFCAB14	1.04	0.85	103.55	110.49	114.88	115.05	113.89
EFCAB2	1.90	0.04	1.61	1.37	1.31	2.38	3.79
EFCAB5	-4.90	0.00	0.69	1.24	1.70	1.02	0.38
EFCAB7	-1.14	0.54	11.81	13.45	14.36	18.23	10.99
EFEMP1	-2.79	0.00	51.03	41.04	47.39	19.14	9.60
EFEMP2	-1.83	0.00	696.19	661.71	512.00	328.40	432.97
EFHB	1.09	0.81	4.13	4.67	4.18	3.85	5.56
EFHC1	-1.04	0.87	3.33	4.25	3.92	3.06	4.92
EFHD1	10.61	0.00	6.54	10.57	15.80	10.53	137.76
EFHD2	1.78	0.00	34.86	43.92	23.11	35.11	84.85
EFL1	1.16	0.47	13.07	11.94	13.58	11.10	17.30
EFNA1	3.07	0.00	28.32	38.71	24.02	37.03	92.81

EFNA4	1.20	0.56	2.41	2.88	1.70	1.93	2.90
EFNA5	-1.03	0.91	3.90	2.06	5.87	6.00	2.78
EFNB1	1.77	0.00	29.70	19.35	22.45	22.20	47.73
EFNB2	4.84	0.00	13.99	15.92	10.57	18.23	85.36
EFNB3	-1.69	0.11	2.75	2.06	2.61	1.93	0.51
EFR3A	-1.13	0.71	354.23	193.67	256.00	122.19	299.63
EFR3B	-7.16	0.00	12.96	7.69	20.10	13.25	0.25
EFS	-1.85	0.00	77.18	73.30	84.07	68.63	35.23
EFTUD2	-1.09	0.62	92.20	85.10	92.03	103.50	81.95
EGFL7	-1.63	0.30	1.61	1.92	4.83	1.36	0.51
EGFLAM	4.63	0.00	4.59	6.86	2.48	15.74	37.63
EGFR	5.65	0.00	19.27	17.98	24.54	22.88	130.56
EGLN1	1.60	0.00	9.17	14.27	11.23	13.25	17.55
EGLN2	-1.05	0.80	43.00	31.57	44.65	37.26	33.97
EGLN3	3.80	0.00	3.33	10.29	4.05	8.38	21.21
EGR1	1.92	0.03	4.70	3.84	4.96	40.54	33.08
EGR3	5.01	0.00	0.11	0.27	0.13	0.57	2.27
EHBP1	-1.03	0.89	25.57	22.78	33.68	31.82	27.65
EHBP1L1	1.96	0.00	36.58	44.33	30.29	54.36	80.43
EHD1	1.21	0.58	1.15	1.78	1.57	0.45	1.52
EHD2	-1.08	0.72	103.78	151.81	129.76	99.43	114.02
EHD3	1.45	0.01	26.72	22.92	26.63	29.10	47.60
EHD4	-1.03	0.80	44.95	32.67	41.51	32.73	44.95
EHF	179.40	0.00	0.23	0.41	0.13	0.00	56.19
EHHADH	-1.94	0.00	13.07	11.53	14.23	10.42	5.81
EHMT1	-1.12	0.46	81.30	72.33	75.85	80.86	64.27
EHMT2	-1.07	0.68	52.52	49.55	44.26	53.90	41.79
EI24	1.45	0.01	16.97	16.61	14.10	18.35	23.36
EID2	-1.12	0.65	5.50	6.73	5.35	6.23	4.04
EIF1	-1.04	0.81	83.71	81.53	76.11	78.36	91.04
EIF1AD	1.16	0.59	4.24	5.22	5.22	3.96	5.30
EIF1AX	-1.65	0.00	83.25	116.39	93.86	79.16	52.91
EIF1B	-1.01	0.97	19.04	26.08	20.63	19.02	23.74
EIF2A	1.05	0.77	61.81	61.22	74.41	72.48	65.66
EIF2AK1	-1.07	0.65	47.48	45.71	45.69	42.58	42.68
EIF2AK2	-1.59	0.01	17.77	12.08	17.62	14.04	6.82
EIF2AK3	-1.56	0.00	145.64	122.16	130.28	141.33	83.84
EIF2AK4	1.51	0.01	59.29	53.80	79.50	74.51	84.09
EIF2B1	-1.27	0.23	17.09	12.63	15.01	10.64	13.01
EIF2B2	-1.09	0.65	16.40	16.47	12.79	14.83	13.26
EIF2B3	-1.23	0.36	8.72	9.61	11.88	7.47	6.44
EIF2B4	1.57	0.00	12.04	11.53	13.45	11.78	19.70
EIF2B5	1.15	0.37	22.93	19.63	24.67	23.78	23.61
EIF2D	1.08	0.69	16.97	15.24	16.71	18.35	18.44
EIF2S1	-1.18	0.47	6.08	8.10	7.31	6.34	4.80
EIF2S2	1.35	0.04	33.48	45.02	41.12	36.46	61.49
EIF2S3	1.58	0.01	17.89	29.92	19.19	21.97	31.82

EIF3A	1.13	0.44	154.58	144.94	147.13	145.06	171.47
EIF3B	-1.07	0.65	157.79	149.47	167.36	137.14	109.73
EIF3CL	1.40	0.01	66.40	70.96	67.49	70.32	97.48
EIF3D	1.74	0.00	59.17	67.67	64.36	62.62	110.48
EIF3E	1.61	0.00	152.75	196.83	193.60	184.36	277.41
EIF3F	1.55	0.01	59.17	91.00	56.53	59.23	121.09
EIF3G	1.35	0.03	44.95	66.71	50.91	49.15	77.28
EIF3H	1.61	0.00	67.31	87.43	77.28	76.10	130.06
EIF3I	1.40	0.01	38.99	42.00	39.42	35.56	61.49
EIF3J	1.04	0.80	41.05	59.43	42.69	36.58	54.42
EIF3K	1.26	0.18	41.51	61.90	51.04	45.30	77.02
EIF3L	1.36	0.04	77.98	99.24	93.47	81.42	119.45
EIF3M	1.84	0.00	4.82	5.49	4.83	4.98	9.85
EIF4A1	1.05	0.80	247.58	289.06	295.16	216.18	289.03
EIF4A2	1.24	0.20	95.98	120.37	146.08	112.22	117.56
EIF4A3	-1.32	0.03	74.08	72.06	72.06	69.19	52.40
EIF4B	1.45	0.03	774.40	1106.15	955.47	817.73	1544.26
EIF4E	-1.18	0.30	44.72	63.82	60.96	53.00	47.10
EIF4E2	-1.05	0.78	46.56	41.45	41.77	43.15	44.57
EIF4E3	-1.96	0.00	104.35	71.92	109.14	48.81	45.33
EIF4EBP1	1.57	0.00	10.32	16.47	14.23	11.78	22.35
EIF4EBP2	1.12	0.43	37.73	35.69	40.34	36.58	40.53
EIF4EBP3	-1.19	0.47	9.63	6.18	8.22	7.59	6.44
EIF4ENIF1	-1.22	0.15	68.92	73.30	71.02	67.83	56.69
EIF4G1	-1.08	0.68	344.02	384.73	343.86	292.73	314.79
EIF4G2	1.16	0.35	286.92	282.20	293.99	309.95	341.18
EIF4G3	-1.07	0.68	84.86	79.47	96.34	88.90	78.79
EIF4H	-1.18	0.30	87.61	104.31	90.99	89.58	73.74
EIF5	1.28	0.08	160.09	170.88	177.80	191.72	202.53
EIF5A	-1.12	0.56	135.20	164.98	147.26	112.56	133.72
EIF5A2	-1.27	0.39	4.47	3.16	4.18	3.62	2.90
EIF5B	1.21	0.32	24.08	29.65	28.46	21.40	40.41
EIF6	1.75	0.00	19.27	25.12	23.50	19.36	48.11
ELAC1	-1.08	0.66	22.25	18.39	19.84	21.74	18.31
ELAC2	1.40	0.03	10.09	10.98	9.79	8.61	13.01
ELAVL1	-1.45	0.01	60.09	76.86	67.62	65.11	41.42
ELF1	1.30	0.27	98.85	77.96	86.55	83.46	102.66
ELF2	1.59	0.00	89.56	82.08	89.95	94.22	143.19
ELF3	11.45	0.00	0.34	0.69	0.26	0.45	7.07
ELF4	1.41	0.01	29.24	37.75	32.11	27.86	47.22
ELFN2	-5.20	0.00	30.27	17.84	19.32	12.57	4.80
ELK1	1.07	0.71	17.77	18.12	25.59	27.29	20.71
ELK3	1.03	0.84	155.15	175.55	117.75	183.57	148.11
ELK4	1.65	0.00	9.06	6.59	6.53	7.59	14.90
ELL	2.33	0.00	11.93	10.71	11.49	8.83	27.53
ELL2	1.08	0.82	62.04	29.37	69.06	27.29	76.77
ELL3	5.16	0.00	1.83	0.96	0.78	0.79	6.31

ELMO1	2.24	0.00	13.42	10.16	7.31	23.44	37.88
ELMO2	-1.36	0.03	45.07	43.24	43.34	46.32	24.87
ELMO3	5.22	0.00	2.29	1.92	1.17	3.40	12.25
ELMOD2	1.05	0.79	30.39	34.18	35.25	27.40	30.30
ELMOD3	1.04	0.84	27.64	26.49	24.80	30.24	28.03
ELMSAN1	1.10	0.57	93.92	97.73	80.55	88.22	84.98
ELN	-1.40	0.03	535.99	626.71	557.17	715.24	321.86
ELOF1	-1.18	0.30	16.40	19.22	17.49	18.12	15.03
ELOVL1	1.51	0.02	32.80	34.45	27.02	26.73	45.58
ELOVL5	1.32	0.05	64.22	70.96	86.68	82.67	101.14
ELOVL6	-1.53	0.00	37.27	34.86	45.69	40.65	24.50
ELOVL7	-5.78	0.00	4.01	3.43	3.66	1.81	0.38
ELP2	-1.06	0.78	16.05	20.59	23.63	18.57	18.44
ELP3	-1.13	0.48	15.25	14.82	15.14	13.02	15.53
ELP4	-1.16	0.66	4.13	2.75	3.79	2.72	2.15
ELP5	-1.06	0.77	39.68	52.98	38.77	38.28	42.55
ELP6	1.02	0.95	16.97	13.59	15.67	13.70	17.42
EMC1	-1.77	0.00	450.21	472.30	422.19	434.40	217.18
EMC10	-1.42	0.05	186.00	296.47	190.60	198.18	153.92
EMC2	1.04	0.83	37.73	41.04	43.34	42.13	39.14
EMC3	1.86	0.00	23.62	30.47	22.45	26.27	56.32
EMC4	1.09	0.63	24.20	30.75	22.85	28.88	28.28
EMC6	1.10	0.69	7.22	8.78	7.05	7.59	10.35
EMC7	1.06	0.77	33.37	44.47	36.03	36.58	41.04
EMC8	-1.29	0.19	9.17	9.06	7.70	7.70	6.44
EMC9	-1.22	0.67	5.05	9.20	6.92	2.94	4.29
EMCN	1.24	0.57	0.34	0.14	1.96	0.68	0.63
EMD	-1.22	0.25	86.24	79.47	96.47	72.14	59.22
EME1	-2.17	0.00	40.02	38.29	38.64	28.08	14.77
EME2	1.04	0.89	8.14	7.55	6.53	7.36	7.07
EMG1	1.47	0.06	4.70	6.45	6.14	3.96	8.97
EMID1	-2.69	0.00	4.13	2.75	5.74	3.06	1.01
EMILIN1	-1.13	0.56	378.88	559.87	397.77	381.06	331.45
EMILIN2	3.29	0.00	1.03	0.82	0.39	0.23	1.77
EMILIN3	-2.53	0.00	53.44	54.08	23.76	34.43	13.89
EML1	-1.29	0.18	13.53	14.96	14.10	20.04	9.09
EML2	1.40	0.50	2.64	0.96	1.57	1.47	3.41
EML3	1.05	0.79	49.77	61.49	42.82	58.66	47.98
EML4	-1.20	0.37	21.79	19.08	25.06	14.95	22.98
EML5	1.27	0.39	3.55	1.24	4.31	3.85	4.80
EML6	-1.21	0.51	3.21	2.88	2.87	3.17	1.14
EMP1	2.31	0.00	229.58	324.75	146.21	262.72	636.52
EMP2	1.72	0.03	8.14	6.04	6.01	9.97	18.06
EMP3	1.24	0.18	59.40	74.39	57.83	67.72	92.68
EMSY	-1.15	0.32	37.61	40.90	38.38	40.88	33.84
ENAH	-1.77	0.00	220.98	263.81	254.30	228.52	100.13
ENC1	-2.07	0.00	73.97	124.49	53.65	67.49	18.44

ENDOD1	1.40	0.01	22.59	22.10	26.11	27.29	34.60
ENDOG	4.27	0.00	1.95	3.16	2.22	4.98	14.77
ENDOV	1.07	0.76	7.57	6.45	7.05	7.36	7.83
ENG	2.22	0.00	23.28	32.12	23.76	29.56	51.01
ENGASE	1.21	0.42	5.05	4.94	3.26	5.44	6.44
ENHO	-3.90	0.00	44.04	51.75	33.42	44.28	9.72
ENKD1	-1.19	0.52	3.78	4.25	3.92	4.98	3.28
ENKUR	1.86	0.04	1.15	2.20	1.17	2.26	2.27
ENO1	-1.08	0.83	813.27	1639.80	1293.06	922.82	862.16
ENO3	-1.73	0.02	12.27	10.29	10.97	6.45	3.41
ENO4	-1.89	0.04	5.50	3.16	3.79	3.51	1.89
ENOPH1	1.28	0.07	26.26	27.04	30.81	31.93	35.48
ENOSF1	1.18	0.53	4.93	6.86	6.53	6.45	7.20
ENOX1	-1.13	0.62	8.72	7.41	10.57	12.00	7.32
ENPP1	1.55	0.00	246.67	229.36	246.60	334.97	473.13
ENPP2	-2.26	0.00	227.06	240.75	210.44	247.21	60.48
ENPP4	1.07	0.73	19.04	13.18	14.10	13.93	18.69
ENSA	1.04	0.83	65.59	71.37	74.80	62.51	67.17
ENTHD2	-1.05	0.80	7.11	10.02	10.31	11.10	12.37
ENTPD2	654.44	0.00	0.23	0.00	0.00	0.11	105.05
ENTPD4	-1.05	0.80	16.74	12.22	15.80	15.17	18.81
ENTPD5	-2.12	0.00	23.51	18.94	27.81	20.95	11.74
ENTPD6	-2.05	0.00	5.62	5.49	7.18	5.32	3.79
ENTPD7	5.59	0.00	16.97	16.47	17.10	17.33	168.69
ENY2	-1.01	0.94	28.78	31.43	32.11	31.71	32.07
EOGT	1.37	0.08	14.68	10.43	14.36	14.38	23.99
EP400	1.36	0.04	87.50	70.41	70.63	90.48	124.12
EPAS1	2.50	0.00	33.71	52.43	28.59	58.43	90.79
EPB41	1.12	0.56	21.44	14.82	19.19	18.46	23.61
EPB41L1	1.79	0.00	123.28	119.82	94.65	161.03	241.30
EPB41L2	1.15	0.39	84.29	97.59	87.73	99.20	109.60
EPB41L3	-2.69	0.00	5.39	6.59	9.66	5.21	1.14
EPB41L4B	1.61	0.01	11.70	12.63	14.36	19.02	28.16
EPC1	-1.21	0.45	65.48	39.67	33.55	37.48	30.94
EPC2	-1.02	0.91	46.33	29.37	36.42	34.31	35.10
EPDR1	2.18	0.04	1.15	1.92	1.44	0.68	1.39
EPG5	1.25	0.12	30.73	26.35	27.28	32.73	35.36
EPHA1	-1.53	0.14	3.10	2.75	2.48	2.49	1.64
EPHA2	2.75	0.00	5.28	4.53	5.09	4.42	15.78
EPHA3	-1.23	0.68	1.38	1.37	1.70	4.53	3.91
EPHA4	35.43	0.00	0.11	0.00	0.00	0.23	3.28
EPHB1	1.55	0.11	4.93	13.04	4.57	22.08	12.00
EPHB2	2.12	0.00	9.75	12.35	7.96	17.21	26.52
EPHB3	-3.38	0.00	52.75	48.18	58.09	35.45	11.87
EPHB4	-1.03	0.92	69.38	90.04	61.49	71.12	82.45
EPHX1	-1.11	0.63	15.71	15.37	13.32	10.64	12.00
EPHX2	-1.70	0.24	30.27	22.37	4.83	23.44	15.40

EPHX3	1.27	0.35	4.24	3.29	2.61	3.62	5.05
EPM2A	-1.34	0.29	2.98	4.39	3.79	3.51	2.15
EPM2AIP1	-1.17	0.34	298.61	277.81	350.39	331.92	227.16
EPN1	1.09	0.62	91.17	128.88	88.38	73.27	97.48
EPN2	-1.26	0.21	16.28	17.29	23.37	23.33	13.76
EPPK1	-2.22	0.02	13.07	8.37	22.85	6.23	5.18
EPRS	-1.21	0.23	127.63	143.30	151.56	115.73	98.36
EPS15	1.75	0.00	28.67	31.71	31.85	30.12	63.39
EPS15L1	-1.40	0.01	33.83	31.84	31.07	31.48	21.72
EPS8	1.57	0.00	116.05	146.45	115.92	146.20	194.96
EPS8L1	-1.15	0.73	1.83	1.92	1.17	2.26	1.39
EPS8L2	1.66	0.04	4.47	3.02	3.52	6.68	7.20
EPSTI1	1.45	0.38	1.38	1.10	0.78	0.68	0.88
EPT1	-1.19	0.46	5.50	5.35	6.79	5.78	5.05
EPYC	-2.56	0.00	209.28	440.73	212.14	219.58	50.25
ERAL1	1.01	0.96	16.63	16.88	16.84	18.57	19.07
ERAP1	3.69	0.00	4.59	6.73	3.39	8.72	13.76
ERAP2	1.63	0.20	16.40	4.67	19.45	7.59	27.65
ERAS	1.08	0.72	2.75	1.24	2.35	0.57	2.02
ERBB2	1.41	0.16	221.78	233.06	204.96	179.60	433.73
ERBB2IP	1.25	0.16	115.59	110.35	98.56	147.90	146.85
ERC1	2.61	0.00	29.93	35.00	28.33	31.37	102.15
ERCC1	1.12	0.57	13.19	20.18	16.32	15.06	20.83
ERCC2	1.11	0.59	18.46	15.37	14.10	13.70	16.16
ERCC3	-1.08	0.67	24.88	18.94	25.06	24.01	21.21
ERCC4	-1.05	0.80	10.09	8.92	11.75	8.83	8.97
ERCC5	1.31	0.07	24.54	20.04	22.85	27.74	26.39
ERCC6	1.08	0.68	23.62	18.26	21.54	21.97	26.14
ERCC6L	-2.24	0.00	15.37	14.82	11.23	10.76	3.54
ERCC6L2	1.02	0.89	34.98	32.26	26.63	38.62	37.00
ERCC8	-1.14	0.69	7.68	9.47	7.31	4.53	6.06
EREG	137.32	0.00	0.00	0.27	0.00	0.00	14.65
ERF	-1.20	0.41	72.36	96.90	57.05	104.64	49.12
ERG	-2.59	0.00	60.09	79.33	70.89	91.50	17.55
ERGIC1	1.56	0.00	78.44	98.28	85.64	102.03	147.86
ERGIC2	1.19	0.23	40.02	45.71	36.81	33.75	50.51
ERGIC3	1.46	0.01	55.27	77.82	68.28	69.76	104.17
ERH	-1.27	0.13	34.06	46.67	42.17	33.63	29.55
ERI1_1	-1.65	0.01	6.54	7.14	7.05	7.02	4.55
ERI2	-2.51	0.00	20.41	23.47	19.19	16.31	6.57
ERI3	-1.24	0.18	20.99	23.61	25.33	19.02	17.05
ERICH1	1.39	0.32	2.75	2.06	2.74	3.62	4.67
ERLEC1	-1.24	0.14	91.40	104.31	96.08	92.41	77.28
ERLIN1	-1.07	0.70	69.95	62.31	74.02	68.06	58.46
ERLIN2	1.36	0.02	194.83	185.71	192.29	206.22	270.97
ERMAP	-1.15	0.85	4.47	3.02	1.31	2.26	2.27
ERMARD	1.13	0.56	25.80	15.37	18.15	26.73	22.60

ERMP1	1.27	0.31	10.21	7.27	9.79	8.83	9.98
ERN2	53.57	0.00	0.11	0.14	0.00	0.00	9.22
ERO1A	1.05	0.80	20.99	30.33	28.72	26.16	22.85
ERO1B	1.57	0.01	7.11	8.51	5.09	5.32	10.99
ERP29	1.23	0.19	87.27	102.39	111.88	90.14	134.35
ERP44	-1.03	0.90	101.83	102.94	113.31	90.14	94.57
ERRFI1	6.40	0.00	14.79	16.61	14.10	17.67	147.86
ESAM	1.27	0.82	0.69	0.69	1.70	0.57	0.51
ESCO1	-1.08	0.64	24.66	27.73	27.02	23.89	25.76
ESCO2	-2.74	0.00	22.25	24.84	21.54	16.31	5.30
ESD	-1.38	0.03	32.68	32.80	33.81	27.40	17.68
ESF1	1.15	0.45	16.05	17.29	14.23	14.95	19.95
ESM1	82.93	0.00	0.46	0.14	0.78	0.45	76.52
ESPL1	-2.78	0.00	79.58	73.57	62.53	61.60	17.93
ESPN	-1.25	0.50	3.90	2.06	2.09	3.28	1.77
ESPNL	1.54	0.11	2.41	1.65	2.61	2.04	4.04
ESR1_2	-2.49	0.06	3.55	0.55	4.05	2.83	0.88
ESRRA	2.48	0.00	8.49	10.29	11.62	7.13	26.77
ESYT1	2.79	0.00	22.02	21.41	22.06	27.52	91.67
ESYT2	-1.24	0.18	282.21	250.91	243.34	304.06	184.98
ETAA1	-1.07	0.67	71.10	62.86	58.75	61.04	62.63
ETF1	1.05	0.77	48.62	53.26	54.83	39.18	50.89
ETFA	1.31	0.05	20.99	23.47	23.76	20.61	27.40
ETFB	-1.08	0.73	47.48	59.71	61.49	37.82	55.56
ETFBKMT	-1.11	0.70	3.33	3.29	4.05	4.08	4.04
ETFDH	-1.04	0.85	7.91	8.24	8.49	8.04	6.44
ETHE1	2.88	0.00	2.87	3.29	3.13	2.38	10.48
ETNK1	1.02	0.93	121.44	122.71	106.26	99.54	140.66
ETNK2	-1.75	0.06	3.44	4.25	4.83	2.60	1.01
ETS1	3.09	0.00	25.57	30.88	23.11	26.73	84.09
ETS2	3.92	0.00	5.28	8.78	4.70	8.95	19.82
ETV1	2.33	0.01	2.64	0.55	0.78	3.85	4.29
ETV2	1.17	0.75	1.72	3.02	1.83	2.49	4.17
ETV3	-1.13	0.75	31.08	23.88	18.02	12.12	13.26
ETV4	2.18	0.01	13.07	5.49	5.61	37.82	58.46
ETV5	13.18	0.00	16.86	8.51	7.05	32.16	307.71
ETV6	5.76	0.00	4.01	5.49	3.92	5.66	32.83
EVA1A	-1.47	0.10	5.50	6.59	5.09	5.89	2.53
EVA1B	1.54	0.01	10.32	16.33	8.49	12.00	17.80
EVC	1.30	0.09	27.18	25.12	21.41	27.52	39.90
EVC2_1	-1.06	0.81	26.95	19.63	18.28	21.63	19.70
EVC2_2	1.07	0.81	4.01	3.02	3.66	3.74	3.54
EVI2A	2.33	0.00	11.70	10.98	10.70	16.65	16.92
EVI5	1.22	0.24	22.36	22.37	24.15	32.95	36.62
EVI5L	-1.52	0.01	28.21	30.61	29.24	20.38	17.30
EVL	-1.47	0.01	193.46	262.57	186.16	213.46	132.96
EWSR1	-1.40	0.02	161.81	133.00	130.68	133.17	102.40

EXD1	-1.68	0.16	1.95	1.37	1.44	1.47	0.63
EXD2	1.64	0.06	3.90	2.88	3.26	4.87	4.80
EXD3	-1.59	0.02	11.24	7.96	7.31	8.61	5.68
EXO1	-3.23	0.00	43.35	64.37	37.08	36.12	12.25
EXO5	1.81	0.00	3.33	3.29	3.79	3.40	5.43
EXOC1	1.15	0.35	24.20	19.76	24.15	21.06	24.37
EXOC2	-1.03	0.87	44.49	39.39	43.21	46.66	44.32
EXOC3	1.05	0.78	37.04	37.61	35.12	38.05	41.79
EXOC3L2	1.10	0.67	12.96	14.82	15.93	14.16	14.14
EXOC3L4	6.55	0.00	5.05	2.88	4.31	5.78	40.28
EXOC4	1.27	0.11	24.77	30.75	22.85	24.80	31.95
EXOC5	1.09	0.60	42.31	44.33	47.52	42.24	44.95
EXOC6B	1.32	0.11	8.03	7.96	8.62	9.97	12.25
EXOC7	1.13	0.43	29.13	26.35	26.50	26.27	33.84
EXOC8	-1.26	0.36	10.09	9.06	7.83	5.32	6.44
EXOG	1.38	0.34	1.95	0.82	1.57	1.36	2.02
EXOSC1	-1.17	0.47	7.80	6.59	9.01	8.15	8.46
EXOSC10	-1.28	0.08	44.84	39.39	50.13	44.50	32.32
EXOSC2	-1.19	0.30	16.28	16.06	16.19	15.63	12.25
EXOSC3	1.13	0.55	8.60	7.55	7.18	9.63	8.46
EXOSC4	-1.23	0.84	0.80	2.47	0.52	0.91	1.01
EXOSC5	2.15	0.00	1.72	1.92	1.83	2.15	4.29
EXOSC6	-1.12	0.66	7.34	10.29	7.31	10.98	7.95
EXOSC7	1.81	0.00	7.00	9.61	8.09	11.44	17.30
EXOSC8	-1.17	0.43	10.89	9.20	10.31	8.83	8.59
EXOSC9	-1.06	0.77	18.46	17.02	21.02	20.04	17.93
EXT1	-1.28	0.10	22.25	23.88	26.24	19.82	18.31
EXT2	-1.16	0.39	130.16	178.57	153.00	153.78	134.73
EXTL1	-1.90	0.00	409.50	332.02	214.88	389.78	114.52
EXTL2	-1.09	0.61	28.55	31.84	31.72	36.69	26.52
EXTL3	-1.96	0.00	41.05	50.51	43.34	40.20	19.82
EYA3	-1.08	0.70	12.84	11.12	13.58	14.38	9.22
EZH1	1.51	0.01	40.94	31.71	34.86	45.64	60.73
EZH2	-1.90	0.00	59.52	43.24	43.99	50.17	30.81
EZR	1.20	0.33	172.59	196.41	127.80	184.25	170.46
F11R	1.85	0.38	0.69	0.41	1.96	0.91	0.38
F13A1	-4.88	0.18	44.15	4.94	78.59	1.47	3.28
F2R	-1.19	0.49	1.38	1.24	4.05	1.70	0.25
F3	2.60	0.00	1.72	3.43	2.22	6.00	7.70
F8	-1.27	0.19	16.05	14.55	11.49	16.76	10.61
FAAH_2	-1.10	0.81	5.50	4.12	2.74	5.55	3.41
FAAP100	1.06	0.81	9.40	7.82	7.05	7.36	7.45
FAAP20	1.31	0.31	3.21	3.43	2.35	2.72	3.91
FAAP24	1.27	0.33	3.44	3.98	4.96	3.62	5.18
FABP3	1.71	0.01	3.90	7.69	4.44	5.55	10.99
FABP4	-8.04	0.00	0.80	1.24	3.13	2.60	0.00
FABP5	-4.59	0.00	40.37	36.24	54.05	34.20	3.79

FADD	1.51	0.08	6.19	10.43	7.96	8.27	18.44
FADS1	-1.18	0.47	179.12	142.34	133.16	94.44	119.07
FADS2	1.63	0.01	199.76	261.20	219.06	162.16	469.09
FADS3	4.21	0.00	5.96	7.27	7.44	5.66	41.04
FAF1	1.24	0.16	15.25	14.14	15.40	13.59	18.69
FAF2	-1.02	0.94	20.53	22.24	17.62	21.40	18.69
FAH	-1.39	0.23	4.47	7.82	9.27	6.34	3.28
FAHD1	-1.10	0.88	5.28	3.43	7.05	2.94	4.17
FAHD2A	-1.05	0.88	8.94	11.67	11.75	7.02	6.69
FAIM	-1.87	0.00	11.58	11.12	10.31	12.91	5.68
FAIM2	3.13	0.02	0.57	0.41	0.39	0.45	0.76
FAM101A	-2.35	0.00	181.07	229.77	243.34	155.48	58.71
FAM101B	1.43	0.07	5.05	7.14	7.96	8.95	10.23
FAM102A	-1.04	0.85	8.37	10.57	10.70	10.98	8.59
FAM102B	-3.94	0.00	87.27	94.71	63.05	40.88	12.50
FAM103A1	1.66	0.06	2.64	5.90	3.39	2.72	7.70
FAM104A	-1.18	0.42	9.29	10.16	9.40	7.70	7.95
FAM105A	5.31	0.00	2.29	2.75	1.57	9.17	17.68
FAM107A	1.53	0.01	47.82	53.53	38.77	71.57	83.84
FAM109B	-1.30	0.08	98.28	118.59	110.18	119.36	69.95
FAM110A	-1.57	0.16	2.64	2.47	1.83	2.04	1.26
FAM110B	1.77	0.00	3.55	3.57	3.79	3.74	6.19
FAM111B	-1.65	0.00	29.24	25.94	19.45	24.69	15.28
FAM114A1	-1.56	0.00	262.15	234.57	292.68	246.53	159.22
FAM114A2	-1.01	0.97	23.39	26.08	26.24	22.88	24.24
FAM117A	-1.20	0.38	7.91	9.20	7.57	7.13	6.94
FAM118A	-1.64	0.01	7.80	8.65	8.35	7.13	6.19
FAM118B	-1.18	0.77	1.26	1.78	0.78	0.79	1.01
FAM120A	1.20	0.21	151.83	161.14	182.37	159.67	194.20
FAM120B	1.16	0.33	24.43	21.55	18.28	25.37	26.39
FAM120C	-1.50	0.00	56.53	49.96	66.97	54.47	42.17
FAM122B	-1.88	0.00	47.48	49.96	42.56	47.00	21.21
FAM126A	1.13	0.47	27.41	30.33	30.55	39.18	34.47
FAM126B	1.36	0.22	70.87	37.06	69.84	54.47	82.71
FAM127C	-1.45	0.04	11.70	8.37	11.23	11.66	6.82
FAM129A	4.17	0.00	7.22	6.45	4.57	4.98	25.51
FAM129B	1.32	0.15	386.11	466.81	362.27	359.09	536.01
FAM131A	1.11	0.63	9.52	12.49	11.10	10.53	13.51
FAM132B	-3.22	0.00	4.47	5.76	3.92	6.91	0.51
FAM133A	-1.66	0.07	8.72	4.25	7.05	6.45	3.16
FAM133B	-1.26	0.11	31.76	30.88	33.94	31.59	22.73
FAM134A	1.31	0.06	65.48	84.00	62.01	72.93	92.43
FAM134B	1.77	0.16	2.06	1.10	2.22	2.38	4.80
FAM134C	1.07	0.66	170.75	139.32	86.68	115.28	147.86
FAM135A	-1.55	0.00	28.90	33.63	29.63	30.35	23.36
FAM136A	1.18	0.52	7.80	8.78	9.40	9.40	9.22
FAM13A	1.23	0.21	25.23	29.51	34.73	32.50	30.68

FAM13B	-1.09	0.70	57.68	30.33	37.73	45.86	33.08
FAM13C	-7.72	0.00	1.26	1.78	2.61	0.79	0.25
FAM149A	-1.02	0.94	2.52	0.69	3.26	0.91	2.53
FAM149B1	-1.05	0.81	15.14	11.67	12.01	14.27	9.98
FAM151B	1.03	0.95	9.86	8.51	7.31	7.70	6.69
FAM155A_2	-1.90	0.14	1.38	0.69	1.83	1.13	0.63
FAM160A1	-1.79	0.00	48.51	94.84	81.33	46.32	26.14
FAM160A2	-1.17	0.30	34.40	30.06	30.94	31.82	25.88
FAM160B1	-1.31	0.04	36.47	32.80	37.34	39.07	29.17
FAM160B2	1.68	0.00	16.74	15.65	18.41	21.40	37.50
FAM161A	-1.76	0.01	6.77	5.08	6.53	7.36	3.79
FAM161B	-1.21	0.37	10.44	11.26	8.22	11.10	8.08
FAM162A	-1.49	0.14	7.45	13.45	11.62	6.34	5.05
FAM168A	-1.25	0.22	12.27	15.10	14.49	16.65	8.46
FAM168B	-1.11	0.51	151.94	142.88	150.13	160.69	121.85
FAM169A	-1.07	0.69	33.26	29.24	28.72	34.31	27.53
FAM171A1	-2.47	0.00	18.00	15.78	16.71	14.72	5.93
FAM171B	-1.27	0.13	49.54	37.75	55.61	55.04	35.36
FAM172A	1.09	0.70	8.94	8.65	10.44	7.70	11.11
FAM173A	-1.22	0.37	7.91	6.45	8.88	9.29	6.69
FAM173B	1.05	0.79	13.99	22.78	17.36	18.35	20.20
FAM174A	-1.44	0.08	10.55	7.96	13.32	10.87	5.93
FAM174B	3.70	0.00	0.80	0.55	1.17	0.57	2.53
FAM175A	1.38	0.06	7.91	6.45	8.22	9.74	11.49
FAM175B	-1.08	0.76	6.88	9.20	6.53	8.04	7.32
FAM177A1	-1.23	0.19	27.75	25.39	35.25	26.05	24.37
FAM179A	-1.67	0.39	2.98	0.82	0.91	0.91	1.26
FAM179B	1.09	0.62	27.87	28.00	28.85	34.20	30.05
FAM180A	-1.85	0.00	804.44	836.17	738.37	756.12	412.39
FAM184B	1.14	0.73	0.80	0.96	0.26	1.59	1.01
FAM185A	-1.10	0.77	5.05	6.45	9.14	9.29	6.57
FAM186B	-1.59	0.03	6.77	6.45	6.92	4.87	3.66
FAM188A	-1.09	0.67	12.04	13.73	16.06	16.19	14.02
FAM188B	-1.74	0.00	17.20	19.08	13.71	19.48	8.84
FAM189A2	1.14	0.80	4.82	5.08	4.05	3.28	5.43
FAM189B	1.16	0.38	17.43	15.65	19.19	17.67	17.05
FAM192A	-1.17	0.48	5.50	7.69	7.31	7.02	6.44
FAM193A	1.09	0.61	32.34	29.92	29.76	31.59	39.14
FAM193B	-1.03	0.90	29.01	24.02	28.46	29.33	26.52
FAM195B	-1.11	0.56	40.37	54.90	40.99	42.58	39.77
FAM196B	-3.87	0.00	2.18	1.37	2.09	1.47	0.38
FAM198A	-2.22	0.01	29.01	28.27	10.70	38.62	7.83
FAM198B	3.13	0.00	1.03	1.51	0.65	1.13	3.66
FAM199X	-1.23	0.40	8.37	7.96	7.44	12.80	4.92
FAM19A3	-1.38	0.34	7.91	3.29	4.70	7.02	3.16
FAM19A5	-2.47	0.00	7.57	8.51	8.75	4.87	1.77
FAM204A	1.16	0.36	18.23	19.90	20.89	20.84	23.49

FAM206A	-1.05	0.79	14.56	15.24	13.19	13.93	13.51
FAM207A	1.13	0.73	4.01	3.71	3.00	2.83	5.43
FAM208A	-1.04	0.84	144.60	144.67	157.44	178.24	139.02
FAM208B	-1.51	0.00	169.95	145.35	166.05	141.89	87.38
FAM20A	-3.10	0.01	1.15	1.51	1.70	0.68	0.38
FAM20B	-2.80	0.00	169.03	196.00	132.11	92.52	41.16
FAM20C	2.21	0.00	41.05	51.06	40.99	57.07	106.57
FAM210A	-1.03	0.89	8.49	7.82	9.40	8.15	9.98
FAM210B	1.88	0.00	22.25	19.63	17.10	19.70	49.62
FAM212A	1.06	0.80	9.17	9.61	8.35	7.59	9.72
FAM212B	-1.98	0.00	18.81	29.65	17.10	22.08	9.85
FAM213A	1.76	0.47	5.39	6.04	8.49	2.94	20.46
FAM213B	-1.55	0.01	19.95	34.45	22.98	21.97	15.15
FAM214A	1.08	0.64	41.51	30.61	40.60	46.43	48.74
FAM214B	1.86	0.00	8.72	5.49	9.79	13.14	19.19
FAM216A	-3.13	0.00	4.36	10.16	5.87	4.08	1.39
FAM217B	-1.04	0.91	22.59	14.55	22.19	17.10	15.78
FAM219A	-1.56	0.00	21.79	22.78	25.98	18.91	13.51
FAM219B	-1.24	0.48	4.93	3.43	7.05	6.00	3.41
FAM21A	1.32	0.04	49.08	40.35	35.77	46.77	56.82
FAM220A	1.03	0.93	12.27	15.37	15.53	13.02	17.17
FAM222A	1.17	0.67	2.06	1.65	0.91	1.81	2.02
FAM222B	1.05	0.80	12.50	12.76	17.49	10.31	15.91
FAM228B	1.72	0.15	1.49	0.69	0.65	0.79	1.39
FAM229B	1.57	0.32	2.98	2.33	2.09	1.36	5.81
FAM234A	1.12	0.54	14.68	13.04	14.36	10.98	15.78
FAM234B	-1.09	0.82	14.91	7.55	13.45	15.17	11.11
FAM25A	1.60	0.44	2.18	0.69	1.96	1.02	3.28
FAM32A	-1.08	0.66	46.33	59.98	53.52	47.11	58.46
FAM35A	1.36	0.14	5.62	5.35	6.53	9.74	10.99
FAM3A	-1.09	0.75	12.84	17.84	11.23	11.21	13.01
FAM3C	-1.44	0.01	94.61	96.90	105.09	99.09	72.98
FAM43A	1.04	0.78	40.59	43.92	26.89	53.68	51.52
FAM43B	1.53	0.12	1.49	4.12	5.87	3.74	3.79
FAM45A	-1.08	0.61	43.46	45.84	44.65	48.92	35.73
FAM46A	-1.44	0.08	387.37	287.00	502.47	274.95	338.02
FAM46B	-1.36	0.52	1.38	0.96	0.91	2.26	0.38
FAM46C	2.12	0.00	11.35	13.18	5.09	10.08	27.53
FAM47E	1.84	0.09	0.92	1.10	0.78	1.25	1.52
FAM49A	6.69	0.00	1.83	0.55	1.17	2.72	11.36
FAM49B	-1.01	0.94	23.97	20.86	23.76	18.35	19.45
FAM50A	-1.16	0.38	19.38	21.96	16.32	18.12	15.78
FAM53B	-1.84	0.00	26.83	32.67	27.28	42.81	14.27
FAM53C	-1.06	0.74	37.73	37.33	32.77	40.31	32.32
FAM57A	-1.40	0.17	11.93	25.94	17.36	14.38	13.01
FAM58A	-1.12	0.68	14.10	11.80	12.27	7.81	10.35
FAM60A	4.43	0.00	0.34	0.69	0.52	0.11	2.53

FAM63A	1.08	0.67	19.15	12.76	13.97	24.57	16.67
FAM63B	-1.44	0.12	7.22	7.27	7.18	5.21	5.43
FAM64A	-3.90	0.00	47.93	48.73	34.99	35.33	6.69
FAM65A	1.68	0.02	5.73	3.16	3.13	4.19	8.21
FAM65C	3.28	0.00	8.72	9.20	4.05	14.72	25.51
FAM69A	1.33	0.20	7.68	9.75	7.96	7.70	15.28
FAM69B	-1.62	0.10	5.16	3.43	5.87	3.40	1.77
FAM72A	-3.15	0.00	13.88	20.31	16.58	11.66	3.16
FAM73A	-1.20	0.30	30.62	24.71	35.25	24.69	27.65
FAM73B	1.16	0.37	14.56	13.31	11.49	12.23	15.53
FAM76A	1.25	0.31	7.68	5.76	9.92	6.34	10.73
FAM76B	1.12	0.49	24.66	21.69	19.71	22.31	22.98
FAM78A	1.53	0.67	0.92	0.96	0.52	0.91	0.13
FAM81A	-7.61	0.00	8.49	4.25	9.53	3.62	0.63
FAM83D	-3.81	0.00	24.20	20.04	18.41	15.97	2.40
FAM83F	-6.88	0.00	5.96	4.67	4.83	2.04	1.01
FAM83H	-1.44	0.12	19.95	17.29	17.88	9.40	14.90
FAM84B	1.12	0.57	9.98	8.51	6.40	14.72	11.62
FAM89A	-1.35	0.52	4.82	2.88	7.31	2.04	2.90
FAM89B	-1.30	0.50	3.55	5.76	2.22	5.32	3.66
FAM8A1	-1.39	0.72	15.37	67.26	13.84	26.50	28.28
FAM91A1	1.25	0.10	64.45	50.51	58.48	56.17	74.62
FAM92A1	1.10	0.60	9.75	10.16	10.97	10.64	11.87
FAM96A	1.17	0.30	27.75	32.94	28.33	26.16	33.84
FAM96B	1.05	0.81	12.61	11.94	13.45	9.85	13.76
FAM98A	-1.70	0.00	214.79	199.43	263.31	164.77	95.96
FAM98B	-1.45	0.03	52.64	45.84	66.45	45.07	33.59
FAM98C	1.55	0.09	2.41	2.20	2.87	2.94	4.04
FAN1	-1.48	0.00	56.65	52.29	51.57	60.36	35.10
FANCA	-2.37	0.00	23.97	13.18	20.63	19.93	5.56
FANCB	-4.01	0.00	4.01	4.39	3.92	3.51	0.51
FANCC_1	-1.42	0.04	20.76	13.31	19.97	18.91	11.36
FANCC_2	-1.04	0.96	2.06	3.16	1.57	3.40	2.40
FANCD2	-2.71	0.00	48.16	31.57	35.77	44.73	8.33
FANCE	-1.28	0.38	6.19	3.43	5.74	5.21	4.17
FANCF	-1.02	0.90	6.42	5.35	6.66	6.68	5.68
FANCG	-1.48	0.01	57.57	37.88	51.04	58.09	28.54
FANCI	-2.69	0.00	22.25	17.98	17.23	14.72	5.43
FANCL	-1.32	0.10	13.42	12.08	10.44	12.00	7.95
FANCM	-1.16	0.36	25.11	20.59	22.85	26.95	20.20
FANK1	-1.06	0.89	2.06	2.20	2.61	1.70	1.89
FAP	-2.13	0.00	54.24	57.37	54.96	93.88	22.85
FAR1	1.10	0.59	65.25	52.57	66.97	76.44	76.52
FARP1	1.51	0.00	150.11	160.73	146.21	136.12	252.41
FARP2	1.09	0.82	1.49	1.24	1.31	1.93	1.64
FARS2	1.43	0.08	5.28	6.59	4.83	3.96	8.33
FARSA	1.01	0.91	14.10	18.94	23.24	15.74	16.41

FARSB	-1.54	0.05	6.42	7.27	6.40	5.21	3.91
FAS	43.65	0.00	0.46	0.27	0.26	0.23	21.34
FASN	-1.53	0.00	483.01	421.38	493.99	367.13	269.46
FASTK	-1.35	0.03	78.09	73.02	76.89	65.00	43.81
FASTKD1	-1.06	0.78	9.52	11.39	12.14	13.36	9.09
FASTKD2	-1.02	0.98	13.65	17.16	9.66	9.74	15.66
FASTKD3	-1.65	0.07	5.16	3.16	3.79	3.17	2.15
FAT1	-1.11	0.71	219.37	189.55	189.16	350.15	262.38
FAT2_1	-4.41	0.36	7.34	0.27	9.14	0.34	1.77
FAT3	2.16	0.22	4.24	4.94	1.31	9.17	20.33
FAT4	-1.11	0.97	52.86	29.78	28.20	107.47	42.55
FAU	1.30	0.14	77.63	140.28	100.65	100.90	151.40
FAXC	-1.18	0.37	11.47	11.67	11.88	14.16	12.00
FBF1	1.23	0.32	20.87	20.18	22.32	29.56	18.81
FBL	1.07	0.73	17.09	26.77	25.85	15.29	26.14
FBLIM1	2.25	0.00	4.13	2.75	3.26	3.74	7.83
FBLN1	-1.36	0.11	50.23	48.86	58.62	36.35	33.08
FBLN2	1.19	0.54	42.66	22.65	45.17	34.09	28.03
FBLN5	-1.93	0.36	15.94	13.86	12.14	63.08	13.26
FBLN7	-2.59	0.00	416.15	472.57	378.32	427.72	174.50
FBN1	1.07	0.69	451.93	351.79	502.99	418.32	426.28
FBN2	3.13	0.00	124.88	79.61	107.57	172.92	434.24
FBP2	89.22	0.00	0.00	0.00	0.13	0.11	5.68
FBRS	1.36	0.04	33.83	36.37	31.07	37.94	44.57
FBRSL1	1.00	0.98	36.35	24.84	31.46	31.82	36.11
FBXL12	-1.44	0.04	15.02	10.29	13.32	11.32	6.94
FBXL14	-1.08	0.73	14.22	20.31	14.49	15.63	14.77
FBXL15	1.33	0.30	4.70	5.08	4.18	4.08	6.06
FBXL16	-4.72	0.01	2.87	1.92	0.39	1.36	0.13
FBXL17	1.16	0.31	42.77	41.04	34.99	32.61	44.07
FBXL18	-1.21	0.26	14.79	15.51	15.67	14.27	10.61
FBXL2	-1.76	0.00	92.43	75.90	73.24	89.91	31.19
FBXL20	1.19	0.33	13.53	13.86	9.92	16.65	13.51
FBXL21	-1.63	0.02	12.84	14.27	14.88	7.81	6.44
FBXL3	1.11	0.47	41.51	40.77	46.21	46.88	52.78
FBXL4	1.06	0.78	9.75	8.10	10.84	9.74	10.48
FBXL5	-1.01	0.96	82.45	76.73	84.99	86.86	85.86
FBXL6	-2.06	0.00	12.61	10.84	13.32	11.32	5.43
FBXL7	-1.19	0.39	45.76	44.61	56.40	31.82	44.19
FBXL8	-1.54	0.04	5.62	6.59	5.74	6.23	4.67
FBXO10	-2.15	0.01	4.13	3.02	5.22	2.72	1.52
FBXO11	-1.14	0.36	50.34	44.47	52.35	53.34	40.41
FBXO15	-1.96	0.05	2.29	2.47	1.44	2.26	0.88
FBXO16	-1.03	0.97	1.15	1.37	1.04	0.79	1.14
FBXO17	-1.20	0.24	39.33	30.06	34.20	34.43	27.91
FBXO18	-1.01	0.97	51.60	56.55	51.44	53.22	53.41
FBXO2	1.55	0.12	6.42	2.20	4.44	4.08	9.34

FBXO21	-1.13	0.47	21.10	20.45	26.76	21.86	20.08
FBXO22	1.31	0.15	7.11	7.41	6.53	6.91	8.71
FBXO24	-1.43	0.14	8.03	5.22	5.61	5.32	3.41
FBXO25	1.01	0.97	7.68	7.14	7.31	10.31	8.21
FBXO28	1.10	0.64	11.81	8.78	12.92	8.15	12.12
FBXO3	1.03	0.86	33.14	36.37	33.68	33.41	35.36
FBXO30	-1.03	0.87	20.41	18.67	20.23	20.61	23.36
FBXO31	1.45	0.03	34.17	20.45	24.93	22.08	43.94
FBXO32	4.50	0.00	0.80	0.27	0.26	1.02	3.66
FBXO33	1.83	0.01	3.90	4.25	3.39	3.40	8.59
FBXO34	-1.25	0.15	21.21	23.61	22.45	23.10	14.14
FBXO36	1.03	0.92	1.15	0.82	0.91	1.13	2.02
FBXO38	-1.01	0.98	51.14	38.29	42.82	44.39	47.35
FBXO4	-1.52	0.01	14.45	12.76	13.19	13.93	7.95
FBXO41	-2.75	0.01	1.26	1.10	1.57	1.70	0.13
FBXO42	-1.40	0.01	68.35	72.47	60.57	60.02	50.89
FBXO44	1.85	0.00	11.35	7.27	7.31	11.55	17.55
FBXO45	1.38	0.31	2.18	1.51	1.31	2.04	2.02
FBXO47	1.19	0.63	2.75	1.37	3.52	3.85	2.02
FBXO5	-2.58	0.00	10.89	12.49	9.27	8.15	3.28
FBXO6	1.11	0.60	10.44	10.16	8.09	8.27	10.99
FBXO7	-1.01	0.99	45.18	37.20	43.34	33.63	40.15
FBXO8	-1.07	0.76	12.27	14.55	10.70	12.46	12.75
FBXO9	1.23	0.15	33.83	38.43	40.73	40.99	54.17
FBXW11	1.10	0.60	45.18	40.35	38.25	38.05	52.27
FBXW12	1.09	0.71	20.64	16.33	24.41	22.08	19.82
FBXW2	-1.01	0.99	55.39	49.00	41.51	50.39	52.53
FBXW4	-1.82	0.00	22.02	19.08	11.88	15.51	9.60
FBXW5	1.28	0.11	21.44	18.94	18.67	19.36	27.65
FBXW7_1	1.09	0.84	3.67	3.43	4.18	2.60	4.29
FBXW7_2	1.02	0.92	9.29	5.22	9.01	6.45	7.95
FBXW8	-1.29	0.05	44.15	41.86	42.17	40.20	30.81
FBXW9	1.41	0.23	1.95	2.47	1.83	2.38	2.27
FCER1G	1.25	0.58	1.61	1.51	1.31	0.57	1.14
FCF1	1.65	0.02	3.44	4.53	3.52	4.30	5.68
FCGRT	1.60	0.00	23.05	29.78	23.89	31.71	45.71
FCHO1	5.81	0.00	1.49	0.69	1.04	0.34	2.65
FCHO2	1.55	0.04	7.00	3.98	5.61	5.55	10.10
FCHSD1	1.73	0.00	11.81	5.90	11.49	10.76	15.53
FCHSD2	1.56	0.00	65.48	51.33	70.89	66.93	101.52
FDFT1	-1.07	0.77	145.87	181.73	158.48	118.79	151.77
FDPS	-1.25	0.20	39.33	51.06	49.87	35.11	36.87
FDX1	-1.09	0.73	10.89	11.67	11.62	7.93	8.08
FDX1L	1.15	0.61	2.75	4.80	4.83	4.19	4.80
FDXACB1	1.09	0.85	1.03	1.24	1.44	2.15	1.39
FDXR	2.16	0.03	0.69	0.82	1.04	1.59	1.52
FECH	-1.25	0.22	21.90	14.00	16.06	19.14	14.02

FEM1A	-1.04	0.81	47.82	58.20	55.74	50.85	47.86
FEM1B	1.03	0.90	41.05	38.71	50.00	38.28	43.81
FEM1C	1.40	0.08	34.06	37.20	37.60	28.54	56.69
FEN1	-2.69	0.00	24.43	26.63	30.29	25.03	5.81
FER	1.12	0.62	8.26	8.37	10.57	9.85	12.88
FER1L5	-1.72	0.09	7.91	12.90	4.70	5.66	2.90
FERMT1	1.44	0.08	12.61	7.14	7.31	7.93	15.91
FERMT2	1.51	0.01	113.64	116.39	159.27	101.69	201.52
FES	3.30	0.00	3.67	2.61	3.26	3.85	10.86
FEZ1	-2.13	0.01	3.10	4.53	4.57	3.17	0.63
FEZ2	-1.58	0.00	40.71	45.29	44.65	38.73	24.75
FGB	-1.16	0.67	2.29	3.29	3.92	4.76	3.54
FGD1	1.04	0.83	29.01	23.61	26.37	31.26	27.65
FGD5	2.84	0.00	1.61	2.20	3.66	4.42	4.17
FGD6	-1.50	0.04	85.32	111.32	53.39	95.92	66.04
FGF11	-1.12	0.93	3.44	19.76	23.11	19.59	9.34
FGF14	-1.15	0.63	3.33	2.75	3.79	3.51	2.53
FGF18	8.48	0.00	0.69	0.27	0.39	0.45	5.18
FGF2	3.30	0.00	4.59	3.71	3.00	8.38	15.03
FGFR1	6.79	0.00	215.47	297.44	139.95	395.56	2019.15
FGFR1OP	-1.42	0.02	20.30	20.31	18.41	22.20	13.51
FGFR1OP2	1.47	0.01	23.51	21.96	19.71	26.50	38.26
FGFR2	-1.72	0.00	288.29	182.96	220.88	274.27	109.22
FGFR3	-2.82	0.00	357.67	511.42	349.21	381.29	70.20
FGFR4	-1.45	0.02	93.92	128.61	97.91	128.98	54.55
FGFRL1	-1.19	0.25	320.29	346.30	311.22	300.21	224.25
FGGY	-1.03	0.91	3.21	3.43	3.26	3.06	2.53
FGL1	-3.20	0.00	11.35	13.04	6.79	6.23	1.89
FGL2	4.39	0.00	0.11	0.55	0.52	0.68	2.15
FGR	38.99	0.00	0.23	0.27	0.26	0.11	13.26
FH	1.19	0.22	37.15	38.02	35.51	34.88	45.58
FHDC1	3.61	0.00	6.08	5.76	13.84	7.81	46.34
FHL1	-2.19	0.00	187.72	209.32	175.32	198.85	81.70
FHL2	-1.26	0.67	1.49	0.69	1.96	0.79	0.63
FHL3	1.47	0.02	7.45	9.33	7.57	8.49	10.61
FHOD1	2.29	0.00	3.33	2.88	4.57	4.64	8.84
FIBIN	-1.39	0.13	489.55	912.76	493.72	619.89	576.67
FIBP	1.45	0.02	17.66	21.14	17.75	14.61	31.69
FICD	-1.08	0.73	7.91	9.88	6.79	7.02	10.35
FIG4	1.61	0.02	5.28	4.94	4.57	6.23	7.95
FIGN	-1.08	0.85	22.82	14.00	27.94	11.89	17.68
FIGNL1	-1.78	0.01	7.91	10.43	7.83	6.91	3.28
FIGNL2	1.10	0.78	5.05	3.98	3.52	3.17	4.42
FILIP1	4.67	0.00	0.57	0.69	1.17	0.45	2.65
FIP1L1	-1.22	0.15	43.00	45.16	40.86	42.24	30.68
FIS1	1.13	0.45	28.78	34.86	30.16	31.59	38.26
FITM1	1.20	0.56	2.87	2.20	1.04	1.93	1.89

FITM2	1.11	0.54	22.13	26.49	23.24	19.25	21.59
FIZ1	-1.06	0.70	28.67	23.47	28.46	28.76	20.58
FJX1	-3.71	0.00	240.24	159.08	259.66	90.03	45.96
FKBP10	-2.07	0.00	424.07	606.13	486.54	406.43	191.67
FKBP11	-1.42	0.04	40.48	42.00	50.91	28.08	25.38
FKBP14	-1.94	0.00	216.73	258.73	286.94	274.27	99.12
FKBP15	1.80	0.00	31.54	28.69	25.59	28.76	53.79
FKBP1A	1.24	0.14	73.05	87.84	82.37	69.42	87.00
FKBP2	1.04	0.85	12.61	20.86	16.32	12.00	18.94
FKBP3	-1.37	0.04	23.85	32.39	31.72	26.39	18.69
FKBP4	-1.03	0.99	35.43	72.47	62.27	59.68	52.40
FKBP5	1.32	0.10	36.47	33.22	42.30	23.55	51.14
FKBP7	-2.77	0.00	8.26	8.51	19.19	5.32	1.89
FKBP8	1.06	0.70	49.31	84.28	53.78	58.21	64.02
FKBP9	-2.43	0.00	1332.17	1479.35	1416.29	1247.94	464.03
FKBPL	-1.02	0.96	3.21	2.88	2.35	1.93	1.77
FKRP	1.02	0.85	11.58	8.37	6.01	13.70	9.98
FKTN	1.04	0.88	17.89	17.98	24.41	35.67	30.94
FLAD1	1.64	0.02	4.47	3.43	2.87	3.51	5.93
FLCN	1.34	0.04	21.33	19.76	22.45	23.55	29.29
FLI1	-1.39	0.04	37.96	47.49	31.72	49.94	27.40
FLII	1.45	0.00	24.20	28.82	28.98	27.74	43.18
FLNA	-1.04	0.86	301.48	344.38	361.22	243.13	289.53
FLNB	-1.64	0.01	1020.15	751.89	962.39	572.56	402.67
FLNC	-3.73	0.00	16.17	13.59	13.84	19.93	3.54
FLOT1	1.82	0.00	36.47	56.41	47.39	54.24	73.49
FLOT2	3.54	0.00	22.48	23.75	21.15	21.74	90.28
FLRT2	-2.14	0.00	81.30	105.14	119.58	56.28	36.24
FLT1	3.09	0.03	0.57	0.41	2.74	1.81	2.15
FLT3LG	8.10	0.00	0.23	0.27	0.00	0.68	2.27
FLT4	-2.47	0.00	3.55	3.84	3.92	4.64	1.64
FLVCR1	-1.75	0.00	47.02	33.35	45.30	33.52	23.74
FLVCR2	3.38	0.00	5.73	3.43	7.57	1.47	21.34
FLYWCH1	-1.09	0.64	15.83	14.82	14.36	14.61	16.29
FLYWCH2	1.39	0.36	3.44	3.43	4.05	2.94	7.58
FMN1	1.25	0.20	46.56	26.08	48.04	33.97	61.37
FMN2	-2.03	0.00	6.77	4.53	7.31	7.36	3.54
FMNL1	1.12	0.83	1.26	0.27	0.91	0.91	1.52
FMNL2	1.69	0.00	20.41	21.69	16.58	22.54	48.74
FMNL3	3.04	0.00	33.14	38.57	29.90	34.20	95.21
FMO4	2.00	0.00	3.10	3.16	4.57	3.40	7.20
FMO5	1.15	0.69	6.77	3.16	6.14	2.94	4.29
FMOD	-1.95	0.00	6525.10	8965.33	7381.85	7076.22	3014.90
FMR1	1.30	0.06	25.23	21.41	21.15	27.74	32.83
FN1	6.61	0.00	3178.32	4374.50	5021.97	2901.63	28954.24
FN3K	-1.80	0.11	1.38	1.37	1.57	1.70	0.51
FN3KRP	-1.81	0.00	36.12	31.84	42.30	29.22	17.17

FNBP1	1.94	0.01	7.11	4.53	14.36	6.12	18.81
FNBP1L	-2.08	0.00	103.67	141.79	122.06	106.90	55.56
FNBP4	1.30	0.09	205.27	126.00	126.63	153.22	187.38
FNDC1	1.01	0.87	7.11	5.22	9.14	4.76	3.66
FNDC3A	1.49	0.01	119.15	125.04	140.47	159.90	180.82
FNDC3B	-1.41	0.02	644.82	606.81	640.98	683.31	461.76
FNDC4	-1.81	0.00	7.34	8.78	9.53	8.04	4.80
FNIP1	1.22	0.16	54.81	50.78	56.00	63.30	63.64
FNIP2	1.45	0.01	14.33	17.71	12.92	17.44	21.09
FNTA	1.39	0.01	42.43	37.61	43.47	36.69	60.99
FNTB	-1.36	0.03	25.92	23.20	26.76	22.31	15.15
FOCAD	-1.61	0.00	26.26	24.43	30.16	27.40	13.64
FOLH1B	-1.21	0.73	1.15	0.14	2.87	0.45	0.25
FOLR2	1.85	0.10	1.26	3.43	0.78	4.19	5.81
FOPNL	-1.26	0.28	114.67	147.41	158.48	93.54	96.97
FOS	2.07	0.02	4.24	7.14	3.52	33.41	18.06
FOSB	-1.52	0.34	1.61	1.24	0.65	1.47	0.51
FOSL1	3.53	0.00	1.03	0.69	1.04	1.36	6.31
FOSL2	10.57	0.00	12.04	11.39	12.27	10.08	133.09
FOXA2	-1.29	0.30	6.31	6.45	6.92	4.30	3.91
FOXA3	2.53	0.00	17.32	17.98	12.27	25.71	52.27
FOXC2	1.53	0.00	30.04	25.80	30.55	30.69	47.22
FOXF1	3.40	0.00	0.69	0.41	1.57	1.36	5.43
FOXF2	-2.19	0.03	1.26	1.51	2.22	2.49	0.51
FOXJ2	1.06	0.73	31.65	31.02	34.07	35.90	34.47
FOXJ3	-1.15	0.44	174.76	130.67	196.21	170.20	118.69
FOXK1	1.93	0.00	113.99	145.63	68.41	131.93	270.72
FOXK2	-1.24	0.13	73.39	73.16	69.45	58.43	54.67
FOXL1	2.01	0.03	3.10	1.37	0.78	2.04	4.92
FOXM1	-3.32	0.00	36.93	39.12	27.81	25.71	4.55
FOXN2	-1.07	0.84	22.13	35.82	40.86	25.93	28.16
FOXN3	1.16	0.34	81.88	62.59	73.11	73.27	84.85
FOXO1	1.14	0.49	38.19	24.02	38.90	29.10	42.43
FOXO3	2.19	0.00	42.31	35.69	38.51	42.13	102.02
FOXO4	1.08	0.76	42.77	30.20	37.47	43.03	39.27
FOXP1	1.17	0.32	31.76	28.14	29.63	42.92	41.42
FOXP2	2.07	0.00	4.01	3.57	4.31	3.96	10.48
FOXP4	3.37	0.00	27.64	36.10	22.98	41.33	108.97
FOXRED1	-1.80	0.00	14.45	8.51	10.57	9.29	5.05
FOXRED2	-1.68	0.11	2.52	3.16	2.87	1.70	2.40
FPGS	1.82	0.00	5.05	5.49	4.70	4.53	7.45
FPGT	1.35	0.07	15.02	9.61	12.92	15.63	17.68
FRA10AC1	-1.24	0.21	11.81	12.76	12.14	11.32	8.33
FRAT1	1.55	0.31	1.61	1.37	1.04	0.91	1.64
FRAT2	1.11	0.78	1.49	2.06	2.48	1.93	1.77
FRG1	1.55	0.04	4.59	5.22	4.18	7.13	7.20
FRMD4A	-2.20	0.00	16.40	23.06	17.62	11.21	4.17

FRMD4B	-1.22	0.22	79.35	86.20	72.19	95.01	56.69
FRMD6	1.54	0.00	110.78	128.33	137.46	116.07	159.60
FRMD7	-1.64	0.00	26.83	31.84	37.86	26.16	13.38
FRMD8	1.69	0.00	20.76	23.75	17.62	18.69	29.42
FRMPD2	-15.81	0.00	7.11	3.84	3.92	7.25	0.13
FRMPD4	-1.08	0.57	3.10	3.43	3.00	4.30	0.63
FRRS1L	2.59	0.01	0.92	0.55	1.44	0.68	3.79
FRS2	-2.12	0.00	94.84	124.35	136.16	90.48	44.19
FRS3	-2.18	0.01	5.96	4.53	3.79	3.51	2.90
FRY	-1.59	0.01	626.70	496.59	469.97	724.98	306.58
FRYL	1.32	0.04	30.62	30.06	33.68	38.96	49.12
FRZB	-3.62	0.00	849.85	780.17	1367.47	317.31	142.43
FSCN1	1.27	0.16	88.18	96.22	81.59	61.04	99.37
FSD1L	-1.08	0.85	1.83	1.65	2.35	3.96	2.65
FSD2	2.51	0.00	1.83	1.78	2.35	2.26	7.07
FSTL3	-1.33	0.43	1.49	2.33	1.83	1.81	1.39
FSTL4	-3.15	0.00	2.06	3.29	2.09	2.15	0.88
FTH1	5.83	0.00	123.39	212.20	105.61	154.69	1115.07
FTL	2.43	0.00	36.81	49.14	40.73	29.78	124.75
FTO	-1.26	0.09	51.83	54.08	56.13	62.40	41.67
FTSJ1	-1.61	0.00	49.31	34.45	50.00	41.11	27.65
FTSJ2	1.05	0.90	3.21	5.35	6.14	7.13	3.16
FTSJ3	-1.02	0.90	13.07	11.26	13.45	10.87	13.76
FUBP1	-1.27	0.12	106.42	115.43	136.29	113.81	76.01
FUBP3	-1.09	0.60	57.91	49.82	50.26	57.64	45.08
FUCA1	-1.15	0.42	137.04	171.98	159.01	139.86	121.47
FUCA2	1.18	0.27	27.18	24.71	28.20	25.14	33.84
FUK	-1.17	0.39	24.88	24.02	24.93	34.43	17.80
FUND1	-1.12	0.69	5.39	9.61	7.18	7.13	5.56
FUND2	-1.04	0.82	29.82	33.08	31.85	26.95	31.19
FUOM	-1.20	0.54	4.24	4.80	4.83	2.83	3.79
FURIN	2.28	0.00	198.73	226.47	159.27	258.87	511.51
FUS	-1.49	0.00	242.08	269.02	232.76	232.83	168.32
FUT10	1.10	0.75	11.01	11.12	10.70	9.85	15.78
FUT4	-1.02	0.98	10.89	6.31	6.92	8.15	7.70
FUT8	-1.09	0.69	54.01	70.28	56.00	89.35	46.09
FUZ	1.27	0.25	7.34	6.45	4.70	6.57	7.83
FXN	-1.13	0.67	5.05	7.69	6.79	5.10	5.81
FXR1	1.01	0.94	75.23	103.63	83.29	80.97	80.31
FXR2	-1.24	0.12	49.08	49.55	47.78	44.05	31.95
FXYD1	-2.44	0.00	4.82	5.49	5.61	6.68	3.28
FXYD5	4.10	0.00	8.60	11.67	5.35	11.89	47.98
FXYD6	-1.77	0.00	281.64	319.95	210.83	289.90	110.11
FYCO1	1.31	0.04	41.97	43.10	43.73	50.51	53.16
FYN	8.22	0.00	8.14	8.92	14.62	10.87	91.92
FYTTD1	-1.10	0.57	34.75	33.77	31.59	31.48	32.83
FZD1	-3.29	0.00	89.10	94.84	38.51	36.80	8.97

FZD10	7.71	0.00	0.46	0.27	0.91	0.68	1.89
FZD2	-1.66	0.01	8.60	8.65	9.53	9.17	4.80
FZD3	1.58	0.19	0.92	1.78	0.52	2.38	3.03
FZD4	-1.04	0.91	1.83	1.37	3.52	2.04	1.77
FZD6	1.24	0.21	33.26	27.73	25.33	52.66	45.33
FZD7	-2.04	0.00	46.21	51.47	39.95	46.54	13.89
FZD8	1.60	0.00	48.97	48.86	34.33	59.79	78.16
FZD9	-1.53	0.01	66.40	97.31	79.89	91.95	43.81
FZR1	-1.47	0.01	29.47	34.59	27.02	26.61	21.59
G0S2	7.25	0.00	10.44	7.27	8.35	16.65	152.66
G2E3	-1.53	0.00	77.41	59.98	78.72	67.15	45.08
G3BP1	-1.02	0.91	71.10	80.98	75.33	70.78	72.23
G3BP2	1.68	0.00	52.98	56.55	57.05	57.53	101.65
G6PC3	-1.37	0.04	20.64	20.04	16.84	18.46	15.28
G6PD	1.03	0.90	24.77	20.59	19.97	23.10	22.35
GAA	1.35	0.05	32.91	46.26	31.33	37.60	57.83
GAB1	-1.54	0.00	115.36	106.37	116.84	94.67	82.20
GAB2	2.50	0.01	0.57	1.10	0.78	1.47	2.27
GABARAP	1.31	0.06	113.64	150.30	130.94	116.75	183.47
GABARAPL1	2.05	0.00	43.81	27.45	37.47	38.84	95.21
GABARAPL2	-1.02	0.93	46.90	52.16	47.91	48.58	45.71
GABBR1	-1.15	0.69	40.71	14.55	26.24	23.78	33.08
GABPA	-1.40	0.01	53.21	50.10	48.17	44.84	35.36
GABPB1_1	-1.50	0.06	7.22	5.63	7.05	8.83	4.80
GABPB1_2	-1.35	0.06	11.70	14.27	14.36	15.51	10.23
GABPB2	1.33	0.14	8.03	7.00	10.31	11.32	9.72
GABRE	-2.22	0.00	42.31	22.65	31.07	37.60	8.21
GADD45A	1.13	0.65	5.16	5.35	7.57	3.28	7.45
GADD45B	-1.42	0.06	18.35	29.37	22.98	21.52	9.85
GADD45G	-1.55	0.34	1.15	1.51	2.61	0.91	1.01
GADD45GIP1	1.41	0.15	3.10	5.76	4.83	3.17	4.92
GADL1	-2.83	0.02	1.15	1.51	1.31	0.57	0.63
GAK	1.19	0.23	62.38	61.63	63.45	58.21	80.31
GAL	7.28	0.00	0.23	0.14	0.26	0.34	1.14
GAL3ST1	-7.34	0.00	10.44	9.88	13.45	5.55	1.01
GAL3ST3	-3.65	0.00	2.52	3.71	0.78	1.59	0.51
GAL3ST4	-1.12	0.80	1.26	1.65	1.96	0.91	1.01
GALC	-2.31	0.01	12.61	3.71	14.23	7.81	5.05
GALE	-1.66	0.00	341.27	339.71	342.42	276.99	196.60
GALK1	-1.08	0.66	16.97	21.00	16.97	17.44	18.81
GALK2	-1.03	0.87	11.47	14.00	15.27	12.34	10.61
GALM	-2.69	0.00	36.47	33.35	41.38	34.77	8.33
GALNS	-1.10	0.59	25.34	29.10	22.45	26.95	18.94
GALNT1	1.34	0.05	26.26	21.27	26.63	22.08	34.34
GALNT10	-1.13	0.44	78.32	54.49	58.48	67.38	47.60
GALNT11	1.12	0.50	37.15	35.14	36.42	36.35	48.23
GALNT12_1	2.96	0.00	3.10	4.25	2.87	4.87	8.59

GALNT12_2	2.69	0.00	3.21	2.06	3.13	4.98	6.69
GALNT15	1.21	0.96	5.96	8.24	4.44	3.96	1.52
GALNT16	-1.70	0.06	9.17	8.65	4.18	9.74	6.94
GALNT18	-4.09	0.00	53.21	47.49	46.34	50.05	6.82
GALNT2	-1.24	0.15	90.25	110.63	92.03	97.39	76.77
GALNT5	-2.24	0.00	149.42	169.65	107.57	154.92	33.84
GALNT7	2.35	0.00	65.71	64.51	80.94	67.04	233.47
GALT	-1.32	0.17	10.55	16.61	13.45	10.53	11.36
GAMT	-1.32	0.23	8.14	10.29	11.36	6.79	4.92
GAN	1.19	0.48	7.22	5.90	5.09	7.02	8.59
GANAB	-1.60	0.01	440.01	577.30	414.09	334.86	228.04
GANC	-1.07	0.86	4.47	3.29	2.35	3.40	2.65
GAPDH	1.08	0.66	346.43	676.95	510.83	406.88	416.94
GAPVD1	-1.05	0.79	74.19	67.12	59.53	70.89	62.12
GAR1	-1.04	0.87	11.01	14.96	13.32	10.98	12.50
GAREM1	1.63	0.17	1.61	1.37	1.96	2.72	2.78
GAREM2	-1.35	0.08	9.86	11.53	11.62	10.19	7.58
GARS	1.33	0.15	56.88	80.02	79.11	52.77	120.59
GART	-1.37	0.02	69.03	57.65	64.62	62.96	37.75
GAS1	-3.62	0.00	644.93	641.40	384.46	980.35	159.86
GAS2	-1.37	0.35	63.07	48.86	122.84	42.35	47.48
GAS2L1	1.13	0.53	17.09	27.31	16.58	20.95	22.60
GAS2L3	-2.55	0.00	48.28	49.69	42.43	33.97	13.64
GAS6	1.12	0.53	188.75	239.10	263.18	238.26	219.33
GAS7	1.90	0.00	78.78	86.88	67.88	72.48	185.49
GAS8	-1.43	0.09	14.33	11.53	8.35	13.59	8.21
GATAD1	-1.05	0.86	9.63	6.59	8.35	9.97	10.35
GATAD2A	-1.03	0.87	38.76	40.63	37.47	34.09	38.89
GATAD2B	1.07	0.72	17.09	12.49	17.10	20.95	19.82
GATB	1.17	0.50	5.05	4.80	4.31	6.68	6.44
GATC	1.08	0.74	6.19	8.78	8.62	7.70	8.46
GATSL2	-1.31	0.09	55.50	42.96	53.65	43.15	42.80
GATSL3	1.79	0.00	8.60	8.24	12.01	8.49	17.93
GBA	1.25	0.25	23.28	29.65	20.76	32.16	30.68
GBA2	-1.32	0.04	57.11	44.75	55.22	50.17	36.37
GBAS	-1.01	0.85	120.87	130.12	150.65	102.82	107.33
GBE1	1.77	0.00	32.68	44.61	36.03	31.59	69.45
GBF1	-1.66	0.01	8.26	10.84	10.57	10.31	6.19
GBTG1	1.67	0.04	4.36	3.98	1.83	3.17	6.94
GCAT	-1.14	0.48	11.47	13.31	12.14	11.21	8.84
GCC1	1.80	0.00	4.93	6.31	4.31	5.44	10.73
GCC2	1.73	0.00	17.55	17.02	17.49	22.20	36.62
GCDH	1.15	0.44	11.81	9.33	10.84	10.08	12.75
GCFC2	1.31	0.53	15.94	14.27	14.36	19.70	38.01
GCH1	5.24	0.00	7.80	4.39	7.70	5.55	50.38
GCHFR	1.36	0.26	4.47	4.94	4.83	2.49	5.68
GCK	1.02	0.98	1.38	4.12	3.66	2.49	4.42

GCLC	-1.23	0.35	8.03	10.57	7.18	10.64	8.71
GCLM	1.29	0.35	6.42	4.39	5.61	7.81	9.72
GCN1	-1.54	0.01	364.89	284.40	326.89	265.56	165.54
GCNT1	2.62	0.00	45.87	30.20	37.08	30.01	117.68
GCNT3	-1.62	0.22	1.26	1.51	1.31	2.83	0.63
GCNT4	-2.15	0.01	2.64	2.47	3.39	3.96	1.26
GCSH	-1.44	0.33	1.95	1.78	1.57	1.47	0.76
GDAP1	1.18	0.68	6.08	4.80	4.83	7.70	4.67
GDAP2	1.06	0.77	10.55	12.35	12.01	10.98	11.49
GDE1	-1.14	0.41	25.11	27.31	27.02	22.65	23.61
GDF1	-1.76	0.00	26.15	22.37	27.28	31.03	13.01
GDF10	-2.74	0.00	209.63	172.81	180.81	280.28	54.04
GDF11	1.16	0.59	3.44	3.98	3.66	1.93	3.28
GDF15	32.81	0.00	0.11	0.14	0.13	0.23	6.69
GDF2	-2.05	0.09	1.72	0.69	3.13	1.93	0.25
GDF5	-1.25	0.53	55.62	110.22	41.38	107.92	35.73
GDF6	26.93	0.00	2.41	1.37	0.26	8.72	74.88
GDI1	-1.54	0.00	190.25	189.41	230.41	191.38	104.17
GDI2	1.10	0.54	163.07	217.55	207.57	171.34	201.14
GDPD1	-1.33	0.49	2.41	1.65	1.70	1.13	1.39
GDPD3	3.06	0.00	0.69	0.96	1.70	0.45	2.27
GDPD5	1.86	0.01	3.55	2.47	2.22	3.28	7.07
GDPGP1	-1.11	0.79	4.59	3.71	2.61	2.94	2.65
GEM	1.93	0.00	13.19	12.08	7.83	19.59	21.59
GEMIN2	1.02	0.94	6.31	5.90	7.57	8.27	6.19
GEMIN4	-1.01	0.98	10.44	10.71	11.36	12.23	9.72
GEMIN5	1.04	0.81	19.49	18.94	25.72	19.59	19.19
GEMIN6	-1.05	0.82	7.80	7.69	9.66	8.27	6.57
GEMIN7	1.61	0.12	1.26	1.78	1.70	1.25	2.40
GEMIN8	-1.21	0.36	11.58	16.88	13.45	10.98	10.73
GEN1	-2.42	0.00	21.90	16.88	15.14	24.57	5.30
GET4	-1.18	0.43	7.91	8.24	6.53	8.72	7.07
GFAP	-2.36	0.00	443.33	273.96	316.97	157.07	102.02
GFER	-1.37	0.13	7.45	13.18	11.36	10.42	8.33
GFM1	1.04	0.82	20.18	19.22	18.67	16.87	21.72
GFM2	1.14	0.47	9.86	11.67	12.14	14.50	13.26
GFOD2	1.35	0.11	6.08	8.65	8.75	7.36	10.86
GFPT1	-1.33	0.05	161.23	156.88	183.55	151.97	127.66
GFPT2	-2.99	0.00	739.65	920.58	862.13	638.24	195.97
GFRA4	1.40	0.38	3.21	2.06	5.35	2.04	5.30
GGA1	1.21	0.30	11.12	9.47	7.96	9.74	9.85
GGA3	-1.05	0.77	37.96	32.39	32.77	38.50	33.97
GGACT	-1.45	0.04	12.84	15.78	10.84	12.12	6.57
GGCT	-1.63	0.08	5.16	2.88	4.44	4.42	3.03
GGCX	-1.39	0.03	84.97	84.96	89.42	84.48	42.05
GGH	-1.20	0.71	0.92	0.55	1.44	1.25	0.88
GGNBP2	1.24	0.13	41.86	36.78	45.17	39.86	55.43

GGPS1	1.19	0.34	9.29	12.63	8.88	12.12	11.24
GGT1	-3.00	0.00	10.66	7.41	5.22	6.79	2.40
GGT5	1.25	0.66	12.04	4.80	4.44	7.25	9.09
GGT7	-1.18	0.76	3.44	1.51	1.31	1.02	1.52
GGTA1	3.23	0.00	0.57	0.27	0.91	0.57	1.77
GHDC	1.01	0.94	16.05	19.49	12.92	18.80	13.51
GHITM	1.13	0.41	50.80	48.73	56.79	49.71	58.08
GHR	-1.17	0.53	51.60	37.88	34.20	71.12	26.77
GID4	1.02	0.94	21.33	20.04	21.67	16.76	23.99
GID8	1.04	0.80	22.71	34.04	28.07	28.99	28.28
GIGYF1	1.71	0.00	96.67	90.59	84.46	111.32	173.24
GIGYF2_1	1.24	0.13	23.05	23.47	23.37	27.29	32.20
GIGYF2_2	1.24	0.15	73.85	52.71	58.75	70.66	81.57
GIMAP8	1.70	0.72	8.49	9.88	1.83	3.62	21.09
GIN1	-1.02	0.97	8.26	5.63	6.66	7.93	7.32
GINM1	1.55	0.00	59.75	60.12	58.62	57.19	111.62
GINS1	-2.51	0.00	40.59	38.02	36.29	38.39	9.72
GINS2	-2.29	0.00	11.01	13.18	11.36	9.29	4.80
GINS3	-2.34	0.00	14.33	12.63	12.79	14.38	5.68
GINS4	-2.02	0.00	7.91	8.65	6.79	7.25	2.53
GIPC1	-1.44	0.04	22.25	27.86	16.32	18.80	13.76
GIT1	-1.04	0.81	25.11	27.31	24.80	26.27	24.62
GIT2	1.00	0.97	26.60	27.18	19.84	26.27	23.49
GJA1	3.76	0.00	76.26	68.35	70.23	113.92	353.30
GJA9	-2.66	0.02	1.03	1.92	1.96	1.02	0.00
GJC1	-1.71	0.00	25.69	30.06	25.33	27.07	14.90
GJC2	1.63	0.25	0.92	0.41	0.52	1.02	0.88
GK	-1.62	0.10	3.33	2.61	2.48	2.38	2.15
GK5	1.47	0.03	14.33	13.04	16.45	12.23	26.01
GKAP1	1.33	0.13	6.08	6.59	6.66	7.70	10.23
GKN2	57.10	0.00	0.11	0.00	0.13	0.11	8.59
GLA	-1.06	0.72	24.54	30.88	28.59	26.27	23.11
GLB1	1.01	0.99	64.56	67.67	73.50	63.64	70.20
GLB1L	-1.32	0.06	24.20	29.78	26.24	28.20	17.30
GLB1L3	1.61	0.31	2.18	0.96	2.22	2.49	2.27
GLCCI1	-2.11	0.01	5.05	3.57	4.44	4.08	1.01
GLCE	-1.15	0.37	58.25	46.67	50.65	56.40	55.43
GLDC	1.27	0.56	1.38	0.41	1.57	1.13	2.02
GLE1	-1.13	0.53	19.95	17.02	16.97	14.16	12.75
GLG1	-1.13	0.44	1115.55	1139.09	1177.13	1178.75	853.82
GLI1	-1.66	0.23	8.26	3.71	2.09	5.66	5.05
GLI2	-2.11	0.00	76.95	88.94	59.40	70.55	28.66
GLI3	-1.06	0.82	92.20	70.28	78.33	108.15	81.82
GLI4	1.02	0.94	5.39	5.49	6.66	6.00	6.31
GLIPR2	1.15	0.73	4.93	5.76	3.79	3.62	7.32
GLIS1	-4.22	0.00	24.20	18.53	19.19	19.25	3.41
GLIS2	1.80	0.00	58.94	58.75	63.18	62.96	92.30

GLIS3	2.18	0.00	43.69	42.41	33.68	25.59	94.83
GLMN	-1.09	0.61	16.28	19.35	19.97	19.14	20.46
GLMP	1.21	0.46	18.46	21.41	15.80	17.67	22.98
GLO1	-2.14	0.00	65.25	52.16	58.48	35.90	23.74
GLOD4	1.36	0.03	18.35	25.39	23.24	21.52	27.65
GLRX	1.83	0.01	5.28	5.08	3.26	3.96	8.71
GLRX2	1.81	0.01	3.21	3.02	3.52	4.19	7.70
GLRX3	1.10	0.54	22.82	27.59	29.50	23.44	29.93
GLRX5	-1.46	0.02	13.19	20.18	16.06	15.17	10.23
GLS	-2.09	0.00	321.78	304.98	423.36	335.54	136.12
GLS2	1.22	0.38	7.68	3.98	6.66	7.81	7.83
GLT8D1	-1.57	0.00	133.25	133.41	134.72	118.68	74.25
GLT8D2	-2.11	0.00	75.00	59.57	56.40	53.34	21.21
GLTP	1.15	0.51	11.24	9.20	9.53	7.13	11.11
GLTPD2	1.71	0.29	0.11	1.10	0.52	0.23	0.51
GLTSCR1	1.30	0.08	21.67	14.69	17.23	20.38	26.01
GLTSCR1L	-1.15	0.40	74.42	60.80	54.31	73.27	56.69
GLTSCR2	1.88	0.00	28.78	73.71	52.09	41.79	103.92
GLUD1	1.27	0.12	135.66	134.24	119.45	133.17	167.68
GLUL	4.14	0.00	25.00	16.33	20.76	12.68	109.73
GLYCTK	-1.20	0.36	10.21	15.37	12.79	12.00	8.59
GLYR1	-1.37	0.03	111.01	87.57	97.26	87.65	69.07
GM2A	1.05	0.90	2.52	3.43	3.52	2.49	2.78
GMCL1	1.60	0.00	30.85	33.77	31.59	34.20	49.37
GMDS	-1.07	0.69	32.11	33.63	26.76	26.39	28.92
GMEB1	-1.43	0.01	26.15	21.82	20.89	25.37	16.16
GMEB2	1.05	0.78	19.27	16.06	19.45	19.14	19.32
GMFB	-1.07	0.66	31.65	32.12	33.68	31.03	33.59
GMIP	1.92	0.00	4.93	4.80	5.48	3.62	10.61
GMNN	-2.34	0.00	12.38	19.63	19.71	17.55	4.04
GMPPA	-1.37	0.02	62.73	54.49	50.78	56.28	35.61
GMPPB	-1.41	0.01	52.06	52.16	48.56	44.84	35.36
GMPR2	-1.26	0.14	19.95	19.90	20.76	18.35	12.75
GMPS	1.08	0.69	42.09	44.47	36.68	32.95	50.89
GNA11	-1.21	0.27	19.72	24.57	18.15	17.44	15.40
GNA12	2.51	0.00	28.32	33.90	28.72	33.52	92.18
GNA13	1.14	0.40	123.96	126.28	121.41	136.68	137.88
GNAI1	1.79	0.01	5.85	7.00	6.14	2.04	9.47
GNAI2	1.15	0.43	269.26	336.96	306.00	235.09	341.43
GNAI3	-1.12	0.46	67.08	81.12	73.50	75.87	61.49
GNAL	-1.69	0.00	25.69	30.33	22.32	22.42	13.38
GNAO1	9.60	0.00	0.00	0.00	0.52	0.11	1.39
GNAQ	1.30	0.11	13.99	12.76	13.58	19.36	18.69
GNAS	-1.80	0.00	1171.74	1731.63	1276.61	1220.19	676.16
GNAT2	-1.46	0.10	5.85	5.63	5.22	6.79	4.92
GNB1	-1.24	0.16	223.50	257.77	240.20	210.18	188.27
GNB1L	-1.40	0.04	14.56	12.90	13.45	14.38	9.98

GNB2	-1.18	0.33	119.72	156.61	113.44	110.98	101.27
GNB3	-1.45	0.06	16.86	11.67	12.66	9.51	7.32
GNB4	-1.66	0.00	210.89	235.81	316.18	191.38	126.02
GNB5	-1.38	0.02	38.87	35.00	32.64	40.99	24.24
GNE	-1.33	0.05	137.84	128.06	144.64	119.81	88.01
GNG10	-1.85	0.00	84.17	113.51	94.12	80.29	54.42
GNG12	1.74	0.01	3.55	3.84	3.26	3.85	5.81
GNG2	-1.75	0.01	182.91	296.75	164.36	140.87	150.01
GNG5	2.05	0.00	14.22	20.31	16.84	15.40	41.54
GNG7	1.00	0.99	8.14	9.47	11.10	8.27	7.20
GNL1	1.13	0.42	24.08	37.33	31.98	29.67	35.48
GNL2	-1.22	0.16	33.48	31.57	33.29	30.92	24.75
GNL3	1.09	0.71	44.15	36.65	48.43	35.78	37.63
GNL3L	1.26	0.12	67.31	53.67	56.53	69.08	77.15
GNMT	-1.18	0.57	6.42	5.08	3.52	4.64	5.30
GNPAT	1.06	0.69	32.91	41.73	44.12	41.45	42.30
GNPDA1	1.15	0.44	12.04	11.53	7.44	10.64	12.00
GNPDA2	1.01	0.98	12.73	11.12	12.14	12.23	13.51
GNPNAT1	-3.27	0.00	31.42	34.59	45.30	20.84	7.58
GNPTAB	-1.48	0.02	873.59	1080.76	768.00	801.99	740.43
GNPTG	1.24	0.26	9.06	10.02	15.27	9.17	14.52
GNS	1.15	0.38	87.15	101.30	101.04	93.20	97.73
GOLGA1	-1.55	0.00	40.14	29.92	40.86	28.54	20.08
GOLGA2	-1.38	0.02	262.15	269.02	271.01	259.89	158.21
GOLGA3	-1.63	0.00	218.80	195.73	236.29	191.27	101.52
GOLGA4	1.34	0.05	145.18	120.10	127.54	180.85	193.82
GOLGA5	1.03	0.84	57.57	59.84	54.70	51.64	62.12
GOLGA7	1.02	0.91	70.30	84.00	74.02	71.23	81.06
GOLGA7B	54.88	0.00	0.23	0.00	0.52	0.79	20.08
GOLGB1	-1.11	0.52	292.08	255.71	282.11	288.32	258.09
GOLIM4	-1.66	0.00	597.57	471.61	566.44	455.92	284.86
GOLM1	-1.60	0.00	41.17	46.80	37.73	51.64	23.86
GOLPH3	-2.00	0.00	222.24	220.85	192.42	217.77	88.01
GOLPH3L	1.18	0.31	14.22	17.16	18.93	15.74	18.56
GOLT1B	-1.68	0.00	26.03	28.27	35.12	25.37	12.12
GON4L	1.01	0.97	45.98	44.20	40.99	43.60	40.53
GOPC	-1.38	0.01	39.91	36.51	39.42	36.80	26.90
GORAB	-1.11	0.53	25.92	26.08	31.98	29.22	21.97
GORASP1	-1.67	0.00	69.15	73.71	66.71	61.26	28.92
GORASP2	-1.48	0.00	202.17	210.55	172.84	196.70	118.44
GOSR1	-1.04	0.85	19.15	14.96	18.67	17.10	16.79
GOSR2	-1.15	0.36	49.88	48.04	52.74	42.24	44.83
GOT1	1.57	0.01	20.07	19.63	16.32	14.61	34.85
GOT2	-1.20	0.24	45.30	55.18	57.57	44.62	40.91
GP9	-1.30	0.58	0.92	1.37	0.78	1.02	0.76
GPAA1	-1.17	0.25	52.18	51.06	51.57	51.19	46.47
GPALPP1	-1.14	0.52	9.29	8.24	8.75	8.38	8.08

GPAM	-1.77	0.00	28.67	18.94	24.15	20.72	11.49
GPANK1	1.04	0.81	29.36	38.16	27.55	23.78	32.32
GPAT3	2.55	0.00	19.15	18.67	17.62	32.05	74.62
GPAT4	1.36	0.02	29.13	38.16	31.33	33.97	46.34
GPATCH1	1.09	0.67	11.01	13.45	12.01	11.66	15.28
GPATCH11	-1.14	0.59	5.62	7.27	5.87	7.36	6.06
GPATCH2	-1.07	0.77	8.60	11.39	10.57	13.14	9.98
GPATCH2L	-1.13	0.49	18.00	13.31	16.19	17.10	16.16
GPATCH3	1.26	0.30	4.93	6.18	4.96	4.30	5.81
GPATCH4	2.10	0.00	3.33	4.67	3.13	4.08	8.46
GPATCH8	-1.02	0.90	103.67	91.96	92.17	106.90	98.74
GPBP1	1.01	0.98	87.50	97.18	100.91	97.39	88.26
GPBP1L1	1.44	0.01	37.50	44.61	43.86	52.09	74.50
GPC1	-2.62	0.00	28.10	38.02	44.12	17.67	12.25
GPC3	-3.25	0.00	138.30	314.04	112.66	224.22	34.09
GPC4	-1.17	0.30	30.73	30.20	30.81	29.33	22.48
GPC6	1.02	0.88	67.66	66.02	56.27	77.68	67.81
GPCPD1	1.28	0.16	35.09	29.51	42.56	41.45	56.57
GPD1	-1.15	0.71	11.12	4.94	6.14	6.23	8.21
GPD2	1.03	0.94	5.62	6.31	4.57	5.10	4.17
GPHN	1.64	0.00	15.71	17.57	12.14	12.46	26.77
GPI	1.12	0.47	126.83	179.53	152.87	140.08	160.36
GPKOW	-1.05	0.88	75.46	119.55	89.69	69.64	103.79
GPLD1	3.93	0.00	0.69	0.41	1.31	1.25	1.89
GPM6B	-1.00	0.99	1.38	0.55	1.70	1.59	0.76
GPN1	-1.02	0.93	21.79	15.92	16.19	18.69	18.18
GPN2	1.01	0.96	3.90	5.90	6.14	3.51	6.31
GPN3	-1.02	0.93	7.22	7.00	5.61	7.47	5.30
GPNMB	1.20	0.80	4.24	3.84	5.74	2.49	2.02
GPR1	2.49	0.04	0.46	1.10	0.13	0.68	0.88
GPR107	-1.24	0.15	32.68	29.24	31.20	33.86	21.59
GPR108	1.31	0.08	16.28	18.26	13.84	15.06	23.11
GPR135	-1.21	0.70	1.26	1.51	1.70	0.68	1.01
GPR137	-1.21	0.25	18.81	21.41	16.06	21.29	13.89
GPR137B	1.31	0.24	6.65	5.63	7.31	7.70	11.87
GPR151	-1.02	0.97	2.41	1.92	2.61	2.72	2.15
GPR153	-1.60	0.01	37.15	32.94	23.24	48.47	19.82
GPR155	1.04	0.92	5.62	6.31	10.05	6.91	7.20
GPR156	-2.55	0.02	1.83	1.10	1.44	1.13	0.63
GPR157	2.46	0.01	2.41	2.33	2.09	3.06	9.47
GPR161	-1.18	0.45	9.98	7.55	7.31	8.61	6.57
GPR162	-2.08	0.03	2.87	1.51	1.83	1.81	1.14
GPR173	-1.87	0.00	43.92	45.16	34.99	35.78	26.90
GPR176	-1.33	0.20	8.72	9.20	11.49	7.02	6.31
GPR180	-2.46	0.00	21.44	17.98	21.28	19.48	5.68
GPR19	-1.34	0.46	1.83	0.82	2.22	1.93	1.14
GPR63	-1.75	0.08	2.64	2.88	4.57	2.26	1.89

GPR68	-4.81	0.00	8.72	3.43	9.01	1.36	1.14
GPR83	1.10	0.76	2.41	0.96	1.31	2.15	1.89
GPR84	133.07	0.00	0.23	0.00	0.13	0.00	20.71
GPR88	23.80	0.00	0.11	0.41	0.00	0.11	4.42
GPR89A	-1.19	0.27	18.58	19.08	16.58	16.99	14.52
GPRC5A	2.07	0.07	0.46	0.41	0.13	1.70	1.14
GPRC5B	-1.28	0.50	14.45	12.90	8.22	24.69	10.10
GPRC5C	-1.60	0.00	76.60	94.71	95.82	56.96	48.61
GPRIN2	2.01	0.00	7.34	8.65	7.31	4.30	20.20
GPS1	-1.00	0.98	19.49	21.14	20.37	19.25	21.34
GPS2	-1.14	0.52	13.53	16.61	11.23	13.36	9.85
GPSM1	-2.74	0.00	214.44	262.57	218.80	210.18	63.51
GPSM2	-1.36	0.09	142.43	131.63	190.07	113.92	101.39
GPT	-1.87	0.00	10.89	14.69	15.14	9.29	6.57
GPT2	1.13	0.51	185.89	538.46	234.98	228.41	352.54
GPX1	28.00	0.00	6.19	5.90	5.74	9.97	270.84
GPX3	34.16	0.00	2.41	3.43	3.39	3.96	152.41
GPX4	1.35	0.04	32.57	41.59	35.25	29.90	53.29
GPX7	-2.75	0.00	58.14	79.06	65.53	60.36	20.58
GPX8	-1.40	0.03	68.46	93.88	89.29	71.46	44.70
GRAMD1A	-1.21	0.22	36.81	48.45	37.47	36.01	29.55
GRAMD1B	1.12	0.84	2.06	2.06	1.96	2.72	1.14
GRAMD1C	1.15	0.55	6.42	5.63	7.96	8.04	8.84
GRAMD2	-3.44	0.00	159.63	121.20	117.88	81.31	26.64
GRAMD3	-1.37	0.03	27.52	32.39	25.85	27.18	18.44
GRAMD4	1.55	0.06	2.87	3.98	2.74	4.87	6.44
GRAP2	-5.26	0.00	7.68	6.18	3.26	2.15	0.38
GRASP	-1.91	0.04	3.55	6.18	4.57	2.38	1.52
GRB10	1.48	0.00	19.95	18.53	19.32	20.50	29.42
GRB2	-1.20	0.20	37.27	46.12	39.42	39.52	32.96
GRB7	1.03	0.84	0.34	1.10	0.39	1.81	1.01
GREB1L	-1.74	0.10	6.31	2.33	4.05	4.98	3.91
GREM1	-2.97	0.00	2143.38	1905.81	3326.05	1425.39	690.81
GRHL1	-1.25	0.35	12.16	9.61	7.05	11.44	6.44
GRHL3	75.50	0.00	0.11	0.00	0.00	0.00	3.16
GRHPR	-1.16	0.73	2.18	5.90	4.44	4.42	4.29
GRIA3	-3.28	0.02	9.75	5.08	20.89	2.49	0.76
GRID1	-5.16	0.00	9.63	17.16	4.31	2.94	0.38
GRIK5	1.22	0.66	3.10	2.06	2.61	3.06	4.92
GRIN2A	-2.33	0.34	1.15	0.96	0.52	4.53	1.14
GRIN2C	2.19	0.06	0.46	0.55	0.65	1.02	2.27
GRIN2D	2.29	0.00	9.29	10.16	10.97	10.87	27.78
GRINA	2.59	0.00	19.84	25.39	20.50	22.08	72.48
GRIPAP1	1.85	0.00	112.95	141.10	104.57	111.43	287.01
GRK4	-1.66	0.00	43.23	43.10	40.86	36.01	21.47
GRK5	1.87	0.02	44.84	80.16	52.35	60.59	165.16
GRK6	-1.20	0.26	19.38	17.57	16.97	16.53	15.78

GRN	1.18	0.30	65.48	96.08	70.76	73.72	90.03
GRO1	490.66	0.00	0.00	0.00	0.00	0.00	8.33
GRPEL1	1.02	0.92	25.34	26.35	19.71	21.97	23.49
GRPEL2	-1.01	0.97	73.62	147.96	123.76	79.16	123.49
GRSF1	1.32	0.05	48.97	45.29	55.74	52.77	75.00
GRTP1	-1.61	0.31	2.52	2.61	0.65	2.60	1.14
GRWD1	1.39	0.17	7.91	9.47	5.74	6.23	13.51
GSAP	2.47	0.01	10.32	14.96	17.36	5.44	48.49
GSDMB	1.02	0.91	2.06	0.55	1.70	1.02	1.39
GSDMD	1.18	0.66	9.06	4.53	3.79	6.79	12.00
GSK3A	-1.16	0.28	44.38	44.47	42.95	42.92	38.51
GSK3B_2	1.51	0.06	5.28	4.67	6.14	6.12	10.86
GSKIP	1.11	0.55	30.39	42.69	36.68	30.92	40.28
GSN	-1.05	0.88	873.48	782.09	578.19	979.55	739.55
GSPT1	2.33	0.00	7.91	11.12	11.10	11.55	26.64
GSPT2	-1.00	0.96	6.31	5.49	9.53	8.95	7.07
GSR	1.20	0.30	12.73	14.96	18.02	16.99	21.97
GSS	1.05	0.80	12.16	12.22	11.10	8.38	11.11
GSTA4	-1.23	0.14	42.31	45.02	50.13	47.68	45.71
GSTCD	-1.56	0.02	12.50	14.82	9.27	14.27	8.59
GSTK1	1.10	0.63	14.22	11.53	14.88	12.23	12.75
GSTM1_1	-1.94	0.00	18.58	21.82	25.85	16.31	7.20
GSTM1_2	1.00	1.00	3.33	3.43	3.52	2.04	2.02
GSTM2	-1.69	0.04	6.88	5.22	9.40	6.45	3.66
GSTM3	-1.46	0.16	15.71	25.53	36.94	15.63	15.03
GSTO1_1	1.37	0.31	3.21	5.22	7.44	2.83	5.30
GSTO1_2	1.19	0.48	5.05	9.75	16.84	6.23	8.21
GSTP1_1	44.27	0.00	0.00	0.82	0.13	2.38	52.65
GSTP1_2	2.03	0.00	56.88	108.98	73.50	74.97	166.67
GSTT1	1.45	0.01	22.02	29.37	30.42	26.05	38.26
GSTT2	2.30	0.00	6.08	5.90	3.66	5.78	18.56
GSTT4	1.68	0.23	0.80	0.96	0.65	1.13	2.40
GSTZ1	-1.19	0.44	6.65	7.14	6.27	6.57	6.57
GTDC1	-1.28	0.33	5.16	4.94	6.92	4.98	4.29
GTF2A1	-1.20	0.19	61.92	64.10	69.58	72.93	51.52
GTF2A2	-1.10	0.61	23.05	28.69	32.77	23.55	22.60
GTF2B	1.11	0.55	15.02	16.06	15.53	16.99	16.92
GTF2E1	1.01	0.94	12.16	15.24	13.05	9.85	12.75
GTF2E2	1.07	0.67	23.28	22.10	26.76	20.04	25.00
GTF2F1	1.01	0.98	22.13	26.35	24.28	20.50	25.76
GTF2F2	-1.85	0.00	19.72	18.94	20.10	16.42	9.85
GTF2H1	1.50	0.00	17.77	16.61	18.67	18.91	31.82
GTF2H2	-1.07	0.73	11.35	9.75	11.10	10.53	9.22
GTF2H3	-1.39	0.04	14.56	13.86	11.62	12.57	10.35
GTF2H4	1.13	0.54	8.03	10.43	7.31	10.42	10.86
GTF2H5	-1.06	0.88	10.32	16.75	15.27	10.31	12.75
GTF2I	-1.25	0.19	301.71	418.91	360.96	333.84	251.65

GTF2IRD1	1.80	0.00	10.89	13.04	10.84	12.46	25.88
GTF2IRD2	1.08	0.64	23.62	20.59	21.02	21.18	22.73
GTF3A	1.41	0.12	3.21	6.73	5.09	6.23	7.83
GTF3C1	2.37	0.00	109.28	116.12	104.31	125.81	278.55
GTF3C2	1.08	0.63	42.54	35.14	30.81	35.11	34.47
GTF3C3	1.06	0.74	26.60	21.69	22.85	25.71	25.51
GTF3C4	1.07	0.74	33.48	28.14	28.98	36.69	38.26
GTF3C5	-1.08	0.68	10.44	14.14	13.71	12.91	13.64
GTF3C6	-1.15	0.51	101.49	157.02	123.76	104.30	144.58
GTPBP1	-1.16	0.37	17.32	16.20	15.27	15.74	15.40
GTPBP10_1	1.04	0.92	4.13	3.16	4.44	3.74	4.29
GTPBP10_2	-1.09	0.73	9.75	6.18	8.88	8.38	6.94
GTPBP2	1.67	0.00	31.19	28.14	28.98	36.69	59.60
GTPBP3	1.22	0.22	14.10	12.08	15.14	14.04	16.16
GTPBP4	1.21	0.20	33.14	38.29	44.26	32.73	42.43
GTPBP6	1.59	0.00	15.71	13.31	14.88	16.19	30.30
GTPBP8	-1.08	0.87	2.75	1.78	3.52	1.81	2.90
GTSE1	-2.89	0.00	22.02	24.84	19.32	17.67	4.42
GUCD1	-1.19	0.24	54.47	60.39	58.75	50.96	42.55
GUCY1B3	-1.23	0.32	19.95	21.14	27.02	33.52	10.35
GUCY2D	-1.25	0.35	11.01	10.57	6.79	8.61	6.06
GUF1	1.01	0.98	39.45	28.41	32.90	40.77	29.29
GUK1	-1.19	0.31	33.71	38.02	34.07	25.37	27.91
GULO	-1.21	0.92	2.75	0.14	0.52	2.04	1.52
GULP1	1.28	0.48	2.18	0.69	1.04	1.81	1.39
GUSB	-1.08	0.61	42.77	44.33	40.86	42.81	46.47
GXYLT1	1.08	0.76	12.16	12.35	10.70	12.46	16.16
GXYLT2	-1.87	0.00	485.65	576.07	588.63	513.33	171.60
GYG1	1.50	0.05	4.47	3.43	4.31	4.42	6.69
GYG2	-1.72	0.00	133.25	142.47	127.28	135.67	56.95
GYLTL1B	1.00	0.96	1.83	0.82	2.35	2.72	1.89
GPC	-2.61	0.00	3.78	6.04	5.87	4.08	2.02
GYS1	2.55	0.00	17.20	19.76	19.58	18.91	43.18
GZF1	1.20	0.28	42.43	72.06	61.49	39.97	71.09
H1F0	-1.11	0.57	325.33	287.96	311.22	408.69	315.16
H1FX	-1.25	0.12	190.93	194.49	167.75	185.38	153.42
H2AFJ	1.70	0.00	7.68	7.82	8.49	7.47	18.31
H2AFV	-1.95	0.00	95.07	134.51	89.29	77.68	47.60
H2AFX	-1.77	0.00	35.32	40.35	29.90	30.92	16.54
H2AFY	-1.27	0.14	16.86	20.45	17.10	16.19	11.87
H2AFY2	1.61	0.00	11.93	8.24	11.10	9.40	17.80
H2AFZ	-2.40	0.00	132.79	155.24	126.11	118.00	41.92
H3F3A	-1.01	0.97	44.84	69.86	57.44	46.77	59.22
H3F3B	-1.01	0.83	559.27	415.20	528.71	567.91	451.16
H3F3C_1	-1.28	0.55	2.41	1.24	1.44	2.49	1.52
HABP4	-1.47	0.03	10.09	9.88	12.01	11.32	5.18
HACD1	-1.06	0.87	4.82	3.29	3.92	3.17	3.66

HACD2	1.50	0.00	17.55	22.10	17.49	19.14	33.33
HACD3	-1.51	0.00	37.84	41.18	43.86	41.67	28.03
HACD4	1.61	0.51	1.72	1.24	4.70	0.34	4.17
HACE1	1.00	0.94	16.74	12.76	18.93	24.80	20.83
HAACL1	1.03	0.84	27.52	15.78	27.55	26.61	27.53
HADH	-1.10	0.58	30.73	33.63	35.90	28.54	27.40
HADHA	1.21	0.20	75.69	89.90	75.85	73.61	95.08
HADHB	-1.00	0.99	39.68	41.73	45.56	45.18	44.07
HAGH	-1.22	0.39	11.01	14.00	10.84	7.81	9.34
HAGHL	-1.02	0.94	9.52	7.69	6.92	10.64	9.72
HAND2	-1.12	0.82	3.67	3.29	7.57	6.23	3.54
HAP1	10.18	0.00	1.61	0.41	0.65	1.25	16.29
HAPLN1	-1.58	0.00	7115.90	8473.53	9759.75	7294.21	4247.78
HAPLN3	4.87	0.00	17.20	21.41	14.75	16.99	86.11
HARBI1	-1.08	0.75	8.94	8.24	5.09	6.45	6.44
HARS	-1.06	0.75	26.49	20.86	21.02	23.67	21.21
HARS2	1.03	0.90	21.21	20.18	21.80	16.31	17.68
HAS2	-2.49	0.00	85.78	89.77	81.72	68.97	24.75
HAS3	14.65	0.00	5.62	5.63	3.79	5.55	94.20
HAT1	-1.31	0.05	29.24	34.45	32.24	36.46	25.00
HAUS1	1.03	0.87	12.96	11.26	12.14	11.55	13.01
HAUS2	-1.12	0.49	28.32	25.12	22.58	25.37	20.08
HAUS3	-1.53	0.00	34.52	28.82	29.90	29.90	18.31
HAUS4	-1.02	0.97	22.13	21.69	15.01	21.74	20.83
HAUS5	-1.04	0.86	66.63	47.22	63.31	68.29	53.03
HAUS6	-1.09	0.66	26.26	19.76	21.67	27.29	20.96
HAUS7	-1.67	0.00	17.20	19.63	14.88	19.48	8.08
HAUS8	-1.51	0.00	29.82	27.73	30.42	24.35	17.42
HAVCR2	1.39	0.45	1.26	0.41	1.31	1.25	2.02
HAX1	1.15	0.51	14.91	17.02	15.27	14.61	16.41
HBEGF	-3.56	0.01	1.83	0.55	1.44	2.94	0.25
HBP1	1.81	0.00	49.08	54.22	52.48	59.79	107.96
HBS1L	-1.05	0.78	53.78	55.86	60.57	54.70	55.43
HCCS	-1.27	0.33	4.59	5.76	4.44	4.98	5.30
HCFC1	-1.30	0.07	158.14	153.86	128.85	156.50	105.94
HCFC1R1	-1.82	0.00	30.39	51.88	30.16	31.93	15.40
HCFC2	-1.33	0.03	68.00	78.51	83.68	73.16	54.80
HCK	26.19	0.00	0.46	2.47	1.17	0.11	33.21
HCLS1	2.97	0.00	2.18	2.06	1.96	3.51	6.19
HCN2	1.21	0.51	3.55	3.84	3.52	4.53	3.28
HDAC1	1.06	0.73	60.43	69.31	51.04	59.57	62.38
HDAC10	-1.18	0.41	12.96	11.53	9.53	14.04	8.84
HDAC11	2.23	0.00	5.05	7.69	4.83	5.21	21.59
HDAC2	-1.45	0.00	68.00	76.31	75.98	60.25	45.58
HDAC3	-1.29	0.07	30.96	26.90	28.59	29.10	19.70
HDAC4	1.07	0.66	56.19	50.78	42.43	47.90	53.54
HDAC5	1.85	0.00	27.52	32.39	36.55	36.58	64.14

HDAC6	-1.22	0.19	37.73	38.57	32.90	45.52	27.15
HDAC7	2.61	0.00	11.70	6.59	12.79	8.72	30.05
HDAC8	-1.83	0.00	48.85	63.28	60.44	45.52	26.39
HDAC9	1.97	0.00	15.60	16.47	10.44	29.78	31.69
HDDC2	-1.58	0.02	35.55	23.47	38.64	32.16	16.92
HDDC3	-1.30	0.29	6.31	9.47	6.27	6.34	4.42
HDGF	-1.14	0.46	129.12	162.79	137.46	116.30	128.54
HDGFRP2	-1.16	0.39	53.55	79.20	55.61	62.74	47.10
HDGFRP3	1.19	0.32	34.98	49.41	36.16	45.30	52.65
HDHD2	-1.41	0.13	5.50	5.08	4.70	6.79	3.91
HDHD3	-1.34	0.09	11.93	11.12	12.92	10.98	7.45
HDLBP	-1.58	0.00	462.37	556.03	486.15	374.95	295.85
HEATR1	1.13	0.72	2.75	1.51	1.96	1.59	2.27
HEATR3	1.30	0.13	16.74	15.24	18.41	21.74	18.06
HEATR4	-1.52	0.19	2.52	2.06	2.48	1.93	1.14
HEATR5A	-1.51	0.00	56.19	48.73	59.01	58.32	36.87
HEATR5B	-1.52	0.00	90.25	69.73	76.89	67.83	52.40
HEATR6	1.04	0.81	34.98	30.20	38.38	31.14	36.11
HEBP1	-1.65	0.30	11.12	13.45	17.49	2.72	9.34
HEBP2	-1.10	0.61	21.67	28.82	34.20	26.50	30.68
HECA	1.71	0.00	15.71	12.35	14.88	18.35	31.95
HECTD1	-1.21	0.30	495.16	468.32	369.84	382.99	316.81
HECTD2	3.26	0.00	9.06	6.18	4.57	19.14	46.34
HECTD3	1.21	0.20	24.08	22.78	27.02	30.12	30.81
HECTD4	-1.05	0.88	76.83	55.18	101.56	102.03	95.21
HEG1	1.20	0.35	15.83	10.57	14.75	16.31	21.59
HELB	1.24	0.23	8.49	9.33	11.10	9.74	12.75
HELLS	-1.96	0.00	22.13	25.67	21.67	23.89	7.95
HELQ	-1.12	0.57	12.96	9.75	9.66	11.55	12.25
HELZ	1.03	0.90	77.63	60.12	70.23	72.25	83.72
HEMK1	-1.29	0.23	10.21	7.55	10.70	12.68	6.06
HENMT1	-1.04	0.90	8.83	6.45	9.40	9.17	8.08
HEPACAM	3.43	0.01	0.34	0.00	0.52	0.68	2.02
HERC1	-1.24	0.29	8.72	7.27	9.53	9.06	6.94
HERC2	-1.10	0.57	139.10	118.32	123.89	148.12	113.51
HERC3	1.58	0.00	11.24	8.51	13.05	10.08	15.53
HERC4	1.15	0.38	37.96	35.41	45.95	43.37	42.05
HERC6	-1.45	0.28	4.82	2.06	3.92	3.17	1.39
HERPUD1	1.36	0.02	65.02	59.98	61.62	62.51	91.04
HERPUD2	1.20	0.27	26.49	18.94	26.24	23.89	33.59
HES1	-1.34	0.39	1.95	2.20	1.57	3.96	0.63
HES2	-1.60	0.03	11.70	11.67	12.92	9.74	11.36
HES4	-1.08	0.82	0.46	0.69	1.70	1.02	0.63
HESX1	-1.26	0.44	2.52	2.61	3.13	3.85	3.41
HEXA	1.24	0.22	67.77	92.79	77.15	92.86	85.10
HEXB	1.30	0.23	28.44	14.96	19.19	32.95	37.25
HEXDC	-1.14	0.51	17.66	13.59	21.93	18.23	17.68

HEXIM1	1.41	0.03	62.38	36.51	48.30	51.41	73.11
HEXIM2	1.33	0.26	3.78	3.57	2.61	2.38	4.67
HEY2	1.09	0.99	1.83	1.51	2.09	1.13	0.88
HEYL	-1.48	0.36	2.06	2.47	3.39	1.02	1.01
HGH1	1.09	0.65	15.60	16.88	18.41	11.55	17.93
HGS	1.14	0.39	53.32	53.94	45.30	48.92	63.64
HGSNAT	1.04	0.83	49.88	49.14	48.82	50.28	57.70
HHAT	-2.04	0.00	21.56	20.59	18.15	17.10	8.71
HHIP	-10.17	0.00	8.37	2.33	16.32	2.94	0.13
HHIPL1	1.27	0.18	68.46	70.41	54.70	80.86	72.23
HHIPL2	3.66	0.00	52.06	40.63	34.59	63.87	244.71
HIBADH	-1.07	0.67	41.28	51.33	47.26	45.18	42.30
HIBCH	1.02	0.91	13.99	13.18	14.10	19.93	14.02
HIC1	2.51	0.08	0.46	0.69	0.39	0.34	0.51
HIF1A	1.19	0.31	104.58	147.69	115.27	103.96	122.48
HIF1AN	-1.14	0.48	15.37	22.37	18.02	18.23	18.18
HIF3A	-2.69	0.00	2.87	1.78	1.96	1.93	0.76
HIGD1A_1	-1.33	0.28	4.70	4.94	7.44	4.53	4.29
HIGD1C	1.84	0.07	1.49	1.24	1.04	1.47	2.90
HIGD2A	1.12	0.66	6.54	5.90	6.01	4.98	5.81
HILPDA	1.80	0.02	2.29	1.92	2.87	2.60	3.03
HINFP	-1.15	0.47	16.74	13.18	17.23	12.57	13.51
HINT1	1.01	0.99	10.09	10.29	6.53	8.61	9.47
HINT2	-1.05	0.81	6.65	8.78	7.57	7.47	10.10
HINT3	2.11	0.00	2.29	3.16	2.09	3.28	6.94
HIP1	1.92	0.00	59.29	53.26	56.40	82.89	141.04
HIP1R	1.57	0.10	17.20	7.82	7.83	6.12	25.38
HIPK1	1.02	0.95	52.52	51.75	52.22	53.45	58.21
HIPK2	-1.08	0.82	1.95	3.71	4.44	3.62	4.29
HIPK3	1.45	0.01	23.51	19.35	24.02	29.44	37.63
HIPK4	1.34	0.50	1.03	1.24	0.91	0.91	1.64
HIRIP3	-1.68	0.00	11.93	17.71	14.10	13.48	7.32
HIST1H1E_1	-1.23	0.66	3.44	3.57	3.39	8.04	3.28
HIST1H2AC_1	-1.14	0.77	1.38	1.24	0.78	2.60	1.26
HIST1H2AC_2	1.27	0.52	0.57	1.24	0.78	2.94	1.64
HIST1H2BD	-1.01	0.81	9.29	15.10	16.97	17.33	9.85
HIST2H2BE	1.47	0.01	30.85	35.69	34.86	54.36	64.90
HIVEP1	1.67	0.00	19.49	27.59	20.23	31.48	54.04
HIVEP2	4.61	0.00	18.23	20.04	18.54	23.44	110.23
HIVEP3	1.64	0.02	8.83	11.53	7.57	18.46	25.63
HJURP	-3.59	0.00	91.97	82.63	82.51	51.98	15.40
HK1	4.63	0.00	87.96	154.14	112.79	106.79	696.87
HK2	1.01	0.95	58.03	105.96	99.74	77.12	64.65
HKDC1	2.54	0.02	8.94	9.61	10.05	6.91	44.19
HLCS	1.17	0.45	12.84	10.98	13.58	10.31	17.42
HLF	3.19	0.01	6.65	5.49	1.96	10.64	39.65
HLTF	-1.27	0.09	41.74	50.92	50.91	48.69	30.18

HLX	-1.16	0.79	4.13	1.92	6.53	2.49	4.55
HM13	1.68	0.00	48.74	51.33	40.99	48.69	88.01
HMBOX1	1.01	0.97	9.40	8.10	7.57	11.21	10.35
HMBS	1.59	0.00	10.09	10.98	10.31	9.63	16.29
HMCES	-1.18	0.38	15.71	14.55	12.40	12.00	13.01
HMCN1	-2.55	0.00	20.18	32.26	19.45	15.74	4.80
HMG20A	-1.04	0.81	51.72	58.33	63.45	59.00	54.80
HMG20B	-1.44	0.03	41.28	64.79	40.99	45.52	34.47
HMGA1	8.31	0.00	1.95	3.43	1.96	6.12	38.39
HMGB1	-1.34	0.06	42.54	57.65	41.91	42.69	30.30
HMGB2	-2.59	0.00	32.11	38.29	30.16	22.31	11.11
HMGB3	-2.88	0.00	6.88	11.12	5.35	4.64	2.90
HMGCL	1.29	0.10	16.74	13.18	14.36	12.80	18.94
HMGCR	-1.33	0.06	169.03	210.14	171.93	161.94	141.67
HMGCS1	-1.55	0.01	375.33	482.87	437.59	289.68	209.35
HMGN1	-1.40	0.03	78.55	96.22	76.76	76.44	46.72
HMGN2	-1.95	0.00	363.40	394.61	317.49	315.61	174.50
HMGN3	-1.28	0.13	74.42	103.90	74.41	82.67	58.46
HMGN5	-1.27	0.54	1.61	1.51	1.83	1.13	1.39
HMGXB3	-1.30	0.45	76.26	68.63	42.04	139.40	45.33
HMGXB4	-1.12	0.48	18.81	18.94	18.28	20.04	16.92
HMHA1	-1.13	0.62	0.80	0.96	1.83	1.36	0.51
HMMR	-2.52	0.00	83.83	103.08	97.26	75.53	21.47
HMOX1	4.58	0.00	3.90	4.39	4.31	6.34	28.28
HMOX2	1.13	0.48	15.14	20.04	15.80	14.95	18.06
HN1	-2.89	0.00	18.35	27.04	18.54	14.95	5.68
HN1L	-1.37	0.03	51.37	69.59	57.05	50.05	34.22
HNRNPA0	-1.51	0.00	192.08	210.14	211.62	183.91	109.35
HNRNPA1	-1.12	0.48	70.98	78.10	78.46	63.08	65.15
HNRNPA2B1	-1.23	0.15	300.56	283.98	277.80	301.91	200.77
HNRNPA3	-1.31	0.06	23.74	24.16	25.59	22.65	16.67
HNRNPAB	-1.33	0.05	84.17	102.39	86.55	87.54	69.95
HNRNPC	1.13	0.47	55.85	72.61	81.85	62.85	67.81
HNRNPD	-1.33	0.04	225.34	258.59	231.98	229.32	175.39
HNRNPDL	-1.29	0.08	217.19	183.65	188.25	203.38	141.42
HNRNPF	1.31	0.06	239.67	235.26	203.26	235.77	340.04
HNRNPH1	-1.12	0.53	551.93	434.28	534.98	499.18	380.45
HNRNPH2	1.05	0.79	44.38	47.22	51.96	45.07	47.86
HNRNPH3	-1.01	0.96	49.20	52.02	60.57	57.30	45.84
HNRNPK	-1.30	0.25	656.05	404.36	384.98	340.41	299.38
HNRNPL	-1.17	0.38	629.68	541.75	681.58	484.91	425.90
HNRNPLL	-1.46	0.00	41.17	44.06	49.22	43.83	30.18
HNRNPM	-1.14	0.46	285.43	309.65	246.21	245.74	229.56
HNRNPR	-1.20	0.32	234.74	362.22	328.71	298.62	269.20
HNRNPU	-1.14	0.40	331.75	352.34	320.75	307.57	281.07
HNRNPUL1	-1.09	0.60	261.80	275.34	258.61	241.89	235.24
HNRNPUL2	-1.57	0.00	490.00	512.38	443.20	360.45	232.84

HOGA1	-2.24	0.00	8.60	6.45	4.05	7.13	2.53
HOMER1	1.29	0.23	6.31	10.57	9.79	9.74	12.12
HOMER2	6.78	0.00	3.21	3.16	3.92	2.72	25.38
HOMER3	1.98	0.01	3.55	3.57	4.44	4.42	7.70
HOMEZ	-1.17	0.39	16.28	20.45	19.71	14.27	14.65
HOOK2	2.01	0.00	17.77	13.18	19.97	27.52	29.17
HOOK3	1.04	0.90	62.38	45.43	55.35	48.81	76.39
HOPX	1.18	0.60	7.80	7.69	1.83	23.33	0.63
HOXA1	-1.49	0.32	1.95	0.96	2.87	2.26	1.26
HOXA10	-3.12	0.00	82.11	94.57	88.64	66.59	21.47
HOXA11	-2.14	0.00	37.96	44.47	44.65	35.90	14.02
HOXA13	-1.14	0.53	13.19	13.45	11.75	17.10	10.10
HOXA2	-1.32	0.57	2.18	1.24	0.91	3.40	1.77
HOXA3	-1.36	0.15	11.01	9.20	11.88	14.95	6.06
HOXA5	-1.35	0.05	41.40	33.08	36.42	34.09	19.57
HOXA6	-1.39	0.03	76.60	61.63	57.83	50.85	36.11
HOXA7	1.13	0.54	10.09	11.94	8.88	12.00	10.99
HOXA9	-1.95	0.00	105.84	92.65	119.32	115.96	41.79
HOXC10	-1.04	0.96	0.92	3.43	1.44	2.15	1.89
HOXC4	-1.45	0.10	9.29	9.47	6.27	11.89	8.08
HOXC5	-2.27	0.09	1.38	1.10	0.52	1.02	0.13
HOXC6	1.07	0.84	5.50	5.76	3.26	7.59	7.32
HOXC8	-1.01	0.99	1.61	1.92	3.00	1.47	1.26
HOXC9	1.38	0.33	1.15	2.06	1.31	1.36	1.89
HOXD1	-1.15	0.86	0.80	1.10	0.78	2.72	0.76
HOXD10	1.66	0.19	1.15	2.75	2.22	1.81	2.53
HOXD11	1.12	0.67	0.57	0.41	2.61	0.91	0.88
HOXD3	-1.31	0.29	25.23	24.29	14.10	34.65	14.52
HOXD4	-1.21	0.44	25.92	23.20	22.19	43.26	19.45
HOXD8	1.05	0.78	64.68	65.88	53.65	68.97	59.09
HOXD9	1.49	0.02	31.54	42.82	30.29	53.00	64.27
HP	429.77	0.00	0.34	0.41	0.13	0.11	223.49
HP1BP3	-1.38	0.02	197.93	217.00	203.78	201.23	146.47
HPCAL1	1.83	0.02	2.41	4.39	2.87	5.55	6.57
HPCAL4	1.54	0.37	0.69	0.82	1.04	1.13	2.15
HPRT1	-1.20	0.35	53.90	87.30	61.36	66.59	39.77
HPS1	1.36	0.07	14.56	15.24	14.75	15.97	18.81
HPS3	1.12	0.66	18.46	23.20	21.67	17.78	20.83
HPS4	1.59	0.00	17.55	14.96	15.67	18.46	28.03
HPS5	1.35	0.04	22.59	14.96	17.62	16.53	26.52
HPS6	1.06	0.79	5.16	7.82	4.18	7.13	7.07
HR	1.75	0.01	7.34	5.08	4.83	9.29	10.86
HRAS	1.05	0.86	8.83	10.84	11.10	7.81	12.75
HRASLS	-2.57	0.00	7.22	6.45	9.14	8.49	2.02
HRCT1	-1.00	0.94	26.49	10.43	19.19	14.04	29.29
HRH2	20.71	0.00	0.00	0.00	0.26	0.23	2.15
HS1BP3	1.02	0.91	20.76	24.29	24.93	24.46	24.37

HS2ST1	-1.66	0.05	32.80	31.16	21.67	62.51	20.46
HS3ST1	1.30	0.21	33.83	27.31	19.32	37.26	28.92
HS3ST3A1	-2.72	0.00	11.24	7.41	11.75	5.32	2.78
HS3ST3B1	1.36	0.39	4.01	2.47	5.61	2.49	6.94
HS6ST1	1.91	0.00	3.67	3.84	4.44	4.42	6.82
HS6ST2	-1.20	0.47	16.40	13.86	23.11	10.87	13.01
HSBP1	-1.05	0.78	37.38	52.02	48.43	46.66	45.84
HSCB	1.16	0.58	3.90	6.04	4.31	2.72	5.05
HSD11B1	20.36	0.00	1.15	2.20	0.91	3.96	52.27
HSD11B1L	-1.33	0.23	9.40	7.69	6.01	10.87	7.45
HSD17B10	1.14	0.46	16.51	14.82	17.75	13.36	20.46
HSD17B12	-1.70	0.00	52.06	63.96	71.93	47.79	35.86
HSD17B4	-1.01	0.94	38.65	44.47	50.00	40.88	36.74
HSD17B7	1.81	0.00	7.22	9.33	9.40	10.31	14.27
HSD17B8	1.38	0.08	6.77	6.59	7.31	6.68	10.48
HSD3B7	1.41	0.09	6.31	8.24	6.27	7.81	8.84
HSDL1	-1.51	0.00	40.14	33.35	41.25	35.56	23.49
HSDL2	1.03	0.90	23.51	26.63	28.72	27.07	22.10
HSF1	1.43	0.01	23.28	27.59	27.02	24.01	40.41
HSF2	-1.34	0.04	26.49	26.35	32.51	28.54	19.07
HSF2BP	-1.20	0.38	10.89	8.51	8.35	10.19	7.07
HSF4	-1.17	0.61	9.86	9.47	8.22	18.46	8.84
HSP90AA1	-1.02	0.96	207.22	296.61	275.19	223.88	215.92
HSP90AB1	2.37	0.00	310.19	392.28	399.99	350.26	963.93
HSP90B1	1.02	0.94	630.48	723.75	633.93	575.16	691.57
HSPA12A	3.35	0.00	5.73	1.78	4.70	9.17	27.02
HSPA12B	-1.13	0.54	12.04	10.16	10.57	10.64	8.59
HSPA13	-1.08	0.64	61.01	58.47	56.66	69.53	55.43
HSPA14	1.27	0.07	23.28	23.33	24.15	25.59	29.55
HSPA1A	-1.01	0.99	83.48	119.82	124.67	96.26	86.37
HSPA1L	-1.02	0.98	2.52	2.88	3.26	1.81	2.90
HSPA2	-1.41	0.05	69.72	98.55	75.33	72.25	38.89
HSPA4	-1.03	0.77	168.46	171.85	203.52	157.07	136.87
HSPA4L	-1.26	0.54	4.47	4.53	2.22	2.83	1.52
HSPA5	-1.05	0.80	618.78	624.24	540.72	490.80	559.11
HSPA6	1.10	0.77	1.61	3.16	1.31	1.70	1.39
HSPA8	-1.21	0.25	314.21	419.32	382.11	335.88	242.69
HSPA9	1.42	0.01	76.83	80.02	87.20	81.76	131.19
HSPB1	2.01	0.00	48.62	62.18	51.30	46.32	105.05
HSPB11	-1.17	0.43	12.96	18.39	15.14	14.72	10.73
HSPB2	-1.33	0.57	0.57	1.65	1.44	1.02	0.51
HSPB6	-1.83	0.00	232.45	249.81	247.65	183.00	119.83
HSPB8	3.39	0.00	43.58	47.35	34.33	76.44	177.66
HSPBAP1	1.03	0.93	3.55	4.39	2.22	3.17	2.40
HSPBP1	1.19	0.45	5.85	7.96	6.01	6.57	9.22
HSPD1	-1.09	0.71	40.25	49.96	57.31	36.12	39.90
HSPE1	1.05	0.72	51.72	73.84	71.41	53.45	65.53

HSPG2	-1.58	0.00	2436.95	2271.05	2412.10	2476.29	1324.80
HSPH1	1.59	0.00	11.24	17.02	17.75	18.80	26.14
HTATIP2	1.44	0.06	8.94	7.69	6.01	5.10	11.11
HTATSF1	-1.07	0.69	64.91	63.69	67.23	71.23	59.72
HTR6	1.29	0.60	0.69	0.69	1.57	0.23	1.14
HTRA1	-1.33	0.17	608.00	736.93	941.76	499.85	436.38
HTRA2	1.33	0.04	25.46	27.45	22.19	25.37	32.32
HTRA3	-5.97	0.00	14.10	17.57	7.70	24.57	1.39
HTT	-1.24	0.16	81.65	73.16	78.85	89.12	57.83
HUNK	-5.67	0.00	5.85	6.45	3.39	6.23	0.63
HUS1	-1.20	0.44	10.78	9.06	7.31	7.02	6.19
HUWE1	-1.06	0.78	391.16	288.24	341.38	388.54	324.26
HVCN1	-2.52	0.01	4.24	1.65	2.09	4.19	0.88
HYAL1	1.55	0.01	8.14	13.73	9.79	8.95	16.29
HYAL2	1.19	0.35	9.52	11.53	12.66	12.57	11.36
HYAL3	1.69	0.04	2.29	2.33	1.96	2.15	3.54
HYI	-1.10	0.79	4.82	4.39	5.87	3.28	3.41
HYKK	-1.94	0.01	8.37	4.25	8.75	5.21	2.90
HYLS1	-2.35	0.00	11.58	15.78	10.84	9.74	4.67
HYOU1	1.17	0.33	56.99	61.08	59.66	69.19	82.96
HYPK	-1.09	0.62	24.88	31.16	29.63	24.35	26.26
IAH1	-1.04	0.85	14.56	15.37	14.36	11.55	13.64
IARS	1.10	0.58	69.26	53.67	68.01	66.36	70.84
IARS2	-1.09	0.63	99.31	93.06	90.99	110.07	84.35
IBA57	-1.18	0.54	4.82	4.80	4.44	3.74	3.54
IBTK	-1.18	0.32	82.80	76.86	98.82	102.71	80.31
ICA1	1.65	0.00	13.30	12.35	15.93	12.80	26.14
ICA1L	1.44	0.39	9.52	9.33	12.66	9.85	17.68
ICAM1	11.18	0.00	6.19	6.59	4.18	4.19	78.66
ICE1	-1.15	0.36	33.37	29.10	34.20	34.54	27.53
ICE2	1.06	0.70	36.35	20.73	24.15	36.46	34.60
ICK	-1.02	0.97	55.27	43.65	42.56	74.40	70.84
ICMT	-1.12	0.61	8.37	11.67	8.62	8.49	8.97
ICOSLG	3.84	0.00	27.75	15.78	16.32	15.06	115.41
ICT1	-1.09	0.94	1.95	5.08	3.13	1.70	3.28
ID1	1.36	0.42	198.50	293.87	206.26	233.85	149.37
ID2	1.56	0.08	19.72	29.65	18.67	33.75	25.25
ID3	-1.30	0.38	4.93	9.06	4.18	6.79	2.78
IDE	1.57	0.01	21.79	17.16	18.41	22.65	43.06
IDH1	-1.31	0.05	44.38	55.86	56.40	44.16	34.72
IDH2	-1.64	0.00	59.75	57.92	58.48	48.24	38.39
IDH3A	1.11	0.55	32.68	27.04	28.33	29.90	37.12
IDH3B	1.09	0.60	25.11	24.71	20.76	26.39	22.98
IDH3G	-1.01	0.97	23.62	26.35	26.63	20.50	26.14
IDI1	-1.07	0.75	45.30	67.26	60.83	42.69	45.71
IDNK	-1.27	0.44	4.13	4.53	8.22	6.12	5.05
IDS	1.15	0.43	28.21	32.39	22.58	31.48	35.61

IDUA	-1.21	0.28	109.63	169.65	132.24	152.76	108.09
IER2	2.46	0.00	7.68	6.04	6.40	10.98	24.37
IER3	14.11	0.00	6.42	21.55	10.18	16.08	251.53
IER3IP1	-1.27	0.13	27.52	28.41	30.29	22.08	17.68
IER5	2.31	0.00	19.04	22.51	20.10	22.31	66.04
IER5L	3.44	0.00	5.50	5.76	3.79	6.12	17.55
IFFO1	1.08	0.76	7.91	6.73	4.83	6.91	7.95
IFFO2	-1.40	0.02	20.64	16.75	20.76	20.95	14.39
IFI27L2	1.10	0.72	3.10	4.94	5.09	2.15	5.43
IFI30	2.91	0.00	3.78	6.59	5.61	5.89	20.96
IFI35	3.63	0.00	2.29	1.24	1.17	1.36	4.42
IFI6	1.03	0.89	4.01	2.88	4.05	2.15	3.54
IFIT3	-2.27	0.00	6.88	6.04	5.87	4.30	2.78
IFIT5	1.32	0.05	32.34	32.67	38.25	41.33	50.00
IFITM3_1	2.70	0.00	6.31	4.39	4.05	5.10	16.67
IFITM5	1.11	0.82	2.98	2.47	1.96	2.60	3.16
IFNAR1	1.56	0.00	43.12	55.45	44.39	42.81	84.47
IFNAR2	4.59	0.00	5.62	7.55	4.31	7.81	38.51
IFNGR1	1.89	0.00	26.60	24.84	20.63	22.76	52.02
IFNGR2	3.09	0.00	45.64	67.39	45.95	49.71	189.02
IFRD1	-1.25	0.28	11.70	9.88	13.71	9.29	11.49
IFRD2	1.22	0.35	77.86	113.79	65.01	66.81	128.54
IFT122	-1.19	0.22	48.51	43.10	44.78	49.71	34.34
IFT140	1.19	0.28	29.70	26.77	28.33	29.90	27.78
IFT172	-1.48	0.01	33.37	24.29	25.72	26.27	13.38
IFT20	-1.65	0.00	36.01	29.65	29.24	30.35	18.81
IFT22	-1.17	0.47	9.29	10.84	7.57	9.63	8.33
IFT27	1.07	0.75	10.78	9.88	5.87	7.70	10.86
IFT43	1.26	0.30	7.00	7.00	6.27	4.98	9.85
IFT46	1.25	0.19	18.12	16.20	18.15	19.59	18.18
IFT52	-1.36	0.07	14.22	17.29	17.10	13.93	10.73
IFT57	1.29	0.12	18.23	15.24	13.84	14.16	23.23
IFT74	-1.16	0.35	23.51	22.65	26.11	25.25	18.06
IFT80	-1.01	0.95	31.54	31.71	27.15	32.05	34.98
IFT81	1.38	0.02	21.44	24.02	21.15	26.73	32.32
IFT88	-1.51	0.01	41.74	46.26	32.51	42.47	22.73
IGBP1	1.48	0.01	15.60	14.69	15.53	15.40	21.09
IGDCC4	-1.20	0.36	38.53	29.51	51.70	40.09	28.92
IGF1R	1.35	0.04	118.34	137.26	85.64	110.98	159.98
IGF2	-3.36	0.00	2594.63	4541.41	2083.25	2957.12	883.37
IGF2BP2	1.37	0.06	9.75	12.49	12.92	8.72	15.28
IGF2BP3	1.03	0.84	11.47	11.80	13.05	13.36	7.95
IGF2R	-1.48	0.00	339.78	330.38	302.74	360.00	200.77
IGFBP2	-5.41	0.00	5.85	29.10	9.01	22.31	1.89
IGFBP3	18.63	0.00	3.33	0.82	1.96	0.79	46.72
IGFBP4	1.27	0.60	12.73	8.51	10.44	17.44	7.70
IGFBP5	40.28	0.00	10.66	13.73	8.75	15.85	497.75

IGFBP6	8.33	0.00	5.39	5.76	7.05	7.36	156.82
IGFBP7	2.03	0.00	74.88	71.24	94.25	69.19	160.87
IGFLR1	1.08	0.92	3.44	2.88	3.00	3.28	4.67
IGHMBP2	1.10	0.69	16.28	14.82	19.06	17.89	20.71
IGIP	-1.14	0.68	4.13	2.88	4.18	2.94	2.78
IGSF10	2.02	0.02	3.33	1.78	2.22	4.53	8.97
IGSF11	-4.42	0.00	97.82	79.75	98.56	43.60	16.16
IGSF3	-1.03	0.89	91.40	87.16	75.98	113.70	90.03
IGSF8	1.52	0.01	14.56	16.61	13.32	24.23	20.33
IGSF9B	2.29	0.04	7.91	0.82	0.00	8.95	7.58
IK	1.05	0.80	65.36	71.92	60.96	59.11	67.55
IKBIP	-1.34	0.05	50.80	59.43	49.09	44.73	33.33
IKBKAP	1.10	0.58	17.89	15.10	17.23	17.67	19.82
IKBKB	2.63	0.00	15.25	12.49	13.19	13.70	44.83
IKBKE	1.87	0.01	34.29	10.16	23.50	12.00	55.56
IKBKG	-1.10	0.62	13.99	15.65	13.45	12.80	10.99
IKZF2	-1.43	0.35	4.01	3.02	7.44	3.06	3.66
IKZF4	1.12	0.70	3.44	2.88	1.96	2.72	3.54
IKZF5	-1.04	0.83	22.82	22.37	21.15	26.05	22.48
IL10RB	1.57	0.00	11.81	17.71	15.14	12.46	23.36
IL11RA	-1.15	0.41	19.49	25.67	23.89	22.65	18.69
IL13RA1_2	2.10	0.00	18.69	30.75	24.80	24.69	45.46
IL16	2.33	0.00	30.62	31.16	14.88	44.16	67.30
IL17B	-5.81	0.00	30.73	18.26	48.56	7.93	4.04
IL17D	-1.87	0.00	59.17	62.86	45.82	64.66	26.01
IL17RA	3.34	0.00	27.29	26.90	24.15	32.16	103.16
IL17RC	1.58	0.01	6.88	7.00	8.62	5.89	12.63
IL17RD	-1.12	0.88	0.92	0.55	2.22	1.36	0.76
IL17REL	382.26	0.00	0.00	0.00	0.00	0.00	7.95
IL18BP	-1.44	0.07	11.93	7.55	10.18	10.31	8.21
IL1B	53.36	0.00	0.00	0.00	0.13	0.00	2.65
IL1R1	2.53	0.00	89.22	104.59	86.55	120.94	261.63
IL1R2	48.58	0.00	0.11	0.14	0.00	0.00	3.16
IL1RAP	3.19	0.00	13.42	12.08	12.79	17.21	44.07
IL1RAPL1	-1.72	0.04	3.44	3.43	4.44	2.72	1.89
IL20RB	2.51	0.00	1.61	1.37	1.17	2.72	3.28
IL23A	-1.17	0.73	1.26	1.24	1.57	0.79	1.01
IL25	-3.11	0.00	5.62	3.98	3.66	3.17	1.01
IL27RA	2.96	0.00	3.55	2.33	1.57	6.34	14.27
IL2RA	34.29	0.00	0.11	0.69	0.13	0.11	2.27
IL2RG	1.12	0.91	1.49	1.10	0.65	0.45	1.26
IL34	20.05	0.00	3.33	3.84	3.26	3.28	111.24
IL4I1	-1.20	0.50	4.01	5.08	6.66	5.21	5.81
IL4R	8.69	0.00	7.80	7.96	3.79	8.04	71.97
IL6_1	201.09	0.00	0.46	0.96	0.39	0.57	165.03
IL6R	8.80	0.00	0.92	0.41	0.91	1.47	10.48
IL6ST	-1.36	0.05	457.67	353.98	383.41	306.21	263.02

IL9R	-1.12	0.72	1.72	1.37	1.83	1.25	1.89
ILDR2	-1.21	0.62	3.78	2.06	4.83	2.94	2.40
ILF2	-1.45	0.01	82.68	81.80	88.38	67.15	53.54
ILF3	-1.84	0.00	174.76	253.51	154.70	139.74	84.09
ILK	1.05	0.77	33.37	37.61	37.47	32.73	40.03
ILKAP	1.17	0.32	26.15	24.43	21.28	30.12	27.91
ILVBL	1.30	0.20	8.03	10.98	13.84	12.68	12.00
IMMP1L	-1.23	0.53	8.14	4.80	4.05	7.70	4.55
IMMP2L_1	2.37	0.04	0.57	0.27	0.91	0.23	1.14
IMMP2L_2	1.13	0.69	2.06	2.33	3.00	1.25	2.02
IMMT	-1.56	0.00	47.48	45.98	47.00	41.67	31.06
IMP3	1.51	0.04	8.14	7.96	7.96	6.45	13.38
IMP4	1.56	0.00	9.29	11.12	10.44	9.17	18.31
IMPA1	1.05	0.82	31.19	32.94	40.86	39.18	31.57
IMPA2	4.38	0.00	2.41	5.22	3.39	3.28	15.53
IMPACT	-1.32	0.05	60.89	50.10	55.35	65.79	39.02
IMPAD1	-1.78	0.00	183.71	210.41	200.52	157.41	101.52
IMPDH1	-1.93	0.00	44.26	52.98	57.44	40.20	22.35
IMPDH2	1.10	0.56	42.89	37.75	43.86	36.69	40.28
IMPG2	1.12	0.68	8.37	5.22	7.57	9.29	11.24
INADL	-1.08	0.64	60.20	54.22	63.45	66.81	55.05
INAFM2	-1.12	0.70	4.82	9.33	8.88	8.38	6.69
INCENP	-2.18	0.00	46.44	47.08	35.90	31.26	14.52
ING1	-1.50	0.01	20.87	29.65	24.67	19.14	16.41
ING2	-1.02	0.95	8.37	11.53	11.36	13.14	11.24
ING3	1.01	0.96	10.66	9.06	7.57	8.49	8.08
ING4	1.15	0.37	30.50	33.08	29.24	30.12	31.82
ING5	1.15	0.53	8.60	6.86	6.27	5.66	6.69
INHA	-2.06	0.02	3.10	2.47	4.31	2.26	1.14
INHBA	4.42	0.00	0.57	0.96	0.39	0.34	1.01
INIP	1.63	0.03	2.98	3.84	2.87	4.42	5.68
INO80	-1.02	0.92	62.84	54.49	45.56	62.17	56.44
INO80B	1.58	0.01	11.12	10.84	9.40	12.46	20.83
INO80C	1.22	0.51	10.44	7.96	8.88	7.93	16.29
INO80D	1.04	0.90	8.03	4.53	5.74	7.59	9.22
INO80E	-1.16	0.44	11.24	11.26	12.01	9.74	9.98
INPP1	1.72	0.00	7.22	9.20	6.53	8.95	14.39
INPP4A	1.29	0.07	45.53	41.18	49.22	55.38	65.41
INPP4B	-1.03	0.95	23.28	15.24	16.84	32.16	15.15
INPP5A	1.14	0.45	36.35	41.59	45.17	42.35	45.58
INPP5B	1.14	0.48	18.00	14.96	16.32	18.46	19.19
INPP5D	4.20	0.00	1.38	1.10	1.70	1.81	5.30
INPP5E	-1.50	0.05	5.73	8.37	6.14	7.59	4.92
INPP5F	1.01	0.92	24.43	21.14	27.94	35.78	17.68
INPP5K	1.46	0.01	14.33	15.65	15.27	14.72	23.86
INPPL1	1.00	1.00	168.92	168.69	168.53	181.98	162.38
INSIG1	-1.26	0.21	152.17	158.39	157.57	96.60	116.92

INSIG2	-1.09	0.74	127.86	234.85	171.67	156.62	168.95
INSR	-1.01	0.97	123.16	105.55	109.14	117.66	116.29
INSRR	56.64	0.00	0.34	0.27	0.13	0.11	16.16
INTS1	-1.44	0.01	86.24	79.75	80.42	81.65	45.96
INTS10	1.09	0.62	41.17	38.57	45.95	46.09	41.29
INTS12	-1.56	0.02	10.21	10.02	9.01	8.04	4.80
INTS2	-1.28	0.07	37.96	33.08	39.03	40.20	29.04
INTS3	1.01	0.96	61.12	73.98	66.45	68.85	66.54
INTS4	1.09	0.61	22.48	21.27	21.41	25.93	26.01
INTS5	1.19	0.30	11.70	15.78	10.57	11.32	14.14
INTS6	1.33	0.04	29.70	35.69	30.81	41.33	44.57
INTS7	-1.22	0.15	28.67	26.35	27.81	28.42	21.09
INTS8	-1.01	0.96	44.04	37.88	48.69	53.45	47.10
INTS9	-1.05	0.85	9.75	11.80	12.53	14.38	11.62
INTU	1.30	0.33	3.33	2.20	3.26	5.10	4.67
INVS	-1.51	0.01	49.88	49.14	41.91	69.42	32.07
IP6K1	1.49	0.01	19.84	15.65	17.49	19.70	26.90
IP6K2	-1.13	0.54	32.68	31.71	22.98	22.76	22.98
IPCEF1	3.73	0.01	1.49	2.06	0.78	1.70	3.41
IPMK	2.25	0.00	5.39	7.55	5.48	6.34	14.90
IPO11	-1.10	0.58	18.35	17.02	17.62	15.97	14.77
IPO13	-1.46	0.01	19.15	17.98	16.45	15.06	11.24
IPO4	1.49	0.01	21.79	23.61	29.50	21.29	39.52
IPO5	1.34	0.03	48.97	54.90	57.18	50.17	72.35
IPO7	1.12	0.51	109.86	111.59	111.88	93.09	104.30
IPO8	-1.23	0.17	29.47	31.02	27.55	34.77	25.38
IPO9	-1.06	0.71	75.00	80.16	73.24	78.70	66.16
IPP	-1.21	0.26	17.09	15.92	18.15	16.42	17.05
IPPK	-1.27	0.26	12.27	8.37	9.01	8.49	8.97
IQCB1	-1.07	0.73	11.47	13.45	12.01	15.97	10.35
IQCC	-1.54	0.06	9.63	5.90	6.01	7.59	4.17
IQCD	1.91	0.17	0.92	0.69	0.65	1.13	1.39
IQCE	1.26	0.11	37.61	26.22	24.41	36.24	39.14
IQCG	2.27	0.01	2.29	1.24	0.65	1.70	3.41
IQCK	-1.14	0.70	5.62	4.39	3.52	8.95	4.04
IQGAP1	-1.07	0.70	506.06	502.50	508.87	506.54	419.46
IQGAP2	1.20	0.72	0.57	0.96	0.91	1.36	0.63
IQGAP3	-2.96	0.00	128.32	111.73	96.60	113.81	23.23
IQSEC1_1	-1.38	0.05	222.93	160.59	167.23	219.80	115.16
IQSEC1_2	-1.34	0.07	49.77	35.14	35.51	48.81	26.90
IQSEC2	1.03	0.90	18.58	15.65	18.02	20.84	15.28
IRAK1	1.59	0.00	15.25	16.20	15.53	11.78	23.74
IRAK1BP1	-1.26	0.57	1.15	1.24	1.70	1.70	1.01
IRAK2	2.14	0.00	12.84	10.71	11.88	17.10	30.30
IRAK3	1.97	0.00	19.38	24.98	20.10	27.86	56.32
IRAK4	1.50	0.00	48.85	40.35	51.83	51.19	75.13
IREB2	-1.29	0.09	91.17	111.45	95.17	86.29	80.56

IRF1	15.03	0.00	0.11	0.27	0.13	0.11	3.03
IRF2	2.14	0.00	7.11	7.55	7.31	7.59	19.82
IRF2BP1	1.03	0.82	30.04	36.51	22.72	28.42	33.59
IRF2BP2	1.40	0.04	142.08	127.92	154.17	137.02	223.24
IRF2BPL	2.69	0.00	20.18	20.04	18.54	28.20	70.46
IRF3	-1.07	0.67	57.34	63.69	60.31	54.58	51.39
IRF5	5.26	0.00	0.80	0.27	0.26	0.11	3.41
IRF6	1.01	0.90	1.38	1.51	1.17	3.62	1.89
IRF7	2.04	0.00	5.05	4.39	6.01	4.98	11.11
IRF9	1.43	0.14	7.45	2.61	3.79	7.36	6.82
IRGQ	-1.18	0.28	37.15	42.69	34.99	34.65	28.92
IRS1	-1.30	0.21	286.69	264.77	165.14	227.17	139.78
IRS2	1.71	0.00	15.71	14.55	11.10	13.48	27.02
ISCA1	1.36	0.04	60.32	66.16	54.18	65.11	76.01
ISCA2	1.03	0.90	4.01	5.35	5.87	3.17	5.18
ISCU	1.41	0.01	32.45	35.55	29.76	37.14	44.57
ISG20L2	1.08	0.69	17.66	20.31	20.23	17.33	23.11
ISLR	-1.71	0.00	217.42	255.71	177.41	316.51	124.50
ISLR2	-1.68	0.46	4.59	3.02	2.74	16.99	2.15
ISM1	-1.33	0.08	475.44	465.57	613.57	418.77	399.89
ISM2	-1.56	0.54	2.06	0.27	0.65	1.93	1.39
ISOC1	1.50	0.12	5.85	4.25	6.14	5.10	10.48
ISOC2	-1.12	0.59	7.57	8.65	7.83	9.06	10.48
ISPD_2	1.85	0.01	2.41	2.20	3.92	3.40	6.31
IST1	1.31	0.05	89.79	82.35	91.77	98.52	121.97
ISY1	1.05	0.75	24.43	27.31	26.89	27.74	27.53
ISYNA1	-1.00	0.97	3.78	2.33	1.70	4.42	2.65
ITCH	-1.23	0.16	100.57	96.90	119.32	101.24	80.69
ITFG1	-1.36	0.06	101.03	125.18	110.31	143.14	71.22
ITFG2	-1.06	0.78	10.66	11.12	11.62	10.87	8.46
ITGA1	1.32	0.19	40.94	39.12	65.40	54.92	59.98
ITGA10	2.22	0.00	217.08	226.75	176.50	390.92	544.09
ITGA11	-2.27	0.00	90.02	84.41	42.95	69.98	45.08
ITGA2	-1.27	0.62	30.50	25.53	7.83	61.49	10.48
ITGA2B	1.01	0.97	3.10	2.33	4.57	3.40	3.28
ITGA3	11.37	0.00	0.80	0.27	0.39	0.34	7.70
ITGA5	2.48	0.00	33.37	50.37	45.56	49.83	114.40
ITGA6	1.19	0.32	362.83	285.08	272.58	308.93	375.52
ITGA9	1.41	0.07	18.00	20.59	12.40	29.90	33.21
ITGAE	-1.32	0.11	47.93	44.06	55.09	38.28	48.87
ITGAV	5.07	0.00	107.56	112.14	94.12	151.07	827.81
ITGB1	-1.16	0.35	477.85	456.79	499.08	503.03	377.92
ITGB1BP1	1.16	0.40	15.14	18.94	17.88	17.21	16.92
ITGB1BP2	-1.16	0.73	1.26	1.24	1.17	1.93	1.52
ITGB3	1.38	0.55	1.72	1.24	2.48	1.13	2.40
ITGB3BP	-1.38	0.15	5.50	5.90	4.44	5.78	4.04
ITGB4	-5.38	0.00	9.52	14.14	7.70	8.61	2.53

ITGB5	-1.27	0.12	89.68	79.75	87.60	73.61	63.01
ITGB7	-3.65	0.00	58.37	29.92	23.76	44.84	11.36
ITGB8	4.66	0.00	6.19	4.67	7.05	5.89	34.34
ITGBL1	-1.14	0.58	56.08	52.43	82.37	42.13	47.10
ITIH4	3.46	0.00	0.69	0.96	1.04	0.79	2.15
ITM2B	1.69	0.00	400.33	550.81	402.08	483.32	809.63
ITM2C	1.19	0.34	395.05	517.73	347.12	396.69	403.05
ITPA	1.34	0.09	8.72	8.51	7.05	8.95	12.37
ITPK1	1.92	0.00	6.19	5.49	5.35	6.23	10.73
ITPKB	3.99	0.00	11.70	15.24	16.32	20.16	58.71
ITPKC	1.45	0.01	9.63	10.02	9.79	11.44	15.28
ITPR1	1.42	0.35	42.09	30.33	44.65	30.24	79.80
ITPR2_1	-1.16	0.53	69.15	43.10	53.78	82.33	46.85
ITPR2_2	-1.21	0.70	3.44	2.06	4.05	6.45	3.54
ITPR3	6.35	0.00	0.46	0.41	0.91	1.36	6.82
ITPRIP	3.37	0.00	7.68	8.10	6.66	10.31	28.54
ITPRIPL1	-1.00	0.97	7.34	7.00	4.83	8.95	5.93
ITPRIPL2	1.03	0.95	530.26	871.85	656.52	706.64	727.05
ITSN1	1.00	1.00	36.35	27.31	41.91	29.78	37.63
ITSN2	1.22	0.17	27.18	21.27	25.72	26.61	30.81
IVD	1.46	0.01	54.24	32.53	42.04	57.98	68.56
IVNS1ABP	1.67	0.00	284.97	299.91	314.88	341.43	514.42
IWS1	-1.19	0.21	39.79	38.29	35.51	39.64	31.82
IZUMO1R	9.38	0.00	0.00	0.41	0.00	0.00	1.26
JADE1	-1.82	0.00	38.19	27.04	29.11	21.29	17.42
JADE2	1.21	0.22	81.65	77.69	63.05	83.91	78.79
JADE3	1.24	0.45	4.93	5.35	4.57	5.78	5.43
JAG1	1.05	0.99	26.03	30.20	39.42	27.07	24.87
JAGN1	-1.09	0.68	14.10	15.92	13.05	10.53	12.75
JAK1	-1.02	0.95	173.85	182.28	227.93	178.92	166.29
JAK2	2.17	0.00	78.21	77.82	75.85	102.26	173.74
JAKMIP2	-4.07	0.00	19.84	13.31	17.10	9.51	1.64
JAKMIP3	-3.30	0.08	6.65	0.41	2.22	1.93	0.51
JAM2	-1.30	0.07	37.50	35.41	31.72	42.24	30.81
JAM3	-1.32	0.04	66.97	57.10	54.44	65.45	44.70
JARID2	-1.24	0.22	34.06	24.16	26.24	23.89	21.84
JAZF1	-2.39	0.00	40.94	50.78	47.26	41.11	13.76
JCHAIN	-1.27	0.45	2.98	2.20	2.61	2.72	2.15
JDP2	3.24	0.00	8.03	6.45	8.22	13.25	41.04
JKAMP	-1.15	0.40	36.12	36.24	34.07	42.92	23.49
JMJD1C	1.03	0.83	156.99	108.43	129.50	173.15	152.91
JMJD4	1.49	0.02	11.58	9.75	12.14	13.59	13.76
JMJD6	1.05	0.82	5.96	5.90	8.62	5.21	6.94
JMJD7	1.27	0.37	4.82	2.88	3.26	4.08	3.66
JMY	2.20	0.00	53.55	89.77	43.34	59.68	173.62
JOSD1	1.08	0.70	31.42	30.75	35.77	26.50	38.64
JPH1	-2.28	0.00	41.86	56.82	45.43	41.79	14.27

JPH2	81.08	0.00	0.23	0.14	0.13	0.11	14.39
JRK	1.06	0.75	26.03	26.49	26.11	26.50	29.42
JRKL	1.06	0.72	27.52	27.45	29.50	25.14	29.04
JSP.1	2.05	0.01	5.73	6.86	19.32	10.53	25.88
JTB	1.38	0.04	18.92	17.02	16.19	20.04	27.02
JUN	1.10	0.81	103.21	122.43	116.84	82.44	131.44
JUNB	13.30	0.00	12.84	19.22	9.79	26.95	277.16
JUND	1.21	0.25	92.89	144.39	100.26	101.47	141.55
JUP	3.45	0.00	3.10	2.33	5.48	2.94	17.17
KALRN	1.17	0.40	14.33	18.94	10.57	18.69	17.55
KANK1	-2.53	0.00	447.92	507.03	502.99	411.19	163.39
KANK2	1.60	0.00	43.81	45.43	54.57	56.96	66.80
KANK4	-4.40	0.00	1.95	1.37	1.17	1.02	0.38
KANSL1	1.10	0.54	52.29	51.33	46.87	57.19	60.48
KANSL1L	1.46	0.01	27.41	18.12	28.46	31.37	40.91
KANSL2	1.10	0.56	30.04	30.33	28.33	34.31	34.34
KANSL3	1.09	0.64	17.77	17.57	17.10	19.14	21.84
KARS	1.52	0.00	106.42	149.20	139.95	120.04	196.47
KAT2A	1.44	0.05	9.40	8.51	5.87	9.40	10.99
KAT2B	1.61	0.00	95.18	86.20	99.21	93.77	115.79
KAT5	1.16	0.37	16.17	18.67	15.27	15.63	19.45
KAT6A	-1.06	0.72	104.81	105.69	94.65	107.69	100.13
KAT6B	-1.40	0.01	65.82	65.47	64.36	71.91	44.19
KAT7	-1.23	0.12	54.01	50.92	57.31	56.40	41.04
KAT8	1.45	0.00	17.66	22.37	20.37	21.86	29.55
KATNA1	1.15	0.40	34.86	33.35	32.64	31.03	42.55
KATNAL1	1.04	0.89	8.60	7.96	8.49	10.64	8.33
KATNAL2	-1.86	0.06	4.36	3.43	2.61	2.26	1.14
KATNB1	-1.60	0.00	17.89	18.67	18.80	16.19	9.72
KATNBL1	-1.69	0.07	3.33	2.61	3.66	2.72	2.90
KAZALD1	-4.50	0.00	4.82	2.88	5.48	6.45	0.76
KAZN	1.70	0.20	1.38	0.96	3.13	0.68	3.41
KBTBD11	-1.26	0.30	143.69	128.88	118.41	77.01	52.91
KBTBD2	-1.57	0.00	46.10	53.53	55.61	48.58	31.06
KBTBD3	-1.03	0.91	14.45	9.33	12.01	13.93	11.24
KBTBD4	-1.40	0.03	34.17	36.92	39.42	34.88	26.01
KBTBD6	6.71	0.00	2.87	3.16	2.48	2.38	26.26
KCMF1	1.24	0.10	32.91	33.35	29.90	29.90	40.28
KCNA1	1.44	0.15	4.13	6.04	3.26	4.76	7.07
KCNA2	-2.99	0.13	2.87	0.41	5.87	1.36	0.00
KCNA3	-5.59	0.00	2.87	0.82	6.01	1.70	0.13
KCNA6	-1.70	0.00	338.63	349.59	296.73	214.14	123.11
KCNAB2	1.03	0.95	4.24	4.80	5.61	3.28	4.17
KCNAB3	1.02	0.95	1.61	0.69	1.04	1.47	1.39
KCNB1	48.36	0.00	0.34	0.55	0.00	0.11	22.22
KCNC4	9.61	0.00	3.33	1.24	2.35	3.74	47.22
KCND1	1.23	0.47	3.67	1.78	4.31	4.30	4.55

KCND3	-3.84	0.00	4.93	2.20	2.87	3.06	0.38
KCNE4	-1.10	0.71	15.48	10.71	9.40	13.93	11.24
KCNG1	1.06	0.77	10.21	10.16	5.48	6.57	8.21
KCNG2	1.04	0.89	3.44	3.98	3.39	4.64	4.17
KCNH1	-1.64	0.02	7.91	7.69	5.74	6.91	4.42
KCNH2	-2.22	0.00	19.61	16.20	12.14	18.46	8.97
KCNH3	1.37	0.45	0.69	1.78	0.65	0.57	0.76
KCNH6	-1.83	0.16	1.03	1.24	0.78	1.25	0.13
KCNIP2	-1.05	0.86	1.38	1.24	1.17	1.59	1.39
KCNJ15	68.85	0.00	0.00	0.00	0.13	0.11	2.15
KCNJ2	1.96	0.02	2.06	2.61	2.22	3.06	3.41
KCNJ3	-4.00	0.00	27.52	30.47	22.32	26.95	6.69
KCNJ8	-2.44	0.01	1.49	2.47	2.48	3.28	0.51
KCNK1	-1.77	0.00	23.97	28.27	24.93	19.82	13.89
KCNK17	6.23	0.00	1.15	1.65	3.13	1.13	13.26
KCNK5	3.65	0.00	6.65	12.76	9.53	4.08	51.14
KCNK6	-1.85	0.00	20.64	18.94	17.62	15.51	7.45
KCNMA1	1.32	0.09	79.13	80.84	77.94	90.03	106.44
KCNMB1	6.63	0.01	0.23	0.55	0.00	0.23	1.26
KCNMB3	-1.53	0.35	1.49	1.10	0.65	1.59	0.13
KCNMB4	-7.88	0.00	13.99	15.24	10.57	21.06	1.52
KCNN3	2.55	0.00	1.95	2.75	3.39	5.10	7.32
KCNN4	15.89	0.00	0.11	0.27	0.00	0.34	2.15
KCNQ1	1.45	0.24	0.80	1.92	2.09	1.81	2.40
KCNQ3	2.53	0.00	1.38	0.82	2.09	1.25	2.27
KCNQ5	1.12	0.57	31.54	24.43	36.81	30.46	41.79
KCNS1	1.45	0.52	2.18	3.29	7.57	2.60	3.66
KCNT1	-2.11	0.23	1.72	0.82	1.57	0.11	1.14
KCTD1	1.05	0.93	0.80	0.82	1.57	1.02	1.26
KCTD10	-1.10	0.61	63.07	57.10	68.28	48.13	48.87
KCTD11	-1.05	0.91	15.48	15.37	20.50	9.74	14.65
KCTD12	3.39	0.00	34.40	21.55	24.41	51.07	108.34
KCTD13	1.01	0.97	3.33	2.33	2.87	4.08	4.42
KCTD15	-1.09	0.65	44.84	67.67	63.97	60.13	46.21
KCTD17	1.03	0.95	7.11	8.78	4.96	7.13	7.58
KCTD18	-1.42	0.02	34.17	30.61	34.99	29.22	23.11
KCTD2	1.14	0.65	3.10	3.84	2.87	1.70	3.79
KCTD20	-1.15	0.34	50.57	43.37	52.61	43.37	42.80
KCTD21	-1.08	0.83	0.92	1.51	1.70	0.68	1.52
KCTD3	1.19	0.25	101.72	85.24	82.11	92.29	109.47
KCTD5	-1.52	0.00	20.64	24.43	23.50	19.48	13.76
KCTD6	1.07	0.75	8.83	6.18	5.87	8.27	7.70
KCTD7	-1.17	0.38	17.55	16.88	21.02	15.51	19.82
KCTD9	-1.28	0.09	74.19	80.71	79.50	85.84	57.96
KDEL1C	-1.10	0.58	56.19	69.45	75.72	57.98	59.98
KDEL2C	-1.48	0.01	73.51	86.06	80.94	99.20	47.73
KDEL1R	-1.21	0.27	74.19	105.55	78.20	73.72	64.27

KDELR2	-1.70	0.00	336.23	416.16	391.51	301.45	175.64
KDELR3	-1.87	0.00	185.66	207.94	238.90	147.90	88.89
KDM1A	1.05	0.79	54.01	50.65	46.34	50.62	58.97
KDM1B	1.35	0.13	11.12	7.14	9.27	7.70	14.39
KDM2A	1.06	0.75	170.29	160.86	171.93	180.28	172.86
KDM2B	-1.09	0.64	22.82	23.61	22.72	30.35	23.23
KDM3A	1.92	0.00	29.01	44.20	46.34	54.13	74.12
KDM3B	-1.10	0.59	100.00	119.55	98.17	122.53	98.74
KDM4A	-1.19	0.24	99.54	87.57	89.29	101.01	79.80
KDM4B	1.18	0.23	40.02	45.29	50.91	46.32	52.65
KDM4C	1.14	0.43	13.53	14.41	14.75	14.61	17.42
KDM5A	1.09	0.60	41.05	45.57	40.47	46.09	53.03
KDM5B	-1.07	0.69	112.61	113.79	134.20	116.53	105.94
KDM5C	1.14	0.43	111.01	114.61	111.75	137.59	125.26
KDM6A	1.27	0.24	31.31	45.57	31.59	34.65	37.00
KDM6B	2.12	0.00	20.30	19.76	19.58	31.03	47.86
KDM7A	4.35	0.00	11.01	16.20	16.45	24.12	68.69
KDM8	-1.11	0.85	5.16	3.02	1.44	3.40	3.66
KDR	-1.16	0.61	2.29	1.51	4.83	2.94	1.26
KDSR	1.34	0.04	16.28	14.82	13.19	16.65	20.58
KEAP1	1.10	0.55	31.54	35.27	29.63	32.84	36.87
KHDRBS1	-1.24	0.13	107.68	116.53	113.58	103.62	87.25
KHDRBS3	4.73	0.04	0.57	0.55	0.00	0.34	1.64
KHK	-1.36	0.13	6.31	6.73	6.79	6.79	4.67
KHNYN	1.59	0.00	27.64	29.10	29.11	29.10	52.78
KHSRP	-1.27	0.08	78.90	85.24	85.64	88.22	68.56
KIAA0040	2.49	0.00	41.51	50.51	47.26	58.77	108.09
KIAA0100	-1.08	0.76	64.56	60.39	40.08	48.47	52.27
KIAA0101	-3.43	0.00	55.96	58.61	49.87	47.22	8.59
KIAA0141	1.26	0.10	30.16	33.49	30.29	42.24	42.80
KIAA0182	-1.27	0.20	21.44	18.39	17.49	21.63	9.22
KIAA0196	1.15	0.34	37.27	33.77	34.20	35.67	42.30
KIAA0226L	-1.62	0.16	2.52	1.78	2.35	1.81	0.76
KIAA0232	-1.00	0.99	87.04	59.57	78.20	81.99	85.36
KIAA0319	-1.44	0.24	7.22	3.57	8.09	4.98	4.55
KIAA0319L	1.19	0.36	20.87	16.20	22.19	14.50	24.75
KIAA0355	-1.01	0.99	46.21	40.35	48.82	62.06	47.22
KIAA0368	1.15	0.36	89.90	88.26	97.52	95.24	114.15
KIAA0391	1.05	0.82	6.31	7.00	8.22	10.42	7.70
KIAA0408	-1.85	0.01	9.40	10.57	8.35	7.13	3.79
KIAA0430	1.22	0.16	58.25	54.49	44.12	61.72	62.12
KIAA0513	1.49	0.00	16.63	16.06	17.10	20.27	28.28
KIAA0556	1.77	0.00	24.08	28.82	21.02	29.22	47.22
KIAA0586	1.03	0.90	17.66	17.43	17.49	16.42	17.55
KIAA0753	1.18	0.54	12.38	8.65	9.01	12.46	17.80
KIAA0825	-1.02	0.97	2.18	2.06	3.39	3.40	3.28
KIAA0895L	-1.44	0.30	2.29	1.37	1.83	2.15	1.64

KIAA0907	-1.00	0.99	61.81	49.00	54.57	57.53	51.01
KIAA0922	1.30	0.11	52.98	55.73	42.04	88.78	79.68
KIAA0930	-2.13	0.00	36.47	53.12	39.82	38.73	17.30
KIAA1033	1.15	0.37	57.11	59.57	70.63	62.17	66.67
KIAA1109	1.00	0.99	62.15	57.24	72.19	73.16	69.19
KIAA1143	-1.19	0.44	9.63	7.00	10.44	7.81	6.57
KIAA1147	-1.07	0.82	6.08	4.67	4.57	6.45	4.67
KIAA1191	-1.33	0.06	76.37	98.28	84.07	75.42	57.83
KIAA1210	-1.56	0.44	2.06	0.27	1.31	1.47	1.26
KIAA1211	-3.11	0.00	142.88	94.84	97.26	172.02	20.46
KIAA1217	2.54	0.00	2.29	2.47	2.35	1.59	4.80
KIAA1328	-1.57	0.01	23.28	15.51	14.88	13.82	10.10
KIAA1429	-1.10	0.55	113.64	104.04	120.23	119.13	95.58
KIAA1462	-1.53	0.09	6.65	6.18	6.79	4.42	4.04
KIAA1468	-1.17	0.33	50.23	36.51	43.86	48.81	35.10
KIAA1522	1.42	0.03	11.81	10.98	8.49	12.23	14.02
KIAA1524	-2.11	0.00	25.11	23.61	19.19	21.74	8.59
KIAA1549	2.37	0.00	39.10	30.88	24.93	54.58	91.29
KIAA1551	1.66	0.00	27.06	17.71	26.11	28.20	52.27
KIAA1614	-1.21	0.26	15.25	16.75	17.62	17.33	13.01
KIAA1644	-1.73	0.31	2.18	3.43	0.91	5.32	1.14
KIAA1671	7.19	0.00	7.45	4.67	8.75	6.00	67.43
KIAA1715	-1.11	0.48	51.83	51.20	50.39	54.36	52.15
KIAA1755	-1.44	0.46	1.15	3.71	1.83	4.19	1.14
KIAA1841	-3.04	0.00	5.05	4.53	6.53	3.51	1.26
KIAA2012	-3.60	0.00	15.02	13.45	7.18	15.74	3.16
KIAA2013	-1.27	0.12	36.01	51.47	40.08	39.18	30.81
KIAA2022	-1.72	0.00	39.68	47.35	29.63	49.60	19.19
KIAA2026	-1.03	0.92	37.84	38.84	42.17	54.47	48.23
KIDINS220	-1.09	0.66	144.15	104.45	130.68	152.88	124.25
KIF11	-3.19	0.00	134.05	139.18	116.97	107.92	22.85
KIF12	-2.83	0.00	10.78	8.51	5.61	11.66	1.14
KIF13B	1.20	0.26	150.57	93.06	117.36	129.21	159.10
KIF14	-2.66	0.00	37.96	43.51	49.22	34.31	10.61
KIF15	-2.98	0.00	56.19	49.82	40.99	40.54	9.60
KIF16B	1.75	0.00	10.32	8.65	13.19	10.08	21.84
KIF17	-1.82	0.11	1.26	1.78	1.70	1.25	0.76
KIF18A	-2.22	0.00	12.16	12.90	9.66	11.10	3.79
KIF18B	-3.39	0.00	43.81	34.18	34.59	30.58	10.35
KIF19	-1.40	0.41	1.95	1.37	2.09	1.13	0.88
KIF1A	2.39	0.04	1.83	1.51	1.70	3.96	9.72
KIF1B	-1.24	0.14	116.62	102.94	116.06	116.87	98.62
KIF1BP	1.19	0.27	34.63	38.16	31.85	37.03	46.21
KIF1C	1.38	0.03	92.08	97.59	94.52	86.63	136.75
KIF20A	-2.89	0.00	96.90	96.49	80.42	70.55	21.59
KIF20B	-2.09	0.00	19.95	21.27	22.06	17.33	8.71
KIF21A	-1.27	0.15	136.46	113.79	108.61	146.54	81.32

KIF21B	1.29	0.48	3.90	1.37	1.83	3.40	3.66
KIF22	-2.75	0.00	49.54	51.75	41.64	37.26	9.98
KIF23	-3.09	0.00	99.77	102.12	97.00	77.91	21.21
KIF24	-2.01	0.00	12.96	13.18	8.35	12.91	6.57
KIF26A	-1.72	0.30	1.61	1.37	5.74	4.64	1.64
KIF26B	-4.03	0.00	1073.01	1771.98	589.02	468.03	194.20
KIF27	-1.16	0.41	28.21	18.53	23.63	26.27	20.58
KIF2A	-1.36	0.02	36.81	41.04	37.99	35.67	23.49
KIF2C	-2.54	0.00	24.31	26.63	21.02	18.35	9.09
KIF3A	1.44	0.01	11.93	13.04	14.62	13.82	19.07
KIF3B	-1.08	0.72	80.85	53.67	61.75	72.82	60.48
KIF3C	-1.68	0.02	7.22	8.78	8.62	7.02	3.91
KIF4A	-2.77	0.00	57.11	65.33	53.65	44.16	14.14
KIF5B	-1.47	0.00	117.43	122.43	117.75	104.18	76.64
KIF7	1.09	0.70	74.65	50.24	64.88	74.06	67.43
KIF9	-1.64	0.09	2.64	2.20	2.61	2.83	1.89
KIFAP3	1.18	0.29	27.87	37.88	36.42	31.93	33.33
KIFC1	-2.55	0.00	70.98	82.77	66.71	62.62	21.72
KIFC2	1.23	0.37	17.43	12.22	18.02	19.02	17.30
KIFC3	-1.32	0.08	36.47	37.61	39.42	33.29	33.21
KIN	-1.02	0.97	4.59	3.57	6.27	4.19	3.79
KIRREL	-1.32	0.12	76.26	48.31	75.33	51.75	48.74
KIT	1.54	0.43	1.72	1.10	4.05	2.26	2.02
KIZ	-1.01	0.95	12.04	10.43	11.75	11.89	12.88
KLC1	-1.09	0.63	82.57	99.51	86.68	99.20	79.30
KLC2	-1.04	0.82	18.12	21.00	20.50	17.89	18.44
KLC4	-1.10	0.67	17.32	14.00	20.23	24.23	14.27
KLF10	1.13	0.85	150.34	170.88	219.84	156.84	165.41
KLF11	-1.95	0.00	52.41	58.20	53.52	65.45	16.54
KLF12	-1.47	0.14	8.49	11.53	6.14	14.04	7.45
KLF13	1.31	0.56	0.92	1.37	1.31	1.25	2.02
KLF14	-1.68	0.08	6.88	6.31	3.13	8.38	3.03
KLF15	-1.12	0.49	28.55	26.77	26.76	23.44	25.63
KLF16	1.11	0.52	27.52	34.59	34.33	21.18	28.79
KLF2	-1.26	0.14	48.74	50.37	47.78	40.09	32.70
KLF3	1.51	0.00	16.63	19.35	15.40	22.42	27.02
KLF4	4.28	0.00	30.96	27.73	22.98	73.83	202.79
KLF5	12.26	0.00	3.90	3.98	1.70	9.63	89.40
KLF6	-1.18	0.29	26.95	30.20	32.64	27.63	25.88
KLF7	-1.10	0.69	12.27	10.98	12.01	8.49	10.23
KLF9	4.03	0.00	1.83	1.78	1.04	1.13	8.08
KLHDC1	-1.38	0.06	20.53	13.45	18.67	17.55	12.75
KLHDC10	-1.55	0.01	42.09	40.49	29.90	24.01	23.23
KLHDC2	-1.28	0.11	29.70	28.27	37.47	38.28	23.61
KLHDC3	1.11	0.49	52.06	47.35	50.78	53.11	56.44
KLHDC4	-1.04	0.83	13.42	14.82	14.23	13.14	15.03
KLHDC7A	-1.37	0.80	22.71	4.80	17.88	5.10	10.23

KLHDC8B	-2.22	0.00	18.12	12.63	15.40	13.59	6.31
KLHL11	1.06	0.76	18.92	14.27	12.92	15.06	16.04
KLHL12	-1.06	0.78	9.75	10.71	9.01	8.83	10.48
KLHL13	-1.89	0.04	10.44	4.25	5.74	4.64	5.05
KLHL15	-2.10	0.00	15.83	14.69	15.27	12.00	5.93
KLHL17	-1.31	0.16	15.02	11.12	11.36	13.14	9.47
KLHL18	-1.06	0.75	17.55	18.39	14.88	18.91	13.51
KLHL2	1.02	0.95	24.54	16.47	21.80	19.82	28.28
KLHL20	1.06	0.79	25.11	23.06	21.41	26.84	20.20
KLHL21	-1.41	0.01	36.12	34.59	39.42	34.77	21.84
KLHL22	-1.48	0.01	47.02	34.31	45.82	38.50	22.22
KLHL23	-1.24	0.53	2.18	2.06	1.83	2.83	2.15
KLHL24	1.95	0.00	3.21	5.08	3.92	8.04	8.84
KLHL25	1.39	0.42	1.95	1.24	2.87	1.25	2.02
KLHL26	1.35	0.50	1.49	1.65	1.57	2.04	3.03
KLHL28	-1.06	0.78	15.94	13.59	16.19	13.25	14.77
KLHL29	-3.25	0.00	20.18	23.61	18.41	21.06	5.68
KLHL3	-3.85	0.00	18.69	8.10	8.88	11.78	2.15
KLHL32	-1.63	0.10	4.93	2.75	3.52	3.06	1.39
KLHL33	4.27	0.00	0.57	0.27	0.26	0.11	1.77
KLHL36	-1.02	0.92	11.81	11.53	11.10	11.55	12.25
KLHL41	1.21	0.63	2.98	4.25	2.87	3.17	5.18
KLHL42	1.20	0.40	7.11	6.73	3.66	7.25	7.20
KLHL5	1.15	0.34	33.03	28.00	31.20	30.58	36.37
KLHL7	1.10	0.65	9.29	8.10	14.23	10.31	13.13
KLHL8	-1.21	0.31	8.60	8.78	9.01	10.64	7.70
KLHL9	-1.46	0.00	51.83	46.26	56.92	46.77	31.19
KLK4	-4.15	0.00	1.49	1.78	0.91	1.81	0.25
KMT2A	1.06	0.81	132.22	106.24	118.93	125.93	154.43
KMT2B	-1.09	0.56	50.80	48.45	44.39	47.68	41.29
KMT2C	1.02	0.92	190.47	159.49	172.06	193.08	204.18
KMT2D	-1.13	0.49	252.05	186.26	204.83	226.71	200.51
KMT2E	1.50	0.01	148.04	112.69	127.54	148.57	263.52
KMT5A	-1.44	0.01	43.92	54.08	51.96	41.56	30.68
KMT5B	1.27	0.07	28.32	26.77	30.29	28.65	35.86
KMT5C	-1.39	0.14	6.77	7.55	7.83	5.32	4.55
KNOP1	-1.06	0.84	6.54	9.47	7.18	8.83	6.94
KNSTRN	-2.30	0.00	29.01	38.84	33.42	23.55	9.09
KNTC1	-3.16	0.00	67.77	61.63	76.63	68.97	9.98
KPNA1	1.12	0.53	40.59	40.90	35.38	35.22	39.90
KPNA2	-2.10	0.00	70.75	75.08	60.31	47.90	28.16
KPNA3	1.30	0.11	11.12	10.16	13.97	11.78	17.30
KPNA4	-1.11	0.60	35.32	41.86	36.55	27.74	33.21
KPNA5	-1.92	0.00	10.89	9.88	15.01	12.46	5.81
KPNA6	1.05	0.78	23.62	25.80	24.80	27.40	26.01
KPNB1	-1.19	0.31	642.29	720.19	621.66	583.77	715.43
KPTN	-1.16	0.45	9.86	11.53	12.79	12.12	8.08

KRAS	1.59	0.03	14.68	15.92	16.84	16.65	31.69
KRBA1	-1.06	0.84	24.54	38.57	20.63	33.86	25.25
KRBA2	1.14	0.59	4.36	5.63	6.01	4.30	6.06
KRCC1	1.18	0.24	38.99	40.35	37.99	41.56	49.24
KREMEN1	-1.08	0.75	10.32	7.96	12.01	10.31	10.48
KRI1	2.08	0.00	6.54	6.73	6.66	6.57	16.04
KRIT1	1.11	0.55	21.10	17.16	17.23	21.86	22.73
KRR1	1.00	1.00	18.12	17.29	20.23	18.12	17.05
KRT14	3.24	0.00	0.57	1.51	0.26	0.68	2.65
KRT75	-2.56	0.16	4.70	5.08	5.61	0.34	2.53
KRTCAP2	1.01	0.98	20.53	23.20	22.58	21.97	20.71
KRTCAP3	-1.21	0.75	1.38	1.24	1.04	0.34	0.13
KSR1	2.80	0.00	5.16	3.02	3.66	4.64	7.32
KTN1	1.57	0.00	55.04	58.61	61.23	65.45	100.00
KXD1	-1.11	0.55	22.59	22.92	22.58	19.02	18.94
KY	1.74	0.37	1.61	0.55	2.22	1.25	1.77
L1CAM	10.50	0.00	0.34	0.55	0.13	0.23	6.94
L2HGDH	1.51	0.01	12.04	11.39	15.53	14.04	23.61
L3HYPDH	-1.16	0.61	6.54	3.71	5.35	6.34	3.54
L3MBTL1	-1.48	0.03	44.72	27.31	44.12	34.43	22.85
L3MBTL2	-1.72	0.00	16.05	16.20	14.10	14.95	9.72
L3MBTL3	1.12	0.85	61.12	50.78	54.57	47.22	59.60
LACC1	-1.28	0.10	26.72	22.78	21.28	26.39	19.57
LACE1	-1.05	0.84	4.70	3.84	4.05	4.53	4.04
LACTB	-1.06	0.86	2.18	1.51	1.96	1.93	1.39
LACTB2	1.20	0.47	3.44	4.12	6.01	4.19	6.06
LAG3	1.06	0.83	1.15	1.51	1.04	3.96	1.77
LAGE3	1.07	0.76	6.77	8.65	7.57	8.38	8.97
LAIR1	-1.99	0.23	2.06	3.02	5.09	0.68	1.01
LAMA1	21.38	0.00	0.46	0.41	2.22	0.11	14.77
LAMA2	-4.16	0.00	70.98	77.69	93.08	76.55	10.35
LAMA4_1	1.01	0.99	185.54	153.73	173.10	171.22	170.84
LAMA4_2	1.03	0.87	108.60	96.08	106.13	96.14	104.68
LAMA4_3	-1.00	0.97	265.47	231.14	251.04	242.91	240.04
LAMA5	1.64	0.25	4.70	3.57	6.66	5.10	4.80
LAMB1	2.43	0.00	63.53	62.45	65.14	60.70	114.90
LAMB2	1.16	0.43	316.16	255.30	307.83	293.07	359.48
LAMB3	3.35	0.00	41.74	46.39	45.95	51.19	182.20
LAMC1	2.66	0.00	47.59	47.35	69.58	78.14	124.50
LAMC3	2.71	0.02	0.92	3.16	2.22	0.79	2.53
LAMP1	1.21	0.42	556.75	498.65	457.43	447.31	615.56
LAMP2	1.34	0.03	132.33	139.18	148.69	153.44	178.67
LAMTOR1	1.28	0.08	17.20	19.22	19.71	20.72	25.51
LAMTOR2	-1.03	0.90	10.55	15.78	12.66	12.68	10.61
LAMTOR3	1.16	0.31	20.76	22.51	25.06	27.63	28.41
LAMTOR4	1.16	0.33	17.43	19.63	18.93	19.25	21.09
LAMTOR5	1.15	0.49	10.66	9.20	8.62	7.36	11.62

LANCL1	-1.03	0.88	78.09	63.55	76.89	85.27	64.14
LANCL2	-1.17	0.36	17.89	22.10	20.63	16.31	16.67
LAP3	1.05	0.77	32.34	43.92	37.34	31.26	35.73
LAPTM4A	-1.00	1.00	405.72	564.54	333.15	480.04	383.10
LAPTM4B	1.37	0.06	12.50	18.26	12.66	16.76	16.67
LAPTM5	1.87	0.01	7.57	43.51	43.47	54.81	71.85
LARGE	1.29	0.39	13.99	12.90	15.80	13.02	28.92
LARP1	1.08	0.73	305.38	319.26	295.43	254.00	354.81
LARP1B	-1.22	0.26	12.96	13.31	15.80	11.32	11.49
LARP4	1.11	0.69	13.19	9.75	14.23	10.64	15.91
LARP4B	1.04	0.82	31.08	26.90	28.20	30.92	31.69
LARP6	1.24	0.32	8.72	10.29	9.01	10.19	15.03
LARP7	1.11	0.60	12.73	14.14	10.84	15.51	11.74
LARS	1.14	0.37	43.46	49.96	53.52	57.19	56.06
LARS2	1.19	0.31	18.46	11.80	15.67	18.01	19.57
LAS1L	-1.06	0.73	60.43	50.51	58.22	61.38	49.12
LASP1	1.01	0.99	195.29	206.43	207.57	175.07	185.23
LAT	39.37	0.00	0.23	0.41	0.13	0.11	12.88
LATS1_1	-1.11	0.55	52.41	45.29	55.48	61.72	46.97
LATS2	1.08	0.72	26.83	25.53	30.94	22.31	27.78
LAX1	-1.07	0.84	1.95	0.27	0.65	1.36	1.77
LAYN	2.11	0.13	0.46	0.41	0.78	0.23	0.38
LBH	1.19	0.24	44.61	49.41	37.21	55.26	60.10
LBHD1	1.31	0.13	9.29	11.26	10.84	8.49	15.78
LBP	259.28	0.00	0.23	0.41	0.26	0.00	60.61
LBR	-1.34	0.12	18.12	15.51	14.88	12.00	10.86
LBX2	-1.99	0.08	1.38	0.82	1.44	1.47	1.01
LCA5	-1.57	0.32	1.95	1.37	0.65	1.47	0.76
LCAT	-1.21	0.26	48.74	36.37	33.16	44.39	38.13
LCK	1.28	0.49	0.80	1.51	1.44	2.04	1.77
LCLAT1	-1.07	0.76	7.34	8.10	7.83	5.89	7.32
LCMT1	1.34	0.03	18.12	19.08	19.32	20.04	26.14
LCMT2	-1.24	0.44	3.21	3.43	2.87	3.96	4.04
LCN2	107.03	0.00	0.57	3.29	1.57	0.45	174.88
LCORL	-1.61	0.00	14.10	12.63	13.05	13.70	8.46
LCP1	2.27	0.05	1.26	0.41	2.09	0.79	1.64
LCTL	-2.02	0.36	8.37	2.20	8.88	1.13	1.77
LDAH	1.32	0.50	1.15	0.96	1.57	1.70	1.64
LDB1	-1.07	0.72	90.94	69.18	91.77	75.76	75.51
LDB2	-1.60	0.20	1.38	1.37	2.35	2.04	0.13
LDHA	1.35	0.09	49.20	122.30	95.43	80.86	102.40
LDHB	1.26	0.12	40.48	55.73	61.62	47.22	63.26
LDHC	-2.31	0.01	3.67	2.88	3.52	1.81	1.01
LDLR	-1.59	0.00	227.63	247.06	183.68	178.58	133.09
LDLRAD3	-2.44	0.00	43.92	37.75	38.64	36.46	13.01
LDLRAD4	1.26	0.22	48.51	46.53	43.08	70.55	55.31
LDLRAP1	3.42	0.00	7.22	5.08	5.74	7.25	31.19

LDOC1	-4.55	0.00	11.81	8.65	19.58	4.98	1.39
LDOC1L	-1.30	0.09	48.74	33.77	41.38	45.98	30.56
LECT1	-3.56	0.00	3721.53	3706.89	3710.51	2504.03	1017.85
LEKR1	1.49	0.32	0.92	1.24	1.57	0.79	1.39
LEMD2	-1.10	0.61	31.54	37.75	34.20	45.64	32.45
LEMD3	-1.27	0.06	55.27	59.16	54.70	61.04	41.92
LENG1	1.13	0.67	4.13	4.53	3.26	2.83	3.16
LENG8	-1.21	0.35	280.72	162.10	212.66	245.96	170.71
LENG9	-1.11	0.64	10.44	9.75	13.71	10.76	8.97
LEO1	-1.53	0.01	16.97	13.31	13.58	14.04	8.71
LEPROT	-1.03	0.85	85.78	82.90	83.16	83.35	69.57
LEPROTL1	1.14	0.45	12.61	14.41	13.05	12.91	17.05
LETM1	-1.16	0.46	21.33	29.65	18.15	20.72	21.47
LETMD1	-1.03	0.90	11.01	10.16	11.49	8.95	9.47
LEUTX	-1.76	0.23	1.61	0.55	2.09	2.60	0.38
LFNG	1.74	0.00	7.45	5.49	7.57	7.59	14.52
LGALS1	-1.78	0.00	63.19	103.63	61.75	59.34	32.58
LGALS3	2.16	0.00	352.97	378.42	312.79	388.88	839.93
LGALS3BP	3.25	0.00	20.99	10.71	9.79	16.53	49.37
LGALS4	-1.06	0.94	7.68	2.75	2.09	5.32	4.04
LGALS8	1.32	0.12	18.69	14.27	19.97	22.20	28.16
LGALS9_2	3.32	0.04	0.57	0.82	0.65	0.68	0.76
LGALSL	2.46	0.00	41.40	51.88	57.18	63.87	137.00
LGMN	-1.17	0.40	146.78	119.55	161.49	115.96	103.54
LGR4	-1.29	0.18	667.98	517.32	480.02	453.76	369.33
LGR6	-1.18	0.84	2.18	0.00	0.26	1.13	0.88
LHCGR	-8.36	0.00	2.87	1.37	4.05	0.91	0.13
LHFP	-1.66	0.11	3.55	2.61	4.05	6.23	1.89
LHFPL2	6.58	0.00	0.34	0.55	0.65	0.91	4.67
LHFPL3	-3.28	0.00	9.17	11.94	7.57	7.47	3.28
LHPP	-1.37	0.05	22.25	27.86	23.37	18.57	19.19
LHX2	-1.87	0.03	3.44	3.84	2.48	3.17	1.39
LIAS	1.02	0.93	14.91	11.53	14.75	13.59	12.00
LIF	230.20	0.00	0.00	0.41	0.00	0.11	71.85
LIFR	2.84	0.00	6.42	5.35	4.83	6.00	19.32
LIG1	-2.07	0.00	54.24	54.90	44.39	54.70	15.66
LIG3	-1.01	0.97	23.97	24.02	28.07	22.31	27.02
LIG4	-1.07	0.73	17.55	14.69	19.45	17.44	14.90
LIMA1	1.06	0.85	14.56	14.14	19.84	20.38	21.34
LIMCH1	1.01	0.99	226.83	187.22	223.63	188.89	189.15
LIMD1	-1.48	0.01	69.38	75.08	67.62	77.12	45.33
LIMD2	1.32	0.47	2.18	2.06	2.48	1.81	4.17
LIMK1	2.43	0.00	2.64	2.20	2.48	1.81	5.81
LIMK2	1.05	0.84	18.12	21.96	18.67	16.08	16.16
LIMS1	-1.42	0.02	52.18	71.24	56.40	64.21	32.45
LIMS2	1.26	0.38	7.80	4.53	5.22	7.13	10.10
LIN37	1.70	0.01	4.36	3.16	4.83	6.34	8.97

LIN52	-1.57	0.00	13.42	14.96	11.88	15.51	8.97
LIN54	-1.58	0.00	56.08	48.04	43.08	51.41	27.91
LIN7B	1.55	0.15	1.38	1.65	1.83	1.25	2.15
LIN7C	-1.08	0.65	103.32	114.20	113.31	99.54	96.59
LIN9	-2.14	0.00	13.99	13.45	12.14	11.78	4.29
LINGO4	-13.59	0.00	15.60	18.39	6.66	17.21	1.01
LINS1	1.29	0.16	7.80	7.41	11.62	11.55	12.37
LIPA	-1.82	0.01	16.86	8.65	14.88	13.93	3.66
LIPE	-1.33	0.21	7.91	7.82	5.48	7.70	4.04
LIPT1	1.41	0.35	0.80	1.51	2.35	0.91	1.39
LIPT2	-1.65	0.17	2.06	2.61	1.70	1.25	1.52
LITAF	-1.01	0.96	119.26	130.53	106.92	115.96	121.34
LIX1	-2.54	0.04	3.90	2.75	1.44	7.70	1.01
LIX1L	1.02	0.91	100.45	115.43	107.05	129.21	101.52
LLGL1	-1.32	0.03	71.44	73.30	70.10	72.59	45.20
LLGL2	1.28	0.31	15.37	11.94	7.31	8.72	14.52
LLPH	-1.21	0.27	14.56	18.39	15.93	17.33	14.02
LMAN1	-2.55	0.00	238.52	247.61	266.97	172.92	75.76
LMAN2	1.03	0.84	86.12	124.90	94.52	95.01	107.33
LMAN2L	-1.62	0.00	22.13	31.16	20.76	18.46	12.75
LMBR1	1.15	0.44	12.73	10.57	9.01	9.40	12.37
LMBR1L	1.78	0.15	8.37	5.49	11.36	7.93	10.10
LMBRD1	1.70	0.00	13.76	8.51	8.75	15.63	21.09
LMBRD2	-1.52	0.01	22.59	13.31	18.67	16.65	12.12
LMCD1	-1.93	0.00	80.27	66.98	61.62	66.81	30.43
LMF1	-1.43	0.03	24.20	24.98	22.45	21.74	13.13
LMF2	-1.71	0.00	94.15	82.08	90.34	74.17	41.79
LMLN	-1.28	0.26	9.40	9.33	7.70	13.02	8.84
LMNA	-1.17	0.43	168.34	256.94	159.92	178.24	151.27
LMNB1	-3.96	0.00	546.42	537.63	565.79	379.70	87.88
LMNB2	-2.93	0.00	166.97	169.51	147.13	130.00	31.95
LMO1	12.92	0.00	0.11	0.14	0.13	0.00	0.88
LMO4	-1.06	0.81	116.05	71.79	131.20	63.19	92.93
LMO7	-2.10	0.00	134.17	86.20	137.07	78.82	56.95
LMOD1	2.52	0.01	1.83	3.02	1.44	0.79	5.43
LMTK2	1.19	0.33	17.32	12.35	12.53	16.65	20.83
LMTK3	-1.61	0.26	1.03	0.96	1.17	1.93	0.38
LMX1A	-4.19	0.00	7.45	2.88	4.70	4.30	0.51
LMX1B	-1.62	0.28	0.57	1.10	1.44	1.36	1.01
LNP1	-1.77	0.00	12.96	14.69	16.58	14.61	5.81
LNPEP	1.21	0.26	186.12	148.10	126.37	213.58	221.85
LNX1	1.98	0.00	23.97	53.12	33.42	34.54	96.34
LNX2	1.03	0.84	30.04	37.33	36.16	44.73	39.90
LOC100124497	1.01	0.98	23.28	23.33	20.50	22.20	20.33
LOC100126544	2.36	0.08	0.57	0.27	1.04	0.45	2.27
LOC100138449	-1.42	0.19	114.79	108.57	45.43	85.84	74.75
LOC100139040	1.19	0.36	7.68	7.00	7.31	7.47	8.21

LOC100139345	-1.26	0.51	1.49	1.10	1.57	1.81	2.02
LOC100139548	1.31	0.13	18.81	13.18	12.92	15.17	22.85
LOC100139638	-1.64	0.27	0.69	1.51	6.01	1.47	0.51
LOC100139670	-1.21	0.79	2.87	0.82	0.91	1.81	1.26
LOC100140586	1.00	0.99	8.72	9.61	8.49	10.31	8.84
LOC100140873	26.12	0.00	0.00	0.14	0.39	0.00	9.98
LOC100140915	1.24	0.19	11.81	11.26	12.27	10.19	14.52
LOC100141258	1.59	0.22	1.15	1.78	0.91	0.79	2.40
LOC100294973	-2.68	0.47	2.41	0.00	0.00	2.49	0.63
LOC100295842	-2.62	0.14	1.83	9.20	0.13	3.96	0.00
LOC100295951	1.32	0.53	1.38	0.27	0.91	1.02	1.26
LOC100296121	1.03	0.93	9.98	4.94	12.14	10.98	10.35
LOC100296324	-2.04	0.05	1.26	1.65	1.44	1.59	0.88
LOC100297056	1.37	0.42	0.34	1.24	1.04	1.81	1.01
LOC100297097	-1.56	0.02	18.35	17.16	22.06	20.27	6.19
LOC100297513	-1.55	0.09	7.34	4.53	9.01	6.34	3.41
LOC100297540	-1.47	0.19	3.78	3.16	2.35	3.74	2.15
LOC100298356	1.52	0.08	12.27	5.76	1.96	6.68	10.10
LOC100298918	-1.44	0.08	42.66	24.16	34.86	38.96	22.60
LOC100298923	1.37	0.36	1.95	0.69	1.96	2.04	2.40
LOC100299025	1.15	0.54	5.28	5.35	7.31	6.23	6.57
LOC100299180	1.02	0.97	1.15	0.96	0.78	1.25	1.14
LOC100299281	1.17	0.66	6.65	3.71	6.14	0.79	3.16
LOC100299600	2.11	0.03	2.75	1.65	2.48	2.72	7.83
LOC100299712	1.15	0.54	5.85	5.35	6.92	5.66	6.94
LOC100300760	-2.07	0.03	3.10	1.78	2.22	1.93	0.88
LOC100300816	1.01	0.94	4.36	4.12	2.61	6.12	2.53
LOC100300896	-1.09	0.92	10.66	5.08	9.01	15.97	7.20
LOC100301148	-1.06	0.77	25.57	25.12	24.93	31.37	26.01
LOC100335242	-1.05	0.85	4.70	6.31	5.48	5.89	5.68
LOC100335642	1.33	0.10	13.99	9.20	14.75	14.38	20.96
LOC100335822	1.42	0.27	5.16	0.82	2.09	3.85	6.06
LOC100335918	-1.67	0.03	26.49	22.65	15.27	12.34	16.67
LOC100335990	-3.06	0.00	2.52	1.78	3.39	2.15	0.88
LOC100336208	1.30	0.49	1.26	0.96	1.17	1.13	1.64
LOC100336369	1.72	0.34	0.57	0.55	0.52	1.13	2.02
LOC100336396	-1.55	0.40	1.61	1.65	0.65	0.79	0.51
LOC100336431	1.37	0.36	1.49	0.96	2.22	1.25	2.40
LOC100336476	-1.37	0.34	11.12	6.04	5.09	6.12	3.03
LOC100336482	2.38	0.01	0.92	0.82	0.91	1.70	2.53
LOC100336494	1.20	0.54	3.44	2.47	1.57	2.83	2.65
LOC100336558	-1.11	0.66	4.13	3.43	3.52	4.19	5.30
LOC100336574	-1.07	0.94	30.39	16.61	19.84	9.85	22.73
LOC100336599	-2.56	0.02	0.92	1.10	1.44	1.02	0.38
LOC100336606	-1.21	0.60	3.78	2.75	1.83	3.62	2.53
LOC100336614	-1.27	0.32	12.61	12.90	8.88	17.89	7.07
LOC100336628	1.00	0.97	22.48	26.77	18.93	25.82	24.62

LOC100336655	1.26	0.64	1.26	1.65	1.44	0.57	2.53
LOC100336707	1.22	0.31	115.36	85.79	83.03	93.65	130.56
LOC100336714	-1.03	0.94	5.73	8.78	7.83	5.78	5.93
LOC100336747	-1.03	0.90	7.80	8.10	6.40	6.68	6.94
LOC100336762	-3.23	0.00	27.52	39.67	14.75	9.40	5.68
LOC100336777	-1.11	0.54	20.76	23.33	18.67	19.59	23.61
LOC100336795	3.85	0.23	0.23	1.78	0.13	0.11	5.81
LOC100336949	-1.54	0.06	15.71	12.76	22.19	12.34	6.69
LOC100337053	-1.80	0.67	5.50	0.55	0.65	8.83	2.27
LOC100337066	29.04	0.00	0.00	0.27	0.00	0.23	4.92
LOC100337108	-2.32	0.83	12.73	0.00	0.00	13.59	5.30
LOC100337139	2.86	0.00	0.92	0.69	0.39	1.47	3.54
LOC100337244	1.02	0.96	2.98	1.78	1.31	4.30	2.78
LOC100337293	1.05	0.92	10.44	6.73	14.36	10.42	8.33
LOC100337323	-2.22	0.00	6.65	7.82	14.23	6.68	3.16
LOC100337454	1.53	0.22	2.64	2.33	2.74	3.40	6.31
LOC100847122	1.20	0.54	4.01	3.02	2.61	3.17	2.78
LOC100847190	-1.14	0.54	10.21	15.65	13.84	15.40	10.23
LOC100847265	1.05	0.82	13.07	13.04	13.19	14.83	14.90
LOC100847335	-2.14	0.12	3.55	0.69	2.35	1.47	1.14
LOC100847516	1.19	0.66	4.13	3.98	3.26	3.51	6.57
LOC100847542	-1.08	0.63	23.85	22.37	24.67	25.93	21.59
LOC100847574	-2.11	0.70	15.14	0.00	0.00	17.44	7.20
LOC100847583	5.44	0.00	1.83	3.29	1.31	8.38	24.50
LOC100847692	-1.34	0.12	78.67	98.28	53.39	71.34	51.26
LOC100847745	-1.28	0.94	0.57	1.65	0.00	2.04	1.14
LOC100847876	1.04	0.82	19.04	18.80	17.36	18.35	20.96
LOC100847952	1.23	0.44	0.34	3.16	0.39	1.13	2.27
LOC100847999	-1.24	0.53	2.06	1.78	1.83	2.15	1.64
LOC100848077	-1.08	0.81	5.39	3.16	5.22	4.53	4.55
LOC100848101	-1.89	0.11	1.15	2.88	2.09	1.36	0.63
LOC100848138	-1.11	0.71	3.21	3.29	3.39	5.66	5.18
LOC100848225	-3.70	0.00	3.44	0.96	1.83	3.17	0.13
LOC100848264	-1.93	0.04	4.47	2.47	4.57	3.06	1.26
LOC100848343	1.19	0.41	9.06	11.80	10.57	11.10	15.66
LOC100848389	-1.47	0.23	2.75	2.61	1.96	2.38	1.01
LOC100848461	-3.97	0.00	19.84	23.47	32.90	23.10	3.66
LOC100848472	-1.44	0.37	2.64	0.96	2.09	2.72	1.64
LOC100848488	-1.44	0.63	1.72	1.51	0.52	3.51	1.26
LOC100848595	-1.07	0.84	2.52	3.29	3.92	2.38	3.28
LOC100848598	-1.06	0.84	3.67	3.57	4.57	3.62	3.54
LOC100848665	1.57	0.30	1.03	0.82	0.91	1.36	1.01
LOC100848761	-1.52	0.32	1.26	1.10	0.91	1.59	0.76
LOC100848815	14.34	0.00	0.00	0.27	0.13	0.00	2.65
LOC100848827	-1.19	0.65	1.03	1.37	1.57	1.59	0.88
LOC100848865	1.30	0.63	1.15	0.41	1.04	0.79	1.77
LOC100848872	-1.13	0.43	36.58	44.75	39.03	36.35	39.02

LOC100848895	1.04	0.89	6.88	8.37	7.83	5.89	8.21
LOC100848939	2.05	0.08	0.46	0.14	0.78	1.70	1.14
LOC100848991	1.15	0.65	25.46	33.35	38.51	30.24	35.48
LOC100849030	-1.31	0.08	20.76	17.98	18.28	17.33	12.63
LOC100849054	1.76	0.01	3.44	3.98	3.00	3.96	7.20
LOC100849063	-1.22	0.30	139.79	92.92	97.52	107.01	92.93
LOC100849074	-1.38	0.11	7.57	6.59	7.44	8.72	6.44
LOC100849399	1.76	0.00	28.21	30.20	29.11	27.74	58.46
LOC100850004	-1.21	0.97	1.83	0.41	0.26	2.26	0.76
LOC100850100	-1.62	0.15	1.95	2.06	2.87	3.74	1.26
LOC100850276	-2.23	0.07	7.22	2.33	3.00	2.04	1.52
LOC100850391	1.01	0.99	4.70	5.35	5.61	5.21	5.43
LOC100850808	-2.41	0.19	2.41	18.94	0.13	5.66	0.00
LOC100851337	1.13	0.92	16.05	0.00	14.62	16.99	18.94
LOC100851883	1.14	0.44	12.96	12.76	14.23	13.48	16.16
LOC100851999	-2.29	0.03	7.34	2.06	5.87	6.23	1.39
LOC101902067	-1.11	0.80	3.21	2.06	2.48	1.47	2.65
LOC101902093	-1.09	0.76	3.44	4.67	4.05	4.64	3.91
LOC101902154	4.98	0.00	1.26	0.82	1.31	1.25	6.82
LOC101902232	1.02	0.95	1.95	2.20	1.83	1.36	1.64
LOC101902435	1.43	0.03	9.17	6.45	8.22	8.15	10.86
LOC101902537	-1.82	0.01	16.63	8.51	16.84	12.00	6.82
LOC101902604	1.23	0.61	1.72	0.55	1.44	1.25	1.89
LOC101902664	1.06	0.90	2.29	2.20	1.44	1.36	2.02
LOC101902665	-1.05	0.92	6.19	3.29	3.92	5.21	4.29
LOC101902808	-1.03	0.92	7.22	5.63	4.83	5.44	6.06
LOC101903041	-1.09	0.86	3.33	2.75	2.22	5.21	3.28
LOC101903082	-2.33	0.02	1.95	1.37	1.96	1.13	1.39
LOC101903200	-1.39	0.10	14.91	20.45	15.93	13.59	10.99
LOC101903261	1.16	0.99	0.80	0.27	1.04	1.81	1.52
LOC101903326	-1.04	0.89	2.75	2.06	2.74	1.81	2.90
LOC101903385	-1.28	0.78	6.08	2.47	1.17	4.42	2.40
LOC101903477	-2.05	0.02	3.90	2.75	5.74	4.42	2.65
LOC101903536	-2.55	0.02	1.49	1.65	1.44	2.83	1.01
LOC101903649	1.16	0.45	11.12	12.49	10.84	13.70	11.49
LOC101903778	-1.58	0.27	0.92	1.24	1.44	1.93	0.51
LOC101903955	-1.19	0.67	2.52	1.78	1.44	3.40	1.77
LOC101903982	-1.31	0.57	1.15	1.51	3.39	1.59	1.01
LOC101904172	-1.24	0.49	2.29	3.29	2.09	2.83	1.14
LOC101904210	-3.93	0.00	18.12	21.27	28.59	22.08	4.80
LOC101904263	-1.77	0.14	1.72	1.10	1.44	1.36	0.63
LOC101904278	-4.12	0.00	6.88	11.53	8.22	9.97	0.51
LOC101904288	6.30	0.00	7.11	3.71	3.52	7.81	45.58
LOC101904333	-1.25	0.54	1.49	1.37	1.70	2.15	1.14
LOC101904339	-1.21	0.64	1.83	2.88	2.09	4.19	2.65
LOC101904435	1.45	0.01	14.91	13.73	15.01	15.40	25.63
LOC101904642	-1.02	0.85	14.56	20.59	14.36	15.63	23.36

LOC101904667	-1.02	0.92	1.15	1.37	0.52	0.23	0.88
LOC101904668	-1.04	0.96	1.38	1.65	2.22	0.91	1.39
LOC101904677	1.94	0.00	7.22	8.51	7.44	10.19	11.11
LOC101904704	1.97	0.00	4.13	4.25	5.09	7.02	9.85
LOC101904753	-1.21	0.30	12.38	10.29	13.32	10.64	8.21
LOC101904810	-1.01	0.87	1.26	1.24	0.91	2.83	1.64
LOC101905017	1.35	0.43	1.49	2.33	1.17	1.36	1.64
LOC101905074	-1.37	0.04	105.73	98.28	122.06	119.47	58.21
LOC101905153	-4.88	0.00	1.49	0.82	1.83	1.36	0.25
LOC101905369	-1.41	0.24	4.13	2.88	2.61	3.17	1.89
LOC101905467	1.28	0.55	1.38	0.96	0.78	1.25	1.26
LOC101905478	1.01	0.92	3.21	1.24	1.57	2.15	2.15
LOC101905505	-2.43	0.00	22.59	7.55	18.67	18.01	6.57
LOC101905571	-1.76	0.09	3.44	2.61	1.44	2.83	1.39
LOC101905611	-1.27	0.49	3.67	2.61	4.70	2.49	2.15
LOC101905818	-1.33	0.20	7.00	6.59	5.48	7.13	4.55
LOC101905819	-1.05	0.86	7.57	7.41	5.87	6.91	6.82
LOC101905822	-2.40	0.00	41.05	42.96	31.72	39.30	9.85
LOC101905837	-1.05	0.88	3.67	3.29	4.57	3.85	3.41
LOC101905845	-1.84	0.11	4.47	3.16	1.31	3.40	1.64
LOC101905885	-1.15	0.59	3.10	3.16	2.87	4.30	2.02
LOC101905937	-1.68	0.03	23.62	12.08	33.42	18.57	12.12
LOC101906009	1.98	0.17	0.80	0.69	0.52	0.45	1.52
LOC101906058	-1.59	0.00	75.69	77.14	92.17	68.74	46.59
LOC101906131	-1.18	0.54	5.16	3.71	4.05	5.44	5.05
LOC101906206	1.47	0.34	1.83	0.82	2.35	1.59	2.02
LOC101906235	-1.13	0.73	11.24	4.12	9.27	10.53	9.47
LOC101906266	1.71	0.04	1.26	2.20	2.09	2.38	3.54
LOC101906340	1.30	0.55	1.03	0.82	0.65	0.91	1.14
LOC101906350	1.15	0.70	0.92	0.82	2.35	1.47	2.02
LOC101906427	-1.38	0.13	6.19	5.90	7.44	7.70	6.44
LOC101906436	-4.69	0.00	9.52	8.37	14.10	10.19	1.64
LOC101906593	-2.36	0.00	11.93	6.31	11.62	9.29	5.43
LOC101906604	3.31	0.00	27.87	19.35	23.89	28.76	90.16
LOC101906717	1.27	0.34	3.10	2.47	5.35	5.89	5.81
LOC101906828	-1.63	0.01	15.94	26.22	19.32	15.29	11.49
LOC101906870	-1.01	0.97	32.68	40.63	35.51	38.73	32.70
LOC101907041	1.15	0.53	6.65	4.80	9.27	5.66	7.20
LOC101907229	-1.29	0.22	13.65	12.63	15.01	20.04	9.98
LOC101907314	-1.85	0.03	4.70	5.08	5.74	2.60	2.40
LOC101907388	1.19	0.81	2.87	2.75	1.57	2.72	3.41
LOC101907562	-1.45	0.77	6.54	2.33	0.00	3.62	2.65
LOC101907570	-1.67	0.29	1.26	1.10	2.48	0.79	0.63
LOC101907642	-1.12	0.71	8.03	3.71	7.05	6.23	6.94
LOC101907697	-1.14	0.80	0.57	1.24	1.31	1.02	0.51
LOC101907835	1.41	0.41	1.03	0.82	3.66	5.44	3.79
LOC101907883	-1.75	0.00	8.94	9.75	13.32	10.76	6.19

LOC101907893	-1.44	0.41	2.75	3.57	6.01	1.47	2.65
LOC101907969	-1.35	0.07	20.64	15.24	16.97	17.44	15.53
LOC101907974	1.28	0.39	3.33	3.57	1.96	3.17	2.90
LOC101908141	-1.64	0.11	3.90	2.20	2.61	3.17	1.77
LOC101908185	1.11	0.82	1.95	1.24	0.91	1.93	1.52
LOC101908230	1.51	0.20	2.06	0.82	1.04	1.81	2.40
LOC101908474	1.13	0.57	6.65	7.96	5.87	5.44	8.33
LOC101909195	1.67	0.00	856.28	1198.11	1131.96	1142.96	1581.00
LOC101909756	1.03	0.85	2.87	1.10	0.91	2.04	1.89
LOC101910000	-1.52	0.00	24.08	28.82	27.68	26.16	18.06
LOC101910047	-10.39	0.00	2.06	1.10	0.91	1.02	0.00
LOC101910094	1.18	0.73	1.26	0.82	2.61	1.59	2.65
LOC101910148	-1.08	0.92	0.80	0.41	1.31	1.13	0.76
LOC104968408	1.06	0.97	4.47	1.92	4.57	2.60	4.17
LOC104968409	-2.03	0.03	3.33	1.78	2.48	2.83	2.15
LOC104968417	1.57	0.00	9.75	9.20	9.01	10.19	14.90
LOC104968424	36.46	0.00	0.34	0.27	0.39	0.45	19.70
LOC104968426	2.53	0.00	23.62	23.06	11.36	73.04	108.72
LOC104968431	1.11	0.79	0.92	1.92	1.31	1.36	1.26
LOC104968436	1.20	0.37	7.00	7.55	5.35	7.59	8.33
LOC104968444	2.18	0.00	8.37	7.41	8.35	11.55	20.58
LOC104968476	1.25	0.17	32.68	17.43	22.45	31.26	30.94
LOC104968478	691.99	0.00	0.00	0.27	0.13	0.00	116.42
LOC104968516	-4.26	0.00	8.83	8.92	9.53	4.87	1.89
LOC104968594	-1.14	0.40	33.60	33.63	28.59	33.07	28.66
LOC104968682	2.04	0.06	0.92	0.27	0.78	1.59	2.40
LOC104968712	1.39	0.12	5.62	4.53	10.18	4.98	7.70
LOC104968805	-1.31	0.58	3.21	1.24	1.44	3.28	1.52
LOC104968820	1.05	0.91	1.49	1.51	0.78	2.83	1.89
LOC104969177	3.68	0.01	0.34	0.27	0.78	0.34	2.40
LOC104970105	1.35	0.06	9.40	10.29	12.27	9.85	15.91
LOC104970173	-1.09	0.64	13.19	16.75	13.84	13.36	9.09
LOC104970365	1.77	0.23	0.46	0.69	0.26	1.13	1.26
LOC104971095	-1.11	0.99	1.95	1.10	0.00	0.57	1.26
LOC104971902	1.83	0.02	2.06	2.33	1.31	2.15	4.17
LOC104972346	3.13	0.00	0.69	0.69	0.91	1.59	2.15
LOC104972844	-1.16	0.64	3.33	3.84	5.48	5.55	3.91
LOC104972896	1.40	0.37	1.15	1.37	1.31	0.91	1.39
LOC104972995	1.74	0.06	4.93	2.33	2.61	4.76	9.47
LOC104973516	1.10	0.82	0.80	1.92	1.44	1.36	1.64
LOC104973517	1.36	0.12	6.77	6.31	6.14	8.83	8.21
LOC104973528	-1.31	0.26	10.32	6.18	10.31	11.44	5.56
LOC104973712	-1.87	0.03	3.67	2.75	3.00	4.53	1.39
LOC104973958	2.26	0.00	1.72	1.37	1.83	2.49	3.03
LOC104974020	-2.05	0.11	1.03	0.69	1.44	2.04	0.00
LOC104974214	-10.97	0.00	4.36	1.92	2.35	0.45	0.25
LOC104974256	-1.75	0.02	5.73	5.08	6.14	4.64	4.17

LOC104974432	-1.41	0.47	1.72	1.37	0.78	2.49	1.52
LOC104974441	1.18	0.45	5.16	6.18	7.31	7.36	8.71
LOC104974934	-1.08	0.95	4.47	1.92	3.39	1.70	2.53
LOC104974976	1.15	0.71	2.06	0.82	1.17	1.59	2.02
LOC104975176	1.53	0.31	4.13	2.61	4.44	4.19	6.19
LOC104975451	-1.52	0.35	4.24	9.47	2.74	2.15	2.40
LOC104975635	-1.11	0.58	16.51	15.65	20.10	15.85	16.54
LOC104975639	-3.92	0.00	2.06	0.82	1.70	2.15	0.25
LOC104975673	1.18	0.65	2.18	1.24	2.22	0.57	2.78
LOC104975686	-1.14	0.82	1.15	0.69	0.39	1.81	0.13
LOC104975843	1.43	0.04	6.31	5.63	7.18	6.57	9.72
LOC104976251	-2.28	0.01	6.77	4.39	2.61	7.36	1.52
LOC104976349	-5.27	0.00	540.69	453.22	629.88	428.06	58.59
LOC104976433	-1.27	0.47	2.41	1.78	2.09	2.26	1.26
LOC107131125	-1.17	0.67	7.22	3.16	4.83	6.34	3.66
LOC107131131	1.38	0.49	1.26	1.24	1.31	2.15	2.53
LOC107131133	1.12	0.68	5.05	5.22	5.09	5.44	4.92
LOC107131134	10.23	0.00	5.16	4.12	2.48	8.95	61.24
LOC107131137	1.11	0.61	9.98	11.67	10.18	12.80	14.27
LOC107131139	1.14	0.67	3.90	2.47	4.44	4.19	4.80
LOC107131148	1.79	0.02	2.87	2.88	2.35	3.62	4.92
LOC107131154	-1.94	0.10	1.15	1.65	1.31	1.02	0.51
LOC107131155	-1.13	0.42	77.18	81.94	78.33	72.02	69.45
LOC107131156	-4.96	0.00	242.54	190.37	277.54	185.95	26.14
LOC107131159	1.10	0.63	12.61	9.61	8.22	16.99	13.01
LOC107131160	1.38	0.02	19.15	20.31	18.02	21.97	28.79
LOC107131161	1.19	0.27	34.17	24.84	32.51	41.45	42.93
LOC107131162	1.73	0.13	2.64	2.47	1.04	2.49	5.30
LOC107131163	1.08	0.72	28.10	22.24	28.07	26.95	34.85
LOC107131164	1.65	0.39	0.92	1.24	0.65	1.13	0.76
LOC107131167	1.31	0.22	18.69	10.02	12.79	21.18	18.94
LOC107131168	2.85	0.00	136.00	150.02	126.89	190.81	401.53
LOC107131169	-1.62	0.00	145.18	148.51	134.07	195.46	77.53
LOC107131174	1.67	0.00	11.93	20.04	13.58	12.00	24.87
LOC107131176	-1.66	0.00	15.60	20.73	15.67	17.89	10.23
LOC107131177	2.00	0.00	14.91	9.88	7.31	19.36	40.15
LOC107131186	2.06	0.12	1.38	0.14	1.04	1.02	1.26
LOC107131188	-1.02	0.92	25.34	19.22	21.41	23.21	23.61
LOC107131193	7.97	0.00	0.57	0.14	0.00	0.11	2.65
LOC107131194	-5.90	0.00	10.44	10.57	13.19	9.51	1.14
LOC107131199	1.29	0.45	2.06	4.25	2.61	2.15	4.55
LOC107131202	-1.74	0.01	5.50	7.41	6.79	5.89	3.41
LOC107131204	268.63	0.00	0.11	0.55	0.13	0.11	57.07
LOC107131206	1.06	0.80	10.32	9.75	11.23	12.23	10.99
LOC107131207	1.57	0.09	2.18	2.06	3.26	1.93	3.54
LOC107131212	1.11	0.53	70.30	31.71	88.25	73.16	73.61
LOC107131213	1.39	0.53	1.49	1.37	1.17	2.15	1.64

LOC107131214	-1.66	0.00	213.75	223.18	227.41	206.78	102.40
LOC107131215	1.01	0.90	58.48	45.71	46.87	44.39	44.19
LOC107131219	1.30	0.23	7.34	4.39	4.96	4.42	6.19
LOC107131220	1.34	0.34	1.83	3.16	3.00	4.08	2.78
LOC107131223	1.15	0.50	15.60	9.61	25.06	8.15	23.36
LOC107131225	1.06	0.78	4.24	3.02	3.00	6.45	4.17
LOC107131229	-1.21	0.53	2.18	3.02	1.96	2.60	2.78
LOC107131230	1.19	0.78	0.69	1.37	1.44	1.36	1.77
LOC107131235	1.24	0.29	11.35	14.55	6.79	5.55	14.02
LOC107131238	-1.15	0.89	5.16	0.00	4.70	3.74	4.92
LOC107131241	1.45	0.04	7.57	5.63	6.79	6.00	7.95
LOC107131244	-1.57	0.12	2.75	3.02	2.35	2.83	1.26
LOC107131245	1.62	0.01	10.32	7.55	6.79	11.21	17.68
LOC107131247	1.95	0.89	0.69	1.92	3.39	0.57	0.13
LOC107131248	-1.45	0.00	68.46	61.90	64.75	65.34	38.26
LOC107131249	1.83	0.00	10.09	7.41	7.83	8.83	16.04
LOC107131251	-1.46	0.29	2.52	2.20	3.26	1.47	1.26
LOC107131257	3.53	0.00	0.34	0.55	0.78	1.13	1.26
LOC107131274	1.76	0.00	37.50	63.28	66.19	53.68	90.28
LOC107131286	1.30	0.34	1.26	5.35	3.92	5.44	4.29
LOC107131288	1.25	0.13	26.60	22.92	25.72	31.26	30.18
LOC107131289	1.00	0.98	1.49	2.88	2.48	1.81	1.01
LOC107131297	-1.05	0.93	1.95	1.65	1.57	1.13	1.64
LOC107131298	-1.06	0.98	4.70	5.90	2.74	10.98	3.79
LOC107131300	-1.20	0.67	1.49	1.78	0.91	2.04	1.14
LOC107131306	-1.07	0.89	1.26	0.96	1.04	1.70	1.26
LOC107131309	-1.43	0.31	1.72	3.02	3.13	1.93	1.77
LOC107131314	1.67	0.47	1.61	2.88	5.74	0.00	5.43
LOC107131323	10.22	0.00	0.00	0.14	0.13	0.23	1.64
LOC107131375	2.55	0.02	0.92	0.14	0.52	0.79	1.14
LOC107131388	2.03	0.06	1.26	0.69	2.48	1.59	2.65
LOC107131389	-2.64	0.00	3.67	2.88	4.44	2.94	1.39
LOC107131393	1.05	0.82	6.19	7.69	6.92	6.57	7.58
LOC107131422	-1.10	0.84	1.26	2.06	1.70	1.25	1.52
LOC107131423	1.13	0.76	1.95	1.92	2.09	1.93	2.27
LOC107131471	-1.54	0.14	3.21	2.75	3.26	3.51	3.41
LOC107131500	8.98	0.00	8.94	7.14	4.96	9.63	116.92
LOC107131516	1.65	0.16	1.83	0.41	1.44	1.81	2.02
LOC107131530	-1.51	0.07	20.64	24.29	10.70	18.23	13.26
LOC107131660	-1.29	0.17	27.29	16.88	26.76	25.93	16.04
LOC107131684	-1.15	0.59	7.57	4.53	5.74	6.79	7.32
LOC107131702	-1.31	0.47	1.49	2.20	2.61	1.25	1.01
LOC107131807	1.15	0.82	1.72	1.24	1.04	1.25	0.76
LOC107131813	-1.42	0.43	1.38	1.37	0.78	1.13	0.88
LOC107132008	1.37	0.21	4.36	3.84	3.39	3.62	5.81
LOC107132042	-1.84	0.33	1.61	0.14	0.78	1.36	0.63
LOC107132045	1.00	0.99	13.65	14.96	14.36	16.53	16.16

LOC107132274	1.14	0.74	2.06	1.37	1.70	2.04	2.40
LOC107132322	-4.10	0.00	87.50	92.51	96.73	80.97	15.03
LOC107132337	-1.47	0.03	16.40	11.80	14.88	12.57	8.46
LOC107132398	1.45	0.22	2.29	2.61	3.66	2.26	4.80
LOC107132421	-2.54	0.00	9.86	13.73	6.79	15.85	4.42
LOC107132426	1.28	0.54	1.61	0.27	0.78	0.79	1.14
LOC107132488	3.16	0.00	1.15	0.27	1.96	1.02	3.91
LOC107132515	-1.18	0.67	1.72	1.10	1.44	2.15	1.89
LOC107132605	-1.43	0.16	4.13	4.80	3.66	4.19	3.03
LOC107132669	1.03	0.91	1.38	0.41	1.70	1.25	1.26
LOC107132699	1.77	0.15	0.34	1.51	0.78	0.34	1.14
LOC107132709	-3.52	0.00	3.44	3.57	2.87	3.40	0.51
LOC107132738	1.41	0.41	1.72	0.96	2.09	0.79	2.02
LOC107132777	-1.34	0.15	9.98	7.55	9.27	7.81	5.93
LOC107132905	1.28	0.85	3.10	2.88	3.79	3.85	9.09
LOC107132952	-1.70	0.13	1.61	2.20	1.44	1.70	0.88
LOC107132958	-1.10	0.85	2.87	4.80	4.31	7.02	4.55
LOC107132964	7.20	0.00	0.11	0.82	0.26	0.57	3.16
LOC107132970	-1.10	0.94	2.29	1.65	0.39	2.38	2.02
LOC107132973	-1.19	0.73	2.06	1.10	1.70	1.02	1.26
LOC107132974	1.01	0.98	4.82	7.14	5.09	6.57	4.17
LOC107133001	1.14	0.70	2.18	1.10	0.52	3.51	2.90
LOC107133032	-1.12	0.60	12.27	9.20	11.23	9.63	8.84
LOC107133043	1.54	0.03	13.19	9.33	8.88	15.85	24.37
LOC107133070	-1.87	0.04	4.13	2.47	2.48	2.60	1.39
LOC107133141	2.56	0.00	1.15	0.96	1.04	1.70	2.40
LOC107133189	2.89	0.01	0.23	0.41	0.91	0.68	1.64
LOC107133210	1.59	0.01	245.40	315.55	224.93	231.47	418.20
LOC107133241	2.07	0.00	2.75	2.47	3.66	3.96	7.83
LOC107133246	1.09	0.83	0.80	1.78	0.78	1.81	1.64
LOC107133355	1.29	0.15	56.99	55.31	65.40	45.41	56.44
LOC107133363	-1.21	0.23	20.64	17.84	18.93	23.78	15.78
LOC107133385	1.27	0.37	3.67	4.39	3.13	2.72	4.80
LOC107133389	3.01	0.03	0.00	1.10	0.13	0.11	1.52
LOC107133393	-2.15	0.00	111.46	136.02	142.16	116.64	45.96
LOC107133403	-1.05	0.86	18.58	10.84	14.62	15.97	15.53
LOC107133404	1.18	0.72	42.54	82.90	63.05	40.54	57.45
LOC107133421	-1.12	0.87	3.55	4.25	1.44	4.64	3.79
LOC407163	-3.14	0.25	0.80	7.69	0.00	3.17	0.13
LOC504219	-1.04	0.82	44.61	44.47	52.74	46.20	43.69
LOC505383	-1.47	0.33	1.83	1.24	5.09	1.93	1.52
LOC505479	1.18	0.74	3.44	0.82	1.44	1.02	2.53
LOC505600	-1.98	0.01	8.37	4.53	9.40	5.44	3.54
LOC505918	1.34	0.05	12.73	17.57	18.41	17.33	22.48
LOC505972	-2.68	0.04	83.02	13.31	34.46	18.91	11.49
LOC506408	-1.14	0.60	29.70	15.51	25.33	27.97	18.18
LOC506495	1.57	0.01	6.65	9.20	8.49	10.76	14.77

LOC506823	-1.35	0.64	1.38	1.37	0.52	2.83	1.39
LOC506831	1.00	0.92	34.17	21.82	22.72	31.37	24.37
LOC506989	-1.04	0.98	14.22	24.16	1.44	14.61	15.40
LOC507443	-1.04	0.86	5.96	5.08	5.09	5.89	6.06
LOC507513	-2.54	0.02	2.06	1.65	1.83	1.25	0.25
LOC507581	-1.80	0.02	5.05	3.84	5.48	3.74	3.03
LOC507787	1.74	0.10	1.26	1.65	1.17	2.26	2.40
LOC508096	1.07	0.87	7.22	3.98	5.87	6.00	6.94
LOC508098	-2.02	0.46	3.10	36.10	4.96	7.59	1.52
LOC508131	1.20	0.26	17.32	14.69	21.02	21.86	22.73
LOC508153	5.74	0.00	0.34	0.00	0.26	0.11	0.38
LOC508455	-1.23	0.54	2.87	3.02	2.22	4.42	3.54
LOC508547	-1.49	0.01	359.73	369.08	310.18	388.20	209.48
LOC508834	-1.47	0.32	1.03	2.20	2.09	1.70	1.01
LOC508916	-1.95	0.11	1.38	2.20	1.31	0.91	0.76
LOC509006	1.97	0.00	20.07	8.65	26.37	27.29	34.34
LOC509184	-2.05	0.00	14.68	24.29	27.68	11.89	9.09
LOC509260	-1.06	0.82	4.59	6.18	4.83	6.79	3.54
LOC509283	5.48	0.00	16.51	7.96	7.96	13.93	108.46
LOC509618	1.73	0.14	1.03	0.55	0.91	1.13	1.39
LOC509804	-1.31	0.11	20.41	21.96	28.85	25.59	12.63
LOC509808	-1.00	0.85	7.34	9.20	3.92	15.06	6.19
LOC509810	-1.31	0.12	18.12	13.86	13.45	16.19	10.61
LOC509854	-2.16	0.40	3.10	0.27	0.13	2.72	1.39
LOC509946	-1.58	0.12	2.75	2.33	2.48	2.60	1.14
LOC510185	287.71	0.00	0.00	0.00	0.00	0.00	3.16
LOC510362	-1.03	0.91	10.44	8.92	12.53	9.74	10.61
LOC510369	4.60	0.00	0.11	0.14	0.39	0.57	1.39
LOC510536	-1.39	0.15	4.24	5.22	4.96	5.89	4.29
LOC510613	-1.33	0.28	6.08	6.31	4.05	7.25	5.05
LOC510798	1.33	0.35	3.21	5.08	12.14	10.98	11.24
LOC511138	1.06	0.85	2.52	4.12	3.92	3.96	3.79
LOC511220	1.70	0.00	48.05	36.51	35.77	42.24	80.56
LOC511229	1.14	0.60	6.19	2.88	3.92	5.44	5.05
LOC511497	2.30	0.00	8.14	11.67	7.83	9.17	32.58
LOC511531	10.54	0.00	0.23	0.14	0.00	0.79	2.27
LOC511713	-1.52	0.04	10.32	10.84	8.62	8.49	4.42
LOC511847	-1.19	0.62	2.41	1.78	2.48	1.93	1.39
LOC511919	1.00	0.96	10.44	11.53	11.10	9.06	13.13
LOC512005	-1.02	1.00	1.72	3.02	4.05	2.83	2.78
LOC512464	-1.46	0.06	14.79	10.43	19.19	12.46	9.22
LOC512672	1.40	0.10	7.57	5.90	12.53	11.78	13.64
LOC512684	1.57	0.04	12.38	10.16	14.88	20.27	30.81
LOC512800	1.51	0.01	11.81	9.61	9.14	12.57	17.30
LOC513111	1.18	0.52	3.67	3.16	4.44	3.17	4.55
LOC513508	-1.25	0.40	9.52	9.61	5.48	11.32	7.83
LOC513580	1.80	0.59	0.69	0.27	1.57	0.79	1.64

LOC514011	1.26	0.30	7.68	11.53	6.92	7.59	12.63
LOC514637	1.03	0.93	3.67	4.67	5.22	3.96	4.29
LOC515042	1.72	0.00	54.93	64.24	59.40	56.17	116.80
LOC515333	8.91	0.00	11.47	5.63	4.57	17.67	91.67
LOC515358	1.20	0.27	9.63	11.39	12.14	11.66	13.89
LOC515551	1.29	0.09	58.37	59.57	69.32	68.06	86.49
LOC515570	-1.28	0.14	249.76	279.73	313.70	216.07	230.94
LOC515578	-1.65	0.00	12.84	9.75	10.31	12.57	5.56
LOC515736	-1.04	0.87	5.73	7.82	6.27	6.57	6.44
LOC516108	1.33	0.16	11.70	16.75	14.10	12.80	22.98
LOC516355	-1.11	0.57	214.33	163.20	170.88	163.64	154.05
LOC516421	1.09	0.77	0.57	0.82	1.96	2.15	1.26
LOC516442	-3.70	0.02	1.15	0.14	1.31	1.25	0.00
LOC516494	-1.87	0.01	7.22	6.45	4.18	4.42	3.03
LOC517820	1.54	0.19	1.49	3.29	1.44	2.83	4.42
LOC518106	-3.86	0.00	1223.92	1915.14	1423.08	1192.45	321.86
LOC518495	8.69	0.00	0.23	0.82	0.39	0.34	1.77
LOC518612	1.20	0.54	2.18	4.39	5.35	4.53	5.05
LOC519309	1.07	0.77	5.85	6.59	4.57	5.78	6.31
LOC519654	1.39	0.91	0.57	0.55	1.04	1.13	2.40
LOC520104	1.15	0.73	1.61	1.24	1.83	2.26	2.65
LOC520336	2.58	0.05	1.15	0.00	1.04	0.57	1.39
LOC520518	1.07	0.85	2.29	3.98	4.57	3.40	2.78
LOC521207	-2.20	0.00	15.71	14.82	15.80	8.15	6.44
LOC521224	10.24	0.00	1.72	1.65	1.04	2.04	21.72
LOC522241	-1.05	0.83	12.16	10.98	9.01	10.42	10.23
LOC522449	1.13	0.69	6.31	3.02	3.52	3.06	5.93
LOC522763	1.43	0.30	2.29	1.10	1.70	1.47	1.77
LOC523126	1.39	0.47	0.69	0.82	0.13	1.25	0.88
LOC523461	-1.02	0.92	22.02	17.02	17.88	18.12	18.31
LOC523504	1.07	0.68	19.72	18.39	13.45	16.53	19.45
LOC524181	1.82	0.06	1.15	1.10	1.83	1.59	2.90
LOC524719	1.96	0.00	11.01	11.26	14.75	12.12	32.32
LOC525353	-1.46	0.31	2.87	3.29	3.00	1.36	1.64
LOC525426	-1.17	0.70	3.21	2.33	5.22	2.72	2.15
LOC525592	-2.24	0.05	2.64	2.88	2.87	0.79	1.01
LOC526041	1.12	0.79	1.83	3.16	2.61	3.06	3.54
LOC526847	-1.38	0.01	50.11	54.49	52.61	58.55	37.50
LOC526865	17.47	0.00	0.23	0.00	0.39	0.34	7.45
LOC527186	-1.15	0.55	6.77	6.86	9.40	8.72	7.95
LOC527397	-3.92	0.00	86.12	77.14	86.42	64.10	14.77
LOC527577	1.34	0.51	1.03	1.24	1.44	1.13	1.89
LOC527796	-1.15	0.58	13.99	7.69	13.58	10.98	10.61
LOC528098	1.68	0.05	7.11	5.08	4.83	5.44	8.46
LOC528802	-1.37	0.07	43.12	29.92	48.95	45.18	26.39
LOC529934	-2.24	0.01	7.91	3.29	5.22	3.85	2.90
LOC530102	-24.80	0.00	13.53	16.06	17.23	13.48	0.51

LOC530348	-1.11	0.59	80.50	70.28	56.66	84.25	81.19
LOC530973	-1.32	0.18	9.29	7.96	11.75	7.47	6.69
LOC531038	-1.20	0.65	5.85	2.47	3.79	5.66	4.04
LOC531059	-1.13	0.58	35.55	21.27	32.24	13.59	17.05
LOC531467	-1.21	0.69	1.95	0.69	1.04	1.36	1.14
LOC531691	1.28	0.20	11.35	8.65	9.66	9.40	16.41
LOC531747	-2.48	0.00	20.87	17.29	21.41	20.16	7.07
LOC531974	1.49	0.01	51.03	50.65	43.08	70.44	75.00
LOC532875	-1.07	0.72	11.81	10.71	11.10	12.12	13.51
LOC533085	-3.12	0.00	1.72	2.06	1.83	1.36	0.88
LOC533307	-3.00	0.00	208.71	268.20	242.82	166.01	46.85
LOC533821	-4.60	0.00	4.36	2.75	3.13	1.59	0.25
LOC533850	1.03	0.94	10.32	10.84	9.53	10.31	8.71
LOC533921	-1.60	0.09	3.33	3.98	3.79	3.40	2.53
LOC534155	1.74	0.04	2.06	1.78	1.96	2.26	4.17
LOC534578	76.00	0.00	2.52	2.61	0.52	5.10	274.38
LOC534630	1.07	0.83	2.06	0.96	2.09	0.91	1.64
LOC534742	-1.27	0.10	56.53	74.39	67.36	71.68	48.87
LOC534832	-1.28	0.14	94.95	108.30	104.96	86.06	89.78
LOC534913	1.22	0.24	15.02	18.12	17.36	15.74	24.75
LOC535280	6.23	0.00	7.34	7.55	5.48	17.33	81.06
LOC535297	-1.70	0.00	296.78	207.39	251.56	307.00	151.14
LOC536097	2.50	0.04	1.49	0.82	2.22	1.47	6.69
LOC536342	-7.64	0.00	0.69	1.37	3.13	1.47	0.13
LOC537580	-1.47	0.11	5.62	4.67	4.83	5.44	4.42
LOC538493	1.52	0.01	50.80	40.08	41.64	64.21	70.96
LOC538679	3.22	0.00	0.69	0.27	0.39	0.45	1.77
LOC538686	1.06	0.76	10.78	10.29	7.18	9.29	9.85
LOC539110	-1.70	0.00	28.67	26.77	37.99	30.01	17.42
LOC539166	-1.21	0.23	16.63	16.20	16.06	16.87	14.02
LOC539238	-1.19	0.36	198.73	204.79	289.29	219.80	271.60
LOC539274	1.95	0.08	2.75	1.78	2.61	1.59	5.18
LOC539380	-1.05	0.79	29.24	29.78	31.46	28.54	30.68
LOC539533	-1.51	0.00	114.90	88.39	102.09	116.64	73.99
LOC539805	2.34	0.00	8.26	12.22	8.75	11.89	30.43
LOC540014	1.08	0.70	15.02	15.24	17.36	13.36	13.89
LOC540197	1.17	0.48	275.79	193.81	219.06	220.37	288.77
LOC540312	-2.21	0.00	60.09	38.29	57.57	53.22	25.25
LOC540981	1.16	0.52	26.49	28.27	24.41	24.35	32.07
LOC541220	1.24	0.16	19.27	21.00	18.41	18.91	24.87
LOC574091	-1.36	0.08	20.53	20.45	18.41	13.36	12.88
LOC613365	-2.52	0.02	1.83	1.51	1.17	1.13	0.51
LOC613401	1.08	0.86	1.95	2.33	2.35	0.91	2.02
LOC613444	1.11	0.70	5.62	4.94	4.70	5.10	6.06
LOC613515	1.33	0.21	4.01	3.71	7.18	6.79	6.06
LOC614269	-3.05	0.00	1.83	4.53	3.52	2.72	0.13
LOC614376	-1.41	0.07	7.57	7.55	8.35	8.61	5.18

LOC614522	1.17	0.37	100.11	91.69	76.24	127.17	121.97
LOC614614	1.47	0.21	2.41	0.69	2.35	1.25	2.78
LOC614705	-1.73	0.04	7.57	3.71	5.48	4.87	3.54
LOC614821	-2.23	0.01	24.77	8.92	10.84	7.81	5.18
LOC615055	1.86	0.05	0.69	1.92	1.44	1.25	2.53
LOC615223	-4.97	0.04	8.83	1.65	0.91	1.13	0.88
LOC615278	1.19	0.30	14.22	15.65	19.19	16.87	22.22
LOC615514	-2.04	0.03	2.87	4.25	5.22	2.49	1.14
LOC615559	10.13	0.00	0.23	0.69	1.57	0.23	8.97
LOC615792	-1.22	0.18	34.40	42.55	47.00	39.64	33.21
LOC615809	-1.16	0.47	8.94	8.37	8.75	7.47	7.07
LOC615899	-1.88	0.04	2.18	2.33	3.00	3.62	1.39
LOC615989	-1.37	0.30	9.75	5.90	4.83	10.42	5.18
LOC616014	-1.07	0.78	7.91	6.04	6.79	7.13	6.82
LOC616063	3.43	0.04	0.11	0.14	0.91	0.68	1.77
LOC616094	1.17	0.63	4.82	3.57	2.61	4.64	6.44
LOC616111	-1.56	0.00	35.78	36.78	37.08	48.02	20.33
LOC616200	1.10	0.57	32.22	63.28	55.87	45.30	43.44
LOC616254	25.41	0.00	0.34	0.14	0.39	0.23	22.73
LOC616427	1.02	0.95	0.69	0.41	1.44	1.25	1.26
LOC616656	1.45	0.40	1.26	0.55	0.00	1.81	0.63
LOC616883	-1.15	0.53	7.91	6.86	8.62	6.91	5.18
LOC616903	-1.25	0.17	91.51	81.67	86.29	110.53	63.51
LOC616942	2.90	0.00	0.23	2.33	1.04	1.36	3.91
LOC616948	1.21	0.53	11.70	6.59	6.92	9.63	12.00
LOC617406	-1.01	0.98	1.61	3.98	2.35	3.06	3.16
LOC617475	-1.22	0.38	5.50	6.04	6.14	5.66	4.42
LOC617499	1.17	0.74	0.69	0.55	1.17	0.79	0.76
LOC617648	1.08	0.72	10.89	7.14	6.66	8.95	9.47
LOC617696	-1.29	0.93	7.22	0.96	1.31	1.70	1.89
LOC617833	8.59	0.00	0.92	3.84	0.78	5.44	15.91
LOC618256	3.82	0.00	0.92	0.82	1.04	1.02	4.80
LOC618289	1.29	0.49	1.26	2.06	0.91	1.70	1.39
LOC618456	1.71	0.02	3.44	2.47	3.13	4.76	6.94
LOC618733	3.49	0.00	2.75	4.80	2.87	4.08	12.88
LOC618737	5.26	0.00	1.38	0.41	0.39	0.45	3.16
LOC618787	2.03	0.03	1.83	0.55	0.91	0.91	2.65
LOC618939	-1.31	0.43	2.98	3.16	1.83	2.26	2.27
LOC618976	-1.41	0.38	2.75	3.29	2.09	1.36	1.77
LOC780968	1.05	0.84	11.93	14.55	12.53	13.93	15.53
LOC781001	-1.27	0.50	1.49	2.20	2.74	2.60	1.77
LOC781261	-2.06	0.15	1.15	1.10	0.39	1.25	0.13
LOC781304	-1.13	0.76	6.54	3.98	7.83	11.55	4.17
LOC782101	-1.05	0.91	1.26	0.96	1.57	2.15	1.26
LOC782145	-1.05	0.85	11.01	8.51	6.53	7.93	10.99
LOC782270	1.07	0.58	0.11	3.29	0.13	4.08	2.27
LOC782348	-1.01	0.93	1.15	1.65	1.70	1.59	1.77

LOC782456	1.00	0.97	2.64	0.69	2.74	1.36	2.78
LOC782475	-1.16	0.76	1.03	0.82	1.44	1.93	1.39
LOC782966	-1.88	0.01	7.00	3.57	5.09	5.44	3.79
LOC783002	-5.20	0.00	23.28	16.75	20.23	14.83	1.64
LOC783161	-1.32	0.37	6.54	4.80	3.52	3.51	4.04
LOC783202	-1.24	0.44	5.39	8.37	4.96	5.32	3.66
LOC783497	-1.49	0.42	1.49	1.24	0.52	1.93	0.63
LOC783540	1.02	0.93	9.75	9.20	13.32	8.27	8.08
LOC783588	-1.38	0.65	1.95	0.27	2.35	2.15	1.39
LOC783680	3.99	0.00	51.37	27.18	39.03	35.33	178.16
LOC783730	-1.43	0.07	7.22	9.20	8.88	6.91	5.43
LOC783891	1.13	0.77	2.64	5.22	5.48	2.26	2.40
LOC784541	2.65	0.00	8.37	5.76	14.23	11.66	24.62
LOC784866	1.27	0.19	9.06	9.33	7.57	10.76	12.00
LOC785408	1.33	0.64	2.18	1.92	1.70	2.26	3.91
LOC785630	1.95	0.00	13.99	7.69	9.14	15.85	25.38
LOC785867	1.59	0.01	6.77	6.59	8.62	10.19	11.62
LOC785873	-1.01	0.97	23.39	22.92	18.54	20.38	21.72
LOC786224	1.64	0.47	1.38	0.27	1.31	1.13	0.76
LOC786258	-1.22	0.51	2.52	3.57	3.13	2.49	2.53
LOC786352	23.50	0.00	0.00	0.00	0.00	0.34	3.03
LOC786474	-1.66	0.23	2.29	3.16	1.04	1.59	1.14
LOC786512	1.50	0.22	2.06	0.27	2.09	2.38	2.90
LOC786553	1.13	0.91	1.38	0.82	1.31	1.02	1.77
LOC786798	1.23	0.67	0.57	0.96	0.52	1.36	1.39
LOC786914	1.06	0.88	2.64	2.06	2.22	2.15	2.15
LOC786928	-3.89	0.01	2.98	1.10	2.61	0.57	0.13
LOC786966	1.47	0.01	429.11	548.89	366.83	450.93	663.16
LOC786974	1.59	0.37	1.03	1.24	1.44	0.91	1.14
LOC787057	1.30	0.26	4.24	4.12	5.74	3.96	4.80
LOC787074	-1.06	0.72	59.40	38.71	58.75	50.17	55.68
LOC787102	1.51	0.20	1.72	0.96	2.22	1.70	2.90
LOC787244	1.15	0.48	12.73	9.47	11.49	10.98	15.53
LOC787269	-1.04	0.98	5.62	8.92	7.05	15.85	6.31
LOC787287	1.05	0.86	6.88	7.96	9.01	7.81	10.48
LOC787309	-1.43	0.52	2.29	1.37	2.74	0.68	1.01
LOC787397	-1.34	0.25	9.63	6.31	9.66	5.66	6.69
LOC787554	1.29	0.08	29.93	24.57	27.94	27.40	35.99
LOC787679	1.24	0.43	4.01	2.61	1.70	2.83	3.28
LOC788205	-3.15	0.00	57.91	58.88	72.06	47.79	13.13
LOC788425	1.98	0.01	2.64	2.75	3.26	4.08	3.91
LOC788599	-1.02	0.94	6.77	4.39	5.35	7.13	6.06
LOC788637	1.47	0.23	2.06	2.61	3.39	2.38	4.17
LOC788928	1.29	0.40	2.64	2.20	1.57	2.94	3.41
LOC789034	-1.48	0.48	1.61	0.55	2.61	1.13	0.51
LOC789119	1.12	0.69	7.68	10.84	10.44	8.38	9.98
LOC789347	1.00	0.93	3.21	3.02	1.17	2.60	2.27

LOC789454	1.23	0.47	7.57	6.04	4.18	8.15	4.92
LOC789494	1.22	0.49	2.87	2.47	2.87	3.40	3.28
LOC789715	-1.17	0.51	7.34	4.39	10.05	7.70	5.05
LOC789960	-1.18	0.46	10.32	7.69	7.57	10.08	8.84
LOC789989	-1.09	0.64	13.76	14.14	14.49	11.66	12.00
LOC789996	-1.30	0.11	15.25	13.18	16.45	13.48	10.61
LOC790009	1.45	0.05	6.19	6.18	4.83	4.87	8.33
LOC790271	1.12	0.62	8.83	4.25	5.09	7.59	6.06
LOC790278	-1.99	0.51	39.68	0.27	44.52	26.27	17.80
LOC790312	2.96	0.20	0.69	0.55	0.00	1.36	1.52
LOC790396	-1.32	0.33	3.90	5.08	3.79	3.62	3.66
LONP1	1.19	0.29	31.54	62.18	47.39	38.05	44.57
LONP2	1.81	0.00	31.31	27.45	30.29	33.18	64.02
LONRF1	-1.00	0.98	28.78	26.35	21.67	31.71	24.87
LONRF3	2.17	0.02	0.92	1.51	3.52	1.36	5.56
LOX	-2.33	0.00	208.48	187.22	290.46	145.40	121.47
LOXL1	-2.89	0.00	25.57	19.35	16.19	42.81	6.44
LOXL2	-1.63	0.04	447.12	392.28	695.29	273.82	328.93
LOXL3	1.11	0.66	266.39	212.06	289.16	194.10	315.54
LOXL4	-7.12	0.00	13.07	8.92	14.75	6.34	0.63
LPAR1	-1.20	0.27	54.24	65.47	50.39	68.85	38.89
LPAR2	1.26	0.40	3.21	4.25	4.83	3.51	4.42
LPAR3	27.78	0.00	2.87	1.37	1.04	3.17	77.65
LPAR4	-2.56	0.00	146.90	146.86	186.16	139.63	29.17
LPAR5	-1.46	0.36	2.18	1.78	3.39	1.25	1.01
LPCAT1	-2.00	0.00	126.03	140.69	123.10	109.51	48.23
LPCAT2	-2.33	0.00	6.19	5.22	7.83	6.00	2.90
LPCAT3	1.06	0.78	30.73	33.49	28.07	21.40	33.46
LPCAT4	1.01	0.97	32.22	33.90	27.94	32.95	27.53
LPGAT1	1.51	0.00	13.07	18.12	13.32	15.06	20.83
LPIN1	1.42	0.01	16.97	15.92	15.53	16.31	20.20
LPIN2	-1.16	0.34	97.93	103.35	119.19	101.13	81.19
LPIN3	-1.07	0.78	10.89	9.75	9.66	8.38	9.47
LPL_1	-3.64	0.00	5.73	2.61	3.00	2.49	1.01
LPL_2	-3.62	0.00	59.06	34.59	60.57	18.57	10.86
LPP	1.40	0.07	7.68	10.02	8.22	10.42	14.39
LRAT	1.29	0.58	1.15	1.65	0.65	1.70	1.14
LRBA	-1.25	0.46	96.67	164.16	62.40	111.88	65.79
LRCH1	1.80	0.00	25.92	17.43	21.02	22.42	47.73
LRCH3	-1.39	0.24	223.84	93.20	95.82	126.83	130.18
LRCH4	-1.41	0.14	19.72	12.08	13.58	9.29	10.86
LRFN1	-1.60	0.18	2.52	1.78	3.79	2.04	1.26
LRFN3	1.77	0.00	6.31	8.10	7.05	5.78	10.99
LRIF1	1.16	0.30	33.14	30.88	35.51	35.56	36.62
LRIG1	-2.24	0.00	125.22	76.45	103.52	112.79	39.52
LRIG2	-1.36	0.02	44.72	36.92	44.12	49.83	30.43
LRIG3	-3.23	0.00	352.05	380.34	130.81	282.20	120.08

LRP1	1.69	0.00	1886.28	1318.07	2010.54	1868.40	3127.02
LRP10	3.18	0.00	46.33	60.67	36.68	58.55	187.26
LRP11	-2.03	0.00	67.89	54.90	48.04	88.10	23.36
LRP12	-1.44	0.01	25.34	28.69	20.37	25.03	15.91
LRP2BP	1.10	0.72	4.82	3.43	4.18	3.85	5.05
LRP3	-3.35	0.00	43.81	52.57	44.26	35.90	10.10
LRP4	1.89	0.00	5.39	5.63	6.14	12.00	15.78
LRP5L	-1.11	0.54	41.17	47.22	34.46	48.58	37.00
LRP6	1.13	0.45	258.82	216.59	232.37	290.02	315.04
LRP8	-1.63	0.00	108.02	80.02	88.25	80.29	64.14
LRPAP1	1.11	0.56	15.14	21.55	18.80	18.46	22.85
LRPPRC	1.59	0.00	24.88	19.63	22.45	24.91	39.77
LRR1	-1.32	0.34	2.87	3.43	3.52	2.60	1.64
LRRC1	-1.03	0.86	32.80	47.22	48.56	48.02	31.82
LRRC14	1.09	0.70	8.83	4.39	7.05	7.36	7.20
LRRC16A	1.11	0.49	55.73	35.96	31.72	53.11	47.10
LRRC17	-9.52	0.00	3.10	1.65	1.83	3.51	0.00
LRRC20	2.24	0.00	1.72	1.37	1.04	0.91	2.65
LRRC24	1.02	0.93	7.11	9.20	9.01	9.17	8.08
LRRC27	2.17	0.03	1.26	2.06	1.04	1.81	3.54
LRRC28	1.16	0.37	22.71	27.18	22.85	23.55	32.07
LRRC3	2.97	0.00	2.52	4.39	4.31	2.04	10.23
LRRC34	-1.04	0.92	6.42	3.84	7.70	6.79	7.45
LRRC38	27.55	0.00	0.00	0.55	0.00	1.02	13.26
LRRC40	-1.20	0.21	28.55	30.33	27.41	29.10	21.09
LRRC41	-1.42	0.01	82.91	66.98	73.50	69.42	45.08
LRRC42	-1.43	0.04	37.61	29.78	40.21	30.24	22.60
LRRC45	-1.32	0.29	7.00	4.94	4.44	7.25	3.91
LRRC47	-1.10	0.54	28.90	32.53	30.42	28.20	25.63
LRRC49	1.14	0.59	5.50	7.27	4.44	6.79	6.94
LRRC51	-1.17	0.69	2.18	1.51	2.61	1.59	1.89
LRRC55	-3.11	0.00	1.83	1.51	2.22	3.51	0.38
LRRC56	1.33	0.34	1.15	2.06	1.83	2.94	2.78
LRRC57	-1.02	0.94	9.29	7.69	10.70	8.38	7.58
LRRC58	-1.28	0.16	17.66	14.00	18.54	22.08	12.50
LRRC59	-3.09	0.00	285.77	255.43	289.42	170.88	64.52
LRRC6	-1.30	0.43	5.39	3.43	3.52	2.72	2.27
LRRC61	1.28	0.31	5.96	9.33	6.40	8.61	8.08
LRRC63	5.90	0.00	0.11	0.27	0.13	0.57	2.65
LRRC66	1.03	0.99	2.18	1.10	2.09	1.59	2.78
LRRC69	-1.02	0.99	3.10	0.96	1.17	2.26	3.16
LRRC73	1.03	0.93	1.95	1.37	1.44	1.13	1.39
LRRC75A	-1.71	0.07	2.52	3.71	5.61	3.96	3.03
LRRC8A	1.33	0.05	41.28	41.73	33.03	36.69	53.54
LRRC8B	-1.40	0.38	3.55	1.92	3.92	1.70	2.53
LRRC8C	-1.01	0.93	30.96	41.31	31.98	40.09	31.19
LRRC8D	5.63	0.00	29.59	41.73	25.59	36.01	331.33

LRRC8E	2.68	0.00	4.36	5.90	3.66	3.96	14.90
LRRCC1	-1.38	0.04	83.48	67.94	82.11	70.21	38.01
LRRFIP1	1.64	0.05	3.90	3.98	4.18	7.36	5.18
LRRFIP2	-1.02	0.91	24.77	27.31	23.50	22.88	29.17
LRRK1	-1.22	0.20	25.46	29.37	26.24	32.27	21.59
LRRK2	1.15	0.49	46.44	32.53	42.95	40.88	55.43
LRRN1	-1.40	0.07	435.42	508.81	329.50	438.14	207.96
LRRN2	1.54	0.03	10.32	6.04	6.53	10.98	14.77
LRRN3	1.34	0.80	3.21	4.80	0.91	2.38	5.18
LRRN4CL	1.57	0.01	15.37	11.53	12.53	16.42	17.42
LRRTM4	-10.32	0.00	14.79	9.33	19.06	2.15	1.14
LRSAM1	1.28	0.15	8.26	8.51	7.57	8.49	10.73
LRWD1	1.41	0.04	15.25	11.80	16.32	16.76	17.55
LSAMP	-1.57	0.07	63.64	43.37	67.75	26.16	42.17
LSG1	1.07	0.73	30.96	25.26	25.98	23.67	32.96
LSM1	1.10	0.63	11.35	9.33	9.66	8.72	11.24
LSM10	1.13	0.78	3.78	4.67	3.66	4.30	6.19
LSM11	1.46	0.05	5.85	4.94	7.31	6.45	8.59
LSM12	-1.08	0.69	31.19	37.88	42.43	31.93	37.75
LSM14A	-1.08	0.79	295.98	239.79	177.41	138.50	159.86
LSM14B	-1.15	0.34	62.38	69.04	63.31	63.42	54.93
LSM2	-1.37	0.06	20.30	21.14	14.75	17.33	14.90
LSM3	-1.36	0.05	19.15	17.84	19.32	18.69	13.51
LSM4	-1.45	0.02	22.93	22.92	22.06	18.01	15.40
LSM5	-1.07	0.70	20.76	22.92	19.32	21.52	18.06
LSM6	-1.14	0.42	23.85	25.94	23.24	21.63	22.98
LSM7	-1.28	0.31	9.75	14.14	7.44	8.83	7.70
LSM8	1.07	0.72	10.32	16.20	14.10	10.98	14.39
LSP1	-1.33	0.11	49.31	47.08	44.39	62.74	24.62
LSR	1.33	0.42	2.98	2.20	3.00	1.25	4.92
LSS	-1.09	0.58	33.60	30.06	34.46	31.14	33.21
LTA4H	1.05	0.81	18.23	14.96	20.63	18.57	15.66
LTB	1.35	0.49	5.39	2.61	4.83	2.83	9.22
LTB4R	1.29	0.45	1.38	2.20	3.79	2.94	3.66
LTB4R2	-1.37	0.33	2.52	3.43	5.35	4.19	1.77
LTBP1	6.81	0.00	97.24	92.65	146.99	115.51	781.47
LTBP2	9.75	0.00	60.66	63.55	38.64	107.01	751.67
LTBP3	-1.15	0.38	394.82	453.08	452.60	428.17	336.13
LTBP4	1.43	0.05	90.48	92.37	75.46	154.35	119.83
LTBR	1.79	0.00	28.21	28.82	22.06	28.76	51.90
LTf	301.90	0.00	0.57	0.41	0.39	0.00	259.10
LTN1	1.09	0.59	28.10	27.18	27.15	27.40	29.67
LTv1	1.00	0.96	20.99	13.59	16.71	16.53	15.91
LUC7L	-1.09	0.64	73.16	54.35	69.58	70.44	60.23
LUC7L3	-1.10	0.59	102.06	88.81	107.18	114.94	75.26
LUM	1.48	0.07	365.81	249.94	176.11	224.79	243.32
LURAP1	1.52	0.24	3.10	1.10	4.18	3.51	6.57

LURAP1L	1.18	0.66	1.95	2.20	1.31	2.49	1.52
LUZP1	1.32	0.11	17.55	16.33	15.67	14.83	24.12
LUZP6	-1.04	0.87	37.04	39.26	57.83	45.98	39.65
LXN	1.17	0.79	1.95	2.47	1.70	2.26	3.28
LY6E	-1.23	0.67	2.41	8.10	6.79	4.53	3.41
LY6G5B	1.25	0.36	5.85	3.16	3.92	3.17	5.05
LY96	2.77	0.07	0.34	0.00	0.52	0.68	1.39
LYAR	-1.43	0.02	13.53	13.04	14.23	11.10	9.34
LYN	58.29	0.00	0.46	0.55	0.52	0.79	44.45
LYPD6	3.34	0.00	1.15	0.41	0.78	0.57	2.90
LYPLA1	1.28	0.07	31.88	36.65	31.85	31.37	44.32
LYPLA2	1.36	0.04	20.76	21.96	15.14	15.97	25.63
LYPLAL1	1.31	0.13	12.16	10.16	16.19	10.53	15.91
LYRM1	1.20	0.54	3.10	1.92	2.09	3.62	2.90
LYRM2	-1.44	0.17	5.28	6.73	5.35	3.40	3.41
LYRM4	1.18	0.46	6.65	10.29	6.53	6.91	10.99
LYRM5	1.02	0.93	6.88	8.24	10.05	10.53	7.45
LYRM7	-1.33	0.61	2.87	0.82	2.87	1.47	1.77
LYRM9	-1.07	0.83	3.90	6.31	6.53	6.23	4.42
LYSMD1	-1.28	0.18	9.86	11.39	11.62	8.83	8.33
LYSMD3	-1.30	0.10	18.23	15.10	19.71	17.55	11.11
LYSMD4	-1.24	0.25	10.32	10.71	9.27	11.55	6.82
LYST	1.21	0.28	33.94	34.86	26.11	36.69	46.47
LZIC	1.14	0.45	10.55	12.90	12.40	14.72	14.52
LZTFL1	-1.93	0.00	51.49	46.67	43.34	47.34	18.44
LZTR1	-1.14	0.46	14.68	14.14	14.49	17.21	10.48
LZTS2	1.42	0.00	41.74	42.28	46.74	43.26	62.63
M1AP	1.50	0.29	3.21	0.96	1.83	3.51	5.68
M6PR	1.27	0.08	49.31	57.37	52.22	55.83	70.46
MAATS1	2.15	0.01	0.92	1.24	1.44	1.81	2.40
MACC1	62.55	0.00	0.00	0.14	0.26	0.00	4.42
MACF1	1.04	0.84	338.06	299.08	269.45	357.40	373.63
MACROD1	1.46	0.08	4.70	7.96	4.96	4.53	7.07
MAD1L1	-1.18	0.51	8.94	13.45	8.88	15.40	9.09
MAD2L1	-2.71	0.00	30.50	35.00	31.59	25.59	6.82
MAD2L1BP	-1.63	0.01	9.52	10.29	7.96	7.93	4.92
MAD2L2	1.27	0.51	3.78	3.16	3.13	3.06	6.44
MADD	1.31	0.10	22.59	18.39	15.67	25.25	22.35
MAEA	1.27	0.10	31.65	28.69	22.98	30.46	38.39
MAF	-1.03	0.77	4.93	7.27	6.27	6.23	3.03
MAF1	1.69	0.00	18.46	23.88	15.67	19.14	34.47
MAFB	2.32	0.00	5.73	3.16	7.83	5.10	10.99
MAFF	8.01	0.00	2.75	2.33	1.70	5.10	39.77
MAFG	2.00	0.00	5.85	6.86	8.75	9.74	19.32
MAFK	1.47	0.12	4.82	3.71	4.44	2.83	7.32
MAGED1	-2.34	0.00	470.97	519.52	516.70	446.63	149.37
MAGED2	1.00	0.99	75.80	82.77	61.88	66.36	83.59

MAGED4B	-1.63	0.00	254.58	277.81	244.12	255.93	129.17
MAGEE2	-3.02	0.00	13.99	11.80	16.58	8.83	3.16
MAGEF1	-2.53	0.00	87.04	59.02	74.15	50.73	18.69
MAGEH1	-1.39	0.11	34.06	23.20	46.47	32.05	21.21
MAGEL2	-2.64	0.00	46.79	37.88	32.38	29.22	10.73
MAGI1	1.85	0.09	3.90	3.02	3.66	3.40	10.99
MAGI2	-1.37	0.17	12.38	6.86	9.53	13.25	8.21
MAGI3	-1.06	0.76	18.81	15.65	20.10	20.27	17.93
MAGOH	-1.47	0.03	22.02	13.86	15.93	14.95	9.98
MAGOHB	-2.59	0.00	20.53	19.76	18.15	18.01	6.06
MAGT1	1.01	0.97	88.30	77.96	83.16	92.07	83.21
MAK16	1.31	0.15	7.22	6.59	5.74	7.59	8.71
MAL	5.87	0.00	0.23	0.14	0.26	0.11	1.39
MAL2	5.84	0.00	0.57	0.14	0.39	0.68	3.54
MALL	1.82	0.00	67.08	67.80	47.91	84.37	107.58
MALSU1	-1.37	0.25	6.77	7.27	6.79	3.74	5.43
MALT1	1.44	0.12	9.29	6.04	9.53	10.98	16.54
MAMDC2	1.23	0.36	3.33	8.24	3.66	5.66	6.06
MAMDC4	1.30	0.48	1.61	1.10	1.17	1.47	1.52
MAML1	1.21	0.22	21.90	22.37	21.28	25.82	29.17
MAML2	1.21	0.17	63.42	58.33	64.23	61.26	73.49
MAML3	1.27	0.38	5.73	2.20	4.83	4.19	4.29
MAMLD1	-4.58	0.00	15.94	17.71	12.53	10.98	2.02
MAMSTR	-2.87	0.00	17.32	21.69	18.54	15.06	4.92
MAN1A1	1.82	0.00	92.08	89.90	100.78	154.12	220.59
MAN1A2	1.61	0.00	23.85	22.65	19.84	22.99	37.00
MAN1B1_1	-1.69	0.13	1.72	3.16	2.35	1.70	2.27
MAN1B1_2	1.17	0.73	1.15	0.41	0.78	0.45	0.63
MAN1C1	3.82	0.00	8.83	7.14	7.18	12.68	37.50
MAN2A1	-2.61	0.00	366.50	421.51	293.73	365.32	96.72
MAN2A2	1.06	0.71	106.30	69.73	63.97	90.59	91.04
MAN2B1	1.28	0.10	160.32	178.57	163.57	151.41	217.81
MAN2C1	1.59	0.00	19.72	15.65	19.71	23.78	31.82
MANBA	-1.09	0.73	20.76	15.78	25.46	16.53	18.18
MANBAL	-1.00	0.99	15.14	17.84	17.62	15.85	15.28
MANEA	-1.58	0.00	22.93	25.67	26.24	16.53	16.29
MANEAL	-1.20	0.46	9.75	7.14	5.74	7.13	8.08
MANF	-1.25	0.18	43.58	56.28	48.43	38.16	47.48
MANSC1	1.15	0.46	39.45	48.86	39.29	50.73	54.30
MANSC4	1.25	0.54	1.15	1.65	1.31	2.26	2.53
MAOA	1.27	0.60	2.18	1.92	2.35	4.08	1.52
MAP10	1.08	0.76	4.59	4.12	4.57	6.12	5.05
MAP1A	2.36	0.00	33.83	40.90	30.29	36.12	127.15
MAP1B	-9.37	0.00	710.64	751.21	1038.62	478.90	58.97
MAP1LC3A	1.44	0.06	35.21	62.04	29.63	51.98	61.49
MAP1LC3B	1.46	0.00	23.39	20.18	22.58	16.99	30.68
MAP1LC3C	3.01	0.00	0.69	0.41	1.31	0.91	2.78

MAP1S	-1.37	0.15	11.12	13.18	10.57	7.36	6.06
MAP2	1.12	0.62	48.28	36.51	56.40	70.32	75.38
MAP2K1	1.12	0.60	14.45	19.90	16.45	20.84	16.29
MAP2K2	-1.09	0.60	44.95	52.57	51.96	45.98	52.02
MAP2K3	1.18	0.28	34.29	40.77	31.59	29.78	45.58
MAP2K4	-1.30	0.07	55.04	54.22	46.60	62.51	43.44
MAP2K5	1.35	0.11	7.91	7.96	7.05	9.06	10.86
MAP2K6	-6.17	0.00	13.42	17.84	16.45	11.78	0.76
MAP2K7	-1.06	0.75	30.96	31.57	30.29	26.39	30.05
MAP3K1	-1.47	0.35	1.72	1.65	1.44	0.79	1.39
MAP3K10	1.63	0.01	35.66	31.57	26.89	30.24	72.73
MAP3K11	1.21	0.31	10.09	9.06	14.62	11.44	13.51
MAP3K12	1.17	0.38	30.27	21.55	19.71	25.14	32.32
MAP3K13	1.01	0.99	4.82	6.18	7.18	5.32	7.32
MAP3K14	2.80	0.00	5.50	4.53	3.92	6.68	17.05
MAP3K2	1.53	0.00	65.94	66.84	64.75	84.82	110.23
MAP3K3	-1.76	0.00	115.13	88.53	112.40	69.30	55.05
MAP3K4	-1.00	0.98	43.00	38.43	39.29	44.50	44.83
MAP3K5	2.62	0.00	27.64	29.24	37.21	47.45	113.89
MAP3K6	3.39	0.00	2.18	0.96	1.57	1.93	5.93
MAP3K7	1.01	0.96	44.04	39.80	43.99	42.69	41.16
MAP3K8	38.11	0.00	1.61	0.69	0.65	1.47	59.85
MAP4	1.13	0.49	305.03	433.73	313.70	307.57	430.19
MAP4K2	-1.42	0.12	7.11	6.04	7.18	5.78	3.54
MAP4K3	1.07	0.70	43.58	39.39	49.22	43.15	54.67
MAP4K4	-1.21	0.21	312.26	316.10	291.12	328.86	222.61
MAP4K5	-1.33	0.03	54.59	63.00	62.53	51.19	40.15
MAP6D1	-2.40	0.00	22.82	12.49	15.14	7.36	7.07
MAP7	-1.57	0.06	16.28	28.96	13.19	14.61	9.72
MAP7D1	-1.05	0.78	38.53	42.82	37.47	34.77	40.78
MAP7D3	1.16	0.38	48.97	60.94	54.57	80.63	69.45
MAP9	-1.27	0.19	9.75	10.71	11.88	9.40	7.58
MAPK1	-1.07	0.72	33.60	43.24	41.91	34.65	36.37
MAPK10	-1.38	0.37	2.75	1.65	2.48	3.85	1.52
MAPK11	5.86	0.00	0.80	0.69	0.65	1.13	7.70
MAPK12	1.77	0.03	1.95	2.20	1.83	2.83	4.55
MAPK14	1.04	0.82	32.11	30.06	31.33	37.14	30.94
MAPK15	1.17	0.57	6.54	5.76	6.40	6.23	6.06
MAPK1IP1L	1.09	0.62	187.95	208.36	232.63	237.58	221.60
MAPK3	1.62	0.00	39.68	50.24	43.34	40.65	80.81
MAPK6	-1.20	0.22	111.69	112.00	113.84	102.26	94.20
MAPK7	-1.66	0.00	37.84	41.45	36.42	27.97	20.20
MAPK8	1.03	0.88	23.62	20.86	25.72	27.29	29.17
MAPK8IP1	-1.52	0.39	2.06	1.37	1.31	0.57	1.01
MAPK8IP3	1.02	0.82	260.43	184.88	215.27	223.20	332.72
MAPK9	-1.16	0.56	9.40	10.16	9.92	16.65	9.34
MAPKAP1	-1.02	0.89	28.10	29.65	27.28	28.88	25.76

MAPKAPK2	1.17	0.28	41.63	49.55	43.86	40.77	56.32
MAPKAPK3	5.80	0.00	2.41	2.88	2.48	3.06	20.46
MAPKAPK5	-1.12	0.48	35.55	28.55	34.73	35.11	30.68
MAPKBP1	1.19	0.26	33.03	23.47	27.15	29.22	33.97
MAPRE1	-1.50	0.00	89.90	103.22	85.12	83.12	57.96
MAPRE2	2.87	0.00	83.71	63.82	67.23	82.55	243.82
MAPRE3	-1.95	0.00	65.94	95.67	56.79	51.41	29.80
MARCKS	1.68	0.05	34.52	39.39	32.90	29.33	93.82
MARCKSL1	4.23	0.00	0.57	1.24	1.04	0.45	6.06
MARK1	-1.11	0.58	17.77	13.04	16.45	16.31	17.80
MARK2	1.01	0.91	25.92	38.98	22.06	27.97	23.99
MARK3	1.16	0.32	51.03	50.10	48.56	53.34	58.34
MARK4	-1.85	0.01	22.82	23.61	11.88	10.31	9.98
MARS	1.29	0.12	27.06	25.26	28.20	26.50	42.55
MARS2	3.16	0.00	1.61	0.69	1.44	0.68	3.79
MARVELD1	1.12	0.52	273.04	344.65	257.05	364.64	304.05
MARVELD2	1.43	0.33	0.80	0.55	1.57	1.59	1.39
MASP1	1.21	0.49	14.56	8.37	4.96	7.25	14.65
MASP2	-1.30	0.20	20.30	11.53	16.19	18.91	10.73
MAST1	1.12	0.81	1.03	0.82	1.44	1.25	1.26
MAST2	1.09	0.69	143.46	101.71	122.71	173.71	112.25
MAST3	1.68	0.00	14.68	13.18	12.79	14.83	24.62
MAST4	-1.22	0.16	72.93	68.77	67.88	77.35	50.25
MASTL	-3.07	0.00	27.75	23.47	27.41	21.63	6.94
MAT1A	-8.80	0.00	81.53	50.51	47.78	27.18	3.66
MAT2A	1.01	0.99	177.40	135.33	180.41	155.60	136.62
MAT2B	-1.25	0.43	17.55	36.51	17.49	18.91	17.42
MATK	1.45	0.26	4.82	1.92	4.18	2.26	3.41
MATN1	-3.62	0.00	2721.57	3863.77	3566.12	1923.43	557.73
MATN2	1.00	0.99	148.39	196.69	114.10	214.82	162.63
MATN3	-4.62	0.00	800.54	1264.68	1749.19	832.56	169.33
MATN4	-3.51	0.00	40.02	45.98	69.71	28.31	11.11
MATR3	-1.20	0.21	222.70	223.59	242.03	245.85	178.54
MAU2	1.07	0.69	131.42	91.55	100.52	116.75	107.45
MAVS	1.32	0.11	10.55	7.96	11.88	13.48	15.91
MAX	-1.16	0.39	20.18	20.18	15.93	21.97	14.52
MAZ	-1.21	0.17	49.65	54.22	54.96	45.64	38.76
MB21D1	-2.36	0.00	12.04	13.18	11.75	12.34	2.27
MB21D2	-1.24	0.43	3.90	4.80	4.83	3.40	5.18
MBD1	1.10	0.57	21.33	17.84	17.49	18.57	20.20
MBD2	1.18	0.23	47.13	52.98	44.52	45.41	61.49
MBD3	-1.11	0.60	14.33	17.57	15.93	20.04	14.02
MBD4	-1.45	0.02	10.66	11.26	11.88	10.76	6.82
MBD5	1.12	0.51	21.33	15.51	16.58	18.23	22.60
MBD6	1.15	0.36	29.70	23.33	24.80	26.95	28.16
MBIP	-1.08	0.67	23.28	26.77	26.89	31.37	24.12
MLBLAC1	-1.48	0.01	26.15	24.98	31.33	25.48	18.81

MBLAC2	-1.14	0.50	9.17	8.10	10.31	9.17	8.08
MBNL1	1.85	0.00	59.06	48.73	63.18	58.77	120.84
MBNL2	-1.32	0.06	145.29	161.41	158.61	165.11	99.75
MBOAT1	3.19	0.00	16.05	14.27	15.53	10.42	55.43
MBOAT2	-1.91	0.00	57.45	72.61	81.07	57.87	29.80
MBOAT7	1.54	0.00	20.07	20.04	17.49	20.95	37.00
MBTD1	1.21	0.32	9.06	6.73	9.53	10.64	10.86
MBTPS1	1.02	0.92	160.89	183.10	149.74	186.74	170.71
MBTPS2	1.23	0.20	11.93	12.76	12.66	14.83	15.53
MCAM	-1.84	0.00	31.08	31.43	36.94	24.23	9.72
MCAT	1.65	0.00	12.61	16.20	12.79	16.19	26.90
MCC	1.18	0.29	42.31	38.71	33.81	60.13	57.45
MCCC1	1.07	0.66	29.13	14.82	17.88	22.65	25.13
MCCC2	1.14	0.41	18.58	16.88	22.19	19.93	21.97
MCCD1	-1.04	0.93	1.61	1.78	3.00	2.60	1.77
MCEE	2.13	0.00	1.72	1.78	2.48	1.93	3.16
MCEMP1	26.24	0.00	0.11	0.14	0.13	0.00	1.64
MCF2L	-1.33	0.29	8.37	3.98	8.62	7.25	6.44
MCF2L2	1.86	0.08	2.41	0.96	1.70	0.79	2.65
MCFD2	1.28	0.11	29.13	29.78	29.37	24.46	40.78
MCL1	1.60	0.00	68.12	69.86	72.32	68.17	108.34
MCM10	-1.79	0.00	25.80	24.57	26.24	19.93	10.10
MCM2	-2.53	0.00	91.85	101.84	83.29	87.99	22.10
MCM3	-2.63	0.00	94.72	84.82	69.97	73.27	24.24
MCM3AP	-1.02	0.92	103.90	84.96	98.56	102.60	90.16
MCM4_1	-2.47	0.00	55.85	61.22	36.94	52.09	14.90
MCM4_2	-2.33	0.02	3.21	5.22	1.70	3.85	0.76
MCM5	-3.07	0.00	49.77	56.41	46.21	41.79	10.61
MCM6	-1.98	0.00	69.84	66.16	67.62	62.40	22.98
MCM7	-1.35	0.04	98.16	98.96	78.20	87.20	69.45
MCM8	-1.98	0.00	9.17	5.76	9.01	6.68	3.66
MCM9	1.14	0.43	23.05	18.67	20.37	21.52	27.78
MCMBP	1.03	0.89	13.42	14.82	20.37	15.40	17.17
MCMDC2	2.63	0.00	1.61	1.24	3.39	3.17	9.22
MCOLN1	1.16	0.39	16.86	16.47	14.62	16.99	18.94
MCOLN2	1.42	0.03	24.31	15.51	18.41	28.88	35.61
MCOLN3	1.51	0.33	0.92	0.14	0.26	1.25	0.88
MCPH1	-1.44	0.05	12.27	16.33	15.14	10.53	8.46
MCRS1	1.14	0.37	19.95	22.24	22.19	19.25	24.37
MCTP1_1	1.59	0.16	89.68	102.67	55.87	123.32	219.45
MCTP1_2	1.52	0.22	14.68	17.02	7.44	18.80	32.20
MCTS1	1.21	0.33	6.65	6.59	8.49	6.68	8.21
MCU	-1.49	0.02	20.30	30.88	24.80	25.03	12.00
MCUR1	1.19	0.47	7.68	6.04	4.96	6.45	7.45
MDC1	-1.10	0.54	79.47	78.24	78.20	81.99	72.23
MDFI	-1.30	0.15	75.57	101.98	70.76	73.61	38.51
MDFIC	-1.18	0.31	49.20	60.12	47.78	63.53	40.41

MDGA1	-2.77	0.01	3.67	2.20	7.18	3.28	3.16
MDH1	-1.53	0.00	63.42	78.65	75.98	60.47	39.02
MDH1B	1.37	0.37	2.64	1.24	1.04	1.47	2.65
MDH2	-1.11	0.61	62.04	81.12	71.80	51.07	70.20
MDM1	-2.09	0.00	14.22	10.02	12.92	12.68	5.05
MDM2	1.70	0.00	41.51	33.49	39.42	43.37	73.87
MDM4	1.71	0.00	14.10	13.04	18.41	18.91	25.63
MDN1	1.20	0.23	67.20	61.90	79.24	65.45	82.71
MDP1	1.10	0.70	9.17	7.96	9.40	5.44	6.69
ME1	1.35	0.04	77.52	98.55	116.58	100.56	130.69
ME2	-1.19	0.41	12.96	8.65	11.88	11.55	10.61
MEA1	1.09	0.69	9.52	9.47	7.18	7.02	7.95
MEAF6	1.01	0.94	27.98	28.41	27.55	29.22	29.17
MECOM	1.31	0.32	20.41	16.61	16.06	24.01	23.61
MECP2	-1.11	0.67	124.88	179.81	109.40	114.83	137.63
MECR	1.26	0.33	4.24	5.35	5.61	4.53	6.82
MED1	-1.04	0.84	99.65	83.18	96.47	106.22	86.75
MED10	-1.02	0.92	8.26	6.86	7.57	8.61	8.46
MED11	1.78	0.01	3.33	6.18	3.92	5.78	10.61
MED12	1.02	0.91	124.31	80.43	98.95	108.94	105.94
MED13	-1.14	0.48	282.79	236.08	205.35	190.02	191.80
MED13L	1.82	0.00	159.63	115.84	131.59	169.86	298.75
MED14	-1.11	0.53	98.16	72.75	81.33	85.50	95.96
MED15	1.22	0.30	10.78	6.04	8.62	9.51	10.48
MED16	1.10	0.63	16.86	16.20	15.01	17.55	15.15
MED17	-1.09	0.62	21.21	18.94	22.06	23.33	19.70
MED18	-1.36	0.18	6.42	7.96	5.74	5.55	4.80
MED19	-1.05	0.82	13.99	15.92	12.92	16.19	11.62
MED20	-1.09	0.69	12.96	14.55	14.88	11.66	12.25
MED21	1.31	0.09	16.05	28.00	21.02	22.88	28.16
MED22	1.15	0.51	6.19	9.47	8.62	8.38	9.47
MED23	-1.24	0.18	65.14	44.06	56.40	59.57	42.17
MED24	1.07	0.70	34.52	33.63	36.55	37.94	35.23
MED25	1.18	0.28	45.41	40.22	31.33	51.41	48.99
MED26	-1.24	0.25	12.16	14.55	12.14	10.19	9.60
MED27	-1.23	0.32	11.81	10.16	11.75	7.93	10.35
MED28	1.19	0.39	12.73	16.33	14.23	13.93	15.40
MED29	-1.87	0.06	2.87	3.29	1.70	2.04	1.52
MED30	-1.39	0.07	8.03	9.47	9.92	10.87	6.69
MED31	1.01	0.97	7.80	7.69	6.66	6.45	6.44
MED4	1.33	0.04	28.32	24.98	24.02	29.90	36.49
MED6	-1.06	0.76	15.02	20.45	17.49	17.33	16.16
MED7	-1.20	0.34	12.04	12.63	10.70	9.40	9.85
MED9	1.25	0.30	5.85	7.41	8.49	6.68	8.71
MEDAG	13.39	0.00	1.26	1.24	2.61	2.15	30.18
MEF2A	1.22	0.20	88.99	96.35	81.98	125.25	107.58
MEF2C	-1.39	0.12	15.60	12.76	24.28	16.31	8.97

MEF2D	1.65	0.00	18.92	13.31	16.97	15.06	29.17
MEFV	7.56	0.00	2.29	1.92	1.96	2.04	22.35
MEGF10	-2.45	0.00	12.27	25.26	15.93	12.57	6.57
MEGF11	4.27	0.00	4.01	0.69	0.52	2.38	12.88
MEGF6	-5.21	0.00	4.70	3.57	7.18	9.85	1.77
MEGF8	-1.24	0.20	381.98	298.94	316.44	302.47	230.06
MEGF9	1.16	0.89	34.40	32.12	46.21	22.65	31.82
MEI1	-4.06	0.00	53.32	24.16	22.72	18.12	8.08
MEIS1	-1.24	0.41	6.08	4.25	6.01	6.57	3.16
MEIS2	1.37	0.04	32.91	29.24	28.59	40.09	44.07
MEIS3	3.65	0.00	4.70	5.08	4.57	5.10	21.09
MELK	-2.81	0.00	27.06	26.22	24.28	16.87	4.29
MEMO1	1.36	0.09	7.00	6.73	7.57	6.57	9.85
MEN1	1.01	0.99	30.39	33.49	29.63	29.90	29.42
MEOX1	35.50	0.00	0.23	0.00	0.26	0.45	18.56
MEOX2	6.82	0.00	1.61	1.24	1.44	2.15	12.37
MEPCE	1.06	0.70	60.89	140.55	64.75	51.41	66.80
MERTK	1.64	0.00	6.77	9.61	8.49	10.42	15.91
MESDC1	1.15	0.53	8.14	12.49	6.01	7.36	9.60
MESDC2	1.10	0.59	88.99	118.86	87.07	96.03	115.66
MEST	-4.91	0.00	515.00	975.89	446.08	915.46	66.16
MET	2.59	0.02	0.69	1.24	0.39	2.26	1.14
METAP1	1.08	0.66	28.55	31.57	28.72	29.56	33.08
METAP1D	-1.32	0.30	5.73	4.12	4.05	5.10	3.41
METAP2	1.03	0.84	46.56	53.39	57.31	52.09	56.57
METRN	-3.03	0.00	9.98	19.76	11.36	12.68	2.78
METRNL	10.84	0.00	12.27	10.29	15.14	9.85	120.33
METTL1	1.26	0.33	9.17	12.22	7.57	11.21	12.88
METTL10	-1.44	0.01	34.06	34.86	37.86	31.93	25.51
METTL12	2.44	0.00	4.70	6.73	5.35	4.98	14.65
METTL13	1.37	0.08	9.52	9.06	8.35	7.36	14.14
METTL14	-1.06	0.80	23.05	17.98	21.54	16.08	15.91
METTL15	-1.54	0.06	5.39	5.49	4.31	6.12	2.90
METTL16	1.52	0.02	8.49	6.59	7.83	9.29	15.28
METTL17	-1.03	0.89	17.66	12.76	16.06	15.17	16.41
METTL18	-1.12	0.58	8.60	9.61	9.66	8.04	7.32
METTL21A	1.22	0.36	11.12	10.29	11.75	10.87	16.41
METTL21B	-1.05	0.83	36.35	41.59	39.16	25.25	32.45
METTL22	-1.02	0.92	13.65	13.18	15.01	14.27	13.51
METTL23	1.72	0.10	2.06	2.47	1.04	1.36	2.90
METTL25	1.15	0.69	3.90	2.61	3.66	4.64	6.06
METTL2A	-1.07	0.77	16.51	17.43	18.15	12.80	14.77
METTL3	1.38	0.04	15.71	17.43	18.15	17.10	20.71
METTL4	-1.50	0.06	16.74	25.80	13.97	13.93	10.61
METTL5	-1.08	0.68	12.38	14.55	16.45	15.51	11.87
METTL6	1.12	0.57	9.29	10.02	7.05	9.51	10.35
METTL8	-1.09	0.74	7.00	8.10	10.44	7.02	6.94

METTL9	1.06	0.72	20.64	27.18	28.72	25.37	26.90
MEX3A	-1.08	0.83	3.90	3.71	5.22	2.83	2.90
MEX3B	1.50	0.18	2.98	3.02	1.57	2.60	3.28
MEX3C	-1.34	0.12	193.80	178.43	232.11	156.50	116.67
MFAP1	-1.15	0.38	28.21	32.39	28.07	27.52	21.97
MFAP2	-2.77	0.00	211.69	346.98	218.01	282.88	74.88
MFAP3	1.01	0.96	32.11	33.90	34.33	40.20	34.72
MFAP4	-7.37	0.00	284.85	262.30	322.32	166.92	39.02
MFF	1.30	0.06	31.31	40.22	31.98	33.97	49.24
MFGE8	2.02	0.00	146.78	156.06	108.61	193.87	282.46
MFHAS1	1.57	0.00	15.60	17.98	13.58	17.89	27.15
MFI2	1.54	0.01	347.46	464.89	294.77	606.64	580.71
MFN1	1.06	0.77	69.61	51.06	67.10	66.93	83.08
MFN2	-1.15	0.36	52.29	45.02	42.17	48.13	38.26
MFSD1	1.07	0.70	41.17	42.82	37.86	38.96	43.44
MFSD10	1.29	0.06	29.47	28.82	33.16	32.73	37.88
MFSD11	-1.17	0.44	15.48	10.16	12.14	11.66	9.85
MFSD13A	1.27	0.16	11.35	8.51	9.14	9.29	12.25
MFSD14A	1.46	0.01	42.89	35.96	34.99	44.73	61.87
MFSD14B_1	1.12	0.71	4.13	4.39	3.13	3.85	5.43
MFSD14B_2	1.33	0.03	50.69	53.53	53.52	56.85	68.44
MFSD2A	2.94	0.00	0.80	0.41	0.65	0.91	3.03
MFSD3	-1.15	0.75	2.52	4.94	1.83	3.40	1.64
MFSD4A	-1.66	0.07	27.29	28.41	16.32	52.21	12.88
MFSD4B	-1.24	0.47	4.82	3.57	6.66	3.96	4.92
MFSD5	1.56	0.01	11.01	14.00	8.09	13.14	21.34
MFSD7	1.48	0.02	10.09	9.06	9.66	11.32	15.15
MFSD8	-1.16	0.41	13.19	12.90	13.97	14.27	14.02
MFSD9	1.46	0.03	9.63	8.10	9.01	8.49	14.39
MGA	1.16	0.35	112.61	98.28	118.41	126.95	134.48
MGAT1	1.22	0.17	50.57	56.96	53.26	45.64	68.31
MGAT2	1.02	0.92	32.11	39.94	44.26	33.86	46.21
MGAT4A	-1.05	0.76	10.55	10.71	12.79	16.53	10.61
MGAT4B	1.16	0.33	64.91	82.22	63.18	70.44	79.04
MGAT5	-1.41	0.13	188.87	356.32	203.52	196.02	185.61
MGC134577	-1.98	0.00	27.75	24.71	25.46	20.72	11.49
MGC148714	-1.01	0.96	29.13	37.06	29.24	25.37	29.93
MGC157368	-4.24	0.00	1.83	7.55	3.92	1.47	0.00
MGEA5	-1.03	0.88	79.35	63.41	71.93	98.75	93.56
MGLL	6.35	0.00	3.67	8.78	4.44	7.02	54.55
MGME1	-2.09	0.00	18.69	18.26	15.01	18.01	5.18
MGMT	-1.67	0.01	8.49	9.61	7.31	8.04	4.29
MGP	-1.13	0.49	1217.50	1353.08	1426.35	1130.96	1274.17
MGRN1	-1.33	0.07	102.29	73.30	92.43	88.67	61.49
MGST1	-2.94	0.02	4.70	2.20	3.13	1.81	0.00
MGST2	1.22	0.17	34.98	34.04	32.77	36.24	40.78
MGST3	1.11	0.61	9.29	11.26	9.40	10.64	9.85

MIA	-1.69	0.01	389.09	437.44	419.84	233.51	251.27
MIA3	-1.00	0.98	172.36	167.86	180.41	168.62	182.33
MIB1	1.20	0.20	78.67	87.84	80.68	94.90	98.49
MIB2	1.05	0.81	59.86	49.69	67.36	58.77	58.97
MICAL1	1.93	0.00	20.53	29.10	25.20	31.93	62.00
MICAL2	-1.03	0.77	1.61	2.33	0.78	1.36	0.38
MICAL3	1.32	0.12	17.43	14.55	16.06	18.01	26.77
MICALL1	1.01	0.98	30.96	27.73	27.28	26.84	24.87
MICALL2	2.50	0.00	5.16	5.90	4.31	3.74	13.89
MICU1	1.40	0.02	32.34	50.24	46.47	46.66	53.41
MICU2	1.17	0.36	23.39	15.65	17.88	20.61	24.24
MICU3	1.27	0.77	1.26	0.41	0.78	1.13	1.52
MID1	2.86	0.01	2.75	2.47	4.05	1.70	13.89
MID1IP1	1.29	0.22	19.84	26.22	22.58	16.19	33.59
MID2	-1.73	0.01	15.02	9.75	20.23	19.02	9.09
MIDN	1.84	0.00	38.30	36.24	41.51	26.84	94.07
MIEF1	-1.01	0.94	27.75	27.86	28.72	33.75	28.54
MIEF2	1.09	0.73	5.05	6.04	3.13	3.51	5.81
MIEN1	-1.03	0.87	9.52	11.53	9.53	11.32	7.70
MIER1	1.34	0.02	56.76	46.26	53.13	51.64	67.81
MIER2	-1.71	0.00	34.06	36.51	40.21	35.90	19.82
MIER3	-1.06	0.74	35.32	34.18	38.25	36.12	31.19
MIF	-1.39	0.17	157.79	358.93	199.74	202.93	125.89
MIF4GD	1.37	0.20	7.00	7.69	3.92	5.66	8.84
MIIP	-2.00	0.00	30.62	23.47	26.37	20.38	8.46
MINA	-1.18	0.35	13.88	13.73	13.97	11.66	13.89
MINK1	1.42	0.01	72.02	60.80	64.62	82.89	92.05
MINOS1	-1.15	0.39	47.02	65.61	58.75	53.90	58.84
MINPP1	-1.63	0.00	100.68	84.28	75.59	79.16	46.09
MIOS	-1.14	0.45	23.97	18.80	24.54	23.10	18.44
MIPEP	-1.04	0.83	26.03	20.45	21.93	21.18	22.73
MIPOL1	-2.15	0.01	6.31	5.35	3.26	3.74	2.78
MIS12	-1.15	0.51	9.75	14.82	15.01	12.46	11.24
MIS18A	-3.03	0.00	10.21	8.92	10.70	6.79	2.15
MIS18BP1	-4.23	0.00	107.45	105.55	94.38	91.50	15.66
MITD1	1.15	0.56	6.42	5.76	7.44	4.64	6.57
MITF	2.15	0.00	5.73	5.49	5.22	7.13	12.63
MKI67	-3.70	0.00	897.21	727.73	492.81	417.41	123.74
MKKS	-1.18	0.26	27.52	27.73	30.29	27.40	28.41
MKL1	1.01	0.97	39.22	34.04	38.90	43.15	36.37
MKL2	1.54	0.01	12.73	15.24	17.10	19.82	26.01
MKLN1_1	1.28	0.18	7.22	7.55	6.53	8.49	9.09
MKLN1_2	1.58	0.01	6.88	7.96	8.75	8.27	14.77
MKNK1	1.62	0.00	10.09	11.67	11.75	10.19	18.44
MKNK2	1.20	0.32	16.86	13.59	18.28	13.02	20.58
MKRN1	1.30	0.12	9.06	10.57	9.79	10.87	14.90
MKRN2_1	-1.39	0.33	2.41	1.78	1.70	2.60	2.02

MKRN2_2	-1.05	0.88	18.69	15.78	9.01	15.17	18.18
MKS1	1.09	0.81	5.73	6.59	5.48	6.91	8.33
MKX	-1.03	0.84	12.04	14.14	13.97	16.08	13.13
MLEC	-1.05	0.79	48.51	62.31	50.39	58.43	42.93
MLF1	-1.38	0.08	11.01	8.51	9.92	9.97	7.32
MLF2	-1.11	0.50	66.05	78.24	71.15	69.64	65.53
MLH1	-1.26	0.12	32.11	28.41	30.94	29.67	19.57
MLH3	-1.28	0.19	19.38	11.94	14.49	17.44	12.63
MLKL	-1.11	0.92	0.92	1.10	3.92	1.13	2.02
MLLT1	1.20	0.24	63.19	68.77	53.26	53.11	69.07
MLLT10	1.13	0.40	55.27	45.43	51.96	68.06	66.16
MLLT11	-1.64	0.01	11.35	12.90	9.79	10.64	6.69
MLLT3	1.71	0.65	7.11	7.27	12.66	13.36	9.98
MLLT4	2.65	0.00	42.54	23.20	39.56	41.22	118.94
MLLT6	1.67	0.01	89.79	63.00	76.89	78.25	177.66
MLPH_1	3.28	0.05	0.80	1.24	0.00	1.47	2.78
MLPH_2	3.76	0.00	1.26	1.92	0.00	2.60	5.56
MLST8	-1.33	0.18	11.58	18.53	17.49	10.98	12.25
MLX	1.26	0.11	21.21	21.41	25.98	27.97	28.03
MLXIP	-1.68	0.00	127.98	128.47	152.61	111.09	66.16
MLYCD	1.34	0.34	2.75	2.75	4.05	2.94	5.56
MMAA	1.58	0.02	5.85	4.53	5.87	4.64	8.59
MMAB	1.21	0.40	6.65	6.73	5.74	5.10	7.32
MMACHC	-1.10	0.80	2.98	3.16	4.83	2.94	2.65
MMADHC	-1.29	0.11	74.08	101.98	95.82	80.18	70.46
MMD	-1.30	0.20	9.40	15.51	11.10	12.46	8.59
MME	-5.05	0.00	14.45	35.14	20.37	18.46	2.27
MMGT1	-1.00	0.98	3.78	2.61	2.22	2.26	2.53
MMP1	317.73	0.00	0.00	0.27	0.26	0.23	57.58
MMP11	-1.89	0.09	1.03	1.37	1.83	2.04	0.51
MMP12	9.15	0.00	2.64	3.16	1.96	2.26	17.17
MMP13	41.48	0.00	5.39	3.02	6.27	4.53	127.15
MMP14	-1.32	0.24	420.63	673.66	327.54	538.58	236.25
MMP15	1.14	0.94	1.26	1.37	1.04	1.47	1.01
MMP16	-1.26	0.20	466.38	627.81	429.63	595.32	338.90
MMP19	1.04	0.91	0.80	1.65	0.52	2.60	1.01
MMP2	-1.69	0.00	1110.85	1185.49	1027.27	1300.48	588.91
MMP23B	-2.31	0.00	32.68	24.43	26.50	30.12	17.42
MMP24	1.15	0.72	3.44	2.47	3.13	3.62	4.42
MMP25	4.46	0.00	0.23	0.41	0.13	0.23	1.14
MMP28	-2.50	0.00	22.02	24.29	26.89	14.04	8.08
MMP3	188.78	0.00	26.26	13.73	12.01	9.29	4020.87
MMP9	6.77	0.00	5.50	9.33	22.85	2.94	48.74
MMS19	-1.05	0.80	45.18	38.29	39.95	45.30	35.36
MMS22L	-1.99	0.00	13.76	12.22	10.44	11.44	4.92
MN1	-1.79	0.04	5.39	3.43	3.52	4.76	1.64
MNAT1	-1.33	0.23	16.17	18.53	23.24	10.31	13.26

MND1	-2.14	0.00	7.57	9.06	6.66	6.23	4.17
MNF1	-1.14	0.54	9.40	14.00	12.92	10.31	12.25
MNS1	-1.34	0.48	0.92	1.37	1.31	1.70	1.14
MNT	1.22	0.20	17.32	13.59	16.06	14.16	18.69
MOB1A	1.46	0.00	28.32	29.78	34.33	32.50	50.13
MOB1B	2.28	0.00	51.95	34.45	42.17	64.21	161.37
MOB2	1.26	0.58	1.61	1.37	1.17	1.47	1.89
MOB3A	1.44	0.06	6.19	5.63	7.70	5.55	10.73
MOB3B	2.45	0.02	0.34	0.55	1.57	0.68	1.26
MOB3C	1.34	0.13	5.85	5.63	6.40	6.00	7.95
MOB4	-1.26	0.26	9.75	8.65	8.88	7.13	6.94
MOCOS	61.83	0.00	0.11	0.14	0.65	0.00	17.68
MOCS1	1.63	0.02	3.90	4.53	4.18	3.74	8.33
MOCS2	-1.04	0.79	30.39	29.24	33.16	30.92	30.94
MOCS3	-1.08	0.73	9.86	11.80	9.01	12.34	10.10
MOGS	-1.40	0.02	65.02	70.28	77.28	62.51	39.65
MOK	1.70	0.04	2.64	1.37	1.83	2.83	3.91
MON1A	-1.11	0.95	8.37	3.71	3.26	3.06	4.29
MON1B	1.84	0.00	12.04	10.84	10.05	12.23	23.61
MON2	-1.40	0.04	272.58	205.47	289.29	213.12	133.72
MORC2	1.36	0.03	73.28	55.45	64.62	65.11	83.72
MORC3	1.15	0.36	21.21	19.63	21.02	22.65	26.64
MORC4	-1.47	0.02	80.62	83.86	75.98	65.57	32.07
MORF4L1	-1.34	0.04	155.61	189.96	170.88	157.52	117.05
MORF4L2	-1.47	0.00	388.86	412.59	404.17	363.74	232.71
MORN1	-1.19	0.49	5.39	4.39	6.01	4.76	4.04
MORN2	-1.06	0.79	7.34	6.59	7.31	6.91	7.45
MORN4	1.06	0.83	5.28	3.29	4.83	5.66	5.81
MOSPD1	-1.10	0.70	5.16	6.45	7.31	6.12	6.94
MOSPD2	1.25	0.19	10.09	12.63	11.23	12.57	12.88
MOSPD3	1.04	0.84	11.58	10.43	8.62	9.17	11.62
MOV10	1.12	0.45	46.90	38.71	35.38	38.16	39.90
MOXD1	4.56	0.00	104.12	259.55	94.52	252.53	589.67
MPC1	-1.39	0.13	12.50	13.04	11.75	7.59	7.95
MPC2	-1.24	0.24	9.75	14.27	12.40	12.57	10.23
MPDU1	-1.14	0.60	55.73	82.22	48.43	45.30	51.26
MPDZ	1.02	0.95	41.17	35.55	39.16	37.71	34.47
MPEG1	-1.38	0.42	1.03	2.33	1.83	1.25	0.63
MPG	1.13	0.50	11.24	13.59	12.27	12.91	14.77
MPHOSPH10	1.12	0.72	5.85	5.35	5.74	3.85	7.32
MPHOSPH6	-1.89	0.00	10.32	11.39	10.57	10.64	4.04
MPHOSPH8	-1.35	0.02	52.41	49.41	54.96	56.17	36.74
MPHOSPH9	-1.77	0.00	70.52	69.59	64.88	65.79	35.61
MPI	-1.02	0.97	15.83	33.08	18.93	17.10	16.79
MPLKIP	-1.08	0.71	9.06	10.29	9.53	11.78	8.84
MPND	1.69	0.02	2.52	2.88	2.09	2.83	4.17
MPP1	-1.41	0.03	44.61	62.18	57.05	46.20	26.01

MPP2	1.01	0.96	1.38	2.33	1.96	0.91	1.26
MPP5	1.10	0.59	37.84	36.37	45.95	43.26	48.23
MPP6	-1.13	0.58	158.94	110.90	180.55	117.43	134.60
MPP7	-6.39	0.00	2.29	3.43	3.00	1.25	0.13
MPPE1	1.15	0.57	19.15	16.75	19.71	21.06	15.53
MPPED2	-2.07	0.00	26.03	24.84	28.98	21.86	14.14
MP RIP	1.36	0.02	106.30	99.10	98.04	112.00	136.62
MPST	1.52	0.01	15.48	18.39	20.89	14.95	23.11
MPV17	1.09	0.77	11.24	12.22	12.14	14.50	10.48
MPV17L2	-1.57	0.10	3.67	4.94	3.39	3.96	4.42
MPZL1	-1.56	0.05	268.45	272.32	331.59	535.87	140.91
MPZL2	-2.12	0.00	20.53	32.53	22.85	28.99	9.47
MPZL3	1.76	0.00	30.85	33.77	26.63	29.44	75.26
MR1	1.78	0.03	4.82	1.65	2.74	2.83	4.55
MRAS	-1.08	0.64	24.88	21.14	25.59	21.29	20.83
MRC2	-1.62	0.00	553.42	733.64	688.37	710.37	344.96
MRE11A	-1.31	0.06	38.19	30.47	36.03	32.27	24.87
MRFAP1L1	-1.05	0.81	205.96	256.67	226.50	193.08	208.34
MR GBP	-1.02	0.92	13.65	14.55	13.05	11.78	12.50
MRI1	1.35	0.14	5.73	8.92	8.22	7.13	8.84
MRM1	1.06	0.87	8.26	6.73	4.31	5.66	6.94
MROH1	-1.57	0.00	159.05	127.10	149.08	121.40	71.85
MROH6	1.04	0.99	1.03	0.55	0.91	1.13	0.25
MROH8	-2.35	0.12	2.06	1.92	2.22	0.23	1.01
MRPL1	-1.05	0.86	5.96	8.24	8.62	8.27	7.32
MRPL10	1.51	0.14	1.72	1.65	2.09	2.04	3.03
MRPL11	1.04	0.82	17.43	25.53	24.28	18.01	24.75
MRPL12	1.04	0.85	7.11	9.33	8.22	6.12	9.22
MRPL13	-1.11	0.60	11.12	12.63	13.05	10.19	8.71
MRPL14	1.04	0.90	1.83	1.78	1.31	0.79	1.77
MRPL15	-1.35	0.08	10.89	10.29	10.44	10.64	6.57
MRPL16	1.18	0.69	1.15	1.24	0.78	1.93	1.64
MRPL17	-1.02	0.90	28.90	39.26	28.85	28.76	33.59
MRPL18	-1.52	0.00	23.39	24.98	27.28	23.33	11.74
MRPL19	-1.46	0.03	14.56	13.45	10.70	13.48	7.83
MRPL2	1.01	0.98	11.47	11.26	12.27	10.87	11.24
MRPL20	1.20	0.30	12.61	13.59	13.45	14.04	18.56
MRPL21	1.04	0.85	8.37	9.61	8.75	8.72	9.34
MRPL22	-1.07	0.77	10.32	13.86	10.84	12.91	11.24
MRPL23	-1.56	0.13	4.13	6.18	9.14	4.64	2.27
MRPL24	1.16	0.49	7.57	10.16	10.70	8.83	12.63
MRPL27	-1.20	0.29	15.14	21.41	17.88	16.08	14.90
MRPL28	1.17	0.36	10.44	12.76	12.92	14.16	13.64
MRPL3	1.51	0.00	17.66	22.65	20.63	21.63	30.43
MRPL30	-1.23	0.32	8.37	11.94	9.27	8.15	7.70
MRPL32	-1.21	0.45	6.88	8.65	5.35	5.66	5.68
MRPL34	1.29	0.18	8.03	8.92	6.01	6.79	8.21

MRPL35	-1.19	0.46	5.73	7.82	7.44	6.23	4.67
MRPL36	-1.30	0.21	11.70	19.63	13.71	11.66	10.86
MRPL37	1.14	0.42	19.27	21.82	16.97	18.12	22.48
MRPL38	1.61	0.00	8.37	9.06	8.09	10.64	14.77
MRPL39	-1.01	0.95	9.75	10.84	11.23	10.19	11.49
MRPL4	-1.04	0.83	19.27	19.49	19.45	16.19	16.79
MRPL40	1.14	0.62	8.37	8.24	7.96	5.55	9.22
MRPL41	1.22	0.27	11.70	13.18	9.01	13.02	15.78
MRPL42	1.01	0.97	11.12	10.57	11.10	8.15	12.50
MRPL43	1.00	0.95	7.34	8.51	8.62	8.72	11.11
MRPL44	1.02	0.92	8.26	8.65	7.70	7.36	8.21
MRPL45	1.21	0.24	25.11	40.35	33.55	28.65	32.32
MRPL46	1.04	0.99	5.50	6.18	4.44	4.08	5.81
MRPL47	-1.05	0.80	12.38	12.90	14.36	13.02	13.01
MRPL48	1.08	0.76	5.28	4.25	7.31	4.76	4.92
MRPL49	-1.51	0.00	42.20	45.98	37.99	41.56	22.60
MRPL50	1.39	0.06	6.65	7.14	7.83	7.25	10.73
MRPL51	1.23	0.19	20.41	21.27	21.54	18.23	21.97
MRPL52	1.18	0.29	16.63	18.26	17.36	15.40	20.46
MRPL53	1.01	0.97	32.91	31.02	31.46	32.16	32.32
MRPL54	1.16	0.43	11.24	14.00	13.45	8.49	11.36
MRPL55	-1.25	0.28	11.24	16.06	13.19	10.19	13.26
MRPL57	-1.06	0.75	11.93	9.88	9.79	10.87	8.46
MRPL9	1.17	0.29	25.92	31.02	28.20	28.65	34.34
MRPS10	1.11	0.63	13.88	15.92	19.45	15.40	22.48
MRPS11	-1.12	0.69	7.34	7.82	4.57	6.12	5.43
MRPS12	1.10	0.69	10.44	9.88	7.57	7.70	8.33
MRPS14	-1.14	0.55	8.14	8.92	6.66	7.93	6.19
MRPS15	1.08	0.71	9.40	11.12	12.27	8.15	13.01
MRPS16	-1.40	0.05	13.99	16.06	11.36	13.59	8.84
MRPS17	1.02	0.98	4.13	3.84	3.26	3.06	3.91
MRPS18A	1.17	0.38	9.52	9.06	9.66	9.06	11.11
MRPS18B	1.29	0.17	11.47	14.41	12.66	11.78	20.71
MRPS18C	-1.20	0.49	5.39	8.24	7.44	10.42	6.06
MRPS2	1.25	0.18	10.09	11.26	9.27	8.72	13.13
MRPS21	-1.11	0.56	17.43	21.96	20.10	18.01	16.16
MRPS22	1.24	0.44	2.75	3.71	2.74	3.17	4.80
MRPS23	1.02	0.93	20.53	22.37	20.89	19.82	21.97
MRPS24	-1.43	0.19	5.96	13.59	9.79	7.02	5.30
MRPS25	-1.34	0.23	4.13	4.80	4.83	3.85	3.79
MRPS26	-1.10	0.78	10.55	13.86	17.10	8.38	10.61
MRPS27	-1.03	0.93	11.70	11.53	12.14	8.38	10.61
MRPS28	-1.06	0.83	4.01	5.76	4.57	5.78	4.67
MRPS30	-1.67	0.00	10.21	11.12	9.27	8.38	6.06
MRPS31	-1.03	0.88	9.63	8.37	8.35	9.17	8.97
MRPS33	1.11	0.53	17.20	28.27	28.07	22.99	25.25
MRPS34	1.05	0.86	20.30	26.35	15.93	18.35	25.13

MRPS35	-1.12	0.63	8.72	9.61	14.36	12.00	9.72
MRPS36	-1.06	0.84	6.19	6.04	7.18	4.64	5.68
MRPS5	-1.19	0.29	18.12	17.71	17.10	14.95	14.52
MRPS6	1.42	0.03	28.78	35.41	31.59	53.90	59.72
MRPS7	1.09	0.69	9.86	9.88	7.83	10.76	11.36
MRPS9	1.21	0.30	9.17	7.00	9.92	8.83	11.74
MRRF_1	1.21	0.61	1.95	2.06	2.74	1.93	2.53
MRRF_2	1.30	0.25	7.22	8.37	7.05	5.21	10.35
MRS2	-1.22	0.33	10.89	8.37	11.10	7.93	8.46
MRTO4	-1.23	0.16	40.02	50.10	44.26	36.58	34.60
MRVI1	2.24	0.00	1.26	1.10	3.00	1.93	4.29
MS4A8	22.36	0.00	1.61	0.82	2.22	1.93	58.21
M-SAA3.2	611.27	0.00	2.52	7.96	3.52	1.59	3687.02
MSANTD1	-1.66	0.16	2.06	2.47	1.17	2.72	1.01
MSANTD2	-1.06	0.95	13.65	7.14	6.53	13.93	10.99
MSANTD4	-1.36	0.12	19.61	12.63	13.19	13.70	8.71
MSC	124.89	0.00	0.00	0.14	0.00	0.00	6.44
MSH2	-1.66	0.00	68.46	70.14	73.37	76.21	31.44
MSH3_1	-1.02	0.91	16.63	14.41	16.45	15.85	15.03
MSH3_2	-1.16	0.46	8.60	9.47	11.62	9.63	7.45
MSH4	-2.01	0.07	2.18	1.37	1.31	1.59	0.38
MSH5	-1.87	0.02	11.12	7.41	4.83	6.23	3.79
MSH6	-1.24	0.13	79.13	74.80	83.16	78.25	56.06
MSI1	-5.36	0.00	2.87	1.78	2.48	1.36	0.63
MSI2	-1.51	0.00	119.03	103.22	97.78	113.58	61.37
MSL1	1.06	0.73	144.60	141.92	144.64	127.06	150.01
MSL2	-1.09	0.56	38.76	37.33	36.16	35.45	30.81
MSL3	-1.14	0.35	45.98	42.28	46.21	43.94	37.38
MSMO1	-1.13	0.62	131.65	184.34	216.31	130.80	136.75
MSN	1.97	0.00	159.05	161.28	172.84	161.82	351.91
MSRA	1.01	0.93	2.29	0.27	1.31	1.59	0.63
MSRB1	1.44	0.03	31.88	36.51	31.20	28.08	61.87
MSRB2	-1.07	0.76	13.30	11.53	15.93	12.80	12.63
MSRB3	-1.84	0.00	104.01	114.20	146.73	100.56	49.24
MSS51	-1.16	0.54	5.73	6.04	7.96	7.93	7.32
MST1	1.32	0.38	2.64	1.92	3.39	6.00	2.90
MST1R	135.97	0.00	0.57	0.69	0.78	0.91	131.70
MSTO1	1.33	0.15	7.11	6.86	7.31	5.78	9.47
MSX1	1.12	0.94	17.20	23.75	25.06	18.91	31.69
MT1A	27.33	0.00	28.78	34.59	13.05	4.64	829.96
MT1E_1	11.70	0.00	0.69	0.55	0.39	0.57	14.77
MT1E_2	15.36	0.00	11.58	5.22	5.61	1.36	163.39
MT2A	43.52	0.00	43.12	34.73	23.76	10.76	2085.69
MTA1	1.11	0.63	15.14	11.80	15.53	16.42	16.16
MTA2	-1.06	0.71	63.19	59.98	56.53	56.51	49.62
MTA3	-1.06	0.86	9.86	14.41	17.88	13.82	12.75
MTAP	1.89	0.00	4.36	7.69	6.53	7.25	14.65

MTBP	-1.50	0.02	13.19	17.16	15.01	14.95	6.94
MTCH1	-1.29	0.10	132.11	181.45	133.94	141.89	107.83
MTCH2	1.72	0.00	19.38	19.08	19.58	16.65	39.27
MTCL1	-2.98	0.00	3.55	3.98	5.48	3.96	0.76
MTDH	1.10	0.58	109.51	124.35	121.54	111.09	133.47
MTERF1	-1.07	0.80	28.90	29.37	31.59	17.89	25.38
MTERF2	-1.19	0.49	5.50	4.25	5.22	5.32	4.80
MTERF3	1.05	0.86	9.17	8.37	10.70	10.42	11.24
MTERF4_1	-1.10	0.57	16.17	17.43	16.84	17.33	14.90
MTERF4_2	-1.56	0.00	25.46	17.98	22.45	28.08	13.13
MTF1	1.00	0.99	11.35	10.29	9.66	12.34	9.85
MTF2	-1.03	0.88	13.76	11.53	14.23	12.23	11.49
MTFMT	1.07	0.81	5.85	4.94	6.53	6.57	4.92
MTFP1	1.30	0.47	2.52	2.61	2.22	2.60	3.28
MTFR1	1.05	0.84	30.27	32.12	30.94	31.93	31.95
MTFR1L	1.03	0.89	25.11	26.35	23.50	24.57	23.49
MTFR2	-1.37	0.39	2.98	5.08	4.31	1.93	2.15
MTG1	-1.25	0.39	7.57	6.18	5.87	10.19	5.05
MTG2	1.14	0.64	6.19	5.22	4.57	4.42	5.18
MTHFD1	-1.04	0.87	76.72	66.71	57.83	78.59	72.48
MTHFD1L	-1.06	0.73	52.86	68.63	64.10	61.15	62.88
MTHFD2	-1.25	0.13	19.84	18.80	21.54	22.20	16.16
MTHFD2L	-1.01	0.92	6.31	2.75	7.05	3.96	5.18
MTHFR	1.05	0.82	22.93	15.51	22.45	21.18	21.72
MTHFS	1.12	0.57	11.70	10.84	12.92	8.27	13.51
MTHFSD	-1.06	0.85	4.82	7.82	5.09	5.66	4.17
MTIF2	1.07	0.83	3.78	3.29	3.92	5.10	4.29
MTIF3	1.13	0.56	13.76	6.31	10.84	9.40	11.74
MTM1	1.97	0.00	5.39	4.80	6.14	5.89	12.12
MTMR1	1.68	0.01	12.38	8.92	11.36	8.38	24.37
MTMR10	-1.15	0.37	28.90	26.08	24.54	28.65	23.49
MTMR11	1.55	0.01	11.58	9.75	10.57	17.55	16.54
MTMR12	-1.91	0.00	67.43	56.82	57.31	66.47	25.51
MTMR14	1.13	0.53	9.98	7.27	8.88	11.44	10.10
MTMR2	-1.01	0.94	56.19	56.28	41.91	56.40	46.21
MTMR3	1.83	0.00	137.38	115.16	130.28	130.68	259.35
MTMR4	1.07	0.72	56.53	46.53	49.09	49.03	60.10
MTMR6	1.03	0.86	46.10	38.43	43.34	46.32	42.17
MTMR7	4.61	0.00	1.83	0.96	1.44	1.81	13.13
MTMR8	1.03	0.86	1.83	0.96	0.91	2.94	2.02
MTMR9_1	1.02	0.91	26.15	34.73	32.11	36.46	26.64
MTMR9_2	-1.52	0.10	4.47	4.67	5.61	4.53	1.64
MTO1	1.47	0.07	5.05	4.67	5.87	6.12	8.59
MTOR	-1.00	0.98	66.51	53.53	51.83	49.49	56.69
MTPAP	1.30	0.09	17.32	14.82	18.02	22.99	24.75
MTPN	-1.02	0.92	62.27	57.24	74.54	65.34	54.17
MTR	-1.01	0.97	20.76	20.31	18.54	28.54	20.71

MTRF1	1.24	0.39	5.16	6.31	4.18	3.40	7.20
MTRF1L	1.01	0.97	14.10	16.88	15.14	12.91	16.16
MTRR	-1.22	0.28	12.04	9.75	12.01	13.36	9.98
MTSS1	-1.09	0.75	4.36	3.16	4.57	3.85	4.29
MTSS1L	1.50	0.02	228.89	162.37	150.65	234.53	263.65
MTURN	1.46	0.01	65.48	56.69	72.06	81.42	100.76
MTUS1	-1.30	0.14	36.58	37.20	32.24	38.96	18.81
MTUS2	-1.22	0.60	5.85	6.04	6.66	13.02	6.94
MTX1	-1.27	0.38	11.58	19.63	8.62	13.82	10.61
MTX2	1.16	0.37	13.07	12.08	15.27	14.38	15.91
MTX3	-1.50	0.05	25.92	23.88	22.45	17.10	12.00
MUC1	16.44	0.00	0.80	0.14	0.13	0.23	11.62
MUC5B	2.80	0.06	1.38	0.27	0.13	0.23	0.38
MUL1	1.05	0.82	11.81	15.51	15.67	12.34	17.68
MUM1	-1.38	0.02	29.59	28.82	24.15	30.01	19.95
MURC	-2.18	0.03	2.18	1.24	1.83	3.06	0.63
MUS81	-1.05	0.84	9.17	9.75	8.49	7.70	9.22
MUSTN1	5.30	0.00	0.69	1.37	0.65	1.59	4.17
MUT	1.29	0.06	29.59	30.47	30.42	35.33	38.64
MUTYH	-1.09	0.72	6.65	8.37	7.44	7.47	6.57
MVB12A	-1.48	0.02	40.48	65.33	42.56	42.01	31.44
MVB12B	-1.70	0.02	9.40	16.33	7.44	10.53	5.05
MVD	1.13	0.48	20.99	23.20	24.28	15.97	24.87
MVK	1.14	0.54	23.16	37.33	30.16	16.76	27.02
MVP	6.32	0.00	17.77	21.69	18.41	16.53	130.81
MX1	5.50	0.00	2.06	0.69	0.78	1.36	10.99
MXD1	1.31	0.16	18.58	12.08	17.49	16.42	21.72
MXD3	-3.21	0.00	24.43	28.27	19.06	17.55	3.41
MXD4	-1.83	0.00	36.81	35.14	30.81	27.86	14.90
MXI1	1.23	0.48	6.08	10.29	14.36	10.31	6.69
MXRA5	1.31	0.57	170.41	193.26	214.49	298.85	241.17
MXRA7	-1.06	0.72	113.07	122.16	117.36	113.47	91.04
MXRA8	-2.37	0.00	217.31	121.33	146.60	215.50	57.58
MYADM	-1.04	0.80	51.49	52.43	54.70	50.39	49.75
MYBBP1A	1.27	0.09	24.31	26.63	30.68	23.55	37.00
MYBL1	-3.12	0.00	65.36	70.00	53.92	61.72	11.74
MYBL2	-3.03	0.00	60.20	44.20	50.00	45.41	11.49
MYBPH	225.86	0.00	0.57	0.82	0.52	0.68	177.15
MYC	1.60	0.01	31.42	35.69	37.86	21.86	36.74
MYCBP	-1.02	0.92	6.19	5.63	5.22	6.57	6.69
MYCBP2	1.80	0.00	297.01	257.36	267.62	300.21	558.23
MYCBPAP	-1.09	0.85	1.03	0.82	0.91	1.13	1.26
MYD88	1.49	0.00	31.54	31.57	27.15	29.22	39.90
MYDGF	-1.10	0.66	35.21	58.88	44.39	40.88	41.42
MYEF2	-2.17	0.00	15.83	14.96	13.05	12.91	8.97
MYEOV2	-1.09	0.71	16.40	24.98	16.97	19.82	21.84
MYH10	1.57	0.01	197.13	245.00	226.76	180.06	349.51

MYH11	-1.19	0.81	0.46	2.47	3.39	2.04	0.63
MYH14	-3.65	0.00	68.69	69.31	70.23	45.52	15.66
MYH15	-14.32	0.00	16.28	17.98	11.62	15.29	0.51
MYH3	1.33	0.55	0.57	0.55	0.39	1.25	1.14
MYH6	-5.28	0.00	1.95	1.24	2.22	3.74	0.25
MYH7B	1.04	0.90	2.18	0.96	1.96	2.83	1.89
MYH9	2.24	0.00	136.00	152.49	138.51	143.59	318.32
MYL12A	1.06	0.80	131.19	179.12	154.70	134.42	171.60
MYL12B	-1.02	0.90	16.28	17.71	16.45	14.38	17.68
MYL5	-1.60	0.39	1.38	1.51	0.39	0.79	0.25
MYL6	1.26	0.12	103.21	135.33	129.76	109.73	164.02
MYL6B	-1.58	0.12	6.08	11.94	6.27	5.89	2.53
MYL9	-1.82	0.07	9.86	11.67	18.80	5.10	6.94
MYLIP	1.08	0.85	35.21	13.59	34.59	18.46	25.76
MYLK	2.27	0.00	5.05	7.69	8.09	5.10	15.53
MYLK3	1.55	0.10	2.64	1.92	1.83	3.06	3.66
MYNN	1.02	0.91	31.08	30.20	39.16	34.31	35.23
MYO10	1.71	0.00	109.86	111.59	111.49	125.47	243.19
MYO15A	-14.74	0.00	25.80	1.51	17.36	5.78	0.25
MYO16	11.37	0.00	0.23	0.00	0.26	0.68	2.90
MYO18A	1.68	0.01	33.71	18.67	42.43	26.16	71.09
MYO19	1.04	0.85	23.62	21.41	19.45	23.33	18.31
MYO1A	-1.08	0.89	1.72	2.33	1.04	2.49	1.77
MYO1B	-1.09	0.63	17.09	14.27	21.02	16.42	10.61
MYO1C	1.88	0.00	114.22	139.45	116.84	139.86	266.30
MYO1D	-1.08	0.68	120.75	137.26	110.31	108.26	116.42
MYO1E	-1.27	0.12	90.25	111.32	119.97	97.05	76.01
MYO1F	-1.45	0.26	1.95	1.92	1.96	1.59	0.63
MYO1H	5.61	0.00	0.92	0.41	0.39	0.91	3.54
MYO5A	1.49	0.01	87.15	62.31	81.33	70.89	121.85
MYO5C	4.34	0.00	10.44	6.73	5.48	9.17	40.66
MYO6	1.46	0.26	29.24	28.41	91.77	23.21	67.05
MYO9A	-1.04	0.81	170.41	148.65	144.51	154.24	168.44
MYO9B	1.09	0.62	218.34	161.96	170.62	200.44	189.91
MYOF	8.91	0.00	28.67	23.75	32.11	41.45	306.58
MYOM1	-2.11	0.00	15.02	10.29	13.05	8.49	3.91
MYOZ1	-1.44	0.23	2.52	3.29	3.52	2.26	2.15
MYOZ3	1.51	0.04	29.47	26.90	12.92	16.76	38.01
MYPOP	-1.03	0.98	3.44	5.22	1.83	2.83	3.28
MYSM1	-1.02	0.97	68.12	35.96	65.53	67.72	66.42
MZF1	1.08	0.72	72.70	84.41	71.28	69.64	82.96
MZT1	-1.94	0.00	37.04	53.12	41.91	38.39	18.56
MZT2B	-1.33	0.46	1.38	1.92	1.57	1.36	1.39
N4BP1	1.12	0.50	35.21	33.63	39.82	43.71	37.63
N4BP2L1	1.39	0.03	20.64	14.27	19.71	19.59	26.77
N4BP2L2	1.00	0.99	42.77	36.37	43.86	43.49	41.79
N4BP3	2.12	0.07	7.22	6.86	6.66	5.78	28.41

N6AMT1	-1.08	0.85	1.95	1.51	3.39	2.49	1.52
NAA10	-1.20	0.42	9.63	11.12	10.44	6.91	9.85
NAA15	-1.11	0.58	112.50	161.14	139.16	116.30	119.70
NAA16	1.14	0.64	5.96	3.16	4.31	6.23	6.06
NAA20	1.20	0.28	16.86	22.10	21.93	18.80	23.61
NAA25	2.22	0.00	12.38	11.26	10.84	12.23	28.92
NAA30	-1.25	0.27	110.78	100.06	83.29	69.30	59.60
NAA35	-1.16	0.33	21.67	21.41	23.11	21.18	18.31
NAA38	-1.07	0.80	9.86	10.98	13.45	8.72	10.35
NAA40	-1.77	0.06	2.75	2.47	2.87	2.94	1.01
NAA50	-1.03	0.86	187.49	220.30	254.70	192.51	199.88
NAA60	-1.04	0.85	13.88	14.82	12.53	12.57	14.90
NAALAD2	-1.74	0.19	7.22	4.80	23.37	5.55	5.93
NAALADL2	-1.28	0.32	7.34	7.27	4.96	6.12	3.54
NAB1	1.10	0.57	40.37	42.69	46.47	40.54	48.61
NAB2	1.18	0.28	17.20	21.41	22.72	22.31	27.02
NABP1	1.36	0.23	3.67	2.33	3.26	2.72	3.79
NABP2	1.52	0.01	10.89	11.94	8.75	9.97	15.53
NACA	1.40	0.02	66.05	96.08	79.24	73.72	109.22
NACAD	1.21	0.53	6.08	3.98	10.84	5.32	11.87
NACC1	-1.40	0.01	45.07	51.75	52.09	43.94	34.98
NACC2	-1.84	0.00	18.69	14.14	20.23	13.02	9.85
NADK	1.16	0.32	25.80	22.51	22.72	21.29	26.39
NADK2	-1.22	0.19	41.74	49.28	43.21	39.18	32.58
NADSYN1	1.37	0.02	18.92	16.20	16.84	18.69	23.86
NAE1	1.25	0.15	14.33	12.63	14.75	14.27	17.42
NAF1	1.45	0.02	15.14	10.57	15.01	15.85	17.55
NAGA	1.64	0.00	45.98	58.20	37.99	52.77	103.41
NAGK	-1.37	0.04	22.13	20.45	22.85	25.14	12.88
NAGLU	-1.06	0.78	11.70	15.65	15.14	12.00	12.25
NAGPA	1.65	0.01	5.16	7.14	4.96	5.78	8.59
NAGS	1.63	0.21	0.69	1.37	0.78	1.93	1.01
NAIF1	1.08	0.80	4.93	4.94	6.79	6.91	4.55
NAIP	1.35	0.86	0.80	0.96	1.17	1.93	2.15
NALCN	-1.67	0.14	3.67	3.02	6.79	2.83	2.27
NAMPT	2.30	0.00	6.31	10.29	8.62	10.76	23.74
NANOS1	-1.22	0.74	2.64	1.78	0.78	3.06	1.89
NANP	-1.18	0.38	45.76	36.51	52.87	35.67	26.77
NANS	1.12	0.53	17.20	23.33	18.28	16.99	25.00
NAP1L1	1.43	0.35	0.80	1.37	2.74	2.72	3.66
NAP1L4	-1.22	0.20	118.00	118.04	110.83	100.22	97.98
NAPA	-1.19	0.22	44.61	47.49	44.39	38.96	38.51
NAPB	1.44	0.01	19.49	21.27	20.63	21.18	28.16
NAPEPLD	-1.10	0.73	10.09	7.14	6.01	9.85	9.22
NAPG	-1.13	0.41	53.90	43.37	51.17	53.22	43.56
NAPRT	1.23	0.21	21.10	15.24	19.84	22.88	22.60
NARF	1.09	0.64	19.72	26.63	28.07	29.90	22.60

NARFL	1.23	0.30	11.81	12.90	9.27	11.66	11.74
NARS	1.48	0.00	54.70	63.14	65.93	58.43	98.49
NARS2	1.24	0.40	5.50	3.84	6.66	8.83	7.45
NASP	-1.60	0.00	70.98	67.80	68.15	71.91	36.87
NAT1	1.39	0.26	3.33	2.06	1.83	2.38	2.78
NAT10	1.21	0.24	29.47	21.82	25.98	25.03	33.84
NAT14	-1.12	0.62	9.29	9.06	8.75	7.02	6.31
NAT16	1.18	0.76	0.69	1.10	0.65	0.34	0.63
NAT8L	-1.43	0.29	2.98	2.61	4.83	2.38	2.02
NAT9	1.29	0.08	25.00	20.18	21.54	24.35	28.41
NATD1	1.97	0.00	8.72	10.98	6.66	8.72	21.97
NAV2	-2.39	0.00	108.37	119.14	92.95	90.14	27.02
NAV3	1.92	0.15	5.62	6.31	12.92	11.32	30.05
NBAS	-1.17	0.30	45.76	48.04	56.13	44.96	40.15
NBEA	-1.31	0.15	50.92	29.51	32.90	43.26	33.21
NBEAL1	-1.24	0.18	25.92	27.45	25.72	25.59	30.94
NBEAL2	1.51	0.08	6.08	3.16	2.48	4.42	6.06
NBN	-1.20	0.21	44.72	44.33	46.74	50.73	32.20
NBR1	1.51	0.00	62.50	62.45	56.27	70.44	89.40
NCALD	6.84	0.00	1.26	0.96	1.70	1.59	6.57
NCAM1	-5.57	0.00	265.93	225.92	250.52	138.04	29.93
NCAPD2_1	-1.82	0.00	102.52	97.18	84.85	81.31	39.27
NCAPD2_2	-1.73	0.04	5.16	5.49	4.05	3.96	2.27
NCAPD3	-2.39	0.00	61.01	53.53	45.30	47.22	16.92
NCAPG	-2.64	0.00	72.93	53.94	74.54	55.72	16.16
NCAPG2	-3.39	0.00	76.03	55.73	55.09	59.23	12.00
NCAPH	-2.61	0.00	35.66	30.20	23.24	27.18	9.60
NCAPH2	-1.48	0.00	44.72	45.02	40.99	40.65	23.74
NCBP1	-1.03	0.88	34.98	35.00	38.64	39.41	33.71
NCBP2	-1.40	0.01	42.66	46.26	41.77	41.22	29.04
NCBP3	-1.14	0.38	30.27	29.37	30.68	26.27	26.39
NCDN	-1.19	0.29	20.07	24.29	21.28	22.31	13.76
NCEH1	1.22	0.50	4.13	1.78	2.48	4.53	4.80
NCF4	9.52	0.00	2.87	3.02	2.74	1.02	35.61
NCK1	1.56	0.00	37.27	35.27	37.99	39.86	64.40
NCK2	2.42	0.00	27.06	31.29	25.85	35.11	75.13
NCKAP1	1.09	0.59	158.71	159.22	189.29	174.17	193.06
NCKAP5	-17.92	0.00	2.98	1.78	3.13	1.02	0.00
NCKAP5L	-1.74	0.00	66.28	65.88	59.79	57.19	31.69
NCKIPSD	2.12	0.00	3.44	5.63	4.83	4.98	10.10
NCL	-1.14	0.37	61.12	72.20	73.37	68.06	55.81
NCLN	1.37	0.03	18.92	24.16	19.84	22.54	34.98
NCMAP	-1.82	0.00	24.77	22.51	19.06	23.78	10.23
NCOA1	-1.33	0.04	33.48	35.00	38.38	38.50	28.79
NCOA2	-1.23	0.15	122.36	131.08	133.03	122.53	99.12
NCOA3	1.43	0.01	75.11	66.57	81.20	82.44	114.15
NCOA4	1.01	0.96	46.21	36.65	43.86	41.90	39.77

NCOA5	-1.22	0.19	28.21	21.82	26.63	26.27	20.83
NCOA6	-1.12	0.55	93.12	66.16	72.06	80.40	73.61
NCOA7	2.69	0.00	23.28	20.45	32.90	25.48	69.57
NCOR1	1.02	0.90	141.97	123.67	115.27	127.51	135.23
NCOR2	-1.10	0.60	138.07	125.73	107.83	135.33	117.18
NCR3	-1.08	0.89	1.72	1.10	2.87	1.93	2.40
NCR3LG1	1.08	0.78	5.16	5.63	6.92	4.53	6.94
NCS1	-1.02	0.93	6.31	8.65	7.44	6.45	8.59
NCSTN	1.13	0.39	52.52	49.28	47.00	56.96	55.68
NDC1	-1.73	0.00	45.76	41.18	46.08	46.54	18.81
NDC80	-2.72	0.00	55.62	50.92	49.87	45.52	11.24
NDE1	-1.67	0.00	45.87	40.90	37.60	34.88	25.25
NDEL1	-1.23	0.13	54.81	60.94	59.66	54.58	48.36
NDFIP1	-1.29	0.09	195.18	251.18	206.13	237.81	152.28
NDFIP2	-1.02	0.97	67.08	78.10	63.97	94.56	66.16
NDN	-1.05	0.81	15.37	20.31	15.27	15.29	13.01
NDNF	-2.94	0.00	26.95	39.26	28.33	33.63	7.70
NDOR1	1.34	0.08	13.19	14.14	15.40	11.89	17.80
NDP	2.50	0.03	0.69	0.41	0.13	0.91	1.26
NDRG1	5.21	0.00	29.24	20.31	38.90	46.66	172.73
NDRG2	-1.49	0.01	94.38	73.02	82.51	69.98	56.82
NDRG3	-1.09	0.69	13.65	12.63	17.75	18.35	9.60
NDRG4	-4.83	0.00	7.57	1.51	14.10	5.78	1.52
NDST1	1.36	0.05	20.76	18.80	17.23	19.59	26.39
NDST2	-1.14	0.46	32.91	24.43	30.42	33.75	23.49
NDUFA1	1.08	0.74	11.01	11.39	7.70	9.97	12.88
NDUFA10	-1.07	0.72	22.71	27.45	23.89	20.84	26.01
NDUFA11	-1.27	0.28	15.14	20.31	13.19	11.21	13.13
NDUFA12	-1.63	0.11	2.41	3.57	3.00	2.38	1.77
NDUFA13	1.16	0.41	12.16	21.41	17.23	14.95	21.34
NDUFA2	-1.38	0.11	9.06	10.02	13.05	7.93	7.58
NDUFA3	1.08	0.86	2.75	3.43	2.48	2.72	3.28
NDUFA4	1.30	0.11	36.35	41.73	40.73	33.29	55.94
NDUFA4L2	-2.20	0.00	147.13	380.20	203.78	215.73	62.38
NDUFA5	-1.29	0.21	8.37	10.02	7.57	7.70	7.07
NDUFA6	-1.44	0.04	11.47	16.75	13.84	12.00	10.73
NDUFA7	-1.08	0.70	18.46	21.14	22.85	16.99	19.19
NDUFA8	-1.12	0.54	17.66	23.06	19.19	18.46	17.80
NDUFA9	-1.00	0.99	18.81	20.73	15.93	17.21	19.95
NDUFAB1	-1.17	0.39	10.89	12.76	12.53	11.10	10.86
NDUFAF1	1.11	0.60	9.63	11.39	13.71	9.29	12.37
NDUFAF3	-1.05	0.85	13.19	17.16	11.23	11.78	11.74
NDUFAF4	1.39	0.33	2.41	1.78	1.83	1.47	2.53
NDUFAF5	-1.59	0.08	3.21	5.08	4.44	3.40	1.77
NDUFAF6	1.14	0.56	5.39	4.67	7.96	8.04	7.83
NDUFAF7	-1.16	0.53	6.65	6.59	6.40	8.61	6.57
NDUFB1	-1.36	0.25	8.26	11.94	5.87	6.45	5.05

NDUFB10	1.04	0.81	19.49	28.55	20.50	20.50	23.49
NDUFB11	-1.10	0.66	24.31	37.20	32.11	25.37	29.42
NDUFB2	-1.30	0.16	16.74	19.35	14.75	12.34	10.48
NDUFB3	1.13	0.58	6.08	8.37	6.27	6.12	7.32
NDUFB4	-1.10	0.65	10.78	14.82	13.19	10.98	12.37
NDUFB5	-1.08	0.70	30.50	40.49	35.12	29.22	32.70
NDUFB6	-1.61	0.00	18.92	19.76	21.28	15.51	13.13
NDUFB7	-1.21	0.37	13.65	20.04	15.93	11.78	15.66
NDUFB8	-1.02	0.93	16.97	18.39	16.84	12.46	19.07
NDUFB9	-1.06	0.72	25.23	31.29	30.16	25.59	32.45
NDUFC1	-1.67	0.01	15.83	20.18	20.37	11.32	9.47
NDUFC2	-1.09	0.63	30.39	39.80	36.55	34.09	32.45
NDUFS1	-1.05	0.78	25.92	29.10	29.11	28.20	25.63
NDUFS2	1.18	0.25	47.93	59.84	55.35	51.19	68.06
NDUFS3	-1.21	0.30	23.16	36.24	29.37	28.42	23.49
NDUFS4	-1.21	0.32	12.84	19.08	18.54	13.82	13.01
NDUFS5	-1.04	0.90	22.93	35.14	28.46	24.12	30.81
NDUFS6	-1.49	0.01	24.54	32.94	26.76	25.59	18.56
NDUFS7	-1.01	0.92	9.52	11.94	8.35	11.10	13.13
NDUFS8	-1.03	0.89	15.71	20.45	13.97	19.59	16.04
NDUFV1	1.06	0.73	21.21	30.20	20.63	21.40	29.42
NDUFV2	1.63	0.01	23.74	24.98	21.02	17.21	51.52
NDUFV3	-1.03	0.88	11.70	10.84	11.23	11.55	10.48
NEB	1.62	0.27	4.13	1.10	4.44	1.47	8.46
NEBL	3.00	0.00	21.56	24.98	18.41	25.48	85.74
NECAB2	-2.30	0.02	1.83	1.92	1.70	1.93	0.63
NECAB3	1.35	0.38	3.55	1.92	1.31	2.83	4.17
NECAP1	1.14	0.39	36.47	34.73	35.38	34.31	37.75
NECAP2	-1.02	0.91	36.12	42.55	34.99	35.90	38.39
NEDD1	-1.46	0.01	24.77	22.65	28.46	25.82	17.17
NEDD4	-1.20	0.28	79.24	76.73	76.63	89.01	41.67
NEDD4L	-1.47	0.40	10.09	3.98	13.05	4.30	5.43
NEDD8	-1.25	0.10	33.71	38.98	37.21	34.09	27.78
NEDD9	1.23	0.31	32.11	24.29	39.82	23.21	45.33
NEIL1	1.17	0.59	2.98	3.98	3.52	2.60	3.91
NEIL2	1.68	0.01	8.94	12.08	8.62	6.00	12.37
NEIL3	-2.18	0.00	9.29	6.59	8.09	7.47	3.03
NEK1	-1.51	0.00	88.53	64.51	62.66	83.57	52.53
NEK10	-2.09	0.09	2.41	0.96	0.91	1.47	1.39
NEK11	-1.08	0.82	1.38	2.06	1.17	2.15	1.26
NEK2	-2.27	0.00	13.65	15.51	8.09	10.64	4.92
NEK3	-1.03	0.91	8.03	7.00	7.05	7.59	6.31
NEK4	1.34	0.04	28.10	28.69	25.06	26.50	39.52
NEK5	1.62	0.27	0.57	0.55	0.78	1.13	1.26
NEK6	-1.20	0.25	161.46	166.22	157.96	195.34	118.44
NEK7	1.23	0.22	33.03	33.08	29.76	49.49	49.75
NEK8	1.68	0.03	4.24	4.12	4.83	5.89	9.60

NEK9	1.03	0.88	80.04	86.20	90.21	89.58	79.93
NELFA	-1.05	0.77	47.13	48.73	43.21	46.09	49.50
NELFB	-1.06	0.73	44.38	53.94	42.95	45.64	38.01
NELFCD	-1.23	0.15	75.34	73.43	60.70	68.63	53.54
NELFE	-1.13	0.59	25.00	44.06	31.46	29.33	32.07
NEMF	1.23	0.19	24.54	22.10	32.38	31.59	28.54
NEMP1	-1.29	0.19	13.65	11.26	11.10	14.72	9.47
NEMP2	1.21	0.40	18.58	9.06	19.32	14.50	25.13
NENF	1.08	0.63	50.92	85.51	67.36	60.81	77.65
NEO1	-1.27	0.15	171.21	211.24	161.88	192.17	103.41
NES	-1.40	0.31	3.90	10.71	11.75	7.02	3.28
NET1	-1.05	0.81	77.63	93.20	71.93	81.76	74.62
NEU1	1.44	0.07	14.79	13.73	10.97	12.80	27.15
NEU3	-1.75	0.00	19.84	18.94	15.80	19.02	11.24
NEURL1	-1.38	0.48	1.38	0.55	1.44	1.47	1.39
NEURL1B	-2.99	0.00	42.89	47.49	35.77	29.90	8.59
NEURL2	1.30	0.56	1.15	1.37	1.31	0.45	1.01
NEURL4	-1.08	0.71	56.31	35.14	42.56	41.79	39.77
NEXN	1.09	0.76	4.82	4.94	9.27	6.79	7.20
NF1	1.22	0.23	22.82	22.65	15.67	17.10	26.26
NF2	-1.23	0.16	62.50	72.88	74.93	56.96	54.17
NFASC	-1.65	0.09	30.85	26.22	64.88	25.37	17.80
NFAT5	-1.53	0.00	670.50	802.13	659.91	741.97	516.94
NFATC1	-1.47	0.00	50.23	52.29	48.43	62.51	31.95
NFATC2	-2.81	0.00	97.01	150.43	87.47	133.06	16.54
NFATC2IP	-1.01	0.96	9.63	6.59	8.88	7.02	9.34
NFATC3	-1.00	0.98	43.69	47.35	47.00	43.37	45.84
NFATC4	3.11	0.00	3.21	3.16	1.17	4.42	7.70
NFE2	19.47	0.00	0.34	0.41	0.00	0.11	11.87
NFE2L1	1.17	0.33	308.93	399.55	350.39	345.73	457.59
NFE2L2	1.69	0.00	52.64	59.16	59.92	53.56	97.48
NFE2L3	1.23	0.47	8.60	6.18	5.48	6.23	12.12
NFIA	-2.11	0.00	48.62	38.16	47.52	46.88	20.71
NFIB	-1.47	0.03	133.37	102.39	102.35	105.09	66.67
NFIC_1	-1.38	0.04	110.89	140.41	114.62	119.81	83.84
NFIC_2	-1.37	0.04	64.68	73.43	63.97	65.11	41.29
NFIL3	6.14	0.00	6.65	12.22	9.14	9.85	48.87
NFIX	-1.43	0.01	132.22	140.00	124.15	137.02	96.22
NFKB1	4.66	0.00	12.84	16.61	14.36	15.40	104.42
NFKB2	7.11	0.00	16.97	15.78	19.06	14.72	161.37
NFKBIA	11.59	0.00	20.76	24.57	17.36	31.37	348.88
NFKBIB	2.78	0.00	2.98	5.08	4.31	2.94	13.13
NFKBID	1.82	0.01	3.78	3.29	4.44	3.28	5.30
NFKBIE	3.97	0.00	5.85	6.59	4.44	6.00	34.34
NFKBIL1	1.28	0.17	27.29	34.31	22.58	23.55	32.45
NFKBIZ	18.58	0.00	8.03	6.18	7.57	11.10	190.66
NFRKB	1.19	0.29	20.53	18.67	23.11	23.78	29.04

NFS1	-1.04	0.90	55.27	80.43	57.70	45.64	59.35
NFU1	1.55	0.01	15.71	16.75	13.45	17.67	31.06
NFX1	1.25	0.20	25.23	20.18	26.11	23.67	28.92
NFXL1	-1.37	0.02	26.95	22.78	25.98	24.46	17.93
NFYA	-1.21	0.23	19.38	23.20	17.23	20.16	15.53
NFYB	-1.28	0.64	1.38	1.24	2.35	0.79	1.01
NFYC	-1.37	0.02	39.22	35.69	37.99	35.67	26.77
NGDN	1.25	0.21	7.45	9.61	7.83	10.19	10.35
NGEF	1.71	0.00	53.67	60.12	43.21	71.68	100.26
NGFRAP1	-1.12	0.50	31.42	38.57	40.86	37.26	32.20
NGLY1	-1.15	0.44	15.71	19.76	20.50	16.53	17.80
NGRN	-1.02	0.89	29.59	36.10	35.90	34.88	35.73
NHEJ1	1.57	0.18	1.72	1.92	3.00	1.36	3.66
NHLRC1	1.17	0.79	2.29	1.51	1.96	2.94	3.03
NHLRC2	1.06	0.76	22.13	23.20	19.58	25.71	23.61
NHLRC3	-1.27	0.07	52.41	46.26	47.65	53.11	40.91
NHP2	-1.28	0.19	18.00	19.22	18.54	12.34	15.15
NHS	-1.91	0.07	1.38	3.57	2.61	3.40	1.39
NHSL1	3.79	0.00	0.34	0.27	1.70	0.57	3.28
NHSL2	-1.19	0.52	17.89	9.88	10.84	17.78	10.61
NICN1	-1.27	0.13	63.87	47.08	60.83	67.04	38.13
NID1	1.08	0.91	25.00	25.80	55.87	16.65	20.58
NID2	-1.41	0.08	583.23	700.83	555.34	809.91	282.97
NIF3L1	-1.12	0.64	5.73	6.18	7.83	6.79	5.93
NIFK	1.41	0.03	12.84	13.86	14.10	14.61	21.72
NIM1K	-1.43	0.03	13.07	15.92	17.88	14.27	9.34
NIN	-1.48	0.00	51.60	41.86	46.87	46.09	31.44
NINJ1	-1.24	0.25	16.63	19.90	15.27	20.50	11.11
NINL	1.28	0.29	17.32	10.57	13.84	11.44	17.30
NIP7	-1.02	0.95	6.54	7.27	7.44	5.66	7.20
NIPA1	-1.95	0.00	15.25	15.78	19.58	16.19	5.68
NIPA2	1.25	0.18	19.27	17.71	16.45	20.27	24.12
NIPAL1	1.13	0.77	2.41	2.33	3.39	2.49	4.04
NIPAL2	1.61	0.00	12.16	14.00	17.49	10.64	27.02
NIPAL3	1.11	0.64	8.94	7.69	8.09	6.00	9.09
NIPBL	1.13	0.43	78.09	72.88	83.16	88.56	94.83
NIPSNAP1	-3.72	0.00	82.91	61.49	75.06	28.42	12.37
NIPSNAP3A	-1.13	0.61	8.14	11.26	15.14	10.42	5.05
NISCH_1	1.02	0.95	70.52	68.35	70.36	78.36	62.25
NISCH_2	1.10	0.55	40.82	36.51	38.12	31.59	36.87
NIT1	1.06	0.89	5.05	3.84	4.44	5.10	3.54
NIT2	1.49	0.01	11.12	9.33	10.18	9.85	16.04
NKAP	1.03	0.89	15.48	14.96	16.97	15.51	17.05
NKAPL	-1.17	0.43	9.86	9.06	12.14	9.85	8.46
NKD1	-1.75	0.05	4.24	3.84	2.61	4.98	2.02
NKD2	-1.21	0.78	0.80	3.57	3.66	2.94	2.27
NKIRAS1	1.73	0.08	2.29	1.78	1.44	2.26	3.03

NKIRAS2	1.16	0.37	15.25	16.75	16.06	21.52	19.07
NKPD1	1.60	0.12	1.61	2.20	1.17	2.15	3.79
NKRF	2.02	0.09	0.80	0.55	0.26	0.68	1.14
NKTR	-1.44	0.01	208.25	184.20	228.85	202.59	136.50
NKX3-2	-1.96	0.02	34.06	22.10	43.21	12.12	11.87
NLE1	1.17	0.56	5.50	4.53	4.57	5.21	5.05
NLGN2	1.17	0.31	79.01	101.84	87.60	75.76	95.08
NLGN3	-3.04	0.00	8.37	3.29	5.22	5.21	1.89
NLGN4X	-2.17	0.00	22.36	11.94	11.49	12.23	5.93
NLK	1.16	0.39	23.85	23.20	24.80	20.61	25.76
NLN	-1.90	0.00	24.77	17.16	28.46	19.93	9.85
NLRC5	1.56	0.48	1.15	0.00	1.31	0.23	0.88
NLRP12	1.11	0.82	2.06	3.16	1.31	2.04	3.54
NLRX1	-1.51	0.03	11.35	9.47	8.62	9.40	7.58
NMB	-1.31	0.31	3.33	3.16	3.92	3.62	3.66
NMD3	1.14	0.38	32.68	29.65	33.03	34.77	38.64
NME1	-1.20	0.43	7.57	7.27	10.44	7.25	8.21
NME2	-1.86	0.01	7.68	8.65	9.40	5.44	4.67
NME3	1.10	0.64	6.42	7.27	11.49	10.87	9.34
NME4	-1.28	0.24	9.06	10.29	13.71	13.70	7.70
NME6	-1.26	0.45	5.39	10.29	7.57	4.98	5.05
NME7	1.19	0.34	9.86	8.92	8.62	8.38	10.48
NMI	2.67	0.00	4.70	5.35	4.44	6.12	17.68
NMNAT1	-1.06	0.72	19.61	21.69	22.72	21.18	20.08
NMNAT2	2.05	0.18	0.92	0.27	0.26	1.13	2.15
NMRAL1	1.50	0.02	7.57	8.92	7.44	8.72	11.36
NMRK1	-1.54	0.01	22.13	17.57	23.76	25.25	13.89
NMT1	1.25	0.14	26.60	28.55	24.93	22.42	38.01
NMT2	1.76	0.00	9.40	6.18	5.87	7.02	13.76
NNT	-1.53	0.00	53.21	48.18	51.17	45.52	31.44
NOA1	1.35	0.04	14.91	19.63	18.28	14.38	22.48
NOB1	1.39	0.03	13.42	15.92	15.40	10.64	21.21
NOC2L	1.42	0.01	16.17	17.16	15.40	16.42	23.74
NOC3L	1.48	0.03	7.34	6.73	10.70	9.85	13.01
NOC4L	1.14	0.69	13.30	10.43	11.36	12.00	18.81
NOCT	1.26	0.32	4.70	4.12	5.48	6.23	7.95
NOD1	2.00	0.01	2.41	3.84	1.44	2.04	6.31
NOD2	12.97	0.00	5.39	7.00	3.79	6.34	77.91
NOG	-12.28	0.00	208.71	189.96	305.74	111.77	12.37
NOL10	-1.06	0.76	21.10	28.69	20.63	23.55	21.21
NOL11	-1.22	0.16	27.18	28.41	26.63	25.25	23.11
NOL12	-1.01	0.94	6.77	7.41	7.18	7.36	7.58
NOL3	2.80	0.00	5.05	10.02	5.09	12.46	29.42
NOL4L	-1.73	0.03	218.34	385.69	228.72	130.57	149.37
NOL6	-1.36	0.10	10.55	12.63	9.79	9.74	8.71
NOL7	-1.34	0.10	14.33	21.41	15.53	15.74	15.28
NOL8	1.00	0.99	37.84	35.82	36.03	47.68	42.43

NOL9	-1.27	0.15	25.69	18.94	18.54	24.12	16.54
NOLC1	-1.09	0.63	28.78	36.37	31.46	26.61	27.78
NOM1	-1.40	0.02	43.69	38.16	43.34	34.09	29.80
NONO	1.18	0.25	32.57	42.82	31.07	33.18	40.91
NOP10	1.32	0.08	11.58	12.63	14.62	11.55	17.55
NOP14	1.39	0.02	27.06	23.75	27.68	21.40	34.60
NOP16	1.80	0.00	5.16	6.73	6.53	6.23	12.12
NOP2	1.28	0.11	24.08	21.82	22.06	18.69	32.70
NOP56	-1.42	0.02	44.15	39.94	48.95	39.97	25.63
NOP58	-1.03	0.90	36.47	41.86	52.22	40.65	36.37
NOP9	-1.09	0.70	11.12	8.65	8.09	8.27	8.97
NOS1AP	6.58	0.00	0.23	0.27	0.13	1.25	4.80
NOS2	120.30	0.00	1.26	1.65	3.13	0.91	172.99
NOSIP	1.33	0.05	18.58	22.10	19.06	21.06	31.19
NOTCH1	1.30	0.10	20.41	14.82	17.62	19.02	21.97
NOTCH2	1.43	0.01	217.54	186.12	204.96	230.00	308.60
NOTCH3	1.16	0.65	11.12	13.59	19.58	13.70	9.98
NOTCH4	-1.01	0.98	4.47	3.84	4.83	4.87	4.29
NOTUM	7.48	0.00	0.11	0.00	0.39	0.45	3.16
NOV	-1.78	0.00	26.03	14.41	16.58	27.74	9.60
NOVA1	1.76	0.13	1.26	1.37	2.22	2.04	3.03
NOXA1	-1.55	0.13	10.66	6.04	5.35	11.55	4.04
NOXO1	-1.19	0.78	0.69	0.55	1.31	1.93	0.63
NPAS1	1.45	0.19	3.10	3.16	2.35	2.04	4.67
NPAS2	1.45	0.26	3.67	3.43	2.87	8.15	7.58
NPAS3	-1.10	0.57	50.46	57.10	54.05	45.98	48.11
NPAT	-1.53	0.00	53.21	55.73	58.48	67.72	30.30
NPC1	-1.16	0.38	57.22	62.59	54.70	44.05	51.77
NPC2	3.91	0.00	96.56	133.28	94.65	95.46	519.97
NPEPL1	-1.79	0.00	12.84	16.20	13.71	9.06	7.58
NPEPPS	1.62	0.00	71.79	78.92	98.69	82.44	137.38
NPHP1	-1.02	0.92	18.00	11.94	17.75	16.87	20.71
NPHP3	-1.43	0.03	34.75	24.29	31.72	35.45	26.77
NPHP4	-1.76	0.00	29.70	19.08	21.15	24.91	14.14
NPHS1	129.28	0.00	0.00	0.00	0.00	0.00	3.79
NPLOC4	-1.10	0.52	42.20	47.08	47.52	48.81	47.10
NPM1	-1.60	0.23	1.26	1.24	1.31	1.25	0.13
NPM3	-1.69	0.01	9.63	13.45	10.84	8.95	4.67
NPNT	-1.86	0.32	6.08	5.08	6.53	23.89	5.56
NPR1	-1.20	0.86	2.06	0.96	2.09	0.23	0.63
NPR2	1.22	0.20	33.14	21.82	28.07	36.35	38.39
NPR3	-12.88	0.00	47.48	45.16	66.58	48.69	4.29
NPRL2	-1.17	0.42	11.12	8.78	10.05	9.97	6.57
NPRL3	1.01	0.95	13.76	14.55	9.92	13.82	12.37
NPTN	-1.20	0.25	113.87	110.49	105.87	109.28	83.84
NPTX2	1.65	0.63	0.34	0.96	1.17	0.57	2.53
NQO1	-1.12	0.49	22.93	21.55	24.67	24.80	17.17

NQO2	-1.14	0.54	8.03	8.51	7.96	10.53	8.33
NR0B1	-2.25	0.06	0.80	0.82	1.44	1.25	0.13
NR1D1	2.35	0.00	18.35	13.18	15.93	12.80	38.13
NR1D2	1.22	0.31	204.24	248.30	140.34	165.90	292.82
NR1H2	1.84	0.00	24.08	25.80	21.41	30.80	51.01
NR1H3	1.34	0.09	7.00	9.20	10.18	8.72	12.12
NR2C1	1.02	0.92	19.38	16.88	20.76	18.46	20.71
NR2C2	1.06	0.76	46.10	35.69	36.16	46.43	43.31
NR2C2AP	1.73	0.05	2.06	1.78	2.09	2.15	4.55
NR2F2	1.22	0.43	3.55	5.08	8.09	6.34	5.30
NR2F6	1.10	0.60	11.70	15.65	15.27	12.91	15.66
NR3C1	2.47	0.00	33.48	29.24	31.20	37.03	88.01
NR3C2	1.57	0.20	1.72	9.06	6.66	3.40	8.59
NR4A1	-1.10	0.74	15.48	12.90	12.79	23.44	18.94
NR4A2	1.21	0.31	11.81	11.12	10.97	21.40	15.66
NR6A1	1.43	0.33	0.69	0.82	2.35	0.57	1.64
NRADD	-1.25	0.23	13.19	14.27	10.44	11.44	8.59
NRAP	4.19	0.10	1.83	0.96	3.00	0.34	13.26
NRAS	-1.24	0.47	4.59	5.35	5.74	3.06	3.28
NRBF2	-1.04	0.83	12.04	15.10	13.32	13.59	12.25
NRBP1	1.10	0.55	87.50	113.10	92.56	102.26	113.51
NRBP2	1.29	0.23	23.62	13.59	27.15	20.72	30.81
NRCAM	6.00	0.00	3.21	2.47	1.31	1.70	10.35
NRDC	-1.11	0.52	87.96	73.57	83.42	82.33	73.61
NRDE2	-1.27	0.12	26.49	21.96	20.37	21.86	18.18
NREP	-4.77	0.00	396.32	483.69	525.97	344.60	49.50
NRF1	-1.46	0.05	18.46	14.41	15.27	19.02	9.60
NRGN	-2.32	0.03	1.61	1.65	0.91	1.59	0.63
NRIP1	1.51	0.00	23.62	23.88	26.76	30.58	44.83
NRIP3	1.04	0.85	6.77	23.61	7.44	13.59	9.47
NRK	-5.19	0.00	550.78	436.89	591.37	417.41	57.70
NRM	-1.48	0.02	20.87	26.35	17.10	20.38	15.15
NRN1	-1.16	0.69	1.15	0.41	3.66	1.36	0.13
NRP1	1.14	0.64	37.04	35.41	59.53	42.58	35.99
NRP2	2.74	0.00	147.24	139.18	142.56	102.26	455.70
NRTN	-1.28	0.46	1.95	2.75	3.39	3.85	1.89
NSDHL	-1.42	0.01	28.90	34.45	28.85	27.18	17.68
NSF	1.06	0.73	23.97	19.63	24.15	29.90	28.92
NSFL1C	-1.15	0.33	39.68	46.26	43.21	44.50	40.91
NSL1	-2.23	0.00	14.10	18.67	18.93	16.31	6.19
NSMAF	-1.06	0.75	26.26	22.78	22.06	26.61	25.63
NSMCE1	1.04	0.81	29.47	40.90	40.73	34.54	35.10
NSMCE2	-1.10	0.68	7.68	7.96	6.53	6.57	8.59
NSMCE4A	-1.07	0.72	20.76	16.47	18.15	17.55	15.03
NSMF	1.05	0.85	39.22	37.75	22.85	40.77	28.92
NSRP1	-1.26	0.12	32.45	31.57	33.16	27.52	23.99
NSUN2	1.08	0.69	51.95	51.88	48.82	52.43	61.62

NSUN3	-1.16	0.40	31.31	29.24	39.42	28.20	26.64
NSUN4	1.60	0.06	3.67	2.88	3.92	5.55	8.59
NSUN5	1.03	0.93	2.41	2.20	2.35	3.40	2.40
NSUN6	-1.30	0.12	30.39	22.51	27.68	30.12	16.92
NSUN7	-1.24	0.40	6.08	6.31	9.40	9.74	6.31
NT5C	-1.50	0.01	26.26	22.51	21.15	21.40	16.41
NT5C2	1.05	0.90	55.73	46.94	74.54	48.47	49.50
NT5C3A	-2.18	0.00	10.78	4.94	11.49	10.08	5.30
NT5C3B	1.00	1.00	29.70	22.10	31.07	24.57	24.12
NT5DC1	-1.50	0.04	5.73	7.14	6.01	6.34	4.42
NT5DC2	-1.63	0.00	87.27	109.81	123.37	76.89	54.17
NT5DC3	3.96	0.00	12.04	15.10	13.45	22.99	69.95
NT5E	2.33	0.00	88.76	82.77	43.99	302.70	390.29
NT5M	-1.20	0.43	6.54	10.16	9.79	7.59	8.59
NTAN1	1.28	0.12	26.83	41.04	36.29	32.95	53.66
NTHL1	1.21	0.28	10.78	9.75	9.01	8.27	11.11
NTM	2.06	0.34	1.38	1.10	1.31	1.13	3.79
NTMT1	1.11	0.56	12.27	14.69	10.44	11.55	14.02
NTN1	3.89	0.00	1.15	0.82	0.39	1.36	5.05
NTN3	-1.40	0.43	0.92	2.06	1.31	1.47	1.01
NTNG1	-9.20	0.00	3.21	1.51	0.78	8.95	0.00
NTPCR	1.50	0.05	42.20	44.75	61.10	46.77	66.54
NTRK2	-6.62	0.00	16.05	10.71	19.06	12.34	0.76
NUAK1	-2.06	0.00	18.69	36.24	15.53	23.33	6.31
NUAK2	5.57	0.00	0.92	1.10	0.91	0.11	6.44
NUB1	-1.11	0.56	45.30	48.31	34.59	41.11	34.47
NUBP1	-1.23	0.24	16.40	14.82	13.71	14.04	8.71
NUBP2	-1.03	0.88	11.01	9.20	10.44	9.51	10.10
NUBPL	-1.02	0.99	2.98	2.20	4.05	2.49	2.78
NUCB1	1.05	0.82	448.61	508.40	421.79	377.78	462.77
NUCB2	-1.76	0.00	68.80	74.94	79.37	61.94	42.80
NUCKS1	-1.51	0.03	645.27	1057.56	693.20	601.89	536.89
NUDC	1.02	0.88	45.41	58.75	46.08	41.67	49.12
NUDCD1	-1.06	0.77	13.19	15.10	16.71	14.61	12.12
NUDCD2	-1.07	0.82	6.88	6.31	8.88	5.55	6.19
NUDCD3	1.01	0.95	36.58	28.27	29.63	28.65	29.42
NUDT1	-1.46	0.14	7.68	8.92	6.79	4.98	7.83
NUDT12	1.03	0.91	14.68	11.80	17.88	14.95	13.13
NUDT13	-2.37	0.01	4.70	2.75	4.31	2.38	0.88
NUDT14	-1.66	0.09	2.29	2.33	2.22	2.15	1.26
NUDT15	1.07	0.70	39.45	44.75	40.34	43.71	38.76
NUDT16	-1.69	0.00	27.64	28.00	30.16	27.40	13.01
NUDT16L1	-1.36	0.17	7.57	6.18	5.87	6.68	3.79
NUDT17	2.21	0.01	1.15	0.82	1.04	1.36	3.03
NUDT18	-1.31	0.17	8.60	9.47	8.22	7.02	6.69
NUDT19	-1.19	0.35	12.50	12.49	14.75	11.44	10.73
NUDT2	-1.03	0.93	4.82	7.96	6.01	6.00	6.06

NUDT21	-1.03	0.85	25.00	26.77	24.15	24.57	24.87
NUDT22	1.06	0.90	2.06	2.61	1.96	2.04	2.27
NUDT3	1.09	0.59	65.82	72.61	63.18	63.42	78.03
NUDT4	-2.50	0.03	153.66	101.71	332.37	52.77	48.74
NUDT5	1.01	0.94	8.94	11.67	13.19	9.74	10.86
NUDT6	1.38	0.30	2.06	1.37	1.70	1.70	2.40
NUDT7	1.00	1.00	16.17	10.98	15.40	17.55	18.69
NUDT8	1.13	0.77	2.98	2.20	1.83	2.38	3.16
NUDT9	1.28	0.08	31.42	30.88	32.90	32.05	37.25
NUF2	-2.98	0.00	33.37	42.69	32.51	36.46	6.57
NUFIP1	1.12	0.60	9.17	7.69	9.01	6.34	9.22
NUFIP2	-1.12	0.57	214.44	150.02	180.02	155.71	169.45
NUMA1	1.27	0.13	240.01	255.43	229.24	279.03	259.48
NUMB	1.45	0.01	28.90	26.77	33.29	31.03	44.95
NUMBL	-1.20	0.24	40.02	31.71	30.68	38.16	29.55
NUP107	-1.08	0.65	37.38	28.82	37.86	33.97	28.41
NUP133	-1.25	0.10	40.71	40.49	35.64	42.01	32.58
NUP153	1.07	0.70	60.55	62.59	63.97	65.00	61.11
NUP155	-1.19	0.24	45.87	36.65	39.42	37.37	31.95
NUP160	-1.23	0.13	39.68	39.94	40.60	42.47	30.68
NUP188	1.17	0.31	21.44	21.14	16.84	19.93	22.73
NUP205	-1.68	0.00	67.66	57.51	67.62	57.75	34.09
NUP210L	-1.58	0.19	3.10	1.51	2.35	3.17	1.52
NUP214	-1.00	0.97	113.64	93.61	89.95	95.92	93.06
NUP35	-1.04	0.87	16.40	14.41	18.80	16.53	16.16
NUP37	-1.52	0.00	20.76	22.37	18.28	20.50	14.39
NUP43	-1.50	0.00	26.60	28.69	32.64	27.86	14.90
NUP50	-1.15	0.39	37.27	38.43	41.25	29.90	31.19
NUP54	1.10	0.71	10.44	13.04	13.32	12.12	12.88
NUP58	-1.20	0.19	44.61	41.86	46.08	47.11	37.25
NUP62	-1.35	0.04	34.86	41.59	34.86	35.67	25.38
NUP62CL	1.09	0.76	5.73	4.12	5.74	6.34	6.06
NUP85	-1.30	0.08	27.64	21.14	24.93	24.69	23.61
NUP88	-1.08	0.64	40.59	41.45	40.73	35.45	33.21
NUP93	1.01	0.95	27.18	28.14	33.94	24.57	29.17
NUP98	1.11	0.51	105.96	94.84	97.39	94.44	113.89
NUPL2	-1.25	0.30	7.22	6.18	7.18	5.89	4.92
NUPR1	2.32	0.00	38.07	44.75	34.20	53.45	105.05
NUPR2	2.02	0.07	0.69	1.24	0.52	0.57	2.02
NUS1	-1.23	0.23	91.28	81.12	74.54	62.85	61.49
NUSAP1	-3.09	0.00	60.55	73.30	55.74	47.79	10.23
NUTF2	-1.19	0.32	25.34	37.61	26.76	29.10	20.83
NVL	1.25	0.16	11.81	15.92	15.80	17.10	17.93
NXF1	1.06	0.74	30.50	24.71	26.24	31.14	29.93
NXN	-1.29	0.30	17.32	20.59	28.46	13.14	9.34
NXPE3	1.45	0.04	18.23	12.49	10.05	19.14	18.94
NXPH3	-1.54	0.34	0.92	2.33	2.09	0.91	0.88

NXPH4	-1.45	0.08	22.59	50.24	35.64	35.56	19.32
NXT1	-1.89	0.00	11.01	9.75	9.53	7.36	4.42
NXT2	1.15	0.65	5.05	6.18	6.79	7.13	4.55
NYAP1	1.30	0.18	38.76	35.96	33.68	30.58	61.87
NYNRIN	-1.32	0.04	80.39	68.90	80.55	70.44	49.62
OAF	1.89	0.00	14.56	21.69	19.58	19.70	40.41
OARD1	1.06	0.75	19.49	30.33	28.07	26.05	23.61
OAT	-1.49	0.01	519.02	605.71	602.73	566.78	341.30
OAZ1	1.14	0.49	261.11	366.89	298.17	262.84	387.77
OAZ2	-1.65	0.00	132.45	146.04	104.05	128.53	66.54
OBFC1	1.02	0.94	17.55	17.98	19.32	15.74	18.69
OBSL1	-1.19	0.28	98.39	91.28	93.86	108.94	65.15
OCEL1	1.10	0.73	3.55	3.29	2.48	5.44	4.42
OCIAD1	-1.53	0.03	262.60	196.83	163.57	151.52	95.71
OCIAD2	1.68	0.02	3.10	4.25	4.44	3.74	4.42
OCRL	1.27	0.09	29.59	32.39	30.03	32.61	40.91
ODC1	-1.10	0.74	57.57	51.20	35.12	32.61	39.77
ODF2	-1.25	0.14	34.29	31.98	28.85	34.09	30.68
ODF2L	-1.15	0.45	20.99	25.94	31.33	28.76	19.45
ODF3L2	-1.27	0.54	1.49	1.78	1.57	1.02	1.52
OFD1	1.23	0.22	13.76	13.73	11.23	16.53	17.80
OFD1Y_1	-1.31	0.78	3.21	0.00	2.35	3.40	2.53
OGDH	-1.02	0.95	60.09	55.04	48.43	43.03	52.02
OGFOD1	-1.11	0.51	19.84	22.92	21.41	21.52	18.31
OGFOD2	1.13	0.57	8.14	8.51	4.83	5.89	7.20
OGFOD3	-1.05	0.76	20.41	20.73	22.32	19.93	21.21
OGFR	1.47	0.02	11.35	13.04	12.27	12.12	22.48
OGFRL1	-1.21	0.21	45.87	51.20	55.48	62.85	48.23
OGG1	-1.18	0.48	7.00	6.04	8.62	8.95	5.43
OGN	-13.09	0.00	16.97	10.43	22.58	13.02	0.51
OGT	1.86	0.00	263.64	141.79	258.09	266.23	470.98
OIP5	-4.65	0.00	9.98	8.92	8.35	7.70	0.76
OIT3	-3.74	0.00	2.87	1.24	1.70	1.25	0.13
OLA1	1.36	0.24	1.83	4.53	3.92	2.49	3.66
OLFM1	42.14	0.00	0.46	0.69	0.26	0.57	33.08
OLFM2	7.90	0.00	2.41	4.39	3.13	2.49	24.37
OLFML1	-1.79	0.33	2.75	0.69	3.52	0.91	0.13
OLFML2A	1.59	0.04	6.88	7.82	10.18	10.19	11.49
OLFML2B	8.28	0.00	49.31	18.39	15.53	24.35	197.99
OLFML3	2.96	0.00	30.27	31.71	29.76	30.46	55.05
OMA1	-1.43	0.20	3.10	4.25	4.70	4.42	3.03
OOEP	1.00	0.96	3.10	5.08	4.05	3.51	4.17
OOSP1	1.14	0.79	0.00	0.00	2.09	1.70	0.13
OPA1	1.00	0.97	26.49	20.45	27.41	27.74	27.91
OPA3	-1.25	0.76	1.15	1.24	0.39	0.57	0.63
OPHN1	-1.16	0.43	19.84	16.75	13.97	18.91	15.15
OPLAH	1.55	0.08	43.35	42.14	35.77	38.73	97.35

OPTC	-2.00	0.01	14.79	7.41	9.14	7.25	3.16
OPTN	3.27	0.00	33.83	33.22	30.81	27.86	133.84
OR2AE1	-1.06	0.90	1.49	0.69	1.17	1.25	1.14
ORAI1	-1.14	0.72	7.00	10.43	4.44	10.64	5.30
ORAI2	1.95	0.01	4.01	2.61	1.70	3.51	6.57
ORAI3	1.35	0.06	16.17	24.57	22.58	16.19	25.25
ORAOV1	-1.05	0.89	8.83	10.16	6.79	6.57	6.82
ORC1	-3.63	0.00	5.73	6.45	8.75	6.57	0.76
ORC2	-1.02	0.95	38.19	29.78	30.94	29.67	29.80
ORC3	-1.45	0.03	19.38	13.31	16.84	15.40	9.72
ORC4	-1.05	0.81	33.94	30.88	41.12	41.22	31.95
ORC5	-1.81	0.00	9.63	12.22	13.71	13.36	6.31
ORC6	-1.51	0.01	11.70	14.14	13.05	13.82	7.95
ORM1	32.08	0.00	0.69	0.55	0.52	0.45	11.49
ORMDL1	1.03	0.85	51.49	57.51	51.83	59.79	58.08
ORMDL2	1.79	0.00	5.50	8.10	5.22	6.79	12.37
ORMDL3	-1.02	0.93	42.66	50.51	45.95	49.94	49.88
OS9	1.09	0.72	217.88	292.49	234.98	247.66	283.09
OSBP	-1.13	0.43	59.06	44.88	48.56	46.88	48.61
OSBPL10	-1.28	0.26	15.60	24.71	15.01	23.78	14.02
OSBPL11	-1.01	0.99	19.27	14.41	21.15	24.69	17.80
OSBPL1A	-1.15	0.36	32.34	31.57	34.07	33.97	24.24
OSBPL2	1.19	0.28	20.30	22.10	21.41	23.10	28.79
OSBPL3	12.19	0.00	0.46	0.27	0.39	0.57	7.20
OSBPL5	2.97	0.00	31.19	31.71	26.63	33.52	88.89
OSBPL6	2.03	0.00	13.65	9.75	16.45	10.87	40.15
OSBPL7	1.17	0.60	4.93	3.84	3.79	5.55	5.56
OSBPL8	-1.17	0.34	95.41	90.18	120.76	101.47	83.46
OSBPL9	1.17	0.30	43.35	36.65	58.75	46.77	57.20
OSCP1	1.00	0.99	2.18	1.92	1.57	2.15	1.77
OSER1	1.21	0.19	19.15	23.47	23.63	19.93	24.62
OSGEP	1.15	0.46	10.44	9.20	11.49	8.15	12.25
OSGEPL1	1.10	0.70	5.05	5.08	7.57	5.21	6.19
OSGIN1	5.97	0.00	1.03	0.41	0.26	0.68	5.81
OSGIN2	1.01	0.97	9.63	7.96	9.53	8.27	9.47
OSMR	22.87	0.00	14.10	17.71	12.40	24.01	515.80
OSR2	-1.32	0.65	3.78	3.57	3.92	10.64	4.42
OST4	-1.30	0.08	38.65	56.28	45.69	44.96	32.70
OSTC	1.01	0.96	92.43	120.51	103.52	91.84	107.71
OSTF1	1.04	0.83	35.78	49.41	42.95	36.58	44.95
OSTM1	1.36	0.03	38.76	37.06	32.11	33.52	48.87
OTUB1	1.12	0.51	18.00	20.04	19.97	21.97	24.12
OTUB2	-1.34	0.31	6.31	10.43	10.57	6.34	6.06
OTUD1	-1.20	0.38	7.00	6.45	8.62	7.70	6.82
OTUD3	-1.01	0.99	40.71	33.22	37.08	46.43	35.86
OTUD4	1.14	0.42	58.94	49.96	44.52	62.96	75.63
OTUD5	-1.35	0.03	76.95	77.69	70.89	70.10	48.61

OTUD6B	-1.17	0.38	22.13	17.71	23.11	18.80	14.52
OTUD7B	-1.19	0.27	34.29	29.10	28.72	26.95	27.27
OTULIN	1.13	0.51	20.18	20.04	16.45	21.06	19.32
OVGP1	2.30	0.01	1.38	0.69	0.91	2.15	3.66
OXA1L	1.94	0.00	23.05	27.73	20.23	21.52	47.60
OXCT1	1.69	0.00	44.61	43.92	43.34	45.18	68.82
OXLD1	-1.41	0.27	2.87	5.49	3.13	3.40	3.28
OXNAD1	-1.33	0.28	3.90	3.98	4.44	5.78	3.41
OXR1_1	1.16	0.33	29.24	36.24	34.33	42.13	38.89
OXR1_2	1.78	0.22	1.03	0.41	0.13	1.02	0.63
OXSM	1.20	0.53	2.41	3.43	3.13	3.40	3.41
OXSR1	-1.41	0.01	26.72	29.51	28.46	24.80	16.79
P2RX3	1.37	0.49	0.80	1.65	1.96	1.02	2.53
P2RX4	-1.43	0.03	18.12	24.98	20.10	18.01	16.16
P2RX5	1.97	0.00	4.82	5.63	4.83	4.53	9.34
P2RX6	-3.69	0.00	2.98	1.24	1.04	2.26	0.63
P2RY2	-1.36	0.06	14.45	13.18	12.01	10.98	8.97
P3H1	-1.91	0.00	262.38	321.18	313.44	246.42	134.60
P3H2	1.17	0.68	17.66	12.49	19.06	16.87	14.65
P3H3	-1.79	0.00	218.34	294.14	301.56	170.66	132.20
P3H4	-3.41	0.00	46.10	65.47	56.53	34.54	12.12
P4HA1	-1.61	0.00	547.57	691.64	721.79	553.42	330.95
P4HA2	-2.26	0.00	702.84	1064.56	874.53	929.95	282.33
P4HA3	-1.89	0.00	31.08	37.47	19.84	32.95	10.23
P4HB	-1.79	0.00	1460.72	1877.53	1561.33	1277.04	833.49
P4HTM	-2.06	0.00	18.00	15.10	13.97	17.67	6.44
PA2G4	-1.07	0.80	68.58	100.75	81.07	57.87	63.01
PAAF1	-1.18	0.31	14.45	14.27	17.23	14.72	13.64
PABPC1	2.24	0.00	281.18	327.91	334.98	313.00	736.27
PABPC1L	-1.78	0.23	1.38	0.96	3.52	1.70	0.63
PABPC1L2A_1	-1.51	0.25	1.61	1.65	1.57	2.60	1.64
PABPC1L2A_2	1.25	0.72	1.83	0.96	1.17	1.13	2.65
PABPC4	1.45	0.01	86.24	92.51	99.61	78.25	124.88
PABPC4L	-1.11	0.61	12.50	14.96	17.75	16.76	11.87
PABPC5	-1.11	0.73	3.67	2.88	4.18	3.74	3.03
PABPN1	-1.19	0.23	61.01	55.59	56.92	62.40	43.81
PACRGL	1.11	0.61	10.09	8.92	8.49	12.34	10.10
PACS1	1.64	0.00	12.84	14.00	12.92	14.95	24.24
PACS2	1.80	0.00	29.13	27.18	42.17	29.90	70.33
PACSin1	-2.95	0.00	8.60	6.04	6.53	7.25	1.52
PACSin2	1.77	0.00	97.93	90.45	85.51	108.71	192.56
PACSin3	-1.46	0.00	59.06	63.69	59.40	60.92	38.51
PAF1	1.41	0.13	5.05	6.18	5.09	4.53	6.44
PAFAH1B1	-1.20	0.24	186.35	157.71	175.98	193.31	137.00
PAFAH1B2	-1.23	0.21	86.24	120.37	101.17	111.77	74.12
PAFAH1B3	1.02	0.94	15.02	19.63	12.53	16.31	17.42
PAFAH2	3.91	0.00	7.34	9.75	4.83	6.45	30.94

PAG1_1	-3.50	0.01	1.72	1.65	1.31	0.57	0.25
PAGR1	1.21	0.26	12.73	17.16	17.75	12.68	18.44
PAH	10.17	0.00	0.23	0.14	0.26	0.11	1.77
PAICS	1.04	0.82	28.78	29.10	31.59	33.52	30.05
PAIP1	1.17	0.42	10.78	9.06	8.62	8.83	12.63
PAIP2	1.25	0.12	19.15	24.29	22.72	20.16	29.55
PAIP2B	2.34	0.00	11.58	7.55	8.75	9.29	16.79
PAK1	-3.20	0.00	7.91	4.53	6.53	4.19	1.26
PAK1IP1	-1.04	0.84	18.00	17.98	21.67	17.21	17.17
PAK2	1.15	0.35	57.11	68.22	64.62	64.78	69.19
PAK3	1.83	0.11	0.80	0.69	1.83	0.68	1.01
PAK4	-1.12	0.55	36.47	41.73	34.07	27.63	34.09
PAK6	-2.00	0.01	26.26	63.69	25.59	37.37	12.75
PALB2	-1.24	0.19	18.00	20.45	21.80	18.46	13.89
PALD1	4.11	0.00	0.34	1.24	0.91	0.91	4.67
PALLD	-1.03	0.85	54.24	43.92	62.14	53.45	58.97
PALM	-2.25	0.00	21.10	19.08	18.02	18.91	10.61
PALM2	-1.23	0.53	9.17	8.37	5.61	4.42	5.18
PALMD	-1.04	0.78	6.65	6.04	4.83	7.13	3.66
PAM	1.28	0.25	741.26	1109.31	677.40	1181.13	1063.43
PAM16	-1.71	0.05	4.47	7.00	5.09	3.85	4.04
PAMR1	-1.63	0.16	62.38	26.77	29.63	15.63	38.89
PAN2	1.18	0.36	17.32	15.10	17.36	20.04	20.46
PAN3	1.14	0.40	89.56	72.88	72.98	77.80	97.48
PANK1	1.06	0.79	16.86	13.31	16.71	15.74	16.92
PANK2	-1.26	0.21	16.97	11.67	15.93	13.70	12.12
PANK3	-1.03	0.86	20.64	19.22	22.58	19.59	20.71
PANK4	-1.26	0.10	31.08	26.63	28.33	28.76	21.84
PANX1	1.03	0.91	13.42	10.43	11.36	12.57	11.62
PANX2	-1.56	0.07	6.31	6.31	4.44	5.21	4.67
PAOX	-1.00	0.99	2.64	2.47	2.87	2.04	2.90
PAPD4	1.03	0.88	21.56	21.27	20.63	24.35	21.47
PAPD5	1.29	0.09	27.98	38.02	45.30	39.86	45.20
PAPD7	-1.66	0.00	66.17	65.06	65.66	75.53	40.15
PAPLN	9.35	0.00	14.79	3.84	5.87	18.35	95.46
PAPOLA	1.11	0.51	52.75	59.29	63.84	70.78	63.64
PAPOLG	1.02	0.95	16.86	13.18	14.75	14.83	17.30
PAPPA	-2.49	0.00	31.08	52.02	28.07	50.51	9.22
PAPPA2	-4.52	0.00	236.80	360.57	326.89	256.16	104.55
PAPSS1	1.51	0.01	217.19	236.22	170.36	217.88	318.83
PAPSS2	-3.68	0.00	847.56	1166.13	1228.31	674.02	151.14
PAQR3	-1.42	0.21	4.59	5.63	3.79	3.17	4.04
PAQR4	-4.82	0.00	23.51	20.73	25.98	17.89	3.03
PAQR6	1.22	0.55	2.06	0.96	3.13	2.04	3.28
PAQR7	7.70	0.00	1.38	0.55	0.39	0.57	5.81
PAQR8	-1.72	0.00	8.83	8.65	9.79	8.27	4.92
PARD3	2.21	0.00	27.87	28.27	29.24	31.93	65.03

PARD3B	1.06	0.83	3.67	1.92	3.92	5.32	3.66
PARD6A	1.10	0.87	1.26	0.96	1.17	0.57	1.01
PARD6G	-1.91	0.00	7.91	8.24	9.27	7.59	3.03
PARG	1.04	0.83	30.04	26.08	28.98	36.58	29.80
PARK7	-1.18	0.37	82.45	119.55	101.56	82.44	85.74
PARL	-1.08	0.65	29.59	31.16	28.59	32.95	29.55
PARM1	4.44	0.00	16.05	18.80	15.53	26.95	57.58
PARN	1.47	0.01	15.94	17.29	15.01	21.97	26.52
PARP1	-1.41	0.02	116.85	119.55	127.67	125.02	63.51
PARP10	3.71	0.00	4.24	3.57	3.39	2.15	14.14
PARP11	1.29	0.08	15.94	18.80	17.36	18.12	22.22
PARP12	-1.14	0.54	14.68	10.71	17.23	15.85	10.99
PARP14	3.39	0.00	0.92	1.24	0.91	1.93	3.16
PARP16	-1.32	0.06	26.15	24.02	28.85	20.72	18.18
PARP2	-1.29	0.07	30.62	26.08	25.59	29.44	21.72
PARP3	2.77	0.00	5.73	7.96	4.70	10.98	17.68
PARP4	1.68	0.00	26.03	19.35	23.76	25.48	44.70
PARP6	-1.03	0.90	28.32	22.10	26.50	31.59	21.47
PARP8	1.38	0.04	22.82	22.92	19.06	32.95	37.38
PARP9	1.54	0.08	4.93	2.88	3.66	5.32	5.56
PARPBP	-2.37	0.00	7.57	9.47	6.14	9.06	2.40
PARS2	-1.26	0.30	16.17	13.86	12.79	9.06	8.97
PARVA	-1.06	0.77	18.69	16.06	19.84	14.72	16.41
PATL1	1.21	0.27	53.21	40.49	43.21	50.51	60.86
PATZ1	-1.06	0.73	28.44	26.22	27.94	29.33	28.41
PAWR	1.30	0.24	7.22	8.24	15.53	4.42	14.90
PAX1	-1.71	0.09	3.21	4.67	5.74	2.83	1.01
PAX8	2.46	0.02	0.92	0.27	1.57	1.25	3.28
PAXBP1	1.04	0.88	90.13	70.41	96.47	93.20	90.03
PAXIP1	-1.65	0.00	26.38	26.08	27.55	27.74	16.04
PBDC1	1.14	0.49	10.32	10.16	9.14	12.91	11.36
PBK	-2.91	0.00	50.46	59.29	52.48	46.54	10.99
PBRM1	-1.38	0.06	120.41	102.53	73.63	85.84	63.39
PBX1	-1.56	0.01	24.08	22.37	19.45	31.37	13.26
PBX2	1.12	0.51	79.35	86.61	79.76	79.16	88.77
PBX3	-1.16	0.38	22.36	22.78	24.41	29.56	18.69
PBX4	-2.32	0.11	1.83	2.47	0.39	1.02	1.01
PBXIP1	1.77	0.00	60.20	67.26	53.78	54.36	122.61
PC	-1.66	0.00	53.78	70.14	45.82	38.39	23.99
PCBD2	1.14	0.60	11.24	11.67	12.27	10.31	17.17
PCBP1	-1.33	0.05	111.23	136.30	123.89	110.98	80.31
PCBP2	1.15	0.39	243.57	262.57	261.22	239.85	272.61
PCBP4	-1.09	0.66	23.51	21.69	23.89	16.08	20.33
PCCA	1.02	0.92	10.44	13.31	11.23	13.48	14.02
PCCB	-1.20	0.33	12.38	14.14	13.19	10.98	7.95
PCDH1	1.70	0.21	2.64	4.53	6.27	2.04	6.82
PCDH10	-2.26	0.00	54.36	56.82	52.09	35.22	17.68

PCDH11X	-1.43	0.05	22.48	14.96	17.49	25.03	16.04
PCDH12	1.24	0.57	2.64	2.47	5.09	4.42	3.16
PCDH18	-1.83	0.02	5.50	6.45	7.44	7.59	2.27
PCDH19	-5.11	0.00	8.94	5.76	8.09	6.00	0.38
PCDH7	1.78	0.00	11.35	7.69	16.19	11.10	20.46
PCDH8	-1.54	0.28	1.15	1.92	1.04	1.70	0.25
PCDH9	-1.26	0.52	2.64	2.06	2.48	4.19	2.90
PCDH1A13_2	-3.71	0.00	5.73	9.06	8.88	9.74	1.26
PCDH1B14	1.14	0.79	0.69	1.10	0.52	1.13	1.01
PCDHGA2	1.05	0.85	4.93	6.04	4.05	7.25	5.43
PCDHGB4	1.21	0.56	3.67	2.20	3.13	3.74	3.03
PCED1A	-1.20	0.34	19.72	16.61	22.85	23.89	15.53
PCF11	1.07	0.71	70.18	62.45	81.33	75.53	69.95
PCGF1	1.03	0.94	5.62	7.82	7.18	5.66	7.45
PCGF2	-1.02	0.97	46.21	43.92	36.29	58.89	42.30
PCGF3	1.06	0.72	24.20	20.59	18.93	14.27	20.83
PCGF5	1.69	0.01	6.42	4.12	4.57	5.10	9.60
PCGF6	-1.11	0.67	5.85	5.22	5.87	7.13	4.92
PCID2	1.04	0.81	26.49	24.98	26.50	25.37	28.79
PCIF1	1.00	0.99	39.68	37.33	33.68	39.18	39.40
PCK2	2.51	0.00	6.54	6.04	6.27	5.32	24.37
PCM1	-1.34	0.04	206.87	167.86	183.94	209.16	138.01
PCMT1	-1.24	0.16	32.34	38.29	33.94	29.78	25.51
PCMTD1	1.56	0.00	64.56	62.86	68.15	88.44	107.58
PCMTD2	1.92	0.00	24.43	18.39	31.20	31.03	47.86
PCNA	-2.45	0.00	118.23	115.57	109.14	113.13	32.07
PCNP	-1.03	0.89	107.91	126.28	124.41	115.85	110.86
PCNT	-2.18	0.00	214.10	206.71	195.04	193.99	87.25
PCNX1	1.71	0.00	79.70	68.35	63.71	79.04	158.97
PCNX3	1.05	0.80	77.98	65.61	71.67	73.95	69.83
PCNX4	-1.02	0.92	13.19	16.61	15.27	18.46	15.03
PCOLCE	-1.08	0.67	22.36	24.16	27.41	22.65	20.20
PCOLCE2	-2.40	0.00	131.19	155.10	163.57	108.71	40.53
PCP4	-2.57	0.16	5.05	1.92	2.61	0.34	1.64
PCSK4	-2.12	0.06	1.72	2.20	1.04	2.26	0.13
PCSK6	6.12	0.00	5.28	6.45	4.18	14.95	53.03
PCSK7	-1.08	0.65	23.62	23.75	22.58	25.14	23.23
PCTP	-1.07	0.83	8.03	5.63	8.75	10.76	7.58
PCYOX1	-1.46	0.01	33.83	32.67	34.07	30.80	15.78
PCYOX1L	-2.31	0.00	43.23	33.63	47.65	18.23	16.67
PCYT1A	1.06	0.80	13.42	15.65	18.15	19.59	18.81
PCYT1B	-1.65	0.17	1.49	1.51	1.70	1.59	0.25
PCYT2	-1.50	0.01	31.88	46.67	40.08	30.58	23.36
PDAP1	-1.21	0.29	205.38	146.32	151.04	158.43	187.26
PDCD1	1.03	0.88	12.73	17.16	15.27	14.95	18.18
PDCD10	-1.01	0.97	17.09	21.96	19.19	16.53	21.34
PDCD11	1.08	0.66	37.73	33.49	37.73	32.95	41.92

PDCD2	1.03	0.93	8.03	7.82	10.05	8.72	8.97
PDCD2L	-1.17	0.58	2.98	4.39	3.79	3.51	4.29
PDCD4	1.28	0.08	110.55	117.35	108.74	111.43	146.60
PDCD5	-1.13	0.62	5.73	7.69	6.27	5.89	5.68
PDCD6	-1.27	0.08	35.32	35.00	41.64	38.96	33.84
PDCD6IP	1.36	0.07	203.89	249.12	166.97	239.40	327.03
PDCD7	1.05	0.84	15.14	14.00	15.67	14.27	17.55
PDCL	-1.58	0.00	27.64	25.26	25.20	22.54	13.01
PDCL3	-1.03	0.88	18.23	25.67	21.15	18.12	22.85
PDDC1	-1.30	0.11	54.01	76.04	66.97	72.02	40.53
PDE10A	-1.00	0.94	2.52	1.92	3.52	2.83	2.02
PDE12	-1.09	0.80	2.75	4.39	3.52	4.19	2.40
PDE2A	-1.13	0.65	0.57	0.82	2.09	1.59	0.63
PDE3A	-1.70	0.01	13.53	17.02	17.62	11.78	7.32
PDE3B	-1.80	0.00	135.32	109.81	103.91	146.76	60.10
PDE4A	-1.04	0.85	12.38	9.88	11.62	11.55	8.71
PDE4B	7.32	0.00	49.77	40.49	49.48	46.43	455.70
PDE4C	-2.13	0.37	0.11	1.37	0.26	1.59	0.25
PDE4D	-1.39	0.03	33.26	23.75	25.20	28.76	19.32
PDE5A_1	1.30	0.63	0.69	0.41	0.78	1.36	1.64
PDE6D	1.04	0.88	11.35	13.45	10.84	13.93	13.89
PDE7A	1.96	0.00	15.60	11.53	9.14	18.69	34.22
PDE7B	-2.10	0.00	30.62	24.57	19.06	29.22	11.36
PDE8A	-1.06	0.79	31.65	42.55	35.38	47.11	37.12
PDE8B	1.33	0.37	10.66	9.47	13.97	11.66	13.51
PDF	-1.19	0.62	3.67	4.39	3.79	2.26	3.28
PDGFA	-1.11	0.80	4.36	3.43	6.79	3.62	4.04
PDGFB	1.80	0.28	1.03	0.41	2.48	0.57	0.76
PDGFC	16.76	0.00	1.72	0.41	0.26	2.83	32.70
PDGFD	3.67	0.00	0.69	0.41	0.91	1.59	2.02
PDGFRA	-1.06	0.74	345.06	359.61	296.08	365.66	309.61
PDGFRB	1.72	0.00	14.45	17.71	19.06	12.00	22.60
PDGFRL	-3.16	0.00	182.91	275.47	200.26	176.55	46.21
PDHA1	-1.12	0.49	52.41	53.67	63.71	49.49	44.57
PDHB	-1.05	0.77	25.57	24.43	24.02	19.70	17.30
PDHX	1.24	0.18	13.88	12.49	10.97	11.21	16.04
PDIA3	-1.15	0.59	1714.04	1607.41	1118.13	947.62	1092.22
PDIA4	-1.11	0.53	275.45	324.75	302.61	262.38	236.88
PDIA5	-1.51	0.01	45.30	53.80	67.49	49.15	46.47
PDIA6	-1.03	0.87	308.02	504.42	348.56	359.21	336.50
PDIK1L	-1.33	0.34	3.10	4.53	3.26	3.28	1.52
PDK1	1.10	0.70	116.39	134.65	213.70	167.03	138.26
PDK2	1.38	0.11	7.91	5.22	4.96	7.02	9.72
PDK3	2.62	0.00	16.74	10.16	16.45	13.25	41.16
PDK4	-1.72	0.04	5.62	5.35	3.26	6.12	1.89
PDLIM1	-1.12	0.55	16.51	19.76	13.05	15.40	18.81
PDLIM2	1.21	0.51	5.16	4.39	4.70	3.17	6.19

PDLIM4	2.30	0.00	12.50	16.06	11.49	15.29	31.57
PDLIM5_1	1.25	0.18	73.05	64.24	82.37	99.65	115.41
PDLIM5_2	1.17	0.56	12.16	8.65	10.84	13.25	17.05
PDLIM7	-1.34	0.05	70.18	65.33	64.36	85.05	42.30
PDP1	1.77	0.00	8.49	8.65	9.66	9.97	21.09
PDP2	1.32	0.07	17.89	18.39	18.67	14.27	19.07
PDPK1	-1.25	0.13	82.11	61.22	65.93	65.00	54.04
PDPN	3.48	0.00	82.34	108.71	61.88	114.38	291.68
PDPR	1.05	0.77	28.21	22.51	19.19	29.78	24.62
PDRG1	1.17	0.36	14.56	12.22	12.40	11.21	14.90
PDS5A	1.14	0.42	105.50	95.67	110.70	123.21	119.20
PDS5B	-1.16	0.37	305.03	313.77	290.33	279.37	228.04
PDSS1	-1.37	0.34	3.78	2.47	5.22	3.28	1.77
PDSS2	-1.15	0.50	11.35	9.88	9.79	8.38	9.34
PDXDC1	-1.45	0.01	183.59	165.94	181.85	164.43	112.38
PDXK	8.18	0.00	9.06	11.12	12.53	10.76	123.24
PDXP	-1.30	0.34	4.59	5.22	4.83	7.70	2.40
PDZD11	-1.62	0.00	42.20	47.63	36.16	33.29	19.82
PDZD2	-2.27	0.00	75.23	42.00	37.08	90.37	22.22
PDZD4	-1.37	0.23	8.26	10.02	9.14	4.76	6.69
PDZD7	-2.76	0.00	5.05	5.08	5.35	3.06	1.01
PDZD8	-1.34	0.10	86.35	120.37	78.20	75.65	66.16
PDZK1	1.03	0.91	4.01	2.88	3.00	4.64	4.29
PDZRN3	-2.15	0.00	138.53	157.30	134.59	111.09	61.74
PDZRN4	-5.55	0.00	1.83	1.24	1.70	1.59	0.00
PEA15	-1.01	0.96	7.57	8.10	6.40	7.93	7.83
PEAK1	1.28	0.20	16.28	15.78	18.02	25.93	19.70
PEAR1	1.61	0.12	2.64	1.37	2.35	2.38	3.28
PEBP1	-1.26	0.12	117.54	137.12	133.29	121.85	96.72
PECAM1	-1.01	0.77	5.39	6.45	14.49	7.02	3.91
PECR	1.36	0.27	2.41	2.33	2.48	2.15	2.78
PEF1	1.06	0.77	24.20	25.80	26.24	23.10	24.37
PEG10	-6.90	0.00	3387.72	4841.18	2271.89	2397.47	225.14
PELI1	1.58	0.00	19.38	23.88	22.45	32.61	35.61
PELI2	1.15	0.76	5.73	6.18	14.88	3.40	7.07
PELI3	-1.08	0.94	1.83	1.65	0.52	0.79	0.63
PELP1	-1.05	0.79	27.41	25.94	22.19	25.93	26.01
PEMT	-1.96	0.00	7.80	7.55	7.31	5.21	3.03
PENK	1.08	0.80	1.95	6.18	1.70	2.15	1.89
PEPD	1.21	0.30	13.53	14.00	15.80	12.68	18.44
PER1	1.10	0.57	34.40	25.12	22.45	29.90	35.48
PER2	1.14	0.47	19.04	13.86	13.32	27.97	22.35
PER3	1.10	0.70	53.55	25.80	31.98	38.96	51.01
PERP	3.41	0.00	0.69	0.69	0.78	3.17	5.56
PES1	-1.20	0.23	38.99	41.31	37.60	31.48	30.18
PET100	1.59	0.08	1.49	3.71	3.66	1.81	4.04
PEX1_1	1.07	0.87	1.03	0.82	1.57	0.45	1.52

PEX1_2	-1.30	0.14	11.47	9.88	10.57	10.64	7.70
PEX10	-1.03	0.91	22.48	16.61	19.06	20.61	18.06
PEX11A	1.15	0.57	5.62	4.94	5.61	5.21	5.43
PEX11B	1.10	0.66	10.66	10.84	9.14	10.42	10.10
PEX11G	-1.12	0.66	9.17	16.61	14.62	17.55	10.48
PEX12	1.05	0.84	8.26	7.27	7.70	7.70	8.08
PEX13	-1.11	0.57	15.83	18.67	20.23	14.95	16.04
PEX14	-1.08	0.76	5.85	6.45	5.35	7.25	6.44
PEX16	1.23	0.29	8.94	8.78	7.70	8.83	8.84
PEX19	-1.26	0.24	21.21	23.33	29.11	16.42	16.67
PEX2	1.91	0.00	6.08	6.31	3.52	4.76	9.34
PEX26	-1.13	0.65	11.12	6.31	6.92	8.83	8.84
PEX3	1.31	0.10	11.24	8.78	11.75	11.78	15.66
PEX5	1.09	0.69	27.98	30.61	24.54	29.33	39.27
PEX5L	-1.66	0.20	2.06	3.57	2.48	1.25	0.63
PEX6	-1.31	0.07	35.55	27.04	36.16	34.09	26.01
PEX7	1.30	0.17	9.86	10.57	7.31	8.15	14.39
PFAS	-1.19	0.36	29.82	23.61	18.02	21.40	19.95
PFDN1	-1.20	0.29	16.51	20.31	16.45	15.97	16.54
PFDN2	1.04	0.85	17.32	23.47	20.10	14.38	22.73
PFDN4	-1.63	0.00	20.76	23.88	23.50	15.40	13.38
PFDN5	1.33	0.07	47.82	86.61	64.88	56.62	92.18
PFDN6	1.15	0.50	7.80	14.69	9.92	8.15	13.64
PFKFB2	1.16	0.46	12.61	7.14	8.88	9.74	12.12
PFKFB3	1.54	0.04	35.43	101.98	90.34	40.88	116.29
PFKFB4	3.09	0.00	4.13	5.49	3.92	4.53	15.66
PFKL	1.04	0.77	40.82	92.37	83.03	66.25	59.35
PFKM	-1.26	0.12	23.85	24.16	25.20	21.40	15.91
PFKP	2.09	0.00	18.69	22.92	26.11	21.52	63.13
PFN1	1.24	0.20	38.99	48.59	38.64	38.73	54.42
PFN2	-2.47	0.00	89.90	82.49	120.76	54.92	33.33
PGAM1	1.30	0.11	96.33	178.71	160.70	126.61	178.29
PGAM5	1.09	0.61	16.63	16.61	15.67	15.40	16.29
PGAP1	-2.73	0.00	40.59	54.63	23.24	21.86	11.87
PGAP2	1.45	0.01	22.48	17.84	17.88	25.03	29.17
PGAP3	-1.11	0.57	34.06	27.73	28.59	37.14	29.93
PGBD1	-1.03	0.88	2.87	3.71	3.13	3.62	4.67
PGBD2	-1.42	0.34	2.75	3.02	3.92	1.59	1.52
PGD	-1.04	0.85	50.23	70.55	60.83	54.13	51.01
PGF	-1.09	0.71	2.75	3.29	6.14	19.02	5.81
PGGT1B	-1.01	0.98	10.09	9.20	12.14	9.74	10.48
PGK1	1.01	0.89	340.93	709.34	618.79	427.95	416.31
PGLS	1.05	0.83	15.37	17.98	15.01	16.19	19.70
PGLYRP1	1.38	0.32	0.34	2.47	1.04	0.68	1.52
PGLYRP4	5.57	0.00	0.11	0.27	0.39	0.11	1.52
PGM1	-1.02	0.92	99.42	126.83	101.43	104.18	104.42
PGM2	1.41	0.03	14.22	13.18	12.53	12.80	22.22

PGM2L1	1.05	0.90	2.64	2.33	4.05	4.87	5.05
PGM3	-1.99	0.00	85.66	93.20	94.12	75.31	43.44
PGP	-1.36	0.07	16.40	21.82	18.93	15.63	14.65
PGPEP1	2.25	0.00	12.61	11.80	9.27	12.34	29.80
PGRMC1	-1.17	0.30	60.32	76.45	65.40	69.87	61.74
PGRMC2	1.01	0.84	112.15	211.38	115.79	95.46	129.17
PGS1	2.67	0.00	20.53	22.24	14.49	20.84	57.33
PHACTR1	-1.16	0.68	6.42	18.80	12.79	8.72	4.17
PHACTR2	-2.58	0.00	114.45	66.57	83.81	78.25	29.04
PHACTR4	-1.23	0.26	45.07	27.73	40.60	46.54	34.85
PHAX	1.07	0.74	33.14	41.86	39.69	33.29	40.53
PHB	1.18	0.34	16.51	23.33	28.07	16.87	25.13
PHB2	1.24	0.17	30.50	44.33	35.38	32.39	51.77
PHC1	1.10	0.54	23.62	22.10	20.63	24.01	25.76
PHC2	3.33	0.00	40.94	44.06	36.03	49.71	176.14
PHC3	-1.34	0.09	64.56	51.88	36.68	49.03	37.12
PHEX	5.04	0.00	4.13	1.24	2.22	1.13	16.04
PHF1	1.03	0.87	41.17	37.33	36.81	43.94	37.50
PHF10	-1.33	0.03	39.79	44.20	46.74	42.47	30.68
PHF11	2.13	0.00	23.62	12.49	15.67	30.46	48.61
PHF12	-1.17	0.28	68.92	62.45	59.53	69.19	52.78
PHF13	-1.41	0.02	17.89	21.82	18.15	17.55	13.38
PHF14	-1.16	0.38	31.54	24.57	28.98	32.39	24.50
PHF19	-1.59	0.00	83.25	97.18	62.92	82.78	38.26
PHF2	-1.21	0.24	109.06	107.75	85.38	103.50	69.70
PHF20	1.38	0.02	25.11	25.39	25.06	27.18	39.90
PHF20L1	-1.11	0.64	8.72	9.06	8.35	7.47	6.82
PHF21A	1.22	0.17	23.85	32.80	22.72	27.18	32.32
PHF23	1.32	0.05	26.72	35.41	26.24	28.08	43.18
PHF3	1.18	0.26	73.05	61.35	63.31	72.82	82.20
PHF5A	-1.12	0.65	95.07	136.84	115.66	72.36	124.63
PHF6_1	-1.69	0.00	20.76	21.27	20.37	17.78	9.98
PHF6_2	-1.62	0.01	85.66	86.61	87.07	67.72	36.49
PHF7	1.21	0.52	4.93	2.88	4.18	4.08	3.79
PHF8	1.23	0.21	69.72	38.02	42.17	60.36	71.34
PHGDH	-3.69	0.00	142.31	154.14	146.99	100.79	28.79
PHIP	-1.02	0.96	99.08	95.39	99.48	131.48	102.53
PHKA1	-1.15	0.37	33.83	29.37	37.34	35.90	28.54
PHKA2	1.89	0.00	7.80	9.06	11.10	9.63	17.17
PHKB	-1.35	0.04	48.51	49.41	52.35	67.15	38.76
PHKG1	-1.13	0.84	2.87	1.24	1.17	1.81	1.14
PHKG2	1.00	1.00	10.21	10.43	7.70	10.87	12.50
PHLDA1	3.20	0.00	8.94	7.82	6.27	19.02	38.64
PHLDB1	1.49	0.01	238.75	241.71	191.77	304.74	378.80
PHLDB2	3.34	0.00	8.72	7.96	8.88	12.00	30.05
PHLDB3	2.07	0.02	1.03	0.96	1.70	1.02	2.02
PHLPP1	-1.02	0.92	24.77	26.90	19.58	21.97	20.33

PHLPP2	1.00	0.99	18.12	12.35	13.58	13.93	18.56
PHOSPHO2	1.35	0.08	6.88	7.69	9.01	7.93	10.73
PHOX2B	1.30	0.60	0.57	1.10	0.52	1.02	0.76
PHPT1	1.17	0.49	12.50	16.88	16.32	11.55	21.09
PHRF1	-1.07	0.71	49.42	45.02	40.08	41.11	39.40
PHTF1	1.68	0.01	8.60	5.90	6.40	5.78	14.52
PHTF2	-2.15	0.00	105.16	94.02	105.22	118.34	35.48
PHYH	1.36	0.11	12.61	16.47	9.27	14.50	22.35
PHYHD1	1.37	0.14	7.11	6.59	5.09	7.13	7.58
PHYKPL	-1.35	0.15	14.45	8.37	12.14	9.74	9.09
PI15	1.41	0.62	23.39	7.69	3.00	33.52	15.28
PI3	-1.13	0.93	2.98	12.08	8.09	4.08	5.56
PI4K2A	1.30	0.07	17.43	15.65	15.93	20.38	25.25
PI4K2B	1.04	0.86	23.51	16.20	16.97	18.91	21.47
PI4KA	1.44	0.01	24.88	24.84	28.07	25.37	38.76
PI4KB	-1.00	1.00	29.24	28.69	28.07	36.80	30.30
PIANP	2.54	0.04	0.57	0.82	0.13	0.45	0.63
PIAS1	1.01	0.93	46.67	31.84	38.90	42.92	41.04
PIAS2	-1.11	0.53	134.17	129.16	128.85	129.78	134.85
PIAS3	-1.01	0.99	25.80	29.78	21.28	26.95	23.36
PIAS4	1.07	0.83	11.58	11.53	10.44	12.68	11.36
PIBF1	1.02	0.92	6.31	7.00	7.44	4.53	5.93
PICALM	-1.21	0.25	361.11	342.46	366.05	366.45	247.11
PICK1	2.08	0.03	2.06	1.78	0.78	0.45	2.78
PID1	1.12	0.54	50.57	62.18	61.75	53.68	53.16
PIDD1	-1.01	0.85	9.52	6.31	9.27	7.93	6.57
PIEZ01	4.11	0.00	86.69	99.10	77.54	165.56	483.98
PIEZ02	-1.13	0.57	134.63	151.12	123.24	201.12	129.05
PIF1	-2.45	0.03	1.38	1.65	1.70	0.79	0.51
PIGA	-1.04	0.88	13.42	10.57	17.10	14.04	13.26
PIGB	1.02	0.92	11.58	10.98	10.84	12.68	10.86
PIGF	-1.27	0.32	4.24	4.67	5.48	5.21	3.79
PIGG	1.06	0.75	15.37	13.59	13.05	16.76	16.16
PIGH	-1.12	0.63	6.19	6.59	5.87	7.70	4.67
PIGK	-1.29	0.09	42.66	53.39	44.65	40.31	35.99
PIGL	2.01	0.00	10.66	8.78	8.35	7.47	27.78
PIGM	1.59	0.00	7.11	9.33	7.44	8.49	13.01
PIGN	-1.16	0.39	42.43	31.71	44.78	39.86	33.33
PIGO	-1.34	0.12	197.81	117.08	144.91	183.68	108.59
PIGP	1.29	0.13	9.06	11.67	13.19	8.95	12.25
PIGQ	1.04	0.81	33.71	34.86	27.41	42.01	30.05
PIGS	1.09	0.71	82.11	78.51	83.42	59.34	85.10
PIGT	-1.24	0.11	40.59	40.77	37.73	42.92	33.84
PIGU	-1.28	0.20	11.70	18.53	14.75	12.68	11.62
PIGV	-1.20	0.41	23.39	16.61	13.45	22.31	14.02
PIGW	1.31	0.17	53.32	111.73	59.27	65.34	99.88
PIGX	2.16	0.00	4.59	3.71	6.27	6.57	11.62

PIGZ	-4.25	0.00	14.45	15.24	4.05	2.49	2.53
PIH1D1	1.13	0.49	13.65	14.00	9.53	10.31	13.76
PIK3AP1	4.37	0.00	2.75	1.78	1.96	3.06	16.29
PIK3C2A	-1.12	0.49	60.89	63.96	72.98	82.10	59.35
PIK3C2B	1.29	0.17	11.47	8.78	11.88	15.06	15.78
PIK3C3	1.27	0.10	22.25	16.61	21.28	21.52	29.42
PIK3CA	1.46	0.01	31.31	34.86	33.29	35.67	54.67
PIK3CB	1.24	0.65	1.72	0.69	1.04	1.02	1.89
PIK3CD	1.85	0.22	1.15	1.10	0.52	0.45	1.39
PIK3IP1	2.31	0.00	13.42	8.37	6.79	8.83	23.99
PIK3R1	1.83	0.00	35.55	33.22	31.07	30.01	57.58
PIK3R2	-1.38	0.02	103.90	110.08	99.61	110.07	58.71
PIK3R3	4.06	0.00	42.20	35.00	14.75	37.60	119.32
PIK3R4	1.08	0.62	59.75	46.67	46.34	62.62	59.35
PIK3R5	99.14	0.00	0.00	0.14	0.13	0.00	9.98
PIKFYVE	-1.40	0.02	33.71	38.98	29.50	43.03	26.01
PIM1	-1.40	0.09	7.68	8.51	10.70	8.38	5.30
PIM2	1.01	0.97	6.77	4.94	5.35	7.02	6.69
PIM3	1.00	0.99	13.19	13.45	14.88	12.00	16.79
PIN1	1.21	0.20	31.76	44.33	39.29	36.58	46.21
PIN4	-1.09	0.72	5.85	6.86	5.61	5.44	4.92
PINK1	2.14	0.00	10.78	13.45	9.14	10.53	30.81
PINX1	-1.17	0.73	0.92	2.47	2.09	1.70	2.27
PIP4K2A	1.65	0.00	32.68	49.82	41.91	30.46	63.89
PIP4K2B	1.13	0.50	17.32	18.12	16.06	19.14	17.05
PIP4K2C	1.54	0.00	39.10	28.41	31.98	36.58	52.91
PIP5K1A	-1.07	0.70	71.79	68.22	66.45	73.04	65.91
PIP5K1C	-1.17	0.34	19.49	20.86	17.36	18.35	17.30
PIR	-1.03	0.97	8.60	8.24	5.61	4.53	7.83
PISD	1.53	0.00	12.84	12.63	11.10	12.12	19.45
PITHD1	-1.02	0.91	23.28	23.20	24.67	24.91	24.24
PITPNA	1.16	0.38	18.23	20.45	15.53	16.99	24.24
PITPNB	1.16	0.30	44.04	42.69	45.04	53.45	55.31
PITPNC1	1.18	0.67	47.36	80.71	53.13	55.83	33.08
PITPNM1	4.09	0.00	3.90	4.53	2.35	6.00	18.56
PITPNM2	1.59	0.01	11.81	10.98	9.27	18.69	24.37
PITRM1	1.08	0.68	31.42	31.84	39.69	30.12	38.64
PITX1	-1.01	0.88	71.33	73.84	70.49	53.34	86.37
PIWIL2	-1.26	0.69	2.87	0.55	1.57	0.34	0.25
PJA1	-1.30	0.16	28.10	22.51	34.33	20.50	20.46
PJA2	-1.28	0.08	92.66	95.12	92.69	94.78	65.53
PKD1	-1.20	0.41	663.05	664.60	576.23	1071.62	408.22
PKD1L3	1.31	0.32	4.01	2.06	3.52	3.40	3.91
PKD2	-1.02	0.89	99.08	92.65	101.30	104.86	87.63
PKD2L1	-1.22	0.48	14.10	13.59	6.27	13.02	9.98
PKDCC	1.12	0.59	82.45	77.28	93.47	121.06	129.05
PKIB	-2.21	0.00	6.65	5.76	9.01	4.98	2.02

PKIG	2.36	0.00	2.52	1.51	1.17	2.60	5.43
PKM	1.39	0.05	638.97	1080.90	787.06	740.16	1183.26
PKMYT1	-2.39	0.00	20.87	16.61	19.45	16.08	6.31
PKN1	1.79	0.00	19.27	19.22	18.80	21.29	36.87
PKN2	-1.16	0.29	40.48	38.43	41.12	45.30	32.32
PKN3	3.29	0.00	10.66	8.78	5.35	35.56	45.08
PKNOX1	1.05	0.83	9.98	9.06	8.22	8.72	9.09
PKNOX2	-2.70	0.00	3.90	4.80	5.61	4.42	1.77
PKP1	7.56	0.00	1.26	1.37	3.13	2.60	26.52
PKP2	44.26	0.00	0.34	0.00	0.13	0.11	12.63
PKP4	-1.05	0.76	38.87	34.04	33.68	31.93	36.11
PLA1A	3.35	0.00	1.38	0.96	2.22	1.70	8.08
PLA2G12A	1.35	0.04	26.60	22.65	25.85	30.35	39.40
PLA2G15	1.67	0.02	3.67	4.25	4.70	6.57	6.31
PLA2G16	3.64	0.00	1.15	1.51	1.04	1.59	5.68
PLA2G4A	1.16	0.48	59.63	64.51	46.08	86.86	99.88
PLA2G4B	1.60	0.11	5.28	2.06	4.05	3.96	5.68
PLA2G4F	25.20	0.00	0.69	0.41	0.00	0.57	9.60
PLA2G5	-1.86	0.17	4.24	1.92	7.57	9.63	1.14
PLA2G6	1.25	0.30	5.73	5.22	4.96	6.12	6.94
PLA2R1	4.59	0.00	25.34	20.18	20.10	18.12	147.35
PLAA	1.53	0.00	16.63	17.02	14.88	16.31	29.04
PLAC9	-2.29	0.00	21.10	26.90	31.59	19.14	10.86
PLAG1	1.23	0.40	8.72	8.65	4.96	12.80	8.46
PLAGL1	-2.71	0.00	371.09	322.28	325.45	322.86	100.26
PLAGL2	1.32	0.07	18.46	18.26	23.11	20.95	26.39
PLAT	8.96	0.00	3.78	5.22	3.13	4.76	47.98
PLAU	1.07	0.99	1.72	1.10	3.66	1.02	0.76
PLAUR	2.19	0.00	40.14	38.02	28.07	46.32	102.78
PLB1	2.70	0.02	0.46	0.41	0.00	1.59	2.02
PLBD2	1.67	0.00	68.23	91.69	66.45	68.29	139.65
PLCB1	1.75	0.00	27.41	18.12	21.54	28.65	45.33
PLCB2	-1.05	0.79	2.18	2.20	1.17	2.26	0.51
PLCB3	1.25	0.15	16.28	14.00	12.14	15.74	17.80
PLCB4	-1.05	0.83	17.77	10.02	17.10	10.87	16.04
PLCD1	-2.29	0.00	337.14	258.32	327.67	264.88	108.97
PLCD3	2.27	0.00	5.05	3.43	4.96	5.55	9.22
PLCD4	1.06	0.75	46.44	18.26	24.93	42.24	22.85
PLCE1	-2.26	0.00	201.71	161.00	176.24	177.57	65.15
PLCG1	-1.97	0.00	88.99	81.94	91.90	81.20	30.68
PLCG2	1.51	0.04	23.85	17.71	21.93	64.89	40.66
PLCH1	-14.64	0.00	5.73	3.57	2.35	0.68	0.25
PLCH2	2.29	0.02	1.26	0.96	0.52	1.59	1.64
PLCL1	-1.90	0.03	5.96	3.16	5.61	3.17	1.77
PLCL2	1.16	0.40	11.35	16.61	11.62	14.95	13.64
PLCXD1	1.48	0.45	1.95	1.92	2.48	1.36	1.39
PLCXD2	1.85	0.09	5.62	1.37	1.17	4.64	7.83

PLCXD3	-1.51	0.64	1.03	1.37	0.65	4.30	1.01
PLD1	1.75	0.00	4.36	3.84	4.18	6.12	7.70
PLD2	-1.16	0.43	41.28	26.35	34.20	36.46	21.84
PLD3	-1.07	0.71	299.19	375.12	322.84	310.51	295.85
PLD5	-1.24	0.61	1.95	2.33	2.74	4.64	1.52
PLEKHA1	1.94	0.00	6.65	10.84	10.44	11.55	17.93
PLEKHA2	1.61	0.05	2.98	3.84	2.09	4.53	5.18
PLEKHA3	-1.00	0.98	24.77	29.37	24.28	24.69	27.27
PLEKHA4	7.55	0.00	8.83	10.16	6.40	8.83	103.92
PLEKHA5	1.47	0.01	43.81	57.92	54.83	40.77	81.44
PLEKHA6	1.24	0.34	4.93	3.43	2.35	9.40	5.68
PLEKHA7	-3.14	0.00	19.95	11.39	30.16	5.55	8.71
PLEKHA8	-1.16	0.43	11.35	10.29	10.18	12.46	11.74
PLEKHB1	-3.30	0.00	21.33	10.43	22.32	5.66	3.54
PLEKHB2	1.20	0.43	20.53	17.29	18.41	14.83	18.18
PLEKHF1	1.85	0.00	3.44	5.76	5.48	4.64	8.84
PLEKHF2	-1.14	0.40	35.21	42.41	40.08	36.58	27.15
PLEKHG1_2	1.74	0.00	34.40	48.86	31.46	69.30	78.54
PLEKHG2	-1.20	0.27	26.83	19.63	21.15	23.33	22.10
PLEKHG3	-1.45	0.02	55.27	57.24	38.25	59.00	31.06
PLEKHG4	-1.80	0.19	1.61	0.96	0.78	2.15	0.63
PLEKHG5	-1.33	0.33	8.03	4.94	6.27	10.98	4.04
PLEKHH2	1.41	0.05	74.42	45.02	80.68	95.12	90.66
PLEKHH3	1.31	0.13	10.89	8.24	10.31	10.42	14.77
PLEKHZ1	1.02	0.91	12.38	8.24	7.05	8.72	8.84
PLEKHM1	1.01	0.96	21.10	21.27	15.14	17.67	17.17
PLEKHM2	1.12	0.44	37.50	38.57	34.73	39.86	42.05
PLEKHM3	-1.53	0.25	13.42	10.43	4.83	5.21	6.19
PLEKHN1	1.41	0.47	0.80	0.27	1.70	1.47	0.76
PLEKHO1	-1.01	0.99	7.57	8.10	7.05	12.12	8.46
PLEKHO2	3.71	0.00	17.77	20.04	11.62	17.33	63.13
PLEKHS1	623.26	0.00	0.00	0.00	0.13	0.00	55.18
PLGRKT	-1.02	0.91	14.91	17.71	15.01	15.40	15.53
PLIN1	-1.10	0.72	5.85	3.98	5.35	5.55	4.04
PLIN2	5.15	0.00	62.04	53.26	66.58	30.46	407.21
PLIN3	-1.17	0.47	15.37	19.22	19.84	11.89	12.63
PLK1	-1.96	0.00	43.35	44.20	29.90	31.82	23.49
PLK2	2.69	0.00	1.95	1.24	4.31	3.74	12.00
PLK3	1.34	0.18	7.45	9.75	9.79	7.25	11.36
PLK4	-2.30	0.00	48.97	37.88	39.03	39.86	13.26
PLOD1	-1.60	0.00	418.33	590.34	490.72	401.33	256.96
PLOD2	-1.32	0.11	1469.21	1396.86	2063.93	1331.85	949.41
PLOD3	-1.33	0.06	134.51	177.47	166.05	142.12	120.33
PLP2	-1.09	0.64	91.51	119.28	87.47	94.90	80.69
PLPP1	-1.35	0.14	11.93	7.82	11.10	11.21	6.94
PLPP2	3.62	0.00	0.80	1.24	1.57	0.45	4.42
PLPP3	18.52	0.00	7.00	11.12	9.01	14.61	217.69

PLPP5	-1.71	0.02	5.05	4.67	4.57	4.76	1.77
PLPP7	-2.12	0.00	7.45	6.18	8.22	6.68	3.66
PLPPR2	1.29	0.35	6.42	2.75	3.39	2.60	6.69
PLRG1	1.04	0.83	23.62	24.02	19.32	23.89	22.10
PLS3	-1.19	0.31	26.49	27.04	34.73	25.48	19.07
PLSCR1_1	2.51	0.03	1.03	0.96	1.44	0.79	4.29
PLSCR3	1.18	0.55	3.90	3.57	3.00	3.85	3.91
PLSCR4	2.05	0.00	19.72	23.88	26.76	27.52	56.06
PLTP	13.27	0.00	1.15	0.96	0.91	0.34	9.72
PLXDC1	2.97	0.00	53.44	12.08	8.88	61.49	97.61
PLXDC2	1.76	0.00	70.87	72.61	56.13	109.51	111.12
PLXNA1	-1.29	0.07	110.55	110.49	120.76	114.04	79.55
PLXNA2	-1.18	0.68	3.33	2.33	4.96	1.93	1.89
PLXNA3	-2.70	0.00	10.55	7.82	12.53	8.15	2.53
PLXNA4	2.18	0.20	0.46	0.82	0.78	1.02	1.14
PLXNB1	1.58	0.00	115.48	101.16	89.82	85.95	185.74
PLXNB2	1.70	0.00	165.93	117.22	168.67	124.79	276.78
PLXNB3	-3.53	0.00	22.93	9.20	16.32	7.13	4.80
PLXND1	1.26	0.14	57.22	57.37	49.22	66.02	65.66
PM20D1	-1.15	0.63	9.52	13.86	18.67	10.42	10.73
PM20D2	1.00	0.87	1.95	1.65	3.26	2.04	3.41
PMCH	-2.72	0.01	1.61	1.10	2.09	1.47	0.25
PMEL	-1.02	1.00	2.75	1.78	2.74	1.02	2.53
PMEPA1	-1.81	0.00	21.21	39.53	30.16	27.74	11.11
PMF1	-1.37	0.10	13.30	16.06	10.97	12.23	7.07
PML	1.19	0.31	19.38	14.41	11.75	20.38	19.07
PMM1	-1.82	0.00	12.16	9.06	13.71	7.93	5.68
PMM2	-1.54	0.00	24.20	22.92	21.28	17.55	13.01
PMP22	1.57	0.01	275.68	167.45	149.74	112.90	301.02
PMPCA	-1.05	0.79	38.07	36.24	37.99	33.97	35.86
PMPCB	1.05	0.79	20.30	16.06	21.28	23.44	21.97
PMS1	1.02	0.93	10.21	10.43	12.14	11.55	10.48
PMS2	-1.73	0.00	21.21	17.16	25.85	20.61	10.99
PMVK	-1.10	0.62	11.81	13.18	11.49	11.32	11.11
PNISR	-1.12	0.59	138.30	100.20	138.64	169.64	96.09
PNKD	5.08	0.00	12.16	11.94	8.75	10.31	77.28
PNKP	1.66	0.00	10.21	9.06	9.92	11.44	20.71
PNLDC1	-1.34	0.18	15.37	13.59	8.75	15.40	9.98
PNMA1	1.67	0.03	4.01	3.84	4.44	3.06	5.93
PNMAL1	-1.09	0.63	18.92	18.12	19.84	17.78	18.06
PNMAL2	-1.81	0.08	22.36	10.71	6.14	14.04	5.81
PNN	-1.33	0.05	134.40	117.63	126.76	129.10	76.52
PNO1	-1.05	0.84	13.07	15.37	12.92	10.98	13.01
PNP	6.40	0.00	13.53	19.76	15.40	20.84	185.87
PNPLA2	1.71	0.12	1.26	0.96	0.91	1.47	2.53
PNPLA3	-1.36	0.18	9.86	14.96	11.36	17.10	4.42
PNPLA4	-1.05	0.94	0.69	1.51	0.91	1.59	1.26

PNPLA6	1.13	0.47	15.37	12.49	14.62	15.29	14.90
PNPLA7	-1.04	0.82	17.77	13.18	14.62	16.65	16.29
PNPLA8	1.02	0.91	30.85	33.90	42.69	39.41	34.98
PNPO	1.71	0.01	9.06	7.82	7.57	8.27	19.82
PNPT1	1.09	0.66	11.70	11.80	13.32	13.93	14.27
PNRC1	2.09	0.00	33.48	38.02	36.81	35.45	93.56
PNRC2	-1.47	0.03	367.65	277.94	249.47	200.44	166.17
POC1A	-1.98	0.00	16.40	21.69	17.75	15.29	8.59
POC1B	1.40	0.05	12.16	9.33	8.22	9.40	12.88
POC5	-1.28	0.16	10.44	11.26	12.92	10.08	7.95
PODNL1	2.30	0.05	1.03	0.55	0.91	0.11	1.89
PODXL	1.27	0.85	1.61	0.96	2.48	2.15	0.63
PODXL2	-3.49	0.01	2.41	2.61	3.26	0.57	1.01
POFUT1	-1.58	0.00	67.77	70.28	52.74	62.28	29.42
POFUT2	-1.95	0.00	111.01	152.77	133.42	115.17	51.64
POGK	-1.01	0.99	31.31	20.18	26.50	31.26	23.99
POGLUT1	1.18	0.39	100.23	170.88	97.91	98.86	172.61
POGZ	-1.29	0.08	88.99	73.02	94.52	87.42	62.00
POLA1	-1.63	0.00	34.40	30.47	34.33	29.22	13.51
POLA2	-1.71	0.00	14.10	11.53	11.62	8.61	5.30
POLB	1.28	0.19	10.78	13.04	12.14	10.31	19.07
POLD1	-1.91	0.00	35.66	29.24	26.63	30.12	10.48
POLD2	-1.41	0.02	31.31	30.75	33.55	24.46	18.81
POLD3	-1.85	0.00	35.21	33.08	27.02	41.67	17.05
POLD4	1.63	0.00	14.68	15.10	9.92	13.25	22.10
POLDIPP2	-1.14	0.41	43.69	41.59	36.29	33.07	35.48
POLDIP3	1.04	0.82	86.46	100.20	86.42	91.39	93.19
POLE	-2.28	0.00	37.73	30.61	32.51	36.69	9.98
POLE2	-3.10	0.00	11.70	14.41	9.53	10.53	2.53
POLE3	-1.29	0.07	64.56	66.71	76.76	63.76	49.24
POLE4	-1.27	0.10	37.27	47.90	43.86	38.96	36.11
POLG	1.28	0.24	8.03	4.94	6.27	5.32	6.94
POLG2	-1.29	0.24	6.88	8.37	9.27	6.57	5.56
POLH	-1.87	0.00	47.70	52.02	52.48	54.13	24.75
POLI	-1.05	0.79	33.48	33.08	34.73	37.37	29.80
POLK	1.14	0.55	31.31	16.75	24.28	18.01	25.38
POLL	-1.06	0.86	3.10	4.12	3.00	3.62	3.66
POLM	-1.11	0.76	2.18	2.88	3.00	2.72	2.65
POLN	1.09	0.81	2.29	0.55	1.57	1.59	2.40
POLQ	-3.19	0.00	26.03	24.57	20.89	21.06	6.57
POLR1A	1.34	0.03	23.62	21.69	19.71	24.91	32.58
POLR1B	-1.01	0.98	23.74	22.78	22.85	18.01	21.21
POLR1C	1.33	0.08	8.60	9.61	8.75	8.72	12.75
POLR1E	1.30	0.15	6.88	12.08	8.49	7.93	12.00
POLR2A	-1.12	0.47	63.07	57.92	57.18	57.53	48.11
POLR2B	-1.02	0.93	78.90	68.08	77.94	91.50	67.17
POLR2C	-1.04	0.82	30.96	27.59	30.03	29.44	26.26

POLR2D	1.08	0.69	11.24	12.08	11.23	12.68	14.52
POLR2E	-1.45	0.01	63.30	83.45	71.80	56.40	47.10
POLR2F	-1.86	0.00	12.50	22.78	11.88	17.89	8.08
POLR2G	1.12	0.54	12.16	14.14	15.80	12.12	15.28
POLR2H	1.15	0.36	25.92	31.43	26.89	26.16	29.93
POLR2I	1.28	0.29	5.73	5.76	5.74	5.10	8.71
POLR2J	-1.13	0.69	6.31	10.98	6.01	7.59	7.07
POLR2K	1.28	0.19	6.65	6.86	7.05	8.27	8.84
POLR2L	-1.05	0.80	11.01	10.98	8.88	10.87	10.61
POLR2M	1.08	0.70	19.04	20.31	20.23	21.52	18.06
POLR3A	1.03	0.94	61.24	40.90	65.40	47.90	41.92
POLR3B	-1.37	0.04	23.39	17.29	21.54	19.82	15.53
POLR3C	1.59	0.00	11.58	15.92	14.23	15.51	22.10
POLR3D	-1.34	0.06	40.48	30.75	38.12	28.99	22.10
POLR3E	-1.06	0.82	24.54	16.20	24.02	18.23	21.84
POLR3F	-1.02	0.93	11.12	9.61	13.19	12.91	11.87
POLR3GL	1.09	0.64	19.49	16.20	22.32	22.42	18.94
POLR3H	-1.36	0.24	5.05	5.76	3.79	5.44	3.16
POLR3K	-1.57	0.00	28.55	30.88	27.28	24.69	17.42
POLRMT	1.31	0.11	13.30	10.71	13.45	14.16	15.53
POM121C	-1.07	0.69	30.39	30.20	27.02	27.29	28.54
POMC	1.37	0.22	3.78	4.39	4.83	5.55	6.57
POMGNT1	-1.72	0.00	34.75	35.82	44.12	33.52	20.71
POMGNT2	-1.56	0.04	19.38	17.02	9.01	15.63	8.97
POMK	-1.43	0.01	78.09	91.96	87.07	75.65	65.66
POMP	-1.07	0.71	45.07	60.26	57.31	50.05	48.99
POMT1	1.02	0.92	22.48	20.45	17.62	20.38	21.34
POMT2	-1.15	0.38	20.76	19.63	20.10	20.27	22.48
PON2	-1.67	0.05	8.26	5.76	5.74	4.08	2.90
PON3	-7.04	0.00	46.10	37.75	37.60	29.78	6.44
POP1	-1.48	0.01	11.58	11.67	10.84	11.44	7.58
POP4	-1.14	0.50	11.70	12.22	13.32	10.19	13.01
POP5	3.45	0.00	1.95	1.92	1.17	2.04	6.57
POP7	1.11	0.60	23.62	34.18	31.20	25.93	29.04
POR	1.57	0.01	16.40	16.61	12.79	10.64	25.13
PORCN	-1.59	0.12	3.78	2.61	4.44	5.10	1.64
POSTN	-1.06	0.81	7.57	31.43	4.44	24.35	10.35
POT1	-1.15	0.47	24.31	17.02	25.98	24.35	19.07
POU2F1	-1.03	0.99	8.94	6.18	3.52	5.55	7.20
POU2F2	70.26	0.00	0.00	0.14	0.00	0.11	6.31
POU3F1	-1.67	0.03	6.42	10.98	10.44	5.89	4.67
POU3F2	-1.84	0.06	1.83	2.75	3.00	1.70	1.26
POU6F1	1.03	0.94	35.09	30.20	39.29	34.43	38.51
PPA1	-1.20	0.38	17.09	19.76	24.54	14.27	17.93
PPA2	-1.03	0.92	17.89	23.20	19.58	13.93	18.06
PPAN	1.31	0.20	5.05	4.80	4.05	5.21	6.31
PPARA	-1.06	0.77	11.24	14.14	10.84	11.21	10.86

PPARD	1.59	0.00	22.59	38.84	21.54	35.33	50.89
PPARGC1B	-2.56	0.00	5.85	4.39	5.22	5.32	1.64
PPAT	-1.22	0.24	29.01	29.51	24.93	23.67	34.72
PPCDC	-1.43	0.14	4.01	4.80	4.31	5.66	3.91
PPCS	-1.07	0.72	11.93	13.18	12.27	11.66	13.26
PPDPF	2.02	0.00	41.86	49.69	35.77	36.35	89.27
PPEF1	1.82	0.09	1.15	1.78	1.31	1.36	3.16
PPFIA1	-1.17	0.28	42.77	35.41	38.77	42.47	32.58
PPFIA3	1.15	0.79	3.90	3.02	4.57	2.49	2.40
PPFIA4	-1.26	0.35	29.47	20.86	22.32	42.13	19.70
PPFIBP1	-1.77	0.00	267.99	350.55	284.20	274.05	145.97
PPHLN1	-1.26	0.12	19.61	20.18	17.88	20.16	16.04
PPIA	-1.25	0.19	65.82	87.43	83.94	57.53	58.34
PPIB	-1.17	0.41	429.46	641.26	525.32	446.29	527.04
PPIC	-1.03	0.84	101.14	127.79	101.96	102.15	109.73
PPID	1.23	0.25	12.61	17.02	16.71	18.57	16.29
PPIE	1.07	0.75	12.27	11.39	14.10	17.21	16.67
PPIF	1.31	0.56	1.49	0.96	1.57	0.57	2.15
PPIG	-1.17	0.29	65.82	78.51	76.24	69.76	59.09
PPIH	-1.20	0.28	18.81	16.33	17.88	15.74	13.76
PPIL1	-1.39	0.03	17.20	18.12	19.06	14.83	12.00
PPIL2	1.22	0.32	7.91	8.78	5.87	7.25	8.84
PPIL3	1.09	0.73	4.13	7.14	3.79	5.32	5.18
PPIL4	-1.27	0.07	57.22	53.53	50.91	61.60	40.03
PPIP5K1	7.02	0.00	1.03	0.82	0.26	0.45	6.19
PPIP5K2	1.10	0.57	57.45	52.16	61.36	63.98	58.59
PPM1A	1.17	0.30	33.26	34.73	33.55	37.14	45.33
PPM1B	-1.16	0.42	102.40	117.35	98.17	81.31	79.93
PPM1D	1.01	0.97	12.27	15.37	13.05	13.25	14.02
PPM1F	1.13	0.43	40.02	32.39	39.69	32.95	35.48
PPM1G	-1.42	0.01	57.11	65.75	55.22	52.54	39.65
PPM1H	-1.00	0.99	0.80	1.51	1.83	0.57	0.76
PPM1K	-3.52	0.00	59.63	31.98	58.09	34.88	11.87
PPM1L	1.67	0.02	34.29	28.82	39.95	19.14	48.36
PPM1M	1.14	0.41	25.69	23.47	23.76	31.03	26.52
PPME1	-1.17	0.34	15.83	16.47	19.32	16.42	13.64
PPOX	1.97	0.00	10.21	10.98	12.66	13.48	26.39
PPP1CA	-1.03	0.92	40.71	34.04	37.99	28.31	37.12
PPP1CB	-1.24	0.15	397.58	421.51	414.09	340.18	322.61
PPP1CC	-1.05	0.77	80.73	87.16	75.46	88.78	71.85
PPP1R10	-1.11	0.49	52.18	46.67	46.60	49.94	42.93
PPP1R11	-1.13	0.47	19.49	21.69	19.45	21.06	15.40
PPP1R12A	-1.13	0.41	29.24	30.88	30.55	31.59	27.91
PPP1R12B_1	-1.06	0.94	2.98	0.82	2.22	2.72	2.78
PPP1R12B_2	-1.10	0.77	4.93	3.02	3.92	3.62	4.29
PPP1R12C	-1.26	0.09	34.17	36.10	37.60	34.09	29.29
PPP1R13B	1.20	0.37	8.60	12.49	10.70	8.15	10.61

PPP1R13L	1.38	0.06	13.53	14.27	14.49	22.20	18.06
PPP1R14A	-3.29	0.00	2.64	0.96	3.66	2.15	0.25
PPP1R14B	-1.05	0.85	13.88	18.53	17.23	11.89	14.77
PPP1R14C_2	-1.36	0.23	29.93	24.71	14.88	38.05	18.56
PPP1R15A	2.57	0.00	4.93	7.27	5.87	6.79	25.51
PPP1R15B	-1.04	0.83	135.66	123.94	136.16	134.42	134.98
PPP1R16A	-1.14	0.45	22.36	18.53	18.93	21.74	18.44
PPP1R18	2.36	0.00	8.37	18.12	10.57	14.27	33.84
PPP1R1A	42.32	0.00	0.00	0.00	0.00	0.45	6.31
PPP1R1B	-1.15	0.56	16.86	18.67	12.92	25.14	15.53
PPP1R2	1.14	0.56	16.17	12.49	13.45	15.17	17.55
PPP1R21	1.10	0.59	15.94	14.82	16.71	11.44	17.42
PPP1R26	1.18	0.26	23.39	30.06	23.76	25.14	30.30
PPP1R35	-1.18	0.36	12.61	16.06	16.97	13.48	13.89
PPP1R36	-1.04	0.93	14.45	8.65	6.01	18.35	11.24
PPP1R37	-1.01	0.99	34.63	41.45	29.90	30.80	34.85
PPP1R3B	2.22	0.00	32.57	48.31	46.34	46.54	80.56
PPP1R3C	1.48	0.01	65.14	115.16	100.65	88.10	130.94
PPP1R3D	1.63	0.00	7.34	7.27	7.83	7.13	12.25
PPP1R3E	1.11	0.71	12.61	15.51	10.31	15.97	12.75
PPP1R3F	-1.54	0.04	5.62	6.73	6.27	6.91	3.16
PPP1R3G	1.01	0.98	10.78	9.75	21.15	9.85	12.88
PPP1R7	-1.07	0.74	22.13	23.47	17.49	20.50	19.32
PPP1R8	-1.08	0.66	22.25	20.04	22.58	23.55	17.30
PPP1R9A	-5.20	0.00	15.83	29.65	9.40	40.88	2.15
PPP1R9B	1.66	0.00	46.90	56.00	56.92	57.53	83.84
PPP2CA	-1.21	0.25	89.56	115.02	101.56	84.59	83.46
PPP2CB	-1.00	0.97	9.98	13.31	10.70	8.15	11.11
PPP2R1A	1.11	0.56	108.14	137.12	114.75	110.19	119.70
PPP2R1B	-1.23	0.20	32.57	29.51	22.72	30.12	24.87
PPP2R2A	1.13	0.43	36.47	38.02	35.77	42.01	45.46
PPP2R3A	1.43	0.02	24.20	20.04	27.02	28.20	42.68
PPP2R3B	-1.32	0.18	11.01	13.18	12.40	8.95	5.68
PPP2R3C	-1.13	0.56	11.12	11.67	12.79	9.40	9.34
PPP2R4	2.34	0.00	45.87	62.45	44.52	40.43	125.64
PPP2R5A	1.49	0.00	58.71	60.67	53.00	72.48	86.75
PPP2R5B	1.00	0.98	11.93	15.65	11.62	17.67	13.26
PPP2R5C	1.01	0.94	102.86	100.47	103.26	108.26	99.50
PPP2R5D	-1.24	0.13	48.97	45.84	48.17	42.81	37.50
PPP2R5E	-1.22	0.22	25.00	29.10	35.12	28.65	23.11
PPP3CA	2.21	0.00	44.15	48.31	29.24	57.30	95.71
PPP3CB	-1.02	0.95	14.91	15.37	20.76	20.16	15.78
PPP3CC	1.24	0.15	26.83	20.31	22.45	29.67	29.80
PPP3R1	1.09	0.59	36.24	28.41	35.51	33.52	31.82
PPP4C	1.12	0.49	26.60	39.94	29.11	32.61	36.74
PPP4R1	1.16	0.33	41.05	37.88	41.51	36.80	49.12
PPP4R2	1.18	0.23	44.15	48.04	48.95	54.58	56.82

PPP4R3A	-1.12	0.47	93.35	82.77	88.64	99.99	77.91
PPP4R3B	1.16	0.41	159.51	212.34	145.69	140.42	186.25
PPP4R4	-1.30	0.35	6.42	4.53	7.31	4.64	1.52
PPP5C	-1.55	0.00	34.86	37.20	32.38	25.71	18.69
PPP6C	-1.12	0.47	27.29	33.22	28.85	26.95	27.53
PPP6R1	-1.27	0.26	16.40	15.78	12.27	10.42	15.28
PPP6R2	-1.32	0.09	50.69	33.35	43.21	38.50	26.90
PPP6R3	-1.72	0.00	155.50	167.04	168.93	143.37	91.17
PPRC1	-1.45	0.00	73.51	63.82	71.28	59.45	47.10
PPT1	-1.23	0.17	95.75	105.55	111.88	108.15	77.40
PPT2	1.04	0.82	14.10	17.43	15.27	18.46	15.53
PPTC7	2.31	0.00	4.13	4.53	1.96	2.60	10.35
PPWD1	-1.01	0.91	35.21	29.10	34.33	37.60	29.29
PQBP1	1.11	0.55	16.86	17.98	12.79	14.50	17.93
PQLC1	2.26	0.00	7.22	11.80	8.88	7.13	21.97
PQLC2	2.57	0.00	2.52	3.71	1.17	2.83	7.95
PQLC3	3.62	0.00	0.92	1.10	0.65	1.02	5.68
PRADC1	-1.96	0.00	11.81	15.51	11.49	9.29	6.19
PRAF2	-1.62	0.00	71.67	86.75	83.55	69.98	41.29
PRC1	-4.01	0.00	117.08	172.12	113.18	105.09	21.59
PRCC	-1.11	0.53	36.93	44.33	35.64	40.31	39.14
PRCP	-1.30	0.07	33.26	33.08	42.95	33.29	28.92
PRDM10	-1.25	0.29	16.17	9.20	11.23	13.36	9.72
PRDM11	-1.40	0.15	16.51	10.29	8.35	13.02	7.20
PRDM15	1.01	0.99	8.60	7.69	7.44	8.27	7.70
PRDM16	-3.01	0.00	11.47	7.82	8.62	11.66	2.65
PRDM2	-1.18	0.28	75.80	61.90	70.76	73.27	70.20
PRDM4	-1.11	0.54	23.28	18.80	20.76	21.63	18.18
PRDM5	-1.14	0.43	36.47	30.75	32.51	41.90	29.04
PRDM6	1.62	0.08	2.29	1.37	2.22	2.38	3.03
PRDM8	-1.10	0.84	2.98	1.37	1.96	1.81	1.77
PRDX1	-1.42	0.02	133.25	166.63	164.10	117.77	104.30
PRDX2	1.25	0.14	64.33	91.82	74.02	66.02	92.68
PRDX3	1.02	0.91	70.07	70.00	80.16	65.00	76.27
PRDX4	-1.36	0.08	203.78	303.34	276.10	193.76	194.71
PRDX5	1.04	0.82	47.48	65.75	61.36	50.62	60.73
PRDX6	-1.56	0.00	95.41	92.51	105.09	64.55	49.88
PREB	-1.40	0.02	21.79	19.49	21.02	16.87	14.77
PRELID1	1.27	0.09	29.01	31.02	33.42	25.82	43.06
PRELID2	-1.12	0.79	4.93	8.10	6.01	3.51	4.55
PRELID3A	-1.19	0.56	16.40	7.69	17.36	15.63	9.85
PRELID3B	-1.31	0.07	29.36	35.00	33.81	29.56	23.99
PRELP	-1.47	0.02	635.07	783.46	670.88	584.79	355.57
PREP	-1.61	0.01	93.23	101.71	92.03	62.28	59.09
PREPL	-1.19	0.34	38.53	28.55	29.50	40.77	27.02
PREX1	-1.26	0.11	94.84	95.53	83.16	92.86	67.05
PREX2_1	1.04	0.99	3.67	4.53	6.14	2.49	4.29

PRG4	3.33	0.00	171.55	95.81	128.46	157.52	455.45
PRICKLE1	-1.67	0.00	131.76	136.98	115.14	143.25	65.15
PRICKLE2	-1.16	0.40	102.75	103.90	74.28	102.48	66.42
PRICKLE3	2.03	0.00	5.62	6.18	3.39	5.21	14.02
PRIM1	-1.38	0.05	27.98	22.78	28.98	29.67	13.26
PRIM2	-1.80	0.00	12.38	12.49	14.10	14.16	6.44
PRIMPOL	-1.42	0.03	14.56	16.88	19.45	21.18	12.63
PRKAA1	1.23	0.15	35.32	36.65	34.86	36.92	45.58
PRKAB1	1.01	0.96	19.15	18.67	19.71	18.12	21.34
PRKAB2	1.58	0.05	3.10	3.16	3.39	2.72	5.30
PRKACA	-1.25	0.10	45.53	43.24	41.25	46.20	32.58
PRKACB	1.33	0.08	14.10	14.41	12.79	12.34	20.58
PRKAG1	-1.10	0.56	20.41	19.49	19.45	19.36	18.81
PRKAR1A	-1.16	0.36	117.77	136.43	115.27	115.28	104.17
PRKAR1B	1.84	0.01	3.55	2.88	2.48	6.00	6.82
PRKAR2A	1.14	0.44	14.22	24.02	19.19	19.70	21.47
PRKAR2B	-3.10	0.00	6.19	4.94	9.66	2.83	0.88
PRKCA	1.36	0.23	86.92	129.30	70.23	112.68	90.41
PRKCB	1.40	0.61	1.49	1.78	0.78	2.15	0.51
PRKCD	1.44	0.05	23.16	28.00	15.67	38.84	31.95
PRKCDBP	-1.34	0.06	59.17	68.22	56.40	51.53	42.80
PRKCE	1.11	0.55	13.76	13.04	12.79	16.65	15.53
PRKCG	1.02	0.96	1.38	0.69	0.65	1.02	0.88
PRKCH	1.50	0.36	0.69	0.55	0.78	1.25	1.14
PRKCI	1.17	0.41	18.92	14.00	21.54	21.52	28.16
PRKCSH	-1.28	0.13	190.02	261.06	196.99	189.46	153.79
PRKCZ	-1.44	0.01	37.27	34.73	39.03	27.74	27.02
PRKD1	-2.00	0.00	182.33	174.04	196.99	197.50	73.87
PRKD2	2.27	0.00	4.47	4.12	5.48	3.51	12.75
PRKD3	-1.15	0.42	95.64	84.28	90.34	112.11	68.94
PRKDC	-1.20	0.24	84.06	65.61	64.75	72.02	58.59
PRKG1	-1.50	0.01	20.30	19.22	19.45	20.38	9.85
PRKRA	-1.32	0.14	10.21	12.22	12.14	8.83	6.57
PRKRIP1	1.05	0.95	1.72	1.78	2.48	2.15	1.77
PRKRIR	-1.28	0.43	4.93	2.88	4.44	3.06	3.03
PRKX	-1.39	0.31	6.08	4.53	2.61	4.53	2.90
PRMT1	1.19	0.51	145.75	199.85	211.35	174.28	269.96
PRMT2	1.56	0.00	25.11	19.76	19.84	22.54	40.28
PRMT3	1.32	0.09	15.48	17.02	16.71	20.38	18.31
PRMT5	1.10	0.56	24.77	24.71	22.85	24.12	28.41
PRMT6	1.12	0.61	4.82	7.69	7.18	5.44	7.83
PRMT7	-1.12	0.51	19.84	17.98	18.93	18.69	14.02
PRMT9	-1.24	0.15	25.69	22.78	24.02	20.72	19.07
PRNP	1.20	0.42	144.72	167.86	152.87	134.31	149.63
PROB1	-1.64	0.02	9.06	8.78	11.10	6.12	5.30
PROCA1	2.06	0.01	0.92	1.65	1.44	1.59	3.66
PROCR	4.03	0.00	5.50	4.80	2.74	5.55	17.68

PROKR2	13.49	0.00	0.11	0.00	0.13	0.45	3.79
PRORSD1	-1.14	0.51	9.75	10.84	10.18	10.42	9.34
PROS1	-1.90	0.00	380.26	437.85	461.48	387.74	171.47
PROSAPIP1	1.10	0.62	38.99	33.90	44.91	40.09	53.29
PROSC	-1.26	0.18	20.76	14.96	21.41	17.78	15.40
PROSER1	1.08	0.68	29.47	20.18	23.24	23.89	29.42
PROSER2	1.80	0.00	33.60	28.41	27.81	42.35	64.14
PROSER3	-1.09	0.79	4.70	2.75	4.44	3.28	3.79
PRPF18	1.23	0.29	10.66	13.04	10.70	11.66	15.78
PRPF19	-1.34	0.11	63.76	65.33	46.21	38.62	32.58
PRPF3	-1.12	0.60	87.61	52.43	80.94	70.10	56.06
PRPF31	1.17	0.29	22.71	27.31	21.93	21.74	26.64
PRPF38A	-1.18	0.23	46.44	46.67	49.61	43.37	40.15
PRPF38B	1.13	0.42	50.57	45.02	47.00	43.15	54.67
PRPF39	1.13	0.49	83.83	63.00	75.59	87.65	77.28
PRPF4	-1.11	0.52	30.16	24.84	31.20	27.63	25.88
PRPF40A	-1.07	0.65	64.68	63.14	67.36	64.32	62.63
PRPF40B	1.00	0.98	40.48	34.73	38.90	42.81	42.17
PRPF4B	-1.11	0.57	115.36	94.71	123.63	117.89	91.29
PRPF6	1.27	0.07	37.27	38.02	44.78	38.62	50.51
PRPF8	1.06	0.74	330.72	316.93	321.67	332.14	325.14
PRPH	1.65	0.30	0.11	0.82	2.22	0.23	1.52
PRPS1	-1.14	0.69	4.82	4.25	6.01	3.17	4.29
PRPS2	-1.37	0.08	18.46	17.29	15.27	21.74	11.11
PRPSAP1	1.22	0.17	20.87	26.90	25.06	21.06	29.29
PRPSAP2	1.04	0.86	21.56	18.39	19.45	21.40	16.92
PRR11	-3.15	0.00	13.88	12.49	12.79	10.98	2.53
PRR12	-1.49	0.00	80.04	70.82	69.58	76.67	44.70
PRR13	1.54	0.01	12.04	10.16	11.10	6.79	18.06
PRR14	1.29	0.09	15.25	12.76	13.58	14.95	19.70
PRR14L	1.14	0.38	39.10	43.24	43.60	39.64	45.71
PRR15L	2.37	0.01	1.15	0.69	0.39	1.02	2.02
PRR16	4.09	0.00	1.03	1.37	0.13	0.57	3.28
PRR19	1.17	0.67	2.06	2.33	1.70	1.47	1.77
PRR22	1.86	0.14	1.03	0.69	0.78	1.47	1.52
PRR3	-1.30	0.15	16.28	19.63	17.36	12.57	12.50
PRR36	-1.18	0.54	5.16	4.67	4.05	4.76	2.53
PRR5	1.75	0.00	12.61	17.43	10.70	15.97	27.53
PRR5L	1.16	0.52	7.45	3.84	2.61	6.34	6.82
PRR7	1.05	0.91	6.31	6.73	4.44	4.98	6.69
PRRC1	-2.07	0.00	60.09	68.08	61.49	57.75	25.38
PRRC2A	-1.06	0.76	344.14	354.12	319.58	339.84	322.11
PRRC2B	-1.37	0.03	466.38	422.48	437.20	543.34	302.66
PRRC2C	1.12	0.48	239.21	168.83	200.39	245.17	244.83
PRRG1_2	-1.66	0.00	19.04	22.51	20.50	18.35	15.15
PRRG2	1.52	0.15	2.98	6.31	0.52	2.04	6.06
PRRG3	-3.68	0.01	2.98	1.65	5.35	9.74	0.76

PRRT4	-3.33	0.00	3.10	2.20	2.35	2.72	1.01
PRRX1	2.76	0.00	6.42	5.90	9.14	13.82	26.64
PRRX2	17.47	0.00	3.78	6.18	3.13	9.97	126.52
PRSS12	12.72	0.00	0.69	0.14	0.78	0.91	6.19
PRSS23	1.24	0.64	9.29	9.61	13.45	3.17	6.82
PRSS35	-1.53	0.05	19.38	19.35	29.63	13.93	9.72
PRSS42	-1.11	0.82	0.92	1.37	0.65	1.36	1.01
PRSS53	-1.29	0.17	21.21	24.43	23.89	15.29	15.15
PRTFDC1	-1.38	0.30	6.31	6.18	7.70	3.40	5.43
PRUNE	-1.76	0.00	31.54	27.86	25.20	27.63	14.90
PRUNE2	-1.23	0.39	63.07	29.24	41.25	44.39	31.95
PRX	-1.27	0.33	6.42	4.25	5.61	5.44	4.67
PSAP	1.00	0.99	436.91	453.63	362.40	385.48	386.25
PSAT1	1.09	0.66	16.86	33.22	16.71	30.58	32.83
PSD	-1.18	0.41	9.75	10.29	11.62	8.72	7.70
PSD2	-1.74	0.08	2.29	2.61	2.09	2.49	1.14
PSD3	1.57	0.01	135.89	106.51	102.87	189.46	205.06
PSEN1	2.37	0.00	15.71	15.24	14.75	14.04	44.45
PSEN2	4.02	0.00	2.18	1.65	1.44	1.59	9.09
PSENEN	1.54	0.00	12.96	16.61	14.36	16.31	27.40
PSIP1	-1.26	0.14	103.55	112.82	105.09	119.24	69.07
PSKH1	1.00	0.99	20.41	25.53	19.32	23.55	18.69
PSMA1	1.03	0.86	30.50	40.22	33.03	27.63	32.45
PSMA2	-1.05	0.82	9.63	9.47	10.05	8.95	9.85
PSMA3	1.07	0.69	32.91	36.92	36.16	38.50	38.76
PSMA4	-1.06	0.70	26.49	27.04	24.41	25.25	29.17
PSMA5	-1.07	0.71	37.27	36.24	42.43	34.99	33.08
PSMA6	1.48	0.00	22.82	28.69	23.76	22.88	35.86
PSMA7	-1.28	0.20	54.24	81.94	71.15	44.84	52.78
PSMB1	-1.07	0.75	55.62	61.90	52.61	42.81	53.16
PSMB10	-1.29	0.21	13.99	13.86	16.71	9.85	10.35
PSMB2	1.10	0.61	21.44	30.06	22.58	26.39	32.45
PSMB3	-1.11	0.62	33.83	42.82	32.24	26.27	32.32
PSMB4	1.27	0.09	44.61	48.59	44.12	43.26	67.68
PSMB5	-1.19	0.25	51.83	60.26	55.74	48.35	47.35
PSMB6	-1.14	0.43	24.43	30.88	27.02	24.91	25.13
PSMB7	-1.06	0.79	32.68	46.12	38.77	32.39	36.87
PSMB8	7.13	0.00	0.23	0.55	0.91	1.02	5.81
PSMC1	-1.12	0.53	51.37	64.65	55.35	44.73	58.97
PSMC2	-1.12	0.47	103.44	94.71	98.17	89.01	85.36
PSMC3	-1.13	0.62	64.91	91.55	56.13	50.05	69.07
PSMC3IP	-2.03	0.00	7.34	6.73	5.35	7.59	1.64
PSMC4	-1.14	0.55	8.14	11.39	8.88	8.61	9.34
PSMC5	1.09	0.67	42.54	58.33	54.31	36.58	65.66
PSMC6	-1.16	0.32	23.62	25.39	24.15	22.65	21.21
PSMD1	1.01	0.96	65.25	68.08	67.23	67.61	79.30
PSMD10	-1.45	0.04	10.44	10.16	11.62	10.31	4.92

PSMD11	1.26	0.12	32.22	32.94	31.33	34.31	48.49
PSMD12	1.03	0.85	48.16	44.88	56.92	51.19	52.78
PSMD13	-1.00	0.99	41.51	51.20	50.26	44.62	49.75
PSMD14	-1.32	0.04	35.89	33.63	37.08	31.59	27.78
PSMD2	1.02	0.90	134.40	138.63	121.41	113.13	130.56
PSMD3	-1.26	0.13	94.03	91.55	82.51	70.21	68.18
PSMD4	1.13	0.48	29.47	36.65	38.12	31.93	45.33
PSMD5	1.03	0.88	34.63	46.12	43.08	43.03	38.76
PSMD6	-1.16	0.35	28.32	25.94	22.98	26.73	23.86
PSMD7	-1.34	0.07	50.92	71.92	47.26	52.32	44.83
PSMD8	1.00	0.99	55.96	70.41	63.18	44.96	73.36
PSMD9	-1.17	0.34	15.37	14.96	17.75	17.78	15.78
PSME1	2.27	0.00	18.69	17.57	15.14	15.74	46.72
PSME2	1.95	0.00	10.78	10.71	8.75	9.74	23.86
PSME3	-1.01	0.94	50.46	45.16	44.65	43.60	47.60
PSME4	-1.52	0.01	114.22	70.55	109.92	77.35	61.11
PSMF1	1.27	0.12	13.76	14.00	14.36	13.70	17.30
PSMG1	1.10	0.57	17.32	23.06	23.50	19.02	23.86
PSMG2	-1.59	0.01	12.04	14.41	14.62	10.42	8.71
PSMG3	-1.22	0.27	11.01	11.12	10.05	10.08	8.59
PSMG4	1.19	0.35	25.23	44.75	34.20	30.69	51.77
PSPC1	-1.08	0.65	48.51	41.73	38.77	49.15	43.94
PSPH	1.67	0.00	13.42	18.94	13.84	11.32	30.05
PSRC1	1.04	0.94	13.30	17.57	11.75	9.51	9.34
PSTPIP1	-12.28	0.00	2.64	7.41	7.31	2.72	0.00
PSTPIP2	1.10	0.85	1.72	0.82	1.83	0.68	1.64
PTAR1	-1.13	0.76	12.73	17.02	11.62	6.45	14.14
PTBP1	-1.15	0.36	191.28	178.98	177.15	180.06	160.74
PTBP2	-1.10	0.70	6.19	5.22	4.44	5.32	6.44
PTBP3	1.58	0.00	8.94	11.94	10.70	9.85	17.42
PTCD2	-1.08	0.72	13.53	14.00	10.44	12.12	11.36
PTCD3	-1.01	0.92	21.56	18.53	19.97	18.80	17.42
PTCH1	-1.22	0.21	49.20	38.98	36.03	37.60	31.19
PTCH2	2.35	0.00	8.03	6.86	6.14	11.32	16.54
PTDSS1	1.21	0.19	38.65	44.47	38.90	35.22	51.52
PTEN	-1.01	0.98	94.26	90.31	109.92	93.88	89.90
PTER	-1.20	0.46	4.82	6.31	5.61	6.57	3.66
PTGDS	3.47	0.00	11.58	19.08	23.24	16.53	94.57
PTGER2	12.51	0.00	0.57	0.14	0.13	0.68	5.93
PTGER4	2.98	0.01	0.34	0.82	0.78	0.79	1.26
PTGES	5.58	0.00	5.73	13.04	8.75	11.89	48.74
PTGES2	3.43	0.00	1.26	2.20	0.91	1.93	5.93
PTGES3	-1.24	0.15	222.35	200.39	216.58	197.04	165.92
PTGFR	6.20	0.00	0.00	0.14	0.13	0.57	1.26
PTGFRN	1.07	0.70	95.64	94.43	104.83	100.90	99.12
PTGIS	-1.87	0.00	62.04	52.98	30.42	48.24	20.83
PTGR1	-1.76	0.00	20.76	20.73	16.32	19.93	7.45

PTGR2	1.60	0.00	23.62	21.82	22.19	26.05	31.57
PTGS1	7.99	0.00	3.78	4.39	3.79	3.85	48.99
PTGS2	13.34	0.00	7.45	7.14	3.39	14.95	217.81
PTH1R	-1.14	0.61	27.75	38.57	41.77	22.99	23.61
PTHLH	-1.23	0.44	10.55	6.86	6.79	11.89	6.06
PTK2	-1.19	0.23	139.44	141.10	142.95	145.74	104.55
PTK7	1.15	0.37	45.30	48.04	44.65	47.56	48.36
PTMA_1	-1.02	0.99	19.49	20.59	9.92	7.25	17.30
PTMA_2	-1.02	0.93	235.66	311.02	259.00	247.10	245.97
PTMS	1.18	0.35	99.42	131.08	81.07	112.11	128.67
PTN	1.10	0.62	501.59	456.79	544.77	448.22	586.89
PTOV1	-1.47	0.00	47.25	59.98	58.48	50.39	30.81
PTP4A1	-1.12	0.53	72.93	94.30	92.69	84.71	72.35
PTP4A2	1.41	0.07	128.21	103.35	135.12	109.96	158.84
PTP4A3	-1.29	0.47	2.06	1.65	3.00	1.93	2.15
PTPMT1	-1.31	0.25	7.11	10.43	6.40	7.02	6.57
PTPN1	4.43	0.00	17.09	19.35	15.53	19.93	104.80
PTPN11	1.49	0.00	124.54	109.26	104.70	102.03	193.19
PTPN12	2.18	0.00	66.51	80.16	77.02	60.13	229.18
PTPN13	1.54	0.01	14.79	11.53	13.84	15.63	19.45
PTPN14	1.16	0.36	85.09	60.39	60.70	87.20	75.38
PTPN18	1.14	0.74	7.57	5.76	10.05	6.57	13.13
PTPN2	1.41	0.02	34.17	34.04	36.42	29.78	45.84
PTPN21	-1.23	0.27	33.83	25.26	30.42	42.58	21.84
PTPN23_1	1.05	0.84	24.77	21.82	26.76	27.18	21.09
PTPN23_2	1.23	0.16	28.55	22.51	27.94	31.26	31.57
PTPN3	2.67	0.00	67.66	60.12	51.30	51.75	184.98
PTPN4	-1.53	0.01	13.76	14.00	13.45	11.44	10.86
PTPN6	5.35	0.00	1.83	1.37	1.44	1.36	9.85
PTPN9	1.08	0.61	29.36	33.22	29.76	48.58	37.12
PTPRA	-1.04	0.84	55.16	62.04	66.58	56.06	57.70
PTPRB	-1.30	0.54	0.92	1.24	3.66	1.36	0.51
PTPRCAP	1.09	0.86	2.41	2.06	4.05	2.04	2.02
PTPRD	-2.71	0.00	106.42	63.96	72.71	91.05	25.51
PTPRE	3.80	0.00	1.26	1.78	2.09	1.02	5.30
PTPRF	1.86	0.00	57.45	69.18	46.08	60.13	100.13
PTPRG_1	3.73	0.00	18.35	13.59	13.32	30.58	76.27
PTPRG_2	3.54	0.00	1.61	1.37	1.83	3.85	8.08
PTPRH	-1.50	0.23	2.29	1.65	2.35	2.38	1.26
PTPRJ	1.56	0.19	2.52	2.75	2.22	3.06	5.05
PTPRK_1	1.02	0.71	28.10	10.71	9.14	17.55	14.77
PTPRK_2	1.15	0.55	23.05	12.35	7.57	16.65	12.37
PTPRM	-1.10	0.59	55.62	57.51	62.01	75.31	59.47
PTPRS	-2.21	0.00	312.03	237.32	190.21	160.47	95.21
PTPRT	1.00	0.59	25.23	362.91	284.33	399.52	139.65
PTPRU	2.05	0.00	39.56	31.57	34.73	41.79	60.10
PTPRZ1	-2.64	0.00	6.31	5.63	4.44	8.38	1.89

PTRF	-1.16	0.42	253.43	301.69	291.25	205.65	208.97
PTRH1	-1.05	0.89	3.33	3.98	3.66	2.49	2.65
PTRH2	1.05	0.84	7.11	5.76	8.35	4.76	7.45
PTRHD1	-1.88	0.00	8.14	7.96	6.14	5.44	3.03
PTS	-1.16	0.61	5.62	4.67	4.05	3.17	4.55
PTTG1_1	-3.05	0.00	30.16	41.04	28.20	24.69	8.97
PTTG1IP	1.08	0.66	92.54	100.88	86.94	92.63	100.00
PUDP	-1.50	0.02	13.42	14.00	10.97	10.53	7.95
PUF60	-1.89	0.00	162.61	178.57	170.23	106.79	78.66
PUM1	1.36	0.03	90.13	69.45	83.81	95.24	122.48
PUM2	1.17	0.41	374.53	383.08	372.06	356.38	488.15
PUM3	1.33	0.06	15.02	13.73	14.75	18.23	23.11
PURA	-1.05	0.79	28.10	33.49	28.20	26.95	27.78
PURB	-1.26	0.26	94.26	93.33	69.45	55.49	63.13
PURG	1.12	0.71	2.52	3.43	3.00	3.06	3.54
PUS1	1.57	0.03	13.42	6.45	9.01	12.23	14.02
PUS10	-1.33	0.15	27.75	16.20	25.85	27.29	15.78
PUS3	1.59	0.21	1.26	1.10	1.70	1.13	1.77
PUS7	1.46	0.03	9.40	9.47	11.10	10.19	17.80
PUS7L	1.09	0.66	6.31	10.43	12.01	11.66	9.85
PUSL1	1.54	0.18	2.06	2.06	2.09	2.49	3.16
PVALB	6.41	0.00	2.87	1.78	2.87	0.91	13.38
PVRL1	-2.18	0.00	9.17	6.86	8.88	7.59	4.42
PVRL2	1.19	0.31	21.33	25.94	24.02	17.55	32.70
PVRL3	1.04	0.81	12.38	18.53	17.49	20.84	19.95
PVRL4	3.98	0.00	0.23	0.27	0.78	0.45	1.39
PWP1	1.02	0.92	25.57	23.88	30.68	26.27	25.76
PWP2	1.55	0.00	9.17	11.53	9.14	11.66	15.91
PWWP2A	1.02	0.87	23.28	15.65	17.23	19.36	20.20
PWWP2B	1.46	0.16	2.18	4.39	3.00	1.25	3.41
PXDC1	-1.15	0.41	18.58	22.10	19.45	21.29	15.53
PXDН	1.56	0.00	169.15	214.94	209.13	196.36	301.02
PXK	1.79	0.00	12.27	12.63	10.97	19.25	27.27
PXMP2	1.36	0.09	7.22	7.14	6.79	7.59	10.86
PXN	-2.10	0.00	131.88	116.94	112.92	95.12	57.45
PXYLP1	-1.07	0.75	313.52	377.59	280.28	428.29	272.49
PYCARD	1.80	0.15	0.34	0.96	0.91	0.00	0.88
PYCR1	-2.29	0.00	196.78	217.83	223.23	167.71	74.75
PYCR2	1.09	0.68	11.58	12.35	12.01	11.55	13.89
PYCRL	1.08	0.62	34.40	36.65	33.42	30.46	38.89
PYGB	-1.20	0.25	21.56	24.43	21.28	24.46	16.79
PYGL	1.17	0.33	88.18	103.49	107.18	85.27	120.59
PYGO1	-1.18	0.26	43.12	38.98	48.17	43.94	30.43
PYGO2	-1.03	0.88	37.73	36.37	38.51	36.12	33.21
PYM1	-1.49	0.02	10.21	10.16	8.88	8.72	6.06
PYROXD1	1.14	0.54	12.38	9.06	10.57	12.12	9.60
QARS	1.30	0.18	52.64	61.77	59.01	60.02	48.11

QDPR	-1.22	0.26	16.74	17.57	16.84	12.91	11.24
QKI	-1.21	0.20	64.22	59.57	74.41	56.73	44.70
QPCT	2.29	0.00	15.60	14.69	11.49	19.70	38.13
QPCTL	2.70	0.00	18.35	17.29	13.84	16.99	55.43
QPRT	1.20	0.57	1.26	1.51	3.13	0.57	2.15
QRICH1	-1.19	0.23	64.68	63.69	56.40	59.00	50.38
QRICH2	1.69	0.08	2.18	1.92	1.44	2.94	4.29
QRSL1	-1.06	0.87	11.58	12.63	15.14	8.49	10.86
QSER1	1.19	0.27	72.24	84.96	76.37	92.86	109.47
QSOX1	1.17	0.34	147.93	159.63	154.44	133.51	179.30
QSOX2	-1.76	0.00	59.52	59.71	47.65	50.05	25.13
QTRT1	1.66	0.01	16.17	8.65	7.31	10.64	17.42
QTRTD1	-1.17	0.53	6.54	4.94	5.35	6.45	5.18
R3HCC1	-1.24	0.24	11.24	9.75	9.79	9.74	8.21
R3HCC1L	1.44	0.03	9.98	8.37	9.01	10.98	13.64
R3HDM1	-1.14	0.44	20.99	19.90	24.41	21.86	21.84
R3HDM2	1.19	0.25	67.20	79.33	70.76	85.16	86.87
R3HDM4	-1.04	0.80	26.83	31.43	27.28	26.39	30.30
RAB10	1.08	0.66	35.55	42.69	39.69	40.99	45.71
RAB11A	1.81	0.00	22.82	21.27	25.72	25.37	48.23
RAB11B	-1.01	0.97	41.05	52.84	41.38	40.99	44.70
RAB11FIP1	1.08	0.75	17.43	15.92	16.58	11.66	16.41
RAB11FIP2	-1.24	0.20	36.58	27.31	27.68	34.09	24.50
RAB11FIP3	1.16	0.31	35.09	39.26	33.42	41.22	42.17
RAB11FIP4	2.15	0.00	29.36	27.18	30.55	31.82	76.01
RAB11FIP5	2.07	0.00	40.71	34.18	35.38	32.73	84.22
RAB12	1.19	0.25	43.81	35.96	47.65	46.09	47.60
RAB13	1.59	0.00	20.07	31.16	25.46	23.55	44.70
RAB14	-1.15	0.37	115.48	125.59	122.97	114.72	104.04
RAB15	1.43	0.24	2.06	2.75	2.87	4.42	6.19
RAB18	-1.01	0.97	96.33	148.37	111.49	107.69	112.76
RAB1A	-1.21	0.24	126.49	171.85	161.09	138.04	123.36
RAB1B	-1.03	0.91	49.65	63.14	48.95	48.24	51.26
RAB20	6.04	0.00	1.38	0.82	1.31	0.45	8.97
RAB21	-1.12	0.53	17.43	15.92	18.28	15.51	14.02
RAB22A	1.31	0.07	18.92	16.88	16.32	23.67	22.73
RAB23	-1.22	0.40	9.98	6.45	7.70	8.27	4.55
RAB24	1.62	0.00	11.70	14.14	12.92	16.99	22.85
RAB26	-2.43	0.00	8.83	8.51	7.83	11.55	2.15
RAB27A	1.10	0.60	29.70	24.57	27.15	30.80	35.23
RAB27B	-1.63	0.06	18.35	24.84	12.53	10.08	13.01
RAB28	-1.26	0.08	68.23	65.47	74.54	65.79	55.43
RAB29	2.60	0.00	4.47	2.75	1.57	4.64	10.73
RAB2A	-1.49	0.00	158.82	196.83	184.72	161.60	102.02
RAB2B	-1.03	0.91	25.34	22.24	31.07	31.37	22.22
RAB30	-1.06	0.88	5.73	4.53	6.53	3.62	3.79
RAB31	2.80	0.00	25.57	29.92	43.47	33.41	102.15

RAB32	2.68	0.00	6.08	8.92	6.01	5.78	24.87
RAB33B	1.29	0.07	40.14	31.71	42.69	34.54	48.99
RAB34	1.11	0.50	43.23	45.43	44.12	46.54	45.08
RAB35	-1.04	0.82	62.61	57.10	48.04	45.52	63.26
RAB36	2.01	0.01	3.90	1.51	1.17	3.40	5.68
RAB37	3.12	0.00	1.72	0.27	1.17	0.68	5.05
RAB38	130.10	0.00	0.11	0.14	0.13	0.00	23.99
RAB3A	-2.48	0.00	3.55	8.65	4.44	4.76	1.89
RAB3D	3.70	0.00	3.33	3.43	3.79	5.44	16.54
RAB3GAP1	1.14	0.40	72.24	65.75	73.37	78.02	82.71
RAB3GAP2	1.18	0.34	62.04	61.90	70.76	66.36	76.77
RAB3IL1	1.35	0.22	4.47	4.67	3.52	4.98	5.43
RAB40C	1.36	0.04	13.65	18.26	13.05	14.38	19.82
RAB42	-3.40	0.00	2.87	3.57	3.79	2.26	0.76
RAB43	1.02	0.94	7.00	7.96	10.05	9.40	9.85
RAB4A	1.13	0.57	11.93	9.06	6.14	8.72	11.62
RAB4B	1.30	0.11	11.58	16.47	14.23	13.14	19.70
RAB5A	-1.14	0.39	47.59	59.29	55.35	53.11	44.32
RAB5B	1.19	0.29	102.40	108.02	102.09	120.04	119.07
RAB5C	1.20	0.22	41.40	50.51	43.34	46.20	58.08
RAB6A	-1.32	0.05	115.71	116.12	135.51	106.45	94.83
RAB7A	1.22	0.20	24.88	30.47	25.59	26.05	34.09
RAB7B	1.70	0.00	20.30	38.16	18.67	25.14	35.73
RAB8A	-1.28	0.11	31.08	37.75	29.50	29.33	27.02
RAB8B	1.46	0.03	29.01	24.43	24.80	23.33	32.70
RAB9A	1.22	0.26	12.27	13.04	11.75	11.10	12.37
RABAC1	-1.18	0.40	114.90	163.34	153.13	105.77	128.04
RABEP1	1.74	0.00	57.45	50.92	58.62	51.87	105.56
RABEP2	1.19	0.39	16.17	20.86	19.58	17.10	17.05
RABEPK	-1.02	0.97	7.57	7.82	7.83	4.87	7.58
RABGAP1	1.32	0.04	50.69	53.94	54.05	51.41	78.03
RABGAP1L_1	-1.01	0.97	5.73	5.90	4.05	6.34	6.31
RABGAP1L_2	-1.12	0.55	35.55	30.33	32.24	43.94	34.09
RABGEF1	1.13	0.54	16.74	18.26	19.45	16.19	24.12
RABGGTA	-1.02	0.91	11.01	10.84	10.31	10.53	9.72
RABGGTB	1.16	0.33	33.94	31.98	40.21	27.40	39.14
RABIF	-1.35	0.36	2.06	2.47	2.48	1.93	1.64
RABL2B	1.01	0.97	53.67	50.78	57.18	55.94	62.38
RABL3	-1.24	0.20	15.37	22.10	18.67	17.78	13.76
RABL6	-1.10	0.56	47.70	63.55	54.31	49.37	46.47
RAC1	-1.10	0.62	69.49	100.61	80.81	73.27	81.44
RAC2	2.71	0.04	0.11	0.27	0.39	0.68	1.26
RAC3	-2.00	0.00	7.80	4.94	6.92	4.19	3.03
RACGAP1	-2.61	0.00	124.19	170.88	131.46	112.34	38.26
RACK1	1.59	0.00	585.99	916.74	749.07	713.32	1234.77
RAD1	-1.12	0.63	8.26	6.86	6.92	6.91	4.17
RAD17	-1.13	0.49	22.02	27.31	25.06	20.84	18.69

RAD18	-2.26	0.00	9.86	13.45	12.92	9.51	3.54
RAD21	-1.34	0.05	208.94	243.63	206.39	217.65	153.16
RAD23A	-1.01	1.00	29.47	48.73	39.69	34.99	39.40
RAD23B	-1.17	0.43	165.93	119.28	120.23	109.96	99.12
RAD50	-1.29	0.06	43.92	42.14	40.34	47.45	30.68
RAD51	-1.91	0.00	33.26	34.73	31.07	29.67	10.48
RAD51B	-1.01	0.99	3.44	3.16	3.13	4.76	2.90
RAD51C	-1.49	0.01	19.04	13.73	16.84	16.76	9.34
RAD51D	-1.12	0.66	13.53	10.57	12.14	7.93	8.59
RAD52	1.37	0.04	14.68	11.94	13.45	12.91	16.67
RAD54B	-1.57	0.02	8.14	6.31	8.22	7.47	4.04
RAD54L	-2.41	0.00	44.61	41.86	40.86	45.30	13.64
RAD54L2	-1.07	0.69	26.72	23.61	22.58	24.01	22.60
RAD9A	-1.09	0.75	8.37	9.06	6.27	6.68	6.69
RAD9B	-1.45	0.30	3.10	2.20	5.22	2.83	2.40
RADIL	-1.44	0.38	0.92	1.10	1.96	1.47	0.63
RAE1	1.17	0.41	11.58	11.39	12.40	11.32	14.90
RAET1G	5.97	0.00	0.34	0.27	0.13	0.45	3.03
RAF1_1	1.58	0.00	18.92	17.98	17.36	23.78	26.77
RAI1	-2.14	0.00	132.22	78.24	97.39	89.69	48.23
RAI14	1.33	0.31	53.55	41.04	43.21	59.11	103.29
RALA	-1.15	0.50	8.03	8.24	7.57	8.83	8.97
RALB	-1.05	0.85	19.84	28.00	28.20	21.63	22.10
RALBP1	1.12	0.48	27.41	36.37	33.55	29.90	40.78
RALGAPA1	1.10	0.56	43.58	35.55	48.69	60.59	55.05
RALGAPA2	-1.75	0.05	30.73	17.71	46.34	15.63	15.03
RALGAPB	-1.06	0.77	83.94	66.43	73.76	79.95	76.90
RALGDS	9.37	0.00	2.29	2.47	3.00	2.94	34.09
RALGPS2	1.56	0.11	2.64	2.20	2.87	2.38	4.80
RALY	1.01	0.95	63.07	80.57	63.05	62.17	70.33
RAMP1	1.38	0.11	7.91	11.80	9.92	17.67	18.44
RAMP2	2.20	0.00	5.50	5.76	7.18	9.97	16.79
RAMP3	417.18	0.00	0.00	0.14	0.00	0.00	33.08
RANBP1_1	-1.73	0.00	24.31	27.45	25.46	19.93	16.79
RANBP1_2	-1.63	0.00	22.48	25.67	23.24	18.91	15.53
RANBP10	1.12	0.47	34.52	29.65	30.29	31.82	35.86
RANBP17	-1.81	0.05	3.90	2.75	3.26	4.08	2.15
RANBP2	-1.06	0.73	131.88	130.81	149.87	148.91	125.01
RANBP3	1.12	0.49	65.94	68.77	56.00	72.59	69.45
RANBP6	1.08	0.63	43.58	52.98	59.14	46.54	56.19
RANBP9	1.09	0.58	59.17	69.18	34.33	32.39	44.19
RANGAP1	-1.75	0.00	37.96	41.31	39.29	38.50	19.95
RANGRF	2.11	0.00	2.87	2.20	2.09	2.26	5.05
RAP1A	1.08	0.69	50.23	53.67	64.10	56.06	65.28
RAP1B	1.39	0.06	11.24	17.84	12.79	18.12	23.86
RAP1GAP	3.23	0.00	10.55	8.78	7.70	11.44	41.04
RAP1GAP2	-1.67	0.14	4.47	2.06	3.66	2.15	2.02

RAP1GDS1	1.82	0.01	5.62	4.53	9.14	5.10	13.76
RAP2A	-1.16	0.42	11.47	11.67	13.32	11.55	8.97
RAP2B	1.85	0.00	9.29	11.26	12.40	10.98	20.83
RAP2C	1.17	0.33	108.02	97.45	100.26	112.11	110.74
RAPGEF1	2.66	0.00	22.82	25.53	28.98	27.63	80.18
RAPGEF2	1.09	0.58	221.32	175.83	196.86	192.85	222.23
RAPGEF3	1.02	0.97	5.62	5.90	7.57	8.49	6.57
RAPGEF4	2.28	0.01	4.13	3.98	1.17	8.49	6.06
RAPGEF5	-2.62	0.00	4.70	5.22	9.27	6.12	1.39
RAPGEF6	-1.04	0.85	33.03	23.06	25.85	30.12	32.58
RAPGEFL1	-1.03	0.93	9.06	6.31	9.27	9.74	8.33
RAPH1	4.28	0.00	76.37	83.86	101.43	135.21	455.20
RARA	2.07	0.00	21.33	27.18	23.50	26.27	40.15
RARG	-1.76	0.00	238.29	285.91	194.51	274.27	109.73
RARRES1	-1.90	0.04	5.16	3.71	5.74	2.60	1.39
RARRES2	2.34	0.00	95.52	145.63	95.82	75.99	338.78
RARS	-1.08	0.64	31.19	30.47	35.77	32.39	25.13
RARS2	-1.33	0.04	22.82	21.55	26.37	22.76	18.56
RASA1	1.23	0.15	41.74	33.49	40.60	44.50	53.54
RASA2	1.55	0.09	3.78	1.78	2.87	3.28	5.56
RASA3	3.06	0.00	37.50	31.57	34.59	40.99	116.42
RASAL2	-1.05	0.82	9.75	8.10	9.92	7.36	8.33
RASD1	2.48	0.00	1.26	1.65	1.31	1.02	4.04
RASD2	-1.53	0.40	6.19	10.57	12.01	2.15	4.17
RASGEF1B	8.43	0.00	0.69	0.69	0.65	0.91	8.84
RASGRP3	-1.64	0.28	0.46	1.10	1.70	1.02	0.13
RASIP1	-1.17	0.59	1.95	2.47	2.74	2.15	1.64
RASL11A	2.25	0.01	0.80	1.10	1.83	1.59	2.90
RASL11B	-4.01	0.00	28.10	31.43	43.99	20.72	5.05
RASL12	-2.86	0.00	9.86	8.10	12.79	3.40	3.03
RASSF1	-1.52	0.01	49.54	59.43	59.79	44.96	28.66
RASSF10	1.25	0.28	16.17	17.16	13.71	18.23	18.44
RASSF2	1.89	0.41	0.34	1.10	1.70	0.57	0.76
RASSF4	8.83	0.00	0.69	0.69	0.65	0.34	8.59
RASSF5	-1.37	0.17	28.44	17.71	31.46	16.76	22.98
RASSF8	5.21	0.00	6.65	7.14	4.70	7.02	43.18
RAVER1	-1.37	0.02	72.13	75.90	61.36	65.34	49.75
RAVER2	-2.06	0.00	9.98	5.35	10.31	8.15	3.03
RB1	-1.04	0.82	21.33	21.69	20.23	23.10	19.45
RB1CC1	1.33	0.04	67.66	68.63	60.96	80.74	96.34
RBAK	1.10	0.57	17.09	13.59	16.45	12.57	16.54
RBBP4	-1.19	0.22	46.79	53.80	48.95	48.92	41.16
RBBP5	-1.09	0.56	34.63	34.45	36.03	35.11	31.95
RBBP6	-1.00	0.99	109.06	101.98	124.41	137.14	108.59
RBBP7	-1.65	0.00	141.85	128.47	133.68	123.77	71.59
RBBP8	-1.44	0.01	46.67	38.02	45.43	45.86	27.40
RBBP9	-1.42	0.24	2.29	2.88	2.61	3.17	1.52

RBCK1	1.79	0.00	14.10	16.20	13.97	16.31	27.65
RBFA	1.18	0.34	11.58	11.26	10.97	9.85	13.51
RBFOX2	1.07	0.72	229.35	261.06	215.01	218.11	270.59
RBFOX3	-2.16	0.04	10.55	7.14	15.53	3.51	6.94
RBKS	1.13	0.59	7.22	8.24	5.74	7.02	7.32
RBL1	-2.25	0.00	41.17	33.35	32.38	31.93	9.72
RBL2	1.19	0.23	48.51	45.57	47.39	52.54	54.04
RBM10	-1.27	0.08	82.22	85.92	84.99	80.06	61.37
RBM11	-2.48	0.00	10.78	7.69	9.79	8.49	3.79
RBM12	-1.34	0.49	1.15	1.92	0.91	1.70	1.01
RBM12B	-1.39	0.01	78.21	84.14	90.99	81.76	54.04
RBM14	-1.55	0.00	59.06	73.16	69.32	70.21	33.71
RBM15	-1.47	0.00	28.21	25.26	25.72	22.99	15.66
RBM15B	-1.00	0.99	19.49	20.31	22.32	18.46	19.19
RBM17	-1.05	0.77	35.89	32.39	32.38	35.45	32.70
RBM18	1.25	0.30	8.94	12.63	10.70	7.81	15.91
RBM19	1.86	0.00	6.19	7.41	6.79	7.59	13.38
RBM22	1.24	0.13	22.48	25.39	27.28	27.86	30.18
RBM23	-1.34	0.06	37.27	27.73	28.46	37.37	24.24
RBM25	-1.39	0.02	115.02	96.22	114.23	113.70	83.21
RBM26	-1.15	0.41	92.77	81.67	101.70	103.28	88.77
RBM27	-1.02	0.97	21.21	36.10	31.46	28.20	30.18
RBM28	1.09	0.69	7.57	8.92	6.14	9.17	8.46
RBM3	-1.63	0.00	157.10	143.43	146.21	117.21	112.38
RBM33	-1.22	0.24	92.31	68.35	76.37	97.50	80.05
RBM34	1.63	0.08	2.18	4.12	3.26	2.94	7.45
RBM39	1.10	0.61	259.28	229.63	291.25	282.65	251.15
RBM4	-1.12	0.45	46.44	45.43	45.43	39.97	34.22
RBM41	-1.01	0.92	19.27	15.92	20.50	23.67	23.23
RBM42	-1.06	0.75	29.82	34.86	26.50	25.82	28.92
RBM43	1.86	0.07	3.78	1.51	3.13	2.15	5.81
RBM45	1.13	0.45	20.18	22.10	21.93	21.18	25.00
RBM48	1.16	0.53	5.62	6.59	7.96	5.78	6.94
RBM4B	-1.49	0.03	23.62	14.82	20.76	19.59	8.97
RBM5	1.12	0.51	233.48	162.51	223.36	232.49	215.29
RBM6	1.02	0.89	68.00	57.51	61.49	66.02	67.05
RBM7	-1.08	0.69	29.47	37.47	27.94	24.91	23.99
RBM8A	-1.02	0.93	26.95	31.43	25.33	28.20	27.91
RBMS1	1.98	0.00	66.28	52.71	56.27	52.66	129.80
RBMS2	2.00	0.00	19.72	15.92	17.49	19.25	37.38
RBMS3	1.00	0.92	3.55	3.43	3.13	7.93	2.78
RBMX	-1.37	0.06	205.04	198.06	251.69	238.94	128.79
RBMX2	1.24	0.23	17.20	13.18	15.53	18.23	17.42
RBP1	-2.53	0.08	3.67	6.04	4.05	0.79	0.25
RBP3	-1.79	0.31	0.46	0.69	2.35	1.81	0.38
RBP4	3.76	0.00	51.26	45.98	43.08	41.90	210.87
RBPJ	2.43	0.00	15.37	13.31	11.75	15.06	36.62

RBPJL	-1.99	0.58	0.57	1.10	2.48	0.00	0.38
RBPM52	1.04	0.99	1.95	1.65	1.96	2.04	2.78
RBSN	-1.27	0.11	21.90	18.26	18.93	21.74	16.16
RBX1	1.04	0.83	34.63	37.33	34.99	31.37	37.38
RC3H1	-1.03	0.83	33.48	23.33	23.89	22.54	25.76
RC3H2	-1.14	0.46	117.54	86.61	116.32	108.71	95.46
RCAN1	5.74	0.00	25.00	29.51	25.33	31.82	227.91
RCAN3	-1.95	0.02	5.28	4.39	6.14	3.06	1.77
RCBTB1	1.05	0.77	14.10	9.20	11.49	19.82	13.76
RCBTB2	-1.10	0.54	82.91	74.94	78.72	76.33	75.89
RCC1	-1.95	0.00	29.93	30.61	23.89	27.29	11.24
RCC2	-1.38	0.03	71.33	84.96	60.44	76.89	44.45
RCCD1	-1.32	0.16	8.60	7.96	7.18	7.47	5.18
RCE1	-1.17	0.44	14.33	9.88	13.32	15.06	8.71
RCHY1	1.32	0.07	12.61	11.53	10.44	13.25	16.29
RCL1	3.25	0.00	5.62	5.08	5.74	6.45	26.01
RCN1	-2.16	0.00	711.44	924.70	1001.29	612.98	371.35
RCN2	-2.72	0.00	275.22	338.89	332.76	251.51	87.88
RCN3	-1.94	0.00	330.15	481.63	379.50	304.85	148.87
RCOR1	-1.18	0.25	51.49	49.41	57.44	55.38	42.55
RCOR2	-1.91	0.00	22.02	27.45	22.58	28.54	6.94
RCOR3	1.02	0.90	34.86	24.71	27.02	29.78	30.18
RCSD1	-1.39	0.56	1.15	0.41	2.09	1.59	0.76
RDH10	3.14	0.00	14.33	8.10	6.79	6.91	51.52
RDH11	-1.07	0.68	38.99	48.04	47.39	37.48	41.92
RDH13	1.53	0.20	1.03	1.78	1.70	2.15	2.53
RDH14	1.10	0.74	8.37	8.51	8.88	10.76	12.75
RDH5	-1.25	0.83	1.83	2.75	0.26	2.49	1.52
RDM1	-2.17	0.01	5.73	5.22	6.27	3.51	1.77
RDX	-1.21	0.20	99.42	105.69	111.62	101.24	92.68
RECK	-1.45	0.03	186.35	220.02	274.41	171.90	135.61
RECQL	-1.34	0.04	40.25	30.61	39.82	37.60	27.40
RECQL4	-3.18	0.00	19.84	20.18	18.80	17.78	3.41
RECQL5	-1.31	0.13	25.69	20.18	18.93	16.31	13.13
REEP2	2.87	0.00	2.06	2.61	2.09	2.83	7.32
REEP3	-1.08	0.64	54.24	56.82	62.79	64.66	49.37
REEP4	-2.19	0.00	18.81	24.02	14.10	12.00	8.33
REEP5	1.02	0.91	198.73	243.63	284.20	217.09	226.27
REEP6	-1.90	0.10	2.06	2.06	1.83	0.91	0.76
REL	3.40	0.00	1.15	2.47	3.52	2.38	7.83
RELA	1.43	0.01	43.69	55.31	41.12	41.90	72.73
RELB	16.58	0.00	9.75	6.59	7.44	11.66	259.99
RELL1	1.26	0.17	61.01	74.39	43.34	33.86	62.88
RELL2	1.61	0.04	3.78	3.43	2.48	5.44	5.43
RELT	-3.20	0.00	15.94	20.73	16.06	15.29	3.03
REM1	1.50	0.14	3.10	2.47	1.70	4.19	3.41
RENBP	2.59	0.00	2.18	3.02	2.09	3.85	7.07

REP15	-1.93	0.01	13.07	10.16	7.05	13.59	3.54
REPIN1	-1.04	0.85	53.67	77.69	69.32	48.13	57.20
REPS1	1.13	0.49	22.59	23.61	29.50	25.82	23.36
RER1	-1.17	0.32	58.71	72.75	64.62	53.79	53.29
RERE	-1.01	0.97	161.35	125.18	142.95	168.28	149.50
RERG	2.14	0.03	1.72	1.37	1.70	2.04	3.54
REST	-1.25	0.11	32.22	40.77	37.08	38.50	27.53
RET	6.19	0.00	4.01	2.61	3.52	2.49	13.64
RETSAT	1.34	0.13	11.93	6.18	7.70	9.06	13.51
REV1	-1.02	0.95	27.52	23.88	24.93	32.05	28.16
REV3L	3.68	0.00	28.10	23.47	27.55	35.90	106.07
REXO1	1.16	0.33	30.27	26.77	26.63	32.16	36.87
REXO2	-1.01	0.97	26.60	31.98	34.59	27.07	27.65
REXO4	1.46	0.12	5.28	6.86	3.39	4.42	8.84
RFC1	-1.01	0.97	90.02	68.22	90.47	84.93	74.37
RFC2	-1.25	0.15	28.32	31.84	23.11	27.18	22.73
RFC3	1.04	0.90	17.89	19.49	19.06	16.08	13.64
RFC4	-2.03	0.00	15.14	13.73	14.10	14.72	6.57
RFC5	-1.61	0.00	100.57	79.06	107.70	111.88	50.51
RFFL	1.90	0.00	15.02	13.59	13.71	14.04	29.42
RFK	1.15	0.47	18.46	24.43	26.76	21.29	30.94
RFNG	-1.22	0.21	79.47	96.08	92.43	103.73	68.06
RFT1	-1.27	0.22	8.83	10.29	8.88	10.42	8.46
RFTN2	-1.02	0.90	49.65	56.14	69.58	52.88	70.96
RFWD2	-1.02	0.92	26.60	34.31	33.16	30.12	32.70
RFWD3	-1.78	0.00	48.51	49.28	43.99	42.92	17.80
RFX1	1.05	0.81	15.48	18.53	16.32	19.93	17.55
RFX3	1.10	0.70	21.79	15.24	24.02	23.21	32.20
RFX5	1.07	0.75	21.56	18.53	18.54	19.93	21.34
RFX7	1.06	0.69	68.69	49.14	51.83	88.44	60.23
RFXANK	1.03	0.90	13.53	12.35	16.32	15.85	12.25
RFXAP	-1.22	0.38	40.94	45.84	47.26	24.57	33.33
RGCC	1.20	0.33	8.26	13.59	13.19	15.29	14.27
RGL1	1.68	0.12	5.73	3.43	6.27	7.93	12.00
RGL2	1.41	0.01	35.21	43.10	36.16	45.86	55.43
RGMA	-1.79	0.00	69.61	68.35	68.41	43.71	33.21
RGMB	-1.18	0.28	22.59	20.59	22.19	23.78	16.92
RGN	-1.25	0.40	5.05	3.98	4.57	5.78	2.65
RGP1	-1.11	0.55	65.25	55.04	56.40	47.90	32.96
RGR	-12.82	0.00	5.50	1.78	1.70	1.81	0.25
RGS10	-1.11	0.66	6.88	3.84	6.01	4.87	6.94
RGS12	-1.47	0.30	2.18	2.61	1.57	1.59	0.88
RGS16	45.02	0.00	1.49	4.12	2.74	2.83	149.88
RGS19	1.05	0.85	7.34	8.51	9.01	6.34	8.59
RGS22	-5.31	0.00	0.69	1.10	2.87	1.47	0.38
RGS3	-1.09	0.64	64.45	53.94	45.82	54.81	52.15
RGS5	-2.68	0.01	3.55	3.84	6.66	2.94	0.38

RGS7	2.67	0.02	0.69	0.55	0.13	1.25	2.15
RGS8	80.49	0.00	0.23	0.00	0.00	0.45	14.65
RGS9	1.43	0.19	12.84	5.35	5.61	10.08	12.88
RHBDD1	2.04	0.00	5.50	7.69	4.83	8.38	15.91
RHBDD2	1.18	0.32	34.40	32.67	25.98	33.52	44.32
RHBDD3	-1.94	0.00	13.65	17.02	15.67	14.95	5.81
RHBDF1	1.15	0.45	25.00	22.24	23.89	14.16	30.81
RHBDF2	3.53	0.00	4.24	3.43	3.00	4.64	17.30
RHBDL1	1.00	0.82	14.56	12.22	10.97	20.95	9.34
RHBDL2	3.26	0.00	1.38	1.24	0.78	0.45	4.17
RHBG	-2.04	0.03	8.14	10.16	8.49	3.17	2.40
RHEB	1.16	0.40	14.33	17.43	13.05	12.68	18.69
RHNO1	-3.11	0.00	14.91	23.06	15.27	13.82	3.54
RHOA	1.28	0.16	196.55	229.08	226.50	202.37	314.53
RHOB	-1.59	0.00	55.62	55.73	63.05	47.56	28.54
RHOBTB1	-1.79	0.01	9.75	7.55	13.58	10.53	4.17
RHOBTB2	1.38	0.12	5.39	3.71	5.61	5.10	6.19
RHOBTB3	-1.21	0.23	473.72	517.87	436.15	419.57	376.03
RHOC	-1.01	0.94	133.37	152.22	123.24	139.63	152.03
RHOD	1.68	0.00	5.50	10.16	5.48	8.15	12.12
RHOF	-1.07	0.77	8.72	8.24	7.31	10.42	6.94
RHOG	1.68	0.00	7.11	8.92	6.92	6.91	13.26
RHOJ	1.88	0.00	40.94	39.80	24.28	48.24	82.33
RHOQ	2.92	0.00	8.60	8.78	10.84	13.48	32.45
RHOT1	-1.12	0.54	17.77	20.31	24.28	24.46	17.30
RHOT2	1.01	0.95	11.35	15.37	13.58	11.66	11.36
RHOU	2.26	0.00	9.29	7.27	6.66	10.98	23.99
RHPN1	-1.77	0.12	1.49	1.10	1.96	1.47	1.26
RHPN2	1.06	0.80	5.05	3.16	4.70	8.38	5.05
RIBC1	-1.19	0.55	3.21	3.84	4.05	5.21	2.78
RIC1	-1.02	0.92	39.22	27.86	34.33	38.62	37.75
RIC3	1.26	0.74	1.26	1.37	0.52	0.45	0.76
RIC8A	-1.46	0.01	43.46	55.18	57.44	42.81	28.66
RIC8B	-2.33	0.00	40.59	53.80	53.52	47.11	15.91
RICTOR	1.66	0.00	35.55	32.94	39.16	48.13	77.40
RIDA	1.57	0.07	1.72	3.29	4.31	2.94	5.30
RIF1	-1.24	0.19	131.76	168.28	118.27	124.91	113.26
RILP	6.48	0.00	0.34	0.55	0.52	0.34	4.04
RILPL1	1.18	0.36	18.69	26.22	24.28	19.36	30.30
RILPL2	1.81	0.01	14.45	14.14	14.23	14.95	33.59
RIMBP2	-1.62	0.14	1.95	1.65	2.35	2.38	0.88
RIMKLB	-2.41	0.00	37.38	34.18	43.99	32.73	21.59
RIMS2	-2.51	0.00	7.22	9.20	8.09	12.34	2.53
RIN1	5.28	0.00	1.61	1.10	0.39	1.59	9.34
RIN2	3.08	0.00	29.13	30.75	20.23	33.07	105.56
RIN3	-1.59	0.00	17.55	18.12	20.10	19.48	15.66
RING1	-1.02	0.95	42.66	65.47	48.30	46.66	45.46

RINT1	-1.55	0.00	41.51	40.49	40.34	42.81	23.61
RIOK1	1.05	0.78	34.29	31.98	18.67	26.50	28.16
RIOK2	1.18	0.27	21.90	27.86	29.90	24.57	31.69
RIOK3	1.83	0.00	35.09	31.43	43.99	36.58	81.06
RIPK1	1.33	0.05	15.37	14.82	17.62	16.19	23.49
RIPK2	1.26	0.23	11.35	10.57	14.62	12.57	19.70
RIPK3	4.05	0.00	0.57	1.24	1.17	1.13	4.55
RIPK4	-2.00	0.15	1.72	1.78	6.40	2.38	1.26
RIPPLY3	19.45	0.00	0.46	0.27	0.13	0.34	11.49
RIT1	1.01	0.96	20.07	23.20	24.93	26.39	22.22
RITA1	-1.34	0.32	4.93	4.53	5.87	2.94	4.55
RLF	1.10	0.57	42.31	52.43	52.35	55.72	47.35
RLIM_1	-1.44	0.00	55.96	54.90	55.09	58.43	36.24
RMDN1	1.35	0.20	6.54	3.84	6.92	5.78	9.98
RMDN2	-1.15	0.66	9.52	5.22	5.48	9.06	6.06
RMDN3	-1.06	0.76	12.16	13.31	12.01	12.57	11.62
RMI1	-2.04	0.00	19.61	19.35	19.45	24.91	10.99
RMI2	-2.43	0.00	14.91	20.18	18.54	15.63	5.05
RMND1	-1.16	0.47	8.72	11.39	9.53	10.87	8.59
RMND5A	1.77	0.00	14.56	19.22	19.45	18.57	30.94
RMND5B	1.06	0.78	16.51	12.49	15.40	17.21	18.06
RNASE10	4.33	0.01	1.61	2.47	1.04	2.94	20.96
RNASE12	-1.35	0.58	1.26	0.55	0.39	1.02	1.14
RNASE13	2.02	0.00	4.01	2.75	2.74	2.49	8.59
RNASE4	3.77	0.00	30.62	35.00	24.93	40.99	118.44
RNASEH1	1.24	0.31	8.72	14.41	11.10	11.55	14.52
RNASEH2A	-1.92	0.00	72.36	85.79	66.97	57.98	29.80
RNASEH2B	1.36	0.05	24.08	34.04	22.85	23.55	37.88
RNASEH2C	-1.67	0.00	31.08	33.35	32.11	25.14	15.91
RNASEK	-1.13	0.48	34.75	43.92	34.33	33.63	40.78
RNASEL	5.21	0.00	2.41	2.47	2.09	1.93	12.50
RNASET2	1.58	0.01	14.45	24.16	19.58	18.35	23.23
RND1	207.16	0.00	0.69	0.55	0.78	0.34	227.91
RND2	-1.43	0.48	2.75	1.65	3.79	1.02	1.39
RND3	1.47	0.09	11.81	5.35	17.10	7.59	19.82
RNF10	1.06	0.82	234.28	203.41	224.67	195.80	232.21
RNF103	1.19	0.29	30.85	23.06	22.58	28.99	37.88
RNF11	-1.01	0.97	74.77	98.28	92.03	83.35	87.63
RNF111	1.06	0.75	25.92	27.59	30.03	27.97	27.53
RNF113A	-1.11	0.65	10.09	15.65	12.27	10.31	9.47
RNF114	1.19	0.23	48.16	47.77	44.26	54.58	58.71
RNF115	1.45	0.03	12.04	11.67	10.97	10.31	20.58
RNF121	-1.15	0.39	23.16	25.94	24.67	22.08	22.10
RNF122	1.20	0.59	7.11	11.67	5.87	18.91	8.71
RNF123	1.14	0.51	41.97	28.82	32.11	41.90	34.85
RNF125	2.87	0.01	0.69	0.55	0.13	1.02	1.64
RNF126	-1.07	0.80	10.66	17.84	11.49	13.59	12.63

RNF128	2.22	0.02	1.15	3.02	1.17	1.70	5.30
RNF13	1.23	0.15	51.95	47.08	48.56	52.09	61.37
RNF130	1.09	0.64	82.22	104.45	77.28	108.60	99.37
RNF135	1.24	0.15	29.47	24.98	26.76	29.10	30.30
RNF138	1.43	0.22	3.10	3.02	4.44	5.66	8.46
RNF139	1.04	0.83	36.01	37.33	35.25	37.94	38.64
RNF14	-1.03	0.86	23.97	21.69	23.50	22.76	24.62
RNF141	1.04	0.91	7.11	6.86	10.31	7.25	8.33
RNF144A	-1.39	0.02	111.81	99.37	102.61	105.54	65.66
RNF144B	2.31	0.00	64.68	41.73	53.39	75.08	210.87
RNF145	-1.51	0.03	265.24	228.12	295.30	234.07	139.27
RNF146	1.19	0.31	10.44	13.18	13.97	10.98	15.15
RNF149	-1.17	0.45	25.23	15.10	23.24	24.23	16.16
RNF150	1.73	0.01	30.96	19.63	29.63	28.20	59.72
RNF152	2.88	0.00	5.39	5.08	5.22	3.96	18.94
RNF157	-1.72	0.00	14.45	15.10	13.45	14.38	8.08
RNF166	1.07	0.74	9.06	11.80	6.01	7.70	9.72
RNF167	-1.17	0.29	26.72	25.26	26.37	29.67	20.08
RNF168	1.02	0.94	27.06	27.73	24.93	28.88	29.80
RNF169	-1.06	0.72	27.98	30.06	31.20	29.22	26.14
RNF170	-1.10	0.57	29.93	29.65	34.86	27.63	26.14
RNF181	1.38	0.06	8.60	9.88	9.66	10.53	14.90
RNF183	74.69	0.00	0.00	0.00	0.00	0.23	6.44
RNF185	1.03	0.87	35.66	34.31	28.72	35.45	35.61
RNF187	-1.37	0.04	29.13	40.49	33.03	30.92	22.60
RNF19A	1.41	0.01	34.40	32.12	34.86	36.01	51.64
RNF19B	2.44	0.00	15.48	13.31	13.05	13.70	39.52
RNF2	-1.10	0.55	42.66	52.29	49.61	45.18	44.45
RNF20	1.17	0.28	43.46	37.06	42.82	42.24	50.00
RNF207	-1.48	0.07	9.06	9.75	14.88	8.38	6.31
RNF208	1.12	0.71	3.33	2.88	2.22	2.38	3.03
RNF212B	-1.60	0.22	2.98	2.61	5.35	1.81	1.89
RNF214	1.06	0.79	18.92	18.67	18.15	21.06	19.19
RNF215	1.11	0.68	40.14	62.04	47.39	41.79	52.15
RNF216	1.30	0.07	25.00	24.02	30.42	28.20	30.43
RNF217	-1.88	0.00	74.77	59.71	90.34	52.77	39.40
RNF220	1.15	0.37	60.32	42.69	40.86	57.53	66.80
RNF24	-1.08	0.79	5.85	8.24	9.79	9.63	6.44
RNF25	1.24	0.23	9.06	9.88	8.88	10.98	11.49
RNF26	-1.26	0.17	31.19	40.77	26.63	31.03	28.54
RNF31	1.24	0.16	17.43	14.55	13.97	18.80	21.97
RNF34	-1.56	0.00	15.71	17.43	17.36	17.55	9.22
RNF38	-1.11	0.74	3.33	3.57	5.22	4.19	2.65
RNF39	1.12	0.61	9.75	6.73	6.53	5.89	9.34
RNF4	-1.41	0.01	109.97	102.67	86.81	102.26	76.64
RNF40	-1.02	0.90	42.66	41.04	41.12	45.98	42.30
RNF41	2.00	0.00	12.04	15.65	16.19	13.02	37.63

RNF44	-1.10	0.58	30.96	28.69	25.33	31.82	23.86
RNF5	-1.18	0.34	24.54	28.27	19.19	23.33	16.79
RNF6	-1.16	0.44	17.77	15.10	15.27	12.34	13.64
RNF7	-1.25	0.17	18.92	15.65	21.02	20.61	15.28
RNF8	1.41	0.01	22.93	21.00	23.89	23.10	30.18
RNFT1	1.23	0.13	62.73	56.41	53.65	58.09	75.63
RNFT2	-1.38	0.28	3.33	2.20	2.87	3.06	2.15
RNGTT	-1.16	0.40	13.99	14.41	16.06	18.57	12.63
RNH1	1.01	0.94	32.80	41.04	36.68	32.16	35.23
RNLS	-1.23	0.39	8.60	5.76	7.05	9.51	7.58
RNMT	1.14	0.49	15.02	17.84	18.02	17.89	16.67
RNMTL1	1.34	0.32	5.85	8.78	8.49	8.38	16.67
RNPC3	-1.09	0.66	39.22	25.53	41.25	38.50	23.74
RNPEP	-1.02	0.99	4.82	4.67	5.48	2.26	3.28
RNPS1	1.11	0.52	67.31	71.24	67.75	67.15	77.91
ROBO1	1.45	0.02	141.97	101.16	97.52	159.11	198.24
ROBO2	1.02	0.62	8.26	6.31	3.00	20.84	7.32
ROBO4	1.34	0.45	0.23	1.78	5.48	1.13	1.26
ROCK1	-1.01	0.96	69.72	68.22	68.93	62.28	65.66
ROCK2	-1.13	0.45	84.97	88.26	104.70	85.73	83.21
ROGDI	-1.19	0.37	15.02	14.14	15.14	21.63	13.76
ROM1	1.60	0.00	23.05	25.12	14.75	25.03	31.82
ROMO1	-1.40	0.05	12.84	17.29	16.19	13.82	9.98
ROR1	-1.53	0.00	25.69	28.55	22.72	30.12	19.57
ROR2	-1.25	0.20	61.81	83.18	56.13	58.89	51.52
RORA	1.50	0.03	7.80	7.00	9.40	7.59	14.52
RORC	-1.11	0.71	7.34	7.27	4.83	8.04	6.94
RP2	-1.01	0.95	6.19	4.67	3.26	8.49	4.29
RP9	-1.26	0.47	2.98	3.84	2.09	3.17	2.15
RPA1	-1.11	0.51	63.42	76.73	68.54	79.04	51.90
RPA2	-1.50	0.01	16.63	15.65	15.01	18.91	8.33
RPA3	-2.31	0.00	65.82	84.69	58.22	52.54	23.23
RPAIN	-1.30	0.46	1.49	1.92	2.09	2.49	1.39
RPAP1	1.06	0.77	21.21	20.18	22.32	24.12	19.45
RPAP2	-1.05	0.80	12.61	10.29	11.36	13.25	10.99
RPAP3	-1.08	0.68	14.79	16.88	17.36	19.14	16.54
RPE	-1.01	0.94	35.09	34.45	43.60	32.50	29.42
RPF1	1.25	0.24	11.93	11.53	8.62	13.48	13.26
RPF2	1.42	0.10	4.93	3.43	4.57	5.10	6.57
RPGR	1.41	0.38	1.15	0.96	1.17	1.36	1.14
RPGRIP1L	-1.30	0.12	20.99	15.10	15.40	17.21	13.26
RPH3AL	6.36	0.00	0.11	0.14	0.13	0.34	1.89
RPIA	1.45	0.13	2.18	3.02	3.26	3.28	3.91
RPL10	1.31	0.08	256.30	361.53	299.99	255.02	411.25
RPL10A	1.47	0.01	89.68	113.65	96.47	92.41	161.24
RPL11	1.48	0.01	414.32	596.93	486.02	426.25	820.49
RPL12	1.11	0.83	25.46	39.26	0.13	53.11	0.13

RPL13	1.57	0.00	295.40	448.42	403.91	342.79	657.86
RPL13A	1.49	0.01	522.80	718.40	691.37	581.05	1076.43
RPL14	1.49	0.01	431.18	641.81	574.79	476.87	879.08
RPL15	1.38	0.04	24.54	46.94	32.64	31.93	50.76
RPL18	1.36	0.06	308.13	496.46	402.73	373.93	597.25
RPL18A	1.33	0.06	177.63	234.16	200.39	192.63	311.12
RPL19_2	1.49	0.02	293.11	521.99	429.89	337.35	691.06
RPL21	1.23	0.23	135.66	199.16	198.56	139.29	235.99
RPL22	1.28	0.12	120.75	161.96	154.96	132.83	215.67
RPL22L1	1.04	0.80	26.72	40.08	46.34	36.24	39.90
RPL23	1.56	0.00	372.12	619.03	510.30	457.39	871.50
RPL24	1.47	0.01	260.54	392.14	357.57	300.55	574.39
RPL26	1.37	0.03	40.25	54.35	50.00	31.71	57.83
RPL26L1	-1.07	0.77	15.48	24.71	16.19	19.48	15.91
RPL27	1.27	0.14	152.52	229.36	170.75	148.57	258.98
RPL27A	1.29	0.10	87.84	130.81	100.00	91.73	138.01
RPL28	1.21	0.28	127.75	191.34	143.99	114.38	213.52
RPL29	1.32	0.08	214.56	357.97	289.29	246.98	420.35
RPL3	1.46	0.01	307.21	372.93	405.61	310.51	571.49
RPL30	1.27	0.14	162.61	200.81	197.78	167.26	271.22
RPL31	1.25	0.19	252.05	434.28	319.84	312.32	462.77
RPL32	1.31	0.10	254.58	334.36	299.34	224.11	436.13
RPL34	1.50	0.00	101.03	142.34	123.76	107.47	189.78
RPL35	1.25	0.17	72.13	124.22	100.13	82.89	132.58
RPL35A	1.23	0.60	27.64	17.98	12.14	13.36	39.77
RPL36	1.30	0.06	36.35	57.65	43.73	42.13	63.51
RPL36A_2	-1.02	0.96	2.64	2.20	1.44	1.36	2.53
RPL36AL	1.27	0.13	56.76	77.41	65.80	63.08	98.99
RPL37	1.27	0.20	58.94	72.47	53.78	57.41	98.36
RPL37A	1.26	0.15	307.67	452.67	372.06	334.29	533.10
RPL38	1.30	0.07	42.66	60.53	49.61	48.92	74.88
RPL39	1.38	0.04	68.92	112.41	97.26	79.84	130.94
RPL4	1.43	0.02	554.57	823.40	773.09	617.97	1053.83
RPL5	1.42	0.02	126.26	181.59	185.90	159.22	233.72
RPL7	1.37	0.10	6.77	10.16	15.93	11.21	17.68
RPL7A	1.44	0.02	377.62	553.14	493.86	387.86	767.08
RPL7L1	1.06	0.75	52.29	62.18	60.44	58.66	60.23
RPL8	1.34	0.07	305.84	484.52	380.54	336.22	586.89
RPL9	1.53	0.01	12.96	16.61	14.10	13.70	27.53
RPLP0	1.52	0.01	866.83	1300.37	1034.19	888.05	1826.59
RPLP1	1.36	0.04	386.22	545.59	446.47	478.57	672.38
RPLP2	1.29	0.18	138.18	246.10	164.75	140.53	280.95
RPN1	-1.15	0.41	242.42	279.45	257.83	219.92	220.46
RPN2	-1.61	0.00	413.17	445.40	488.63	291.26	268.57
PPP14	-1.33	0.05	33.14	28.55	38.25	29.90	22.48
PPP21	-1.03	0.95	3.21	2.47	2.22	2.49	2.65
PPP25L	-1.00	0.95	15.60	17.57	17.36	17.55	13.38

RPP30	1.24	0.25	5.96	9.33	9.53	8.49	10.10
RPP38	1.23	0.35	5.28	4.39	5.74	6.79	6.69
RPP40	-1.21	0.45	5.28	4.53	4.70	4.08	4.04
RPRD1A	-1.46	0.02	30.62	21.27	34.86	27.86	16.54
RPRD1B	-1.09	0.58	51.03	49.14	49.09	49.03	42.30
RPRD2	1.14	0.37	59.17	60.12	49.87	59.91	70.20
RPS10	1.39	0.04	310.08	449.38	369.84	313.68	603.06
RPS11	1.19	0.33	486.45	762.60	586.28	501.78	775.92
RPS12	1.77	0.00	435.53	594.18	473.10	380.38	1016.71
RPS13	1.31	0.08	48.05	55.18	46.60	40.65	75.63
RPS14	1.42	0.03	194.83	335.87	248.43	235.77	416.68
RPS15	1.27	0.15	202.63	315.42	265.40	214.37	382.34
RPS16	1.32	0.09	137.49	196.14	158.48	124.00	232.59
RPS17	1.37	0.05	294.37	434.69	371.40	301.45	575.53
RPS18	1.47	0.02	365.81	503.05	423.88	338.26	723.26
RPS19	1.31	0.10	87.15	107.88	81.85	78.25	142.05
RPS19BP1	-1.03	0.97	7.68	14.55	9.53	12.23	10.61
RPS2	1.20	0.27	924.62	1315.88	1143.71	904.93	1476.32
RPS20	1.73	0.00	230.15	359.34	269.97	226.37	586.01
RPS21	1.36	0.06	103.90	161.96	133.94	114.60	202.79
RPS23	1.38	0.27	66.51	137.67	44.91	70.21	122.86
RPS24	1.31	0.09	497.80	791.97	639.28	551.27	879.46
RPS25	1.34	0.06	66.86	111.45	90.47	77.23	120.21
RPS26	1.34	0.30	121.90	155.51	67.49	99.54	194.20
RPS27_1	1.65	0.00	106.30	144.12	122.84	103.16	234.23
RPS27A	1.33	0.08	357.10	550.54	468.14	410.85	640.05
RPS28	1.45	0.02	87.04	136.02	107.31	84.03	184.48
RPS29	1.25	0.21	201.71	274.92	228.06	191.27	348.12
RPS3	1.51	0.01	543.67	866.78	716.44	633.59	1152.70
RPS3A	1.43	0.01	303.66	362.63	396.73	330.90	565.81
RPS4X	1.54	0.00	108.71	160.59	136.16	125.02	215.16
RPS4Y1	1.36	0.03	21.21	21.27	20.10	19.25	30.43
RPS5	1.52	0.01	235.89	402.02	261.22	255.02	508.73
RPS6	1.35	0.06	64.10	109.26	92.82	74.74	114.15
RPS6KA1	4.57	0.00	7.57	7.96	6.79	8.49	44.19
RPS6KA2	2.37	0.00	16.28	17.02	11.10	19.48	41.16
RPS6KA3	2.28	0.00	23.51	36.92	19.45	32.73	82.96
RPS6KA4	-1.11	0.56	14.91	16.33	15.27	12.68	14.27
RPS6KA5	1.63	0.17	14.22	9.88	18.54	12.80	40.91
RPS6KA6	1.07	0.79	43.81	33.22	38.64	51.30	43.06
RPS6KB1	-1.01	0.92	42.66	44.47	40.60	38.62	49.12
RPS6KB2	-1.05	0.81	12.73	12.63	10.57	12.68	12.50
RPS6KC1	1.23	0.20	16.97	20.18	20.37	23.67	27.15
RPS6KL1	1.35	0.20	6.65	7.41	6.53	11.66	7.70
RPS7	1.32	0.08	584.73	845.91	655.34	628.61	993.48
RPS8	1.32	0.09	677.84	1165.17	915.52	816.94	1231.11
RPS9	1.60	0.00	160.66	225.92	204.70	172.58	390.04

RPSA	1.11	0.58	1145.83	1618.94	1419.95	965.96	1701.71
RPTOR	-1.22	0.22	20.99	21.41	17.10	22.20	18.44
RPUSD1	-1.08	0.84	4.36	3.16	2.74	2.94	2.90
RPUSD2	1.05	0.93	3.10	2.75	4.18	3.17	3.91
RPUSD3	1.05	0.85	24.77	19.22	24.15	24.12	19.32
RPUSD4	1.44	0.08	3.90	4.67	7.96	4.87	8.46
RQCD1	-1.42	0.01	73.74	77.28	77.28	63.76	52.78
RRAGA	-1.27	0.14	16.40	21.55	19.71	21.40	14.39
RRAGB	1.83	0.00	6.65	4.53	5.61	6.57	13.13
RRAGC	1.31	0.11	9.40	7.69	7.70	7.25	10.86
RRAGD	-1.50	0.02	16.63	14.41	14.62	11.10	10.99
RRAS	2.31	0.00	19.72	30.20	24.41	21.29	66.67
RRAS2	-1.27	0.30	8.83	5.63	8.22	6.91	7.45
RRBP1	-1.44	0.02	993.54	1257.68	1034.45	989.06	568.84
RREB1	1.26	0.11	60.09	49.69	59.27	58.55	77.15
RRM1	-2.13	0.00	109.63	100.88	118.14	106.90	40.78
RRM2	-4.60	0.00	174.31	162.10	154.70	143.37	13.76
RRM2B	1.84	0.00	4.47	4.53	6.79	4.08	6.44
RRN3	1.17	0.35	58.94	54.22	62.14	52.09	58.97
RRNAD1	1.15	0.50	7.80	6.04	7.57	7.13	8.21
RRP1	1.18	0.34	11.01	12.49	10.70	8.95	12.63
RRP12	2.37	0.00	13.76	16.61	18.15	19.93	47.73
RRP15	-1.03	0.94	4.70	7.96	5.09	6.12	6.44
RRP1B	1.19	0.37	19.61	16.75	16.19	17.89	26.26
RRP36	1.48	0.01	10.78	11.80	9.27	10.42	13.64
RRP7A	1.77	0.06	1.61	1.78	0.91	1.13	2.65
RRP8	-1.01	0.98	5.39	3.98	4.96	5.10	4.55
RRP9	2.10	0.00	4.13	5.76	3.92	4.42	11.87
RRS1	1.26	0.29	7.11	10.98	7.83	6.68	12.37
RSAD1	1.62	0.02	6.31	4.25	5.22	6.68	7.58
RSAD2	1.89	0.10	1.26	0.69	1.17	1.25	3.16
RSBN1	1.19	0.30	11.81	14.69	16.58	14.61	15.91
RSBN1L	-1.19	0.24	37.73	33.22	39.95	38.39	31.19
RSF1	-1.26	0.09	79.58	80.30	74.67	78.93	58.34
RSG1	1.52	0.00	19.84	24.29	16.84	25.93	33.21
RSL1D1	1.24	0.15	17.89	21.96	23.11	18.69	27.53
RSL24D1	1.42	0.02	18.69	18.53	19.32	20.61	33.33
RSPH10B	1.10	0.76	3.67	3.57	3.92	4.98	5.05
RSPH3	1.10	0.70	6.54	5.35	4.31	6.23	5.56
RSPH9	1.30	0.54	1.26	0.69	1.04	0.68	1.39
RSPO3_1	-3.30	0.00	8.94	7.00	14.88	2.72	1.14
RSPO3_2	-2.47	0.05	4.36	1.92	5.87	1.47	0.76
RSPRY1	1.43	0.02	20.76	24.29	23.50	23.21	31.19
RSRC1	-1.22	0.30	8.37	9.33	9.40	8.04	7.20
RSRC2	-1.11	0.52	70.52	76.86	84.20	64.32	61.74
RSRP1	-1.41	0.08	53.44	56.14	78.85	44.16	22.48
RSU1	-1.33	0.06	39.68	52.57	48.56	40.20	28.28

RTCA	-1.11	0.58	15.02	20.45	15.67	20.16	19.32
RTCB	-1.08	0.61	44.38	45.57	47.26	45.41	40.15
RTEL1	-1.11	0.61	15.37	11.39	11.62	14.83	8.97
RTF1	-1.11	0.51	45.41	49.55	40.08	41.79	44.45
RTFDC1	1.33	0.07	23.05	28.55	25.46	20.16	38.13
RTKN	-1.61	0.00	117.66	121.06	92.03	123.77	71.09
RTL1	-1.58	0.12	5.96	4.39	3.79	4.87	3.28
RTN2	1.50	0.16	2.29	2.47	2.22	2.94	4.67
RTN3	-1.19	0.32	27.52	29.92	22.06	25.25	20.96
RTN4	1.03	0.88	94.84	109.67	100.13	121.28	106.07
RTN4IP1	-1.16	0.47	10.44	9.06	10.70	11.55	6.69
RTN4R	-1.41	0.67	2.06	0.82	0.52	3.06	1.89
RTN4RL1	-1.82	0.00	32.45	20.86	19.19	25.37	9.85
RTP4	-2.06	0.03	2.64	1.37	2.22	2.04	1.52
RTTN	-1.56	0.00	25.00	18.67	19.06	19.36	12.50
RUBCN	1.07	0.88	6.65	4.94	6.27	5.89	6.82
RUFY1	1.16	0.45	23.05	15.24	16.58	22.76	27.02
RUFY2	1.09	0.65	20.07	22.78	25.06	22.76	25.88
RUFY3	-1.03	0.89	8.49	8.24	8.62	9.17	8.59
RUFY4	10.26	0.00	0.92	0.27	0.52	1.13	6.69
RUND C1	2.33	0.00	2.75	2.88	1.83	2.72	6.69
RUND C3A	5.73	0.00	0.11	0.41	0.00	0.34	1.39
RUNX1	8.44	0.00	14.79	10.02	12.79	8.61	106.95
RUNX2	1.13	0.40	44.38	44.75	57.96	50.39	51.26
RUSC1	-1.35	0.08	84.52	85.37	78.72	65.91	44.19
RUSC2	-1.17	0.36	54.13	36.10	49.35	41.22	45.33
RUVBL1	-1.11	0.60	22.13	32.26	26.37	22.88	22.73
RUVBL2	-1.05	0.87	13.53	21.96	15.93	13.93	14.39
RWDD1	1.07	0.69	23.97	30.20	32.51	25.03	31.31
RWDD2A	-1.33	0.20	8.14	5.35	7.70	6.91	6.19
RWDD2B	1.34	0.12	9.98	11.53	12.14	8.61	14.65
RWDD3	-1.03	0.90	2.18	2.33	1.83	1.81	2.27
RWDD4	-1.22	0.23	54.01	41.45	62.66	61.38	40.03
RXRA	-1.11	0.53	149.42	141.79	142.43	173.83	117.56
RXRB	1.14	0.38	22.25	20.86	20.63	20.72	24.12
RYBP	1.20	0.31	112.73	127.51	128.33	135.78	126.14
RYK	-1.23	0.17	84.29	100.88	94.78	86.63	74.37
RYR1	-1.41	0.17	11.81	7.41	6.53	10.87	4.55
RYR3	-1.33	0.24	32.68	15.37	32.90	27.52	30.05
S100A1	1.71	0.01	366.50	591.58	294.90	386.16	731.97
S100A10	-1.13	0.50	97.01	125.59	96.87	96.60	103.92
S100A11	1.50	0.00	40.02	42.00	35.12	33.52	63.39
S100A12	657.06	0.00	0.23	0.14	0.00	0.11	221.73
S100A13	2.61	0.00	7.91	10.98	5.35	8.83	21.47
S100A14	7.71	0.00	30.39	28.55	26.89	40.31	300.39
S100A16	3.01	0.00	20.07	21.41	16.97	17.44	69.07
S100A2	85.43	0.00	2.98	4.25	1.04	5.10	441.31

S100A4	6.29	0.00	20.87	17.43	7.83	22.20	116.29
S100A8	792.71	0.00	0.46	0.27	0.00	0.11	377.29
S100A9	212.40	0.00	3.21	7.82	4.57	1.36	1835.56
S100B	-1.18	0.40	522.46	566.87	617.61	394.31	437.52
S100PBP	-1.31	0.06	77.18	77.28	65.14	63.42	57.83
S1PR1	2.95	0.00	0.46	1.10	3.00	0.91	3.16
S1PR2	-1.43	0.02	61.69	65.33	52.48	49.49	32.83
S1PR3	2.67	0.10	3.67	5.22	5.09	2.83	2.65
SAA2	963.14	0.00	0.00	0.00	0.00	0.00	31.31
SAA3	556.74	0.00	16.97	46.53	17.49	7.13	19099.15
SAAL1	-1.52	0.02	14.79	9.61	14.62	12.46	7.83
SAC3D1	1.12	0.73	1.61	1.65	3.26	2.15	2.40
SACM1L	-1.22	0.15	54.70	45.02	52.74	47.90	38.01
SACS	-1.98	0.00	87.38	70.00	69.97	71.57	35.61
SAE1	-1.72	0.00	108.83	133.83	109.40	102.37	70.20
SAFB	-1.03	0.91	289.32	182.83	240.86	248.80	230.31
SAFB2	-1.06	0.72	67.77	74.12	76.50	63.87	59.09
SALL1	-1.29	0.46	4.36	3.16	7.31	4.08	2.78
SALL2	-1.69	0.12	2.98	1.78	3.79	2.26	1.64
SAMD11	-1.19	0.58	4.82	8.78	6.14	12.12	3.03
SAMD14	-1.09	0.80	0.57	0.82	0.91	1.70	1.26
SAMD15	1.19	0.81	1.15	1.10	1.57	1.02	1.64
SAMD4A	1.56	0.00	110.89	88.53	117.36	112.11	174.50
SAMD4B	-1.01	0.94	6.77	8.78	4.05	8.95	7.07
SAMD8	-1.02	0.90	14.68	15.24	17.36	17.10	14.02
SAMD9	2.06	0.01	1.83	1.65	0.91	4.53	4.55
SAMHD1	1.42	0.19	3.78	2.20	1.70	3.17	4.04
SAMM50	1.17	0.32	17.09	18.39	19.97	19.70	22.98
SAP130	-1.18	0.50	37.61	28.27	20.37	19.59	29.29
SAP18	-1.08	0.66	53.32	64.79	53.00	60.02	54.93
SAP30	-1.40	0.06	12.27	13.18	13.71	10.42	6.44
SAP30BP	-1.11	0.53	26.38	22.78	23.24	22.65	27.02
SAP30L	1.37	0.05	10.44	10.57	12.14	9.29	13.38
SAPCD1	-1.52	0.30	4.13	1.65	2.87	1.59	2.53
SAPCD2	-3.00	0.00	24.43	30.20	22.32	17.44	6.57
SAR1A	-1.54	0.00	68.69	74.80	86.94	66.59	45.33
SAR1B	-1.34	0.19	5.85	8.10	9.27	7.59	3.91
SARAF	1.83	0.00	34.17	39.67	35.25	40.31	79.93
SARDH	-1.27	0.23	16.17	20.31	13.05	14.16	12.50
SARM1	-1.71	0.00	14.56	10.02	14.10	10.31	8.21
SARNP	-1.21	0.25	20.76	29.10	24.80	24.69	20.33
SARS	1.29	0.21	124.08	148.10	127.41	86.63	198.24
SARS2	1.12	0.56	7.57	10.29	9.01	9.06	9.34
SART1	-1.17	0.30	40.25	50.65	39.95	41.11	39.52
SART3_1	-1.03	0.87	39.68	44.20	41.12	34.88	40.41
SART3_2	-1.07	0.78	15.25	10.16	13.32	11.89	11.11
SASH1	1.65	0.00	180.15	155.92	130.02	172.58	294.71

SASS6	-1.31	0.15	12.16	14.82	11.88	13.14	6.94
SAT1	5.61	0.00	20.53	17.57	23.76	23.21	206.45
SATB1	-4.94	0.00	30.73	21.00	38.77	25.59	6.06
SAV1	1.37	0.02	44.04	45.84	39.69	47.34	57.58
SAYSD1	-1.36	0.13	9.86	11.94	7.83	9.17	6.19
SBDS	1.72	0.00	62.27	60.39	74.15	60.47	116.42
SBF1	1.20	0.26	81.42	76.45	64.10	74.29	95.71
SBF2	1.44	0.01	46.56	37.06	38.12	45.07	63.39
SBK1	1.14	0.89	0.80	0.69	0.65	1.13	1.39
SBK2	-1.50	0.34	0.57	1.37	0.78	1.70	0.13
SBNO1	-1.00	0.98	110.78	112.14	113.05	118.34	112.38
SBNO2	4.94	0.00	33.37	37.47	37.60	35.22	197.23
SBSN	3.12	0.01	0.69	0.14	0.65	0.45	2.02
SBSPON	29.04	0.00	1.03	0.41	0.39	0.79	18.81
SC5D	-1.10	0.56	51.49	55.73	52.09	43.60	44.07
SCAF1	-1.24	0.10	49.20	59.02	54.57	53.45	45.46
SCAF11	1.03	0.88	117.89	118.59	111.36	120.49	131.07
SCAF4	-1.13	0.47	35.21	27.45	28.33	31.59	27.65
SCAF8	1.11	0.52	65.02	61.63	59.40	66.81	69.57
SCAI	-1.71	0.09	3.21	5.22	2.22	3.06	2.02
SCAMP1	1.32	0.14	9.86	8.24	6.92	11.21	11.36
SCAMP2	1.10	0.60	83.48	80.02	84.33	84.93	104.04
SCAMP3	1.18	0.26	32.57	40.63	36.81	35.67	44.83
SCAMP4	-1.13	0.40	47.13	49.55	45.43	43.15	40.28
SCAND1	-1.34	0.03	32.22	36.65	33.42	31.71	22.98
SCAP	1.23	0.13	32.45	37.06	38.12	35.90	45.33
SCAPER	-1.69	0.00	32.68	36.37	30.68	29.10	17.55
SCARA3	2.00	0.00	176.37	216.04	127.54	350.37	306.96
SCARA5	11.22	0.00	0.57	0.00	0.26	0.68	2.65
SCARB1	-2.00	0.00	310.31	209.04	259.13	307.23	93.69
SCARB2	1.95	0.00	107.11	91.28	110.31	114.38	224.76
SCARF1	4.04	0.00	1.83	0.96	2.87	2.49	9.72
SCARF2	-1.55	0.00	279.69	276.30	301.04	261.93	150.13
SCCPDH	1.09	0.63	12.38	11.26	15.27	10.42	13.38
SCD	-1.50	0.01	785.86	781.26	999.85	689.20	511.51
SCD5	1.44	0.02	46.90	50.65	46.87	37.71	66.16
SCFD1	-1.46	0.00	69.49	72.75	76.11	70.21	38.51
SCFD2	1.10	0.60	18.46	17.84	13.32	14.72	14.77
SCG5	-2.23	0.00	31.65	25.26	43.86	39.18	15.66
SCHIP1	1.81	0.01	6.08	7.69	7.96	5.89	17.30
SCIN	-2.62	0.00	111.01	169.37	125.98	127.06	37.88
SCLT1	-1.80	0.01	8.60	5.63	8.35	6.00	5.43
SCLY	1.54	0.12	3.10	2.06	2.48	3.06	5.68
SCMH1	-1.29	0.08	23.97	25.12	21.80	21.06	19.07
SCML1	-2.70	0.00	22.82	24.98	21.41	23.21	6.94
SCML2	-2.63	0.00	21.67	21.00	18.02	19.14	5.05
SCN11A	1.20	0.90	2.41	0.27	1.44	1.59	2.02

SCN1B	3.94	0.00	0.80	1.92	1.17	2.49	7.32
SCN2A	-2.44	0.00	11.93	9.33	15.93	9.17	2.65
SCN4B	15.92	0.00	0.57	0.00	0.00	0.00	3.03
SCN9A	1.62	0.20	4.24	0.82	3.66	0.23	4.67
SCNM1	1.03	0.91	7.11	8.24	6.27	7.02	7.07
SCNN1A	2.29	0.05	1.15	0.55	1.31	0.91	1.01
SCNN1D	3.49	0.00	7.34	3.98	5.09	4.64	29.80
SCO1	1.17	0.31	27.18	23.88	21.41	22.65	30.94
SCO2	-1.25	0.25	10.09	9.61	12.01	9.63	6.06
SCOC	-1.61	0.00	34.29	49.82	51.57	33.97	24.75
SCP2	1.16	0.30	61.92	64.10	64.23	56.96	76.52
SCPEP1	-1.18	0.29	76.26	73.30	80.81	67.04	51.52
SCRG1	-2.29	0.00	697.57	1133.88	837.71	747.52	321.48
SCRIB	-1.50	0.00	84.06	74.12	86.55	69.19	44.19
SCRN1	-4.44	0.00	4.24	5.08	3.92	2.26	1.39
SCRN2	-1.36	0.43	2.52	1.51	2.74	1.47	0.88
SCRN3	1.22	0.34	5.50	10.29	12.92	11.78	10.86
SCUBE1	1.47	0.05	226.60	327.91	318.40	443.46	331.07
SCUBE2	2.10	0.00	220.18	246.79	230.54	204.06	541.56
SCUBE3	-1.58	0.07	258.48	459.54	268.14	560.67	314.66
SCYL1	-1.11	0.52	79.81	81.26	86.03	76.10	68.18
SCYL2	1.36	0.01	31.54	33.90	36.16	34.65	46.47
SCYL3	1.18	0.32	21.67	17.29	19.97	19.59	26.52
SDAD1	1.51	0.01	10.21	12.76	13.32	12.80	17.93
SDC1	1.90	0.00	98.05	149.47	83.68	124.23	211.88
SDC2	1.02	0.95	67.89	105.28	90.60	84.59	80.18
SDC3	-2.03	0.00	152.40	205.06	138.25	180.28	67.17
SDC4	4.20	0.00	230.15	304.44	246.86	252.53	1480.87
SDCBP	1.75	0.00	38.76	48.59	41.51	47.00	83.46
SDCBP2	-2.27	0.14	1.95	2.33	5.35	0.68	0.13
SDCCAG3	1.04	0.87	26.38	27.04	26.11	26.27	31.19
SDCCAG8	-1.25	0.42	4.70	6.45	3.79	4.64	4.29
SDE2	1.11	0.69	9.40	7.00	8.35	9.17	10.35
SDF2	1.13	0.47	21.90	28.55	24.80	23.21	33.46
SDF4	-1.06	0.77	90.13	124.90	107.83	94.67	108.46
SDHA	-1.05	0.80	86.58	83.18	72.84	75.65	79.17
SDHAF1	-1.02	0.97	5.39	8.24	7.70	7.93	5.93
SDHAF2	-1.10	0.56	22.02	27.18	23.37	21.97	21.09
SDHAF3	-1.14	0.66	2.87	4.39	3.39	3.74	3.54
SDHAF4	-1.23	0.48	4.70	5.35	3.13	3.96	4.04
SDHB	-1.03	0.89	31.65	41.04	40.60	35.45	37.38
SDHC	1.10	0.71	4.93	6.45	6.40	5.55	4.92
SDHD	1.30	0.04	34.75	40.49	40.21	38.39	49.12
SDK1	5.99	0.00	4.24	3.29	3.52	4.64	34.60
SDK2	3.99	0.00	105.96	138.63	99.35	245.74	554.95
SDR39U1	-1.10	0.65	9.06	10.02	9.27	12.57	5.30
SDR42E1	-1.20	0.47	5.85	4.80	4.70	4.42	5.68

SEC11A	1.49	0.01	32.45	54.77	38.38	42.35	69.57
SEC11C	-1.14	0.49	46.67	38.98	41.38	28.54	46.09
SEC13	-1.47	0.01	86.58	114.33	96.47	86.86	64.65
SEC14L1	1.11	0.53	28.44	35.14	31.07	30.80	39.14
SEC14L2	-1.27	0.53	1.26	1.37	1.70	2.15	1.39
SEC16A	-1.35	0.03	192.42	168.28	201.82	177.57	122.23
SEC16B	-2.89	0.00	41.40	24.57	37.73	21.40	7.83
SEC22A	-1.52	0.07	7.57	6.31	11.75	8.27	4.67
SEC22B	-1.37	0.01	42.54	40.49	41.77	40.43	27.53
SEC22C	-1.25	0.26	7.11	7.96	7.96	6.79	6.44
SEC23A	-1.68	0.00	220.52	236.77	262.40	215.73	121.09
SEC23B	-1.02	1.00	243.22	71.79	76.89	200.10	203.17
SEC23IP	-1.53	0.00	98.62	92.79	106.00	83.57	62.50
SEC24A	-1.51	0.00	165.82	149.06	171.41	167.60	100.00
SEC24B	1.02	0.91	53.78	51.20	55.09	60.59	54.17
SEC24C	-1.29	0.11	216.28	178.16	172.19	163.52	139.78
SEC24D	-1.50	0.00	299.87	293.73	278.98	270.88	165.28
SEC31A	-1.42	0.01	360.65	371.28	387.98	359.77	232.46
SEC31B	-1.17	0.42	14.79	12.08	16.71	14.83	12.12
SEC61A1	-1.23	0.19	154.70	151.26	149.21	118.23	128.16
SEC61A2	-1.48	0.01	60.32	48.45	54.57	71.80	33.21
SEC61B	-1.56	0.00	85.09	122.16	102.61	82.33	65.41
SEC61G	-1.40	0.04	70.07	84.96	92.82	56.96	58.71
SEC62	-1.11	0.55	193.23	235.12	215.92	229.54	198.11
SEC63	1.05	0.81	143.69	144.81	142.16	145.86	154.17
SECISBP2	1.09	0.61	20.07	17.29	17.10	21.06	18.44
SECISBP2L	-1.09	0.70	7.68	10.84	11.49	8.83	10.10
SEH1L	1.04	0.84	64.45	67.80	69.45	55.49	61.62
SEL1L	1.27	0.10	171.55	164.98	173.63	205.65	227.66
SEL1L3	-1.47	0.94	1.26	0.41	4.70	0.11	1.14
SELENBP1	-2.90	0.00	11.93	8.65	10.97	8.27	3.03
SELK	1.27	0.08	27.98	34.18	33.42	34.43	46.09
SELM	-1.16	0.39	28.90	31.84	37.86	26.05	29.42
SELO	1.07	0.70	22.36	23.75	21.67	18.91	26.39
SELT	-1.52	0.03	138.99	144.26	87.60	80.86	63.39
SEMA3A	-1.33	0.14	10.66	9.47	7.96	9.17	1.89
SEMA3B	-3.31	0.00	17.32	13.59	22.19	10.53	3.66
SEMA3C	1.84	0.04	94.03	75.77	36.55	135.21	144.83
SEMA3D	2.23	0.01	8.03	6.86	4.96	16.76	10.10
SEMA3E	1.25	0.59	0.80	1.10	0.00	2.72	0.38
SEMA3F	1.89	0.01	3.67	3.43	3.13	3.40	6.19
SEMA3G	-1.03	0.74	1.15	0.55	1.44	0.79	0.13
SEMA4A	1.02	0.97	1.03	1.37	1.96	2.72	0.88
SEMA4B	32.25	0.00	2.64	1.65	2.61	1.93	145.33
SEMA4C	1.28	0.20	64.22	52.71	45.95	53.00	83.34
SEMA4D	-1.60	0.20	2.52	1.37	2.35	1.70	0.51
SEMA4F	-1.35	0.17	14.56	8.78	16.19	11.21	9.72

SEMA4G	1.26	0.23	8.72	6.59	7.96	11.89	10.35
SEMA5A	-1.57	0.34	1.26	2.33	1.83	0.68	0.63
SEMA6A	2.20	0.00	42.20	30.47	29.50	46.43	88.01
SEMA6B	10.81	0.00	0.46	0.14	0.52	0.34	4.67
SEMA6C	-4.12	0.00	11.35	10.98	18.67	8.83	2.15
SEMA6D	1.59	0.00	101.72	160.86	138.51	137.82	207.33
SEMA7A	-2.43	0.00	14.22	14.41	20.89	9.85	3.41
SENP1	-1.11	0.58	14.68	12.08	13.97	13.48	11.11
SENP2	-1.05	0.84	81.76	60.39	74.54	92.52	68.69
SENP3	-1.30	0.07	41.86	54.49	47.78	39.07	34.85
SENP5	-1.29	0.07	94.15	81.53	93.60	93.77	67.68
SENP6	-1.09	0.62	123.39	113.24	138.64	142.80	115.66
SENP7	1.31	0.07	18.35	16.75	18.28	21.63	26.77
SENP8	1.14	0.70	2.64	3.02	2.09	2.15	3.16
SEPHS1	-1.11	0.51	34.52	42.28	36.81	39.86	32.07
SEPHS2	1.38	0.03	20.18	18.26	23.50	17.67	30.30
SEPN1	2.04	0.00	118.57	144.94	114.36	131.70	352.16
SEPP1	-1.30	0.31	9.63	7.82	8.62	15.51	8.97
SEPSECS	1.34	0.04	22.59	20.45	21.80	27.63	33.08
SEPW1	1.14	0.38	45.53	62.59	59.40	44.96	58.46
SERAC1	-1.04	0.89	4.24	2.75	4.31	2.72	3.41
SERBP1	1.16	0.36	96.90	139.59	135.25	122.98	134.73
SERF1A	-1.95	0.00	12.27	16.20	15.93	9.29	7.20
SERF2	-1.77	0.00	167.65	261.89	197.12	161.71	89.90
SERGEF	-1.00	0.98	6.88	10.16	7.18	6.57	7.58
SERINC1	1.56	0.00	91.40	84.82	96.34	107.13	153.42
SERINC3	1.41	0.02	49.31	58.47	51.30	52.88	71.22
SERINC4	-1.45	0.62	2.52	0.82	0.52	1.02	0.76
SERINC5	-1.72	0.00	122.47	134.24	141.90	151.18	55.18
SERP1	-1.21	0.20	39.91	38.29	42.17	33.29	33.33
SERP2	1.86	0.09	1.72	0.41	0.91	1.59	2.53
SERPINA1	1.95	0.05	95.64	113.24	79.11	128.30	166.17
SERPINA3-1	460.74	0.00	0.00	0.00	0.00	0.00	8.46
SERPINB1	1.49	0.01	22.82	18.12	18.15	15.97	30.81
SERPINB6	-1.09	0.72	77.63	121.88	75.19	84.37	84.35
SERPINB8	2.38	0.00	3.21	2.61	1.31	3.51	5.18
SERPINB9	-1.80	0.07	2.52	3.43	6.66	4.08	2.65
SERPINE1	2.68	0.00	5.62	8.51	11.75	7.93	32.83
SERPINE2	2.81	0.00	220.63	169.65	265.92	131.81	689.17
SERPINF1	-1.02	0.98	2.29	0.96	3.66	1.36	1.14
SERPINF2	146.84	0.00	0.00	0.14	0.13	0.45	41.04
SERPING1	4.40	0.00	111.23	106.24	59.92	68.85	437.77
SERPINH1	-2.25	0.00	1498.34	2040.87	2024.64	1359.71	534.24
SERPINI1	1.10	0.84	0.69	1.10	2.22	0.68	1.52
SERTAD1	2.66	0.00	4.01	4.67	4.44	4.64	13.01
SERTAD2	1.14	0.45	56.65	72.88	75.98	74.51	67.17
SERTAD3	-1.07	0.76	27.18	37.20	27.41	26.27	29.42

SERTAD4	1.02	0.90	119.72	57.65	100.91	88.10	135.49
SERTM1	3.16	0.00	8.49	7.41	2.09	2.60	17.17
SESN1	-1.28	0.13	33.48	28.55	37.08	38.84	21.34
SESN2	1.94	0.00	3.78	2.75	2.87	3.40	6.82
SESN3	1.22	0.52	2886.93	1917.47	1790.05	1767.38	3183.97
SESTD1_1	1.42	0.04	20.53	14.69	15.14	21.29	24.24
SESTD1_2	1.61	0.03	3.55	3.71	4.44	3.96	6.19
SET	-1.10	0.67	17.20	21.69	16.45	13.70	13.89
SETBP1	-1.59	0.02	113.41	63.55	74.54	94.56	42.05
SETD1A	1.18	0.25	41.97	30.06	34.07	39.52	42.43
SETD1B	1.01	0.92	32.22	29.78	25.98	36.80	32.83
SETD2	-1.02	0.95	123.96	100.20	109.92	131.70	111.62
SETD3	-1.11	0.48	50.23	47.77	54.96	57.30	40.53
SETD4	-1.22	0.42	4.59	5.63	5.09	4.76	3.41
SETD5	-1.27	0.12	479.00	492.48	416.05	442.78	330.44
SETD6	1.05	0.78	13.42	9.61	8.09	12.12	10.35
SETD7	2.43	0.00	40.82	39.80	73.37	39.18	133.59
SETD9	-1.03	0.94	2.52	3.02	3.39	2.26	3.03
SETDB1	1.10	0.55	37.61	34.18	31.20	39.30	40.15
SETDB2	-1.10	0.73	21.90	39.67	22.85	25.03	25.00
SETMAR	-1.27	0.15	16.63	15.78	13.19	13.59	12.37
SETX	1.48	0.00	84.63	73.02	74.02	91.27	123.87
SF1	-1.16	0.34	174.99	172.39	171.15	196.14	143.06
SF3A1	1.32	0.05	61.12	69.73	59.14	59.68	81.32
SF3A2	-1.11	0.54	21.21	22.24	18.28	22.08	16.54
SF3A3	-1.03	0.86	45.87	50.78	42.17	43.15	44.95
SF3B1	-1.00	0.98	809.83	552.59	753.25	819.88	605.58
SF3B2	-1.07	0.71	120.64	120.51	110.05	119.36	106.44
SF3B3	-1.08	0.65	119.83	124.63	136.68	118.23	105.43
SF3B4	-1.35	0.05	20.30	21.82	19.19	21.97	14.65
SF3B5	-1.06	0.80	12.38	16.06	10.97	11.78	13.64
SF3B6	-1.00	0.97	6.42	9.61	9.92	6.23	6.94
SFI1	-1.36	0.08	21.79	17.57	21.67	19.70	9.98
SFMBT1	-1.70	0.00	50.92	67.39	36.94	43.26	30.05
SFMBT2	-1.13	0.73	0.92	0.55	1.83	1.59	0.51
SFN	7.72	0.00	0.11	0.14	0.00	0.23	1.14
SFPQ	-1.70	0.00	228.55	224.96	208.87	219.35	107.45
SFR1	-1.23	0.23	22.71	30.06	32.51	24.01	18.06
SFRP1	-2.52	0.00	532.09	771.93	448.03	716.38	116.29
SFRP2	1.62	0.07	41.51	41.86	30.03	47.45	41.29
SFRP4	53.42	0.00	0.11	0.14	0.00	0.23	5.43
SFRP5	2.05	0.00	24.66	9.47	13.45	25.82	40.15
SFSWAP	-1.10	0.54	40.94	39.26	36.81	45.86	37.25
SFT2D1	1.26	0.17	9.63	11.94	13.45	12.57	15.28
SFT2D2	-1.02	0.94	27.06	25.26	22.06	29.44	24.12
SFT2D3	1.05	0.87	16.17	14.00	17.23	19.59	16.16
SFTPA1	-4.46	0.00	0.92	3.57	1.44	4.76	1.01

SFXN1	-1.93	0.00	29.47	24.29	26.50	24.23	11.49
SFXN2	-1.63	0.00	35.78	26.49	33.94	25.03	14.02
SFXN3	1.34	0.05	48.05	52.84	48.43	68.06	69.57
SFXN4	1.32	0.21	3.90	4.80	4.70	3.62	5.30
SFXN5	1.04	0.95	2.29	1.24	1.57	1.36	1.26
SGCA	-15.58	0.00	1.38	1.65	0.91	2.15	0.00
SGCB	-1.48	0.04	34.17	16.88	22.45	29.33	16.54
SGCD	-1.46	0.02	17.66	16.47	14.36	14.04	9.85
SGCE	-2.28	0.00	314.78	403.95	356.78	358.64	133.84
SGCG	-87.44	0.00	3.78	1.10	2.74	0.45	0.00
SGF29	1.32	0.25	2.87	3.84	3.13	3.17	4.04
SGK1	14.04	0.00	12.84	19.22	14.62	24.01	367.44
SGK3	1.51	0.00	73.74	82.49	84.20	80.63	120.21
SGMS1	-1.10	0.58	26.38	24.71	34.20	28.76	25.13
SGMS2	-1.08	0.91	10.78	15.51	19.97	8.27	12.63
SGOL1	-2.68	0.00	19.15	23.33	20.76	15.63	4.67
SGOL2	-1.63	0.07	88.99	92.65	101.70	214.03	41.67
SGPL1	-1.08	0.77	21.44	17.57	13.71	23.55	20.08
SGPP1	1.03	0.91	23.28	20.04	25.20	21.86	23.86
SGSH	1.78	0.00	7.00	8.78	5.61	8.04	12.88
SGSM1	2.16	0.05	1.49	0.82	2.22	1.93	3.54
SGSM2	1.00	0.80	39.91	18.67	15.53	49.03	28.79
SGSM3	1.01	0.96	15.02	13.45	13.45	12.46	15.40
SGTA	-1.11	0.52	44.49	51.61	42.69	41.11	39.40
SGTB	-2.22	0.01	3.55	3.71	5.48	2.83	2.15
SH2B1	1.04	0.82	32.22	40.49	32.38	33.29	32.58
SH2B2	7.31	0.00	3.55	5.08	2.74	4.42	28.41
SH2B3	1.02	0.92	2.41	2.06	0.65	1.93	1.52
SH2D3C	-3.49	0.00	79.35	107.20	64.10	60.81	10.73
SH2D4A	4.70	0.00	1.03	2.20	1.44	2.15	10.73
SH2D5	-1.85	0.19	1.49	0.69	1.04	1.81	0.00
SH2D7	1.80	0.17	0.69	0.96	0.39	1.02	1.39
SH3BGRL	1.41	0.01	41.40	52.57	54.31	43.03	69.45
SH3BGRL3	1.57	0.01	122.24	210.41	117.49	175.30	257.33
SH3BP1	1.65	0.00	9.63	7.69	7.05	8.83	13.38
SH3BP2	1.47	0.02	8.49	11.53	9.79	8.83	13.51
SH3BP4	-2.43	0.00	10.44	8.51	9.53	5.66	3.91
SH3BP5	-1.12	0.69	16.74	14.82	8.75	13.59	10.23
SH3BP5L	-1.08	0.63	35.21	35.55	33.81	33.75	29.42
SH3D19	1.23	0.18	43.12	26.90	43.34	43.03	49.37
SH3D21	1.89	0.16	0.34	0.55	0.78	0.91	0.51
SH3GL1	-1.01	1.00	82.11	61.35	83.94	75.99	68.94
SH3GLB1	1.20	0.28	27.98	34.31	29.63	26.84	38.64
SH3GLB2	1.10	0.56	32.80	28.82	26.89	27.52	33.97
SH3KBP1	1.14	0.49	84.29	113.79	70.76	97.84	95.58
SH3PXD2A	1.09	0.63	568.56	520.48	389.68	543.00	497.75
SH3PXD2B	3.46	0.00	63.99	51.75	62.92	53.22	212.38

SH3RF1	-1.27	0.11	36.70	36.78	28.98	32.73	26.52
SH3RF3	1.38	0.11	5.50	6.04	4.83	9.63	9.34
SH3TC1	1.71	0.12	2.64	1.78	1.96	1.93	4.80
SH3TC2	-1.93	0.00	107.34	45.98	87.60	72.25	44.57
SH3YL1_1	-1.03	0.94	17.09	15.51	10.31	17.89	13.13
SH3YL1_2	1.09	0.80	3.10	1.65	2.35	2.15	2.40
SHANK2	-3.15	0.01	9.40	2.88	2.09	8.49	3.54
SHANK3	1.50	0.07	8.49	10.02	8.75	17.10	10.23
SHARPIN	-1.27	0.26	11.12	17.16	12.66	10.87	7.70
SHB	-1.26	0.47	3.33	7.27	6.14	4.87	2.78
SHC1	1.50	0.00	100.80	77.28	93.21	94.22	149.50
SHC2	-1.29	0.71	0.92	1.51	0.52	2.38	1.14
SHC4	1.23	0.47	1.38	2.20	3.66	0.79	2.02
SHCBP1	-3.54	0.00	45.64	44.88	42.43	33.52	7.45
SHF	1.02	0.94	4.82	2.06	4.18	3.96	4.67
SHFM1	1.01	0.94	2.98	8.24	5.74	4.98	7.45
SHISA2	-1.55	0.01	233.48	249.26	289.55	245.51	111.37
SHISA4	-1.35	0.06	70.98	95.94	59.01	79.50	57.33
SHISA5	1.87	0.00	19.84	25.94	19.32	26.95	40.78
SHISA7	-1.13	0.70	8.94	4.39	6.79	6.34	7.45
SHKBP1	1.68	0.00	12.96	14.41	11.75	12.46	22.73
SHMT2	1.12	0.54	97.13	151.26	129.50	133.17	121.85
SHOC2	-1.12	0.53	32.57	43.65	49.22	41.67	38.26
SHPK	-1.05	0.98	2.52	5.49	4.31	2.49	3.79
SHPRH	-1.20	0.26	40.25	32.12	44.26	45.86	30.43
SHQ1	1.53	0.03	5.62	4.80	8.75	8.95	12.37
SHROOM1	1.51	0.02	9.98	7.82	5.48	9.51	12.00
SHROOM2	-1.33	0.55	8.14	7.00	13.45	3.51	6.19
SHROOM3	-2.38	0.00	7.68	8.24	13.05	5.32	4.42
SHROOM4	-1.49	0.04	244.72	349.73	196.47	257.74	168.57
SHTN1	-2.41	0.00	8.14	9.88	11.88	4.08	6.06
SIAE	-1.12	0.64	8.72	15.10	12.53	15.29	10.10
SIAH1	-1.07	0.73	24.66	22.78	22.19	30.24	21.72
SIAH2	-1.14	0.50	33.60	38.29	48.04	31.71	28.66
SIDT2	2.79	0.00	84.63	139.86	66.97	103.28	389.41
SIGIRR	1.03	1.00	2.29	1.92	2.22	1.59	1.01
SIGLEC1	1.73	0.16	0.80	0.96	0.78	0.57	1.64
SIGLEC10	1.87	0.00	2.75	5.22	6.14	5.66	11.11
SIGMAR1	-1.00	0.95	22.82	25.94	25.98	21.29	17.30
SIK1	6.49	0.00	1.61	3.57	3.13	3.51	22.98
SIK2	1.41	0.01	27.75	30.88	26.76	30.58	39.77
SIK3	-1.27	0.09	127.75	133.00	126.76	133.29	102.02
SIKE1	1.32	0.11	11.70	12.90	13.58	14.95	15.78
SIL1	-1.49	0.07	54.01	104.04	54.18	47.34	41.79
SIM2	1.27	0.30	16.40	10.98	16.84	16.76	23.23
SIMC1	-1.13	0.51	33.71	22.65	32.11	29.10	23.86
SIN3A	1.05	0.75	66.05	51.47	56.13	64.21	64.65

SIN3B	1.01	0.96	63.87	60.94	51.83	64.44	58.34
SIPA1	-1.48	0.05	12.04	8.37	12.01	8.27	7.45
SIPA1L1	-1.70	0.00	485.53	367.71	396.73	387.74	176.52
SIPA1L2	4.16	0.00	4.47	5.76	2.09	4.87	23.74
SIPA1L3	-1.01	0.99	68.00	54.08	52.87	75.31	70.20
SIRPA	2.32	0.00	40.82	49.41	27.55	55.49	122.10
SIRPB1	3.29	0.11	1.15	0.14	1.04	1.02	3.91
SIRT1	1.01	0.93	32.34	19.22	24.41	25.48	30.18
SIRT2	1.07	0.70	30.85	28.41	23.76	31.26	26.64
SIRT3	1.14	0.55	8.03	5.08	7.31	7.36	7.45
SIRT4	1.26	0.42	2.87	2.33	2.74	1.93	3.28
SIRT5	1.67	0.07	19.04	33.08	22.45	30.24	20.08
SIRT6	1.20	0.44	4.01	6.04	5.48	6.45	6.69
SIRT7	-1.01	0.99	5.62	3.29	4.83	4.08	4.80
SIVA1	-1.97	0.00	8.14	10.84	11.75	7.13	5.68
SIX1	-1.11	0.57	18.35	16.61	18.67	21.63	19.57
SIX2	-1.39	0.33	3.55	3.43	1.83	3.06	1.14
SIX4	-1.29	0.10	100.91	109.39	108.09	95.69	100.89
SIX5	1.12	0.44	52.41	63.00	52.35	44.28	59.60
SKA1	-2.28	0.00	6.31	8.24	4.83	7.81	2.78
SKA2	-2.37	0.00	19.38	19.76	22.98	19.48	5.68
SKA3	-2.92	0.00	31.76	30.61	37.34	23.78	8.21
SKAP2	2.38	0.00	3.90	2.88	5.22	3.85	7.32
SKI	1.18	0.37	209.40	251.87	193.21	243.81	209.35
SKIDA1	-2.33	0.01	2.18	4.12	2.74	3.74	0.63
SKIL	1.05	0.83	19.38	27.04	18.28	29.90	20.20
SKIV2L2	1.04	0.84	20.30	20.59	18.80	21.86	19.07
SKP1	-1.18	0.39	10.09	11.94	9.27	11.55	11.49
SKP2	-2.43	0.00	24.08	17.43	23.11	21.29	6.82
SLAIN2	-1.47	0.03	64.33	50.24	57.83	45.75	31.06
SLBP	-1.75	0.00	31.88	39.80	28.33	29.22	16.54
SLC10A1	1.34	0.66	0.23	0.41	0.65	1.47	1.14
SLC10A3	1.28	0.11	12.84	13.86	12.14	10.87	17.17
SLC10A5	-1.08	0.84	4.82	4.12	8.35	6.23	4.55
SLC10A7	-1.30	0.22	7.11	7.55	6.79	6.57	4.55
SLC11A1	7.60	0.00	0.57	0.41	1.31	0.23	5.68
SLC11A2	4.50	0.00	28.55	34.86	28.46	29.33	187.63
SLC12A2	-1.07	0.77	29.24	20.59	32.24	22.88	29.93
SLC12A4	-1.55	0.00	144.95	132.32	133.55	99.43	89.52
SLC12A6	-1.16	0.37	26.60	31.29	26.24	25.71	17.17
SLC12A7	2.28	0.01	2.98	1.65	2.35	3.06	6.44
SLC12A9	1.69	0.00	9.29	7.41	8.49	9.85	13.01
SLC13A4	-1.49	0.05	11.35	7.96	10.05	10.19	6.31
SLC13A5	419.22	0.00	0.34	0.55	0.65	0.11	245.84
SLC15A4	1.11	0.51	23.51	26.08	27.94	26.84	29.80
SLC16A1	-1.84	0.05	5.96	4.12	6.14	2.72	2.02
SLC16A10	-2.57	0.02	1.03	1.37	1.17	1.36	0.51

SLC16A11	3.03	0.00	0.23	0.96	1.17	0.79	2.65
SLC16A12	-1.56	0.06	27.18	20.86	43.21	18.69	21.21
SLC16A13	1.12	0.72	4.13	3.71	3.52	2.26	3.41
SLC16A2	5.47	0.00	13.88	11.26	17.49	13.02	98.11
SLC16A3	1.15	0.44	67.77	158.67	99.74	91.73	105.43
SLC16A4	-1.51	0.42	1.49	0.27	1.44	1.59	1.01
SLC16A5	-1.13	0.63	18.23	21.41	13.58	12.57	15.66
SLC16A7	14.15	0.00	2.87	2.06	3.52	2.83	44.83
SLC16A9	-3.45	0.02	2.41	1.10	5.61	1.25	1.26
SLC17A5	-1.88	0.00	18.23	12.63	14.23	11.78	8.08
SLC17A9	-2.19	0.00	64.56	68.49	69.97	63.53	23.23
SLC18A2	-1.43	0.15	12.50	18.26	9.14	8.72	8.46
SLC18B1	1.91	0.00	29.70	23.20	28.98	27.18	52.02
SLC19A1	1.29	0.35	4.59	3.16	6.01	4.98	4.67
SLC19A2	-1.29	0.29	9.17	5.90	10.18	7.25	5.93
SLC1A1	1.74	0.00	100.00	66.43	74.28	78.82	165.16
SLC1A2	11.80	0.00	0.23	0.14	0.00	0.11	2.40
SLC1A3	-1.04	0.91	11.93	7.55	7.31	9.17	8.97
SLC1A4	-1.17	0.34	46.10	62.04	50.13	49.03	45.71
SLC1A5	1.48	0.01	72.36	94.84	98.69	72.48	133.97
SLC20A1	1.64	0.00	93.46	72.20	62.27	110.41	157.20
SLC20A2	3.27	0.00	4.47	2.75	2.87	3.17	9.47
SLC22A16	16.45	0.00	0.34	0.69	1.31	2.04	25.63
SLC22A17	-2.64	0.00	128.09	120.37	137.20	127.96	29.80
SLC22A3	-4.45	0.00	8.94	4.67	5.74	9.51	1.52
SLC22A31	5.33	0.00	0.46	0.27	0.00	0.23	1.39
SLC22A4	-2.47	0.03	1.38	1.10	1.83	0.91	0.76
SLC22A5	1.10	0.74	8.83	8.51	10.31	9.17	12.88
SLC23A2	-1.12	0.62	15.25	17.29	13.97	10.98	12.75
SLC24A1	10.24	0.00	0.46	0.41	0.39	0.68	6.94
SLC24A5	-1.92	0.00	5.39	6.31	5.22	4.98	3.16
SLC25A1	-1.24	0.17	29.13	38.29	33.16	30.92	28.79
SLC25A10	-1.10	0.69	17.09	12.22	15.80	10.31	15.66
SLC25A11	-1.11	0.55	32.68	42.41	31.33	33.75	25.25
SLC25A12	-1.51	0.02	23.97	13.73	16.84	16.19	12.37
SLC25A13	-1.32	0.12	17.77	15.37	20.50	13.48	13.26
SLC25A14	-1.09	0.70	5.16	4.67	5.48	4.53	6.82
SLC25A15	-1.66	0.00	32.80	31.29	35.77	25.48	16.79
SLC25A16	-1.25	0.26	8.83	7.96	8.35	8.49	6.69
SLC25A17	-1.74	0.00	35.89	35.55	40.21	29.10	20.83
SLC25A19	1.35	0.22	3.78	3.57	2.74	3.51	3.79
SLC25A20	-1.23	0.33	7.68	7.96	10.31	8.83	5.81
SLC25A22	-1.62	0.00	32.68	29.78	39.56	32.61	17.17
SLC25A23	-1.26	0.38	5.16	7.27	8.09	4.87	6.57
SLC25A25	-1.09	0.79	4.93	5.63	4.83	3.28	4.29
SLC25A26	1.27	0.26	9.06	11.53	9.14	9.85	12.37
SLC25A27	-1.11	0.71	5.50	4.53	4.70	6.23	3.66

SLC25A28	1.71	0.00	29.13	29.65	28.33	23.78	68.18
SLC25A29	1.85	0.00	10.32	9.75	14.36	9.17	25.13
SLC25A3	1.41	0.02	88.87	89.63	80.16	77.91	128.16
SLC25A30	-2.11	0.00	25.92	13.59	21.15	22.99	9.22
SLC25A32	1.37	0.72	18.00	18.67	16.97	41.67	15.66
SLC25A33	1.57	0.03	5.85	5.22	5.48	2.83	8.84
SLC25A34	-1.11	0.82	1.61	0.96	1.31	1.02	1.14
SLC25A36	-1.26	0.30	84.74	87.43	105.87	52.54	45.96
SLC25A37_1	1.63	0.00	12.61	9.06	11.88	15.40	20.46
SLC25A37_2	1.65	0.00	51.14	39.39	56.40	59.23	80.18
SLC25A38	-1.11	0.56	18.35	18.53	16.71	15.29	18.81
SLC25A39	1.52	0.00	23.28	34.18	32.64	26.27	48.74
SLC25A4	-1.32	0.19	11.12	16.47	17.88	10.87	8.97
SLC25A40	1.14	0.49	7.22	7.69	9.66	9.63	9.47
SLC25A42	-1.26	0.61	4.13	1.78	2.09	1.70	1.89
SLC25A43	-1.36	0.23	5.05	3.57	4.44	4.76	2.78
SLC25A44	1.19	0.31	18.92	15.10	16.32	16.31	20.58
SLC25A46	1.24	0.14	52.29	46.94	50.78	64.89	62.12
SLC25A5	-1.26	0.20	17.20	18.39	17.49	13.59	14.27
SLC25A51	-1.13	0.51	20.76	20.59	27.15	21.63	24.12
SLC25A6	1.11	0.59	725.66	1357.06	708.34	534.28	917.21
SLC26A11	1.56	0.00	15.25	16.88	14.88	21.74	26.77
SLC26A2	-1.40	0.10	220.18	213.85	167.23	299.19	101.77
SLC26A6	1.36	0.09	7.45	6.59	7.44	6.34	8.84
SLC26A7	1.12	0.83	0.57	0.82	1.17	1.02	1.01
SLC27A1	-1.35	0.03	41.05	36.92	38.90	33.52	28.03
SLC27A3	-1.04	0.84	24.77	22.65	22.98	19.36	19.57
SLC27A4	1.08	0.78	5.28	2.61	3.92	4.76	4.42
SLC27A5	1.83	0.03	2.41	2.47	2.22	3.51	4.92
SLC28A1	1.95	0.13	0.92	0.69	0.13	1.47	1.01
SLC29A1	3.74	0.00	142.31	130.67	115.01	166.13	673.64
SLC29A2	-1.41	0.39	2.06	1.92	3.26	1.25	0.88
SLC29A3	2.04	0.06	3.33	2.33	2.61	3.51	3.66
SLC29A4	-1.72	0.10	1.61	2.88	2.48	3.17	2.27
SLC2A1	-1.09	0.63	188.07	243.08	223.49	202.48	196.47
SLC2A10	-2.65	0.00	65.02	70.55	68.93	63.87	17.42
SLC2A13	-1.29	0.15	10.66	10.57	13.97	10.98	7.45
SLC2A3	-1.22	0.78	214.79	1196.88	750.12	699.28	255.19
SLC2A4RG	-1.49	0.00	26.60	28.41	22.98	30.35	15.66
SLC2A6	4.05	0.00	6.77	11.39	7.31	6.00	41.92
SLC2A8	-1.01	0.98	5.62	3.98	2.48	4.19	3.79
SLC2A9	2.52	0.01	0.69	0.82	0.65	1.47	3.03
SLC30A1	1.57	0.00	16.28	12.49	11.75	12.34	24.50
SLC30A2	-1.75	0.22	1.38	1.51	0.65	2.38	0.63
SLC30A4	-1.78	0.01	4.93	5.08	5.61	6.00	3.66
SLC30A5	-1.34	0.02	72.59	80.98	74.02	73.38	55.43
SLC30A6	-1.38	0.04	18.00	16.47	22.58	17.89	12.88

SLC30A7	1.03	0.90	46.33	54.35	47.00	42.69	57.58
SLC30A9	-1.39	0.01	70.18	66.84	82.90	72.36	48.36
SLC31A1	1.03	0.89	107.34	132.86	128.59	108.03	132.96
SLC31A2	1.92	0.01	2.52	1.65	2.87	3.06	5.81
SLC33A1	1.08	0.66	25.11	28.14	23.63	28.42	31.19
SLC35A1	-1.47	0.00	34.75	34.73	38.25	38.16	22.85
SLC35A2	-1.43	0.03	16.97	19.76	20.63	15.06	10.23
SLC35A3	-1.21	0.31	16.86	18.12	20.10	13.59	12.00
SLC35A4	-1.59	0.00	28.10	29.92	26.24	26.50	16.67
SLC35A5	1.24	0.20	48.39	41.73	47.39	80.40	66.54
SLC35B1	-1.12	0.53	21.21	26.90	20.10	21.97	24.62
SLC35B2	-1.84	0.00	118.69	150.16	92.03	114.72	56.32
SLC35B3	-1.36	0.08	30.04	18.80	22.19	20.61	15.28
SLC35B4	-2.23	0.00	11.81	12.08	7.83	8.95	5.68
SLC35C1	1.66	0.01	5.16	5.08	2.87	4.30	6.82
SLC35C2	-1.09	0.66	16.86	23.75	21.02	24.46	15.40
SLC35D1	-3.27	0.00	95.18	105.96	111.49	98.52	15.03
SLC35D2	-1.20	0.78	1.61	2.61	3.13	6.34	3.28
SLC35E1	-1.38	0.03	190.59	182.14	157.31	158.99	109.10
SLC35E2	-1.07	0.80	6.19	10.84	7.44	10.08	5.05
SLC35E3	-1.33	0.04	37.50	36.51	34.33	29.90	28.54
SLC35E4	2.54	0.02	1.03	1.10	1.04	0.68	2.53
SLC35F1	5.22	0.00	0.00	0.00	0.00	0.68	1.14
SLC35F2	-2.70	0.00	10.21	5.63	11.49	4.42	2.78
SLC35F5	1.04	0.83	79.47	88.94	76.37	93.43	79.93
SLC35F6	-1.29	0.18	30.73	27.31	36.29	20.72	18.44
SLC35G1	1.49	0.39	0.80	1.10	0.39	0.79	1.26
SLC36A1	1.54	0.17	1.49	1.78	2.61	0.68	2.27
SLC36A4	1.04	0.74	60.32	57.10	56.66	130.00	67.55
SLC37A1	2.31	0.01	1.03	1.65	0.78	0.45	2.40
SLC37A2	-1.75	0.20	1.49	1.51	1.31	0.57	0.13
SLC37A3	-1.28	0.10	79.47	73.98	68.28	82.55	45.58
SLC37A4	1.01	0.95	11.81	9.47	7.96	10.64	8.97
SLC38A1	-1.09	0.63	56.08	46.26	54.18	60.81	47.10
SLC38A10	-1.07	0.70	160.89	156.61	168.14	139.29	143.06
SLC38A2	-1.31	0.07	443.22	420.14	483.41	491.47	305.19
SLC38A3	-1.15	0.48	81.19	61.35	57.96	86.86	46.59
SLC38A4	-1.45	0.50	2.64	1.51	2.74	0.45	0.51
SLC38A5	-1.47	0.27	6.77	3.57	5.48	2.60	4.67
SLC38A6	1.33	0.16	7.91	5.63	5.35	9.85	11.11
SLC38A7	2.29	0.00	12.27	9.33	8.22	11.10	28.41
SLC38A9_1	-1.01	0.96	7.00	5.35	9.79	5.10	7.83
SLC38A9_2	-1.08	0.80	5.28	5.35	5.61	3.96	4.80
SLC39A1	1.63	0.00	92.20	105.82	77.41	70.66	158.09
SLC39A10	-1.18	0.48	9.75	14.00	15.80	18.12	10.10
SLC39A11	-1.07	0.72	9.63	8.92	10.31	7.25	10.48
SLC39A13	-1.15	0.37	77.63	66.98	75.19	66.59	69.19

SLC39A14	3.42	0.00	542.18	433.59	455.08	375.29	1726.08
SLC39A3	-1.36	0.16	10.55	12.63	8.35	7.36	7.20
SLC39A5	-1.11	1.00	2.18	0.14	0.65	0.68	1.26
SLC39A6	-1.34	0.04	25.69	26.22	28.07	23.78	19.82
SLC39A7	-1.39	0.01	168.00	181.18	154.83	161.03	112.25
SLC39A8_1	16.86	0.00	0.11	0.00	0.13	0.23	0.63
SLC39A8_2	22.10	0.00	0.23	0.82	0.39	0.34	6.06
SLC39A9	-1.43	0.04	123.28	89.77	80.94	72.02	60.61
SLC3A1	-1.36	0.14	10.09	7.82	8.88	12.23	5.56
SLC3A2	1.84	0.00	39.45	43.78	44.78	46.66	92.18
SLC40A1	1.84	0.03	77.98	85.37	187.73	77.35	240.04
SLC41A1	1.43	0.01	16.05	15.24	19.19	20.27	27.27
SLC41A2	-1.62	0.00	24.54	24.02	26.63	22.42	14.52
SLC41A3	1.14	0.47	13.65	14.96	13.71	16.42	16.67
SLC43A1	1.19	0.35	83.25	97.86	66.45	47.79	107.96
SLC43A2	18.88	0.00	1.03	1.78	0.39	1.25	29.67
SLC43A3	1.43	0.09	4.59	7.96	7.70	5.55	10.48
SLC44A1	1.34	0.07	144.38	225.10	141.90	205.31	201.27
SLC44A2	-2.19	0.00	134.97	87.71	138.12	60.81	45.20
SLC45A3	1.14	0.72	1.83	2.06	2.09	2.72	2.78
SLC45A4	-1.71	0.02	5.16	5.22	4.83	4.64	4.42
SLC46A1	-1.62	0.01	10.21	7.41	8.35	7.70	4.42
SLC46A2	46.27	0.00	0.80	0.69	1.17	0.34	52.65
SLC48A1	4.16	0.00	2.29	2.61	2.22	4.87	15.03
SLC4A11	2.71	0.08	0.92	0.41	0.91	1.25	0.38
SLC4A1AP	-1.19	0.32	13.88	15.78	13.45	13.93	10.61
SLC4A2	-1.04	0.82	61.35	71.92	66.06	54.36	56.95
SLC4A3	-1.52	0.07	8.72	5.49	10.44	6.91	5.18
SLC4A4	1.97	0.01	1.83	2.33	1.96	4.08	5.43
SLC4A5	-1.46	0.17	6.65	3.29	5.09	4.87	4.42
SLC4A7	2.15	0.00	64.68	74.39	84.59	85.61	186.88
SLC4A8	-4.51	0.00	9.63	11.39	15.67	9.74	1.39
SLC50A1	1.50	0.02	16.97	16.75	11.62	9.40	18.06
SLC52A2	-1.14	0.41	23.85	20.31	25.06	23.55	20.96
SLC5A2	-1.76	0.00	13.30	12.22	12.92	10.76	4.92
SLC5A6	1.23	0.38	9.98	11.80	13.71	12.00	13.64
SLC6A12	39.47	0.00	0.57	0.55	0.39	4.53	67.93
SLC6A14	1.94	0.06	4.24	3.84	6.14	4.98	17.55
SLC6A16	-1.19	0.55	25.69	8.92	27.28	29.33	17.93
SLC6A2	-3.77	0.00	4.82	7.14	1.83	8.83	0.25
SLC6A20	-6.37	0.00	17.32	11.12	22.72	5.89	1.77
SLC6A6	1.39	0.34	2.29	3.16	1.96	2.49	3.91
SLC6A8	-2.17	0.00	84.17	65.88	80.68	70.89	32.07
SLC6A9_1	1.37	0.07	18.92	26.77	21.41	19.02	34.98
SLC7A1	1.38	0.06	22.71	22.92	27.68	25.25	41.04
SLC7A10	-9.19	0.00	6.65	10.02	9.92	4.53	1.26
SLC7A11	1.01	0.80	10.78	2.33	15.93	4.53	13.38

SLC7A2	32.10	0.00	39.91	73.30	53.52	38.84	2924.24
SLC7A5	1.59	0.03	16.51	18.80	20.50	15.40	42.43
SLC7A6	-1.47	0.02	15.83	15.10	22.32	18.69	12.50
SLC7A6OS	-1.10	0.55	18.23	19.22	18.93	19.14	19.32
SLC7A7	2.71	0.00	2.87	4.12	2.35	4.98	9.98
SLC7A8	3.04	0.00	0.92	0.41	0.78	1.81	1.77
SLC8B1	2.41	0.00	16.28	9.20	16.58	24.91	59.85
SLC9A1	1.40	0.02	18.58	15.92	14.36	15.74	21.47
SLC9A3R1	-1.15	0.46	37.84	34.18	29.76	25.14	33.46
SLC9A3R2	-2.21	0.00	7.00	7.69	6.40	8.04	2.40
SLC9A5	3.91	0.00	4.82	2.06	6.53	6.34	21.59
SLC9A6	1.15	0.35	33.94	41.86	43.99	39.64	50.51
SLC9A7	-1.19	0.37	15.94	15.51	15.40	11.32	9.34
SLC9A8	1.41	0.01	41.05	28.41	37.60	36.01	56.32
SLC9A9	2.62	0.00	11.35	10.16	7.57	8.61	17.05
SLC9B2	-1.31	0.38	2.98	2.33	2.22	2.60	1.89
SLCO3A1	1.48	0.06	7.80	10.84	3.92	10.31	13.76
SLCO4A1	80.85	0.00	0.23	0.27	0.65	0.45	51.14
SLCO5A1	2.45	0.03	0.92	0.27	0.39	0.34	1.52
SLF1	-1.17	0.47	14.91	9.33	14.88	13.59	9.09
SLF2	-1.13	0.49	82.34	70.28	82.37	95.92	67.68
SLFN11	1.01	0.90	28.21	30.61	23.24	20.95	25.13
SLFN12	1.21	0.57	3.78	0.69	3.00	1.81	3.66
SLFNL1	-1.72	0.41	2.75	0.55	1.44	4.42	1.01
SLIRP	1.02	0.95	8.83	12.63	11.88	10.87	13.01
SLIT2	-2.22	0.00	11.01	6.59	6.66	7.02	3.03
SLIT3	1.87	0.09	2.75	2.06	4.18	1.47	5.68
SLITRK6	-4.62	0.01	3.67	1.92	0.52	3.40	0.13
SLK	-1.18	0.26	40.37	36.37	35.64	42.47	35.36
SLMAP	-1.10	0.62	67.43	89.08	67.23	65.23	72.35
SLTM	-1.01	0.95	87.61	73.16	83.94	87.08	80.94
SLU7	1.30	0.07	21.21	21.82	19.06	21.40	26.01
SLX1A	1.03	0.92	6.88	7.41	7.18	5.44	6.94
SLX4	-1.42	0.01	75.23	59.29	62.27	53.56	39.90
SLX4IP	-1.24	0.17	23.28	23.20	18.02	23.33	18.69
SMAD1	-1.25	0.25	90.71	73.43	87.73	56.51	53.03
SMAD2	1.17	0.31	45.18	50.37	45.17	53.90	56.95
SMAD3	2.23	0.00	24.54	18.67	23.76	23.89	59.22
SMAD4	-1.24	0.14	83.02	90.73	75.06	90.37	68.69
SMAD5	-1.11	0.52	117.89	108.43	122.97	118.34	106.44
SMAD6	-1.16	0.40	12.84	12.63	13.45	13.14	9.09
SMAD7	1.89	0.01	5.85	8.37	2.35	11.10	12.00
SMAD9	-2.21	0.00	61.24	54.63	48.95	50.96	12.75
SMAGP	1.15	0.63	2.98	5.08	4.05	6.23	6.31
SMAP1	1.32	0.04	27.64	26.22	27.81	30.69	40.03
SMAP2	1.01	0.94	8.14	10.98	13.45	7.36	9.34
SMARCA1	-1.04	0.85	83.02	71.92	96.47	97.62	77.40

SMARCA2	1.68	0.00	119.61	90.59	113.18	116.07	188.27
SMARCA4	-1.42	0.01	63.87	68.90	54.83	54.36	38.13
SMARCA5	1.14	0.41	88.87	87.16	88.51	101.58	103.03
SMARCAD1	-1.12	0.47	34.63	31.16	34.59	37.37	29.29
SMARCAL1	1.05	0.78	32.91	28.00	23.63	27.40	33.59
SMARCB1	-1.80	0.00	48.97	58.88	49.61	45.64	25.38
SMARCC1	-1.20	0.25	57.57	47.49	50.91	44.62	35.36
SMARCC2	1.28	0.09	102.40	83.59	85.64	110.53	118.57
SMARCD1	-1.13	0.53	17.09	13.59	13.05	13.59	12.63
SMARCD2	1.10	0.51	40.59	40.77	41.51	38.05	45.84
SMARCD3	-1.55	0.00	19.95	24.29	19.06	22.54	14.65
SMARCE1	1.04	0.83	44.72	52.71	49.09	51.53	49.88
SMC1A	-1.57	0.00	72.93	84.96	72.32	83.46	38.89
SMC2	-2.60	0.00	98.05	104.59	101.43	104.18	22.85
SMC3	-1.48	0.00	124.65	121.20	125.32	128.53	69.45
SMC4	-3.06	0.00	244.60	324.89	233.68	233.17	69.32
SMC5	1.13	0.50	76.83	64.79	104.18	81.54	83.46
SMC6	-1.02	0.92	37.73	38.84	36.55	37.71	40.03
SMCHD1	1.04	0.84	54.70	54.35	55.48	65.23	55.94
SMCO4	1.24	0.33	9.17	13.73	8.88	10.53	15.15
SMCR8	-1.02	0.95	11.47	11.39	9.92	8.61	9.85
SMDT1	1.44	0.02	16.74	21.14	19.06	19.82	33.71
SMG1	-1.14	0.43	145.41	113.92	120.10	137.93	128.92
SMG5	1.45	0.00	43.00	36.37	40.08	42.47	62.63
SMG6	1.07	0.74	43.12	43.51	44.26	42.58	51.64
SMG7	1.29	0.09	54.70	49.00	52.48	63.87	66.16
SMG8	1.03	0.91	8.37	8.92	9.27	10.98	8.84
SMG9	1.42	0.03	12.73	9.61	10.05	8.61	15.91
SMIM1	-1.90	0.00	12.96	15.51	18.15	10.98	6.94
SMIM10L1	1.21	0.23	20.53	21.96	28.59	21.52	27.02
SMIM11A	-1.49	0.01	11.70	11.94	14.10	12.46	8.08
SMIM12	1.12	0.56	8.37	12.63	8.88	10.08	12.12
SMIM13	1.56	0.00	19.15	26.63	17.10	19.02	32.45
SMIM14	1.33	0.03	27.41	34.18	28.46	34.54	39.27
SMIM15	1.19	0.34	14.68	14.82	17.75	15.97	17.42
SMIM17	1.43	0.41	2.52	2.06	1.96	3.06	5.56
SMIM19	1.29	0.06	44.38	52.16	51.83	49.15	68.94
SMIM3	2.36	0.00	3.33	4.12	4.18	6.68	8.08
SMIM4	-1.12	0.60	9.29	10.29	8.09	9.17	8.59
SMIM7	-1.03	0.88	71.79	68.22	63.31	66.59	70.20
SMIM8	1.20	0.62	2.06	1.51	1.96	1.47	2.27
SMKR1	1.51	0.09	9.98	10.02	5.09	5.32	14.90
SMN2	-1.03	0.86	10.44	10.84	10.84	10.76	11.11
SMNDC1	1.05	0.88	9.17	9.47	9.14	8.49	10.10
SMO	-1.25	0.15	220.29	201.22	201.17	251.97	164.40
SMOC1	-2.82	0.00	374.87	290.57	307.17	364.76	90.66
SMOC2	-7.75	0.00	1228.16	1306.13	1650.23	925.08	198.37

SMOX	3.26	0.00	3.10	2.06	4.05	3.40	14.52
SMPD1	-1.10	0.53	42.54	46.12	43.08	46.77	40.15
SMPD2	2.10	0.00	3.90	2.61	2.74	3.62	7.32
SMPD3	1.77	0.00	11.47	9.88	14.88	11.32	20.83
SMPD4	-1.19	0.31	12.04	11.53	12.40	12.34	10.61
SMPD5	-3.36	0.00	5.39	3.16	2.74	5.55	1.64
SMPDL3A	1.00	0.97	0.92	1.37	1.83	1.59	1.39
SMS	-1.01	0.97	2.98	4.67	5.74	2.94	4.17
SMTN	-1.55	0.02	57.91	41.18	46.21	34.65	25.88
SMTNL2	1.22	0.76	3.10	1.92	1.96	2.60	2.02
SMU1	-1.05	0.77	30.73	28.55	31.59	33.63	28.03
SMUG1	-1.07	0.76	19.95	16.75	19.32	14.27	15.15
SMURF1	2.57	0.00	12.38	15.65	12.53	14.95	41.42
SMURF2	1.66	0.00	62.50	46.39	48.56	51.87	98.36
SMYD2	-1.28	0.18	13.65	15.37	19.58	14.38	9.09
SMYD3	1.01	0.95	3.33	5.35	3.13	5.66	4.29
SMYD4	-1.14	0.48	15.83	12.76	13.32	14.04	9.34
SMYD5	-1.25	0.18	14.68	14.69	16.32	14.16	12.12
SNAI1	-1.47	0.05	55.85	94.02	54.05	54.92	29.29
SNAI2	1.26	0.20	99.42	126.96	119.06	108.15	109.60
SNAP23	-1.17	0.27	27.87	29.24	28.59	28.54	21.72
SNAP29	1.15	0.88	1.03	1.37	1.04	1.59	2.15
SNAP47	-1.00	0.99	7.22	9.33	6.79	8.95	6.69
SNAPC1	1.46	0.03	7.11	6.45	6.79	7.70	8.21
SNAPC2	-1.29	0.25	8.03	7.14	11.88	7.93	7.20
SNAPC3	-1.26	0.30	5.96	7.69	6.40	5.89	5.93
SNAPC4	1.09	0.73	38.87	28.69	32.38	39.07	33.84
SNAPC5	-1.11	0.74	3.44	4.80	3.39	5.10	3.91
SNAPIN	1.42	0.03	8.37	9.47	6.92	8.61	12.00
SNCAIP	1.47	0.04	21.79	29.78	21.15	33.18	51.64
SND1	-1.07	0.71	163.07	223.32	183.16	176.21	169.70
SNED1	5.34	0.00	20.76	11.67	8.75	33.18	113.89
SNF8	1.05	0.80	17.43	22.78	17.75	15.74	21.59
SNIP1	1.00	1.00	11.01	11.67	9.01	8.95	10.99
SNN	-1.10	0.69	13.65	21.82	11.62	23.33	8.08
SNPH	-1.17	0.54	18.00	9.61	12.92	12.12	9.60
SNRK	1.06	0.74	21.44	21.00	24.54	25.25	25.76
SNRNP200	1.29	0.06	124.19	125.86	122.45	125.25	157.46
SNRNP25	-1.54	0.01	20.30	26.90	25.46	18.57	16.29
SNRNP27	-1.19	0.47	5.50	6.04	7.57	6.34	4.04
SNRNP35	-1.05	0.94	2.98	2.06	2.48	4.30	3.03
SNRNP40	-1.53	0.00	51.49	51.61	50.52	41.33	27.91
SNRNP48	-1.02	0.91	21.10	17.02	21.28	22.54	19.32
SNRNP70	-1.22	0.17	46.33	43.10	37.47	39.97	30.30
SNRPA	-1.57	0.00	18.92	26.22	23.76	19.14	11.49
SNRPA1	-1.10	0.78	7.68	12.49	7.44	7.25	8.21
SNRPB	1.01	0.98	33.14	38.16	28.72	32.95	37.25

SNRPB2	-1.00	0.98	20.64	24.16	23.63	21.29	25.25
SNRPC	-1.38	0.03	22.93	24.71	21.67	20.84	16.79
SNRPD1	-1.61	0.00	19.61	24.29	22.19	21.40	13.01
SNRPD2	1.13	0.46	22.93	35.14	24.80	24.46	33.84
SNRPD3	-1.09	0.70	31.08	43.37	32.11	28.08	32.70
SNRPE	-1.52	0.16	3.55	4.12	4.96	2.38	2.02
SNRPF	-1.92	0.00	34.17	36.10	26.11	20.84	14.02
SNRPG	-1.05	0.92	2.87	5.49	4.44	3.96	3.54
SNRPN	-1.33	0.09	32.34	33.49	42.95	25.71	21.21
SNTA1	1.57	0.23	1.83	3.02	2.22	1.70	3.91
SNTB1	2.60	0.00	10.44	6.18	11.10	20.84	27.53
SNTB2	1.15	0.55	4.82	4.12	4.18	6.34	5.93
SNU13	1.11	0.55	60.78	73.43	64.23	61.15	80.69
SNUPN	-1.14	0.43	16.05	20.45	18.93	18.57	19.07
SNW1	1.12	0.73	90.36	64.92	94.52	92.97	79.17
SNX1	-1.51	0.01	87.61	102.39	120.36	76.78	55.81
SNX10	-2.35	0.00	29.24	37.20	31.33	24.35	11.74
SNX11	1.10	0.67	7.00	8.65	7.31	7.13	7.58
SNX12	1.24	0.10	30.73	34.73	35.25	34.31	39.02
SNX13	1.45	0.01	77.29	79.61	78.59	101.35	129.17
SNX14	1.10	0.54	41.97	37.88	44.26	44.84	49.24
SNX15	1.31	0.14	8.03	8.65	8.49	7.81	12.25
SNX16	2.64	0.00	5.28	3.29	6.01	7.93	20.58
SNX17	-1.23	0.18	57.91	76.59	57.70	60.59	46.09
SNX18	1.32	0.09	66.97	72.47	63.18	84.25	105.43
SNX19	-1.06	0.73	23.51	26.77	22.72	22.65	22.60
SNX2	1.15	0.37	35.21	31.98	30.55	35.11	37.38
SNX21	1.43	0.22	2.64	5.49	4.70	3.85	7.58
SNX22	-6.16	0.00	40.48	35.00	61.49	14.72	3.66
SNX24	1.73	0.01	4.93	3.57	6.79	6.57	11.49
SNX25	-3.47	0.00	86.58	108.16	89.29	49.03	17.80
SNX27	-1.26	0.14	17.55	19.90	19.06	22.31	14.02
SNX29	1.41	0.10	5.05	4.39	5.35	5.10	7.70
SNX3	-1.05	0.84	85.89	133.14	106.26	88.10	93.31
SNX30	4.94	0.00	19.27	11.94	14.49	15.74	96.22
SNX33	2.48	0.00	5.28	5.49	5.61	6.79	12.75
SNX4	1.29	0.08	34.98	36.51	44.26	38.73	56.19
SNX5	1.44	0.00	44.26	50.24	52.48	50.51	67.05
SNX6	2.22	0.00	5.50	6.73	5.35	7.93	12.88
SNX7	-1.37	0.06	17.55	20.04	19.97	22.08	9.85
SNX8	-1.02	0.92	13.53	13.18	12.92	11.44	12.88
SNX9	1.85	0.00	55.27	58.06	59.53	76.33	124.88
SOAT1	2.87	0.00	20.99	23.06	25.06	28.08	86.11
SOBP	-1.09	0.61	58.71	47.49	50.26	53.00	42.30
SOCS1	2.70	0.00	6.31	13.73	7.70	6.45	25.13
SOCS2	-1.51	0.05	15.48	17.84	15.01	10.53	15.40
SOCS3	10.52	0.00	1.26	1.92	0.65	1.81	14.65

SOCS4	1.07	0.77	10.21	8.65	10.31	6.68	12.12
SOCS5	1.74	0.00	38.30	41.18	35.90	46.66	88.89
SOCS6	-1.12	0.47	37.15	36.10	37.99	35.33	29.93
SOCS7	-1.19	0.43	7.34	8.51	11.36	9.97	5.18
SOD1	-1.33	0.05	52.29	68.08	56.92	46.77	42.05
SOD2_1	185.77	0.00	24.88	46.80	36.42	25.48	6802.93
SOD2_2	164.19	0.00	4.36	6.86	3.92	3.96	883.24
SOD3	2.99	0.00	8.72	6.86	3.00	28.54	30.05
SOGA1	-1.96	0.00	18.00	18.26	15.27	10.98	6.69
SON	-1.12	0.51	434.85	373.34	411.87	445.84	381.33
SORBS1	-3.05	0.00	294.14	199.02	229.11	182.09	34.72
SORBS2	-1.56	0.02	227.06	167.32	135.25	162.28	147.35
SORBS3	1.30	0.07	88.76	80.30	83.55	92.63	118.57
SORCS2	-1.00	1.00	2.75	3.84	3.66	6.68	6.31
SORD	-3.53	0.00	6.31	4.25	9.27	3.28	1.26
SORL1	1.61	0.02	169.49	228.39	176.63	82.21	336.88
SORT1	6.11	0.00	48.74	49.28	34.46	44.39	265.67
SOS1	-1.13	0.45	98.05	94.43	98.69	81.20	89.52
SOS2	1.04	0.80	27.52	25.67	31.85	36.69	32.45
SOSTDC1	30.23	0.00	0.46	0.00	0.26	0.11	8.84
SOWAHA	1.29	0.50	0.92	1.65	0.00	1.13	1.77
SOWAHC	-1.34	0.09	18.00	17.29	13.58	15.97	9.22
SOWAHD	-2.86	0.01	1.49	1.51	1.17	1.81	0.25
SOX10	-1.85	0.00	27.06	33.49	31.85	25.48	12.37
SOX11	-5.43	0.00	14.10	11.53	9.27	15.97	2.15
SOX12	-2.26	0.00	41.97	55.31	42.95	42.69	15.53
SOX13	1.36	0.32	3.10	2.06	4.18	3.17	3.79
SOX15	1.43	0.34	1.49	1.37	1.04	1.47	2.02
SOX18	-1.04	0.81	1.72	1.65	3.66	1.25	0.51
SOX4	-1.74	0.00	18.46	24.43	20.50	14.16	10.61
SOX5	-1.54	0.00	125.45	123.53	98.82	126.72	60.48
SOX6	-1.61	0.00	70.30	77.55	62.14	82.10	29.55
SOX7	1.96	0.19	0.34	0.27	1.31	0.34	0.88
SOX8	-2.00	0.00	310.88	395.30	245.95	257.85	77.91
SOX9	-1.87	0.00	161.92	182.69	193.60	128.53	68.69
SP1	1.14	0.41	64.22	51.06	63.71	65.23	74.50
SP100	2.83	0.00	0.57	1.37	1.44	1.36	2.65
SP110	2.63	0.01	0.92	1.10	0.13	1.70	2.78
SP140	3.55	0.00	4.24	1.51	2.48	3.51	10.99
SP140L	2.18	0.00	5.16	4.12	2.87	3.17	9.09
SP2	1.06	0.95	2.64	2.33	2.87	1.81	2.40
SP3	-1.13	0.44	118.57	118.18	116.19	133.40	97.10
SP4	-1.01	0.97	31.88	29.10	17.49	31.03	29.67
SP9	-2.26	0.12	2.18	0.55	1.57	0.79	0.25
SPA17	-1.06	0.86	4.36	7.96	3.79	4.53	6.82
SPAG1	1.76	0.00	11.58	6.18	10.05	10.31	18.06
SPAG16	-1.39	0.15	9.40	6.18	6.40	8.83	5.43

SPAG4	-3.46	0.00	1.83	1.65	1.04	2.15	0.38
SPAG5	-2.87	0.00	78.21	77.00	68.80	58.32	19.70
SPAG7	-1.57	0.00	33.83	35.41	28.20	28.54	18.69
SPAG8	1.04	0.93	2.64	1.65	1.44	1.47	2.15
SPAG9	-1.12	0.55	138.07	99.51	109.53	97.39	100.00
SPAM1	-1.16	0.74	1.61	1.24	0.78	1.25	1.26
SPARC	-1.17	0.35	21514.56	25516.14	24666.14	20501.41	21955.59
SPARCL1	-1.29	0.43	2.64	1.51	3.79	2.15	0.38
SPAST	-1.33	0.04	31.76	30.88	31.20	32.61	21.84
SPATA13	1.35	0.09	106.19	110.49	82.11	143.82	129.30
SPATA16	-1.22	0.79	0.92	0.82	2.74	0.79	1.52
SPATA2	-1.13	0.48	34.98	30.06	29.37	25.93	35.86
SPATA20	2.47	0.00	14.45	17.29	19.32	14.72	43.31
SPATA24	-1.19	0.45	8.72	13.18	8.09	9.74	7.83
SPATA2L	1.62	0.13	1.15	1.65	1.17	1.25	2.15
SPATA5	1.27	0.40	5.39	5.63	5.87	4.76	9.47
SPATA5L1	-1.01	0.98	12.38	13.31	14.88	12.57	13.89
SPATA6	-1.14	0.71	5.85	4.67	7.96	3.96	6.31
SPATA6L	-1.48	0.34	1.15	2.20	1.17	1.59	1.14
SPATA7	-1.09	0.62	19.84	18.53	22.45	23.33	20.46
SPATA9	-1.85	0.14	1.72	0.82	1.31	1.25	0.63
SPATS2	-1.45	0.03	233.36	287.14	278.32	220.60	115.79
SPATS2L	-1.24	0.18	93.23	82.90	103.65	75.53	75.63
SPC24	-3.23	0.00	22.13	25.53	21.93	15.06	4.17
SPC25	-2.14	0.00	9.98	11.94	10.57	8.27	2.65
SPCS1	-1.15	0.39	42.89	50.78	39.95	37.03	38.89
SPCS2	1.22	0.23	67.77	82.63	82.51	71.57	113.64
SPCS3	1.07	0.76	15.60	24.98	19.84	16.31	24.75
SPDL1	-2.74	0.00	41.28	44.88	36.68	31.03	10.23
SPDYA	-1.50	0.20	2.41	3.16	1.83	2.60	2.27
SPECC1	-1.80	0.05	3.33	4.67	6.14	7.36	1.39
SPECC1L	-1.41	0.01	63.07	60.12	63.45	51.87	41.29
SPEF1	-1.06	0.98	1.15	0.55	2.48	1.13	1.64
SPEF2	-1.26	0.57	2.41	1.78	3.13	4.64	2.15
SPEG	-1.26	0.12	40.48	31.43	36.68	44.62	29.42
SPEN	1.35	0.04	129.12	112.82	100.39	148.01	175.13
SPG11	1.06	0.75	41.40	40.90	45.95	45.30	42.68
SPG20	-1.27	0.09	107.22	103.49	108.74	91.61	84.09
SPG21	1.25	0.14	15.25	18.67	15.93	21.06	20.08
SPG7	1.13	0.49	39.91	41.04	45.56	50.85	50.25
SPHAR	1.38	0.32	3.44	1.65	1.57	2.15	4.29
SPHK1	1.49	0.01	18.92	14.00	17.88	15.06	27.27
SPHK2	1.08	0.66	25.46	33.90	22.45	24.01	33.08
SPICE1	-1.10	0.63	18.92	13.59	17.23	19.25	15.53
SPIDR	2.66	0.00	5.28	6.04	4.83	5.66	15.15
SPIN1	-1.33	0.04	130.61	142.47	122.58	120.49	83.34
SPIN2	-1.34	0.20	10.78	8.92	10.05	6.79	4.42

SPIN2B_1	-2.01	0.07	1.15	1.37	1.31	1.25	0.88
SPIN4	-1.29	0.13	16.28	13.59	14.49	17.55	10.35
SPINT2	-1.14	0.47	204.01	197.79	273.62	201.46	207.33
SPIRE1	-1.17	0.38	21.56	17.84	19.19	25.14	14.39
SPNS1	3.57	0.00	20.30	27.18	18.80	24.69	106.70
SPNS2_1	-1.38	0.26	4.93	4.53	3.00	3.28	3.79
SPNS2_2	2.46	0.14	0.57	0.27	0.13	0.91	1.14
SPOCK1	-1.32	0.97	2.64	18.94	12.40	1.25	10.48
SPOCK2	-1.64	0.16	2.64	1.51	3.39	2.04	1.14
SPON1	-1.18	0.55	66.51	41.73	49.87	95.12	37.00
SPON2	2.91	0.00	1.49	1.92	1.44	2.49	3.66
SPOP	-1.08	0.65	72.93	66.57	64.23	54.58	51.77
SPOPL	1.59	0.00	51.49	57.24	62.53	62.40	105.43
SPP1	21.71	0.00	27.06	42.00	24.02	63.08	1386.42
SPPL2A	2.71	0.00	84.06	83.18	73.11	113.13	270.59
SPPL2B	-1.07	0.73	9.63	7.69	10.44	9.97	10.73
SPPL3	1.40	0.03	20.18	25.67	15.80	25.48	29.42
SPR	-1.14	0.48	16.17	22.51	17.23	16.19	15.28
SPRED1	1.38	0.02	45.98	38.84	36.55	54.81	57.33
SPRED2	7.39	0.00	34.86	22.37	21.28	52.43	326.78
SPRED3	3.87	0.00	4.47	5.35	3.79	7.13	16.92
SPRTN	-1.29	0.07	28.32	26.63	24.93	26.05	18.94
SPRY1	1.30	0.55	1.49	1.92	3.13	3.17	1.64
SPRY2	1.50	0.08	11.35	7.96	7.18	26.84	19.07
SPRY3	1.30	0.56	1.26	1.65	1.44	1.59	1.14
SPRYD3	1.04	0.79	40.71	56.41	53.65	49.37	54.17
SPRYD4	1.09	0.68	8.83	7.00	13.19	8.61	10.10
SPRYD7	1.59	0.01	6.77	8.78	6.79	10.42	13.13
SPSB1	1.94	0.00	42.31	56.41	39.03	53.11	97.73
SPSB2	3.97	0.00	0.57	0.69	1.17	1.59	3.91
SPSB3	-1.22	0.16	28.32	27.45	24.15	26.73	20.46
SPSB4	-3.13	0.00	10.21	11.12	12.14	10.42	2.27
SPTAN1	-1.04	0.82	134.40	114.33	135.51	119.92	120.84
SPTB	-1.37	0.17	8.49	6.59	5.22	7.02	5.56
SPTBN1	-1.26	0.11	176.48	163.34	164.36	160.92	133.34
SPTBN4	-3.64	0.00	28.90	25.26	37.47	32.84	5.43
SPTBN5	1.57	0.07	3.44	3.16	3.13	5.32	7.58
SPTLC1	1.20	0.18	48.85	49.41	44.12	58.77	58.84
SPTLC2	-1.17	0.37	42.89	33.22	45.17	34.09	42.80
SPTLC3	-1.75	0.03	6.31	6.59	10.70	7.36	4.17
SPTSSA	1.83	0.00	50.92	55.18	62.53	49.94	137.25
SPTY2D1	-1.34	0.03	34.17	33.35	31.33	30.35	22.10
SPX	-1.12	0.80	3.21	2.20	3.39	1.36	3.03
SQLE	1.07	0.69	117.08	179.53	154.31	118.57	156.82
SQRDL	5.01	0.00	4.70	2.61	6.14	4.08	35.61
SQSTM1	2.70	0.00	110.89	84.55	90.86	87.08	310.11
SRA1	-1.21	0.32	32.91	26.49	21.80	21.52	18.81

SRBD1	-1.43	0.01	33.94	29.37	39.16	27.29	21.21
SRC	-1.11	0.58	12.84	9.75	12.14	9.74	11.74
SRCAP	1.08	0.63	150.57	105.00	120.62	136.80	138.64
SRCIN1	-2.54	0.00	63.76	63.41	46.74	49.60	29.55
SRD5A1	-1.43	0.04	19.72	29.37	32.64	24.35	15.03
SRD5A3	1.18	0.65	1.61	1.78	2.48	1.70	1.64
SREBF1	-1.25	0.24	158.71	104.04	125.06	101.81	120.46
SREBF2	1.34	0.04	295.17	340.12	283.94	315.27	407.21
SREK1	1.05	0.81	73.74	64.10	64.10	72.48	75.13
SREK1IP1	-1.23	0.19	17.89	18.53	20.10	20.61	14.39
SRF	1.27	0.10	21.90	24.71	22.98	18.01	28.28
SRFBP1	1.21	0.41	4.59	5.63	4.96	3.17	5.93
SRGAP1	-2.03	0.03	15.48	7.55	6.01	19.14	4.17
SRGAP2	-1.36	0.03	74.65	59.43	72.06	75.65	47.73
SRGAP3	-3.49	0.00	9.17	4.53	4.96	8.15	1.64
SRI	3.08	0.00	18.00	16.75	14.23	14.38	68.69
SRL	1.66	0.00	21.44	35.14	38.51	33.18	48.99
SRM	-2.97	0.00	43.12	42.82	41.25	28.65	10.73
SRMS	-2.23	0.00	2.41	4.12	3.26	3.40	1.26
SRP14	-1.16	0.39	25.80	30.75	22.32	22.54	22.98
SRP19	-1.25	0.22	22.82	22.65	23.63	15.51	17.30
SRP54	-1.38	0.03	44.61	45.98	60.44	43.37	32.20
SRP68	-1.21	0.19	68.69	73.57	70.76	59.57	56.19
SRP72	-1.01	0.99	84.29	122.16	98.95	75.53	110.61
SRP9	-1.07	0.70	15.02	18.26	18.54	17.55	14.90
SRPK1	-1.27	0.14	101.60	89.35	122.06	99.31	74.12
SRPK2	-1.27	0.11	90.13	83.45	100.91	80.63	71.09
SRPK3	-3.14	0.00	2.06	1.37	2.48	1.13	0.51
SRPRA	-1.30	0.11	123.73	165.53	154.70	121.40	108.46
SRPRB	-1.06	0.74	47.02	63.82	48.30	50.62	50.76
SRPX	-2.10	0.00	216.96	208.49	162.66	180.85	94.20
SRPX2	-2.42	0.00	130.04	158.81	123.89	187.42	48.87
SRR	1.03	0.89	4.47	5.63	6.40	3.85	5.43
SRRD	1.07	0.74	8.49	11.67	8.22	10.53	8.71
SRRM1	1.10	0.59	163.41	124.77	142.56	164.09	163.90
SRRM2	-1.18	0.34	1164.06	825.60	1020.35	1091.55	891.96
SRRM3	2.01	0.12	0.11	0.41	0.39	1.13	1.39
SRRT	-1.15	0.35	78.44	69.45	67.49	65.57	61.11
SRSF1	-1.66	0.00	430.72	319.53	308.87	296.24	139.40
SRSF10	-1.39	0.02	68.35	68.22	78.59	78.14	39.52
SRSF11	1.15	0.37	142.88	122.84	135.77	156.28	155.31
SRSF2	-1.60	0.00	338.63	277.67	301.82	297.26	158.21
SRSF3	-1.52	0.00	43.12	51.20	45.04	44.16	26.90
SRSF4	-1.33	0.05	181.87	144.53	149.34	158.31	103.03
SRSF5	1.09	0.72	109.86	71.65	87.99	123.55	105.05
SRSF6	-1.52	0.02	484.16	287.28	456.00	438.36	213.52
SRSF7	-1.25	0.13	83.83	89.90	87.99	90.59	56.44

SRSF9	-1.09	0.66	14.68	18.94	16.84	13.59	15.03
SRXN1	6.21	0.00	2.98	3.84	3.26	6.34	34.60
SS18	-1.21	0.20	135.09	112.41	119.45	124.11	95.08
SS18L1	-2.01	0.00	13.99	12.35	12.53	10.19	4.92
SS18L2	-1.03	0.92	6.42	5.08	6.53	5.21	6.06
SSB	1.01	0.97	26.03	29.51	30.81	27.52	27.40
SSBP1	-1.18	0.39	9.29	10.98	12.79	11.89	10.35
SSBP2	-1.34	0.07	82.22	97.45	85.77	100.56	55.43
SSBP3	-1.32	0.07	39.45	50.37	39.69	45.30	25.00
SSBP4	1.32	0.13	26.60	29.24	18.41	40.43	33.71
SSC5D	-2.17	0.01	16.05	12.08	8.62	26.84	4.80
SSFA2	-1.00	0.99	145.18	300.18	185.64	168.62	283.72
SSH1	-1.01	0.95	53.90	54.22	42.82	50.39	48.36
SSH2	2.83	0.00	24.20	23.61	22.06	17.44	85.99
SSH3	1.03	0.84	40.25	37.06	35.64	40.88	42.30
SSNA1	-1.23	0.21	16.51	19.90	16.19	18.01	12.00
SSPN	1.13	0.51	13.07	15.92	15.01	15.40	18.81
SSR1	-1.67	0.00	575.55	649.91	662.65	539.83	360.37
SSR2	1.09	0.60	192.54	290.57	222.58	190.14	259.61
SSR3	-1.12	0.54	89.68	111.45	111.49	84.37	94.95
SSR4	-1.00	0.96	198.96	296.47	259.26	186.51	249.63
SSRP1	-1.04	0.83	116.28	125.86	108.35	105.09	104.80
SSSCA1	-1.18	0.50	7.45	11.53	9.14	7.36	5.68
SSTR5	1.46	0.22	1.26	3.16	1.70	1.93	3.54
SSU72	1.18	0.33	9.98	16.75	14.10	12.46	16.54
SSX2IP	1.03	0.92	15.25	19.49	15.67	16.53	22.22
ST13	-1.35	0.05	175.57	182.96	228.85	162.62	128.67
ST3GAL1	3.43	0.00	2.06	3.71	2.87	4.64	11.87
ST3GAL2	-1.48	0.01	29.70	35.69	27.02	39.30	16.54
ST3GAL3	-1.25	0.14	92.08	104.18	82.24	90.93	63.64
ST3GAL4	1.98	0.00	11.81	18.94	11.88	21.63	28.92
ST3GAL5	1.06	0.95	2.18	1.10	1.57	2.26	3.03
ST3GAL6	1.09	0.71	79.58	79.20	68.01	98.63	110.86
ST5	1.54	0.03	19.04	25.80	18.15	18.57	42.43
ST6GAL1	1.58	0.02	19.15	27.18	16.97	24.69	40.66
ST6GAL2	-83.16	0.00	1.26	0.00	1.44	2.04	0.00
ST6GALNAC2	1.36	0.42	0.46	0.82	1.70	1.59	1.64
ST6GALNAC3	-2.36	0.04	1.83	0.82	1.57	1.59	0.25
ST6GALNAC4	-1.18	0.44	18.35	31.71	21.80	26.73	21.84
ST6GALNAC6	1.49	0.01	24.43	28.27	24.80	35.78	50.63
ST7	1.25	0.26	9.98	8.92	7.70	8.27	10.10
ST7L	-1.28	0.11	24.66	19.22	23.76	25.93	19.32
ST8SIA1	-2.30	0.02	2.29	2.75	1.44	3.74	0.63
ST8SIA4	1.50	0.36	1.72	1.65	2.74	3.85	1.89
ST8SIA5	-1.70	0.01	16.86	32.26	23.24	17.21	13.01
STAB1	-1.49	0.21	4.70	5.22	6.01	2.72	2.65
STAC	1.50	0.25	0.00	0.55	2.09	0.11	0.51

STAC2	1.93	0.04	8.14	7.69	4.44	3.74	14.39
STAC3	-1.49	0.28	2.98	1.65	1.57	3.06	1.14
STAG1	-1.05	0.76	49.65	46.12	48.17	57.07	49.50
STAG2	1.14	0.42	118.00	101.30	125.19	131.36	126.52
STAM	1.30	0.09	14.33	14.69	11.49	14.50	17.42
STAM2	-1.08	0.75	20.18	15.92	26.50	18.23	18.81
STAMBPP	1.14	0.46	12.73	16.33	14.62	13.14	16.29
STAMBPL1	1.33	0.20	3.78	5.63	6.53	5.55	6.82
STAP1	-2.10	0.04	1.49	1.24	1.70	1.81	1.01
STAR	7.39	0.00	3.90	2.06	4.31	4.08	21.47
STARD10	-1.04	1.00	2.87	3.71	1.70	5.10	3.79
STARD13	1.16	0.36	85.66	79.06	79.50	85.27	91.92
STARD3	1.44	0.01	18.81	19.90	16.45	19.25	28.54
STARD3NL	-1.08	0.71	9.29	10.16	9.66	10.19	8.97
STARD4	-1.33	0.44	17.20	15.10	30.16	8.72	9.60
STARD5	-1.03	0.95	2.41	1.65	2.48	3.17	2.40
STARD7	-1.22	0.19	56.08	59.98	57.96	76.67	53.16
STARD8	1.10	0.90	2.41	1.51	2.87	3.40	3.41
STARD9	-1.24	0.34	22.48	12.76	18.28	23.78	15.40
STAT1	-1.17	0.54	161.92	198.06	136.29	265.33	132.58
STAT2	1.05	0.74	38.19	31.98	36.55	35.56	39.02
STAT3	2.34	0.00	77.29	95.39	103.65	123.43	230.44
STAT4	1.14	0.73	3.55	3.29	3.26	2.15	5.05
STAT5A	2.35	0.00	11.35	9.75	9.40	14.61	29.29
STAT5B	1.35	0.03	16.28	17.71	15.27	16.87	21.84
STAT6	4.89	0.00	22.25	17.84	17.62	27.63	125.38
STAU1	1.13	0.44	93.57	88.26	81.59	94.78	105.56
STAU2	-1.86	0.00	10.78	6.18	12.40	9.29	5.56
STBD1	2.28	0.00	19.95	24.71	24.15	25.14	57.58
STC1	-2.22	0.03	18.81	7.00	6.40	10.64	1.77
STC2	-1.78	0.10	4.47	7.69	13.05	4.87	3.03
STEAP1	-2.06	0.00	58.83	61.77	82.64	54.13	43.44
STEAP2	-1.60	0.00	61.58	51.75	73.37	54.02	51.26
STEAP3	8.78	0.00	20.76	21.27	18.67	32.73	173.62
STEAP4	90.12	0.00	1.95	2.20	0.52	0.34	249.63
STIL	-2.56	0.00	14.68	16.20	17.88	14.61	3.03
STIM1	1.31	0.10	12.96	15.78	12.40	16.65	17.42
STIM2	-1.64	0.00	38.65	48.04	38.38	41.67	23.23
STIP1	1.01	0.97	19.61	26.49	22.45	22.20	21.34
STK10	-1.37	0.14	257.33	419.32	216.58	321.72	239.28
STK11	1.05	0.80	30.62	24.43	29.37	27.86	24.87
STK11IP	1.11	0.59	10.44	12.49	11.23	15.17	13.51
STK16	1.13	0.54	13.99	15.92	13.05	15.51	19.70
STK17A	1.13	0.78	1.72	2.06	1.44	1.70	2.78
STK17B	-1.80	0.01	10.32	11.39	9.27	7.02	4.42
STK19	1.51	0.03	37.50	27.59	31.20	41.22	40.03
STK24	1.21	0.26	23.05	26.22	26.37	22.42	36.11

STK25	-1.05	0.79	26.26	29.10	21.54	27.07	21.59
STK26	-1.07	0.69	573.60	682.17	553.38	814.33	418.96
STK3	1.09	0.66	16.86	18.12	19.19	16.42	18.69
STK32B	2.32	0.02	1.61	0.41	0.13	4.19	5.30
STK32C	-1.97	0.06	4.47	2.75	2.61	1.81	1.01
STK33	-1.48	0.29	5.16	5.76	1.96	3.85	3.54
STK35	-1.26	0.35	10.44	5.49	8.75	8.61	7.07
STK36	1.42	0.04	13.07	9.75	7.31	12.23	15.53
STK38	1.39	0.03	19.95	20.45	22.19	22.99	34.47
STK38L	3.77	0.00	43.46	62.18	39.82	78.36	233.97
STK39	-1.12	0.82	5.85	5.22	10.05	4.30	5.68
STK4	1.15	0.76	7.57	33.35	25.72	14.27	7.32
STK40	2.50	0.00	10.44	12.08	7.31	13.25	26.90
STKLD1	-2.57	0.00	3.78	2.75	3.66	2.49	1.14
STMN1	-2.59	0.00	205.84	265.73	193.60	155.94	71.22
STOM	1.41	0.03	23.05	24.98	22.98	26.50	40.91
STOML1	1.07	0.76	7.34	7.82	5.48	8.95	7.07
STOML2	-1.10	0.62	37.04	55.73	48.30	45.86	41.67
STON1	-2.51	0.00	98.85	78.24	96.47	58.43	33.46
STOX2	-1.70	0.00	31.88	21.27	33.03	17.67	15.03
STRAD13	-1.44	0.07	6.88	7.55	7.44	6.12	4.80
STRAD6	75.32	0.00	0.23	0.14	0.26	0.23	32.58
STRADA	-1.14	0.44	30.50	24.71	26.89	33.86	27.40
STRADB	1.01	0.96	4.70	3.16	5.61	6.23	6.06
STRAP	-1.06	0.71	53.09	57.10	54.31	54.58	50.13
STRBP	-1.52	0.00	30.85	25.12	29.24	25.14	21.21
STRC	14.91	0.00	0.11	0.27	0.00	0.34	4.67
STRIP1	1.00	1.00	14.33	11.94	10.18	14.83	15.66
STRIP2	-3.38	0.00	11.93	9.61	10.97	7.36	2.90
STRN	-1.04	0.86	32.68	25.53	28.07	32.84	28.92
STRN3	-1.04	0.81	45.30	53.26	52.22	57.64	44.95
STRN4	1.04	0.79	43.92	50.37	44.52	56.96	54.42
STS	1.77	0.30	1.61	1.78	1.44	2.83	2.65
STT3A	-1.31	0.06	244.14	271.49	299.86	264.54	184.98
STT3B	-1.25	0.14	180.15	202.04	186.03	196.14	149.12
STUB1	1.24	0.16	14.56	15.92	14.88	14.61	20.83
STX10	1.05	0.91	13.99	11.53	11.62	11.78	10.61
STX12	-1.02	0.87	29.59	29.37	32.51	26.61	32.70
STX16	-1.43	0.03	117.54	98.41	76.50	87.31	53.16
STX17	1.35	0.07	10.21	9.33	12.27	13.82	15.78
STX18	-1.31	0.39	6.54	8.78	16.19	8.15	6.44
STX1A	2.44	0.01	2.64	2.20	2.22	3.17	9.85
STX1B	-2.95	0.00	3.78	1.51	2.09	2.49	0.63
STX2	-1.18	0.41	68.92	92.79	108.61	69.42	77.15
STX3	1.08	0.79	2.41	1.78	3.39	1.25	2.65
STX4	1.59	0.00	26.95	32.67	33.03	30.46	55.94
STX5	-1.36	0.03	32.80	38.57	35.64	29.22	25.00

STX6	1.98	0.00	36.70	36.51	35.77	33.18	84.60
STX7	1.50	0.00	41.97	41.86	46.74	49.15	72.23
STX8	1.29	0.20	5.39	6.73	7.05	7.81	8.84
STXBP1	-1.76	0.00	108.94	98.82	106.79	104.07	61.11
STXBP2	1.74	0.00	12.73	13.86	10.31	10.42	23.11
STXBP3	1.18	0.25	49.77	40.77	49.74	46.20	53.92
STXBP4	-1.48	0.02	11.01	9.75	10.84	11.21	7.07
STXBP5	-1.43	0.05	30.73	22.10	30.94	18.35	20.71
STXBP6	1.23	0.49	17.77	17.29	19.58	14.04	26.14
STYX	-1.00	0.99	9.98	13.59	11.49	15.63	14.02
STYXL1	-1.79	0.19	0.80	1.51	0.91	1.02	0.63
SUB1	-1.09	0.68	75.69	88.39	109.14	84.71	71.22
SUCLA2	-1.26	0.10	35.09	34.18	35.77	30.01	24.87
SUCLG1	-1.06	0.80	31.88	35.69	45.95	30.80	31.06
SUCLG2	1.23	0.16	41.97	55.18	45.43	45.98	59.09
SUCO	-1.53	0.00	164.90	152.77	173.63	157.52	100.89
SUDS3	-1.63	0.00	43.92	44.20	40.08	39.07	21.34
SUFU	1.05	0.83	5.50	7.27	5.09	6.91	5.93
SUGCT	1.07	0.92	1.72	3.02	3.26	3.28	3.91
SUGP1	-1.00	0.99	29.70	24.02	26.24	25.59	28.16
SUGP2	-2.13	0.00	203.20	168.28	203.52	191.04	63.64
SUGT1	1.02	0.89	14.79	21.14	18.28	16.87	16.41
SULF1	20.11	0.00	13.76	17.29	15.14	22.42	459.99
SULF2	-1.77	0.00	330.95	299.08	238.77	394.99	143.19
SULT1A1	3.35	0.00	16.51	8.24	8.09	14.38	25.88
SUMF1	-1.28	0.13	67.20	94.30	64.62	77.57	48.99
SUMF2	-1.32	0.13	13.19	16.20	14.62	13.02	12.75
SUMO1	-1.02	0.94	18.23	20.04	20.23	19.93	18.94
SUMO2_1	-1.19	0.32	18.58	25.12	20.23	25.14	19.57
SUMO3	-1.07	0.74	84.40	102.39	77.67	100.11	71.47
SUN1	-1.41	0.05	171.21	200.81	117.75	156.50	108.84
SUN2	-1.15	0.41	180.50	196.96	151.96	148.35	128.92
SUOX	-1.17	0.34	20.18	19.35	24.02	19.02	18.56
SUPT16H	-1.33	0.04	133.94	139.04	124.02	125.02	88.39
SUPT20H	-1.08	0.62	38.87	36.78	42.04	45.52	31.19
SUPT3H	-1.59	0.02	10.32	18.94	15.80	12.57	6.82
SUPT4H1	-1.01	0.99	4.01	5.63	4.57	3.06	3.79
SUPT5H	1.21	0.23	79.47	72.20	72.19	86.18	86.49
SUPT6H	-1.14	0.47	199.99	160.18	194.12	149.93	128.16
SUPT7L	-1.03	0.87	10.66	12.49	12.92	10.76	10.61
SUPV3L1	-1.09	0.67	18.58	19.08	15.40	14.27	17.80
SURF1	-1.10	0.67	12.84	14.00	9.40	10.42	11.49
SURF2	-1.04	0.91	3.78	3.57	3.00	2.60	2.40
SURF4	-1.43	0.01	263.06	253.79	214.62	222.07	163.01
SURF6	-1.27	0.17	19.27	23.06	18.15	15.06	14.90
SUSD1	39.55	0.00	0.00	0.14	0.00	0.23	4.67
SUSD2	1.54	0.17	1.61	1.65	1.17	1.47	2.40

SUSD4	4.24	0.00	1.26	0.41	1.70	1.13	4.17
SUSD5	-2.87	0.00	1785.48	1789.28	1057.42	937.31	269.33
SUSD6	2.82	0.00	25.23	32.39	28.98	36.24	89.65
SUV39H1	-2.42	0.00	58.37	124.49	75.46	56.28	33.33
SUV39H2	1.02	0.90	8.60	9.33	12.14	7.93	10.10
SUZ12	-1.33	0.03	60.55	50.65	54.44	60.02	41.29
SV2A	1.37	0.40	1.95	2.20	3.66	2.38	3.16
SVBP	-1.68	0.01	13.19	20.18	13.45	11.55	7.83
SVIL	1.34	0.12	20.53	12.22	14.62	23.10	29.80
SWAP70	1.22	0.21	194.83	234.57	213.44	218.79	262.51
SWI5	-1.19	0.33	22.48	28.82	32.38	21.74	21.21
SWSAP1	1.08	0.81	4.47	4.25	3.00	4.76	3.79
SWT1	1.67	0.00	9.29	7.55	9.92	12.34	17.17
SYAP1	1.27	0.12	23.16	33.35	22.45	22.42	35.61
SYBU	1.73	0.06	19.15	13.86	15.40	21.86	53.79
SYCE1L	1.15	0.62	3.44	2.61	4.57	3.51	3.66
SYCE2	-2.71	0.00	4.01	5.22	3.92	2.72	0.76
SYCP3	-1.03	0.90	0.80	0.69	1.31	1.02	0.88
SYDE1	1.32	0.04	34.40	29.78	30.68	30.24	41.42
SYDE2	-3.21	0.00	10.09	6.59	11.75	8.61	3.79
SYF2	1.37	0.06	11.81	13.31	9.27	14.95	16.54
SYK	2.01	0.02	2.52	0.69	1.96	1.25	4.04
SYMPK	1.34	0.04	38.76	37.06	39.95	42.13	58.21
SYN1	5.54	0.00	0.34	0.14	0.00	0.45	1.39
SYN3	1.68	0.32	0.80	0.96	0.39	0.91	1.26
SYNC	-1.65	0.08	4.47	4.39	8.62	7.02	4.29
SYNCRIP	-1.12	0.47	159.51	161.96	174.80	161.71	142.56
SYNDIG1	2.00	0.19	0.92	0.27	4.44	0.34	5.05
SYNE1	1.07	0.72	152.75	121.61	133.68	151.75	162.00
SYNE2	-1.78	0.00	218.68	137.26	139.95	209.73	105.56
SYNE3	-1.04	0.91	24.43	16.75	18.80	15.85	21.59
SYNGAP1	1.43	0.02	20.87	12.76	19.32	17.89	25.00
SYNGR2	2.50	0.02	0.11	0.96	1.31	0.79	1.39
SYNJ1	1.65	0.01	37.15	39.39	32.90	32.95	89.27
SYNJ2	1.64	0.01	6.88	5.63	5.22	4.42	8.59
SYNJ2BP	-1.02	0.96	13.19	12.49	12.66	10.19	12.63
SYNM	-1.49	0.00	34.17	30.61	30.42	31.82	23.23
SYNPO	1.03	0.84	187.84	217.41	146.34	216.29	182.20
SYNPR	-2.68	0.03	1.26	3.02	1.44	1.13	0.00
SYNRG	-1.33	0.09	29.13	20.04	22.58	20.16	17.17
SYPL1	1.13	0.47	101.72	137.12	108.61	113.58	130.31
SYS1	1.48	0.08	2.98	3.71	3.52	3.62	5.81
SYT11	2.83	0.00	5.96	5.22	9.92	7.13	23.49
SYT15	4.34	0.00	0.34	0.41	0.00	0.68	1.64
SYT17	-1.97	0.04	3.10	3.02	2.48	5.66	1.14
SYT3	-1.17	0.57	1.15	0.69	1.57	1.81	0.38
SYT4	1.53	0.07	33.48	35.14	26.63	18.23	60.36

SYT5	-1.53	0.10	4.47	5.49	4.83	3.28	3.16
SYT7	8.79	0.00	0.46	0.41	0.13	0.00	2.65
SYT8	-3.15	0.00	376.59	181.86	236.42	135.10	41.29
SYT9	-3.47	0.00	8.37	13.86	9.27	5.66	2.40
SYTL1	1.27	0.41	3.44	2.75	2.87	3.85	4.04
SYTL2	-4.02	0.00	118.92	139.45	131.72	95.24	15.53
SYTL4	1.19	0.33	11.93	8.51	10.84	10.87	11.11
SYVN1	-1.15	0.40	25.80	23.06	28.33	31.48	23.36
SZRD1	-1.37	0.09	13.88	23.61	17.62	15.06	13.51
SZT2	-1.01	0.96	80.27	65.06	75.59	80.63	70.71
TAB1	-1.07	0.66	31.65	33.49	28.59	33.18	24.87
TAB2	1.25	0.13	92.54	110.35	85.12	92.97	116.67
TAB3	-1.07	0.92	3.10	1.24	2.87	2.83	2.53
TACC1	1.42	0.01	64.33	64.10	67.88	68.40	96.72
TACC2	-1.06	0.89	44.38	44.47	32.11	87.08	34.98
TACC3	-2.86	0.00	120.18	112.96	91.64	87.08	30.56
TACO1	-1.35	0.25	4.01	3.02	3.79	3.85	2.65
TACR2	8.49	0.00	0.23	0.14	0.52	0.23	3.28
TADA1	1.02	0.91	20.99	20.86	24.15	26.05	25.63
TADA2A	1.12	0.53	13.65	17.71	18.54	21.86	19.32
TADA2B	-1.21	0.28	22.82	19.76	23.11	16.65	20.20
TADA3	1.22	0.17	51.60	45.16	44.91	45.30	54.30
TAF1	-1.37	0.06	164.44	112.82	149.48	121.51	85.61
TAF10	1.22	0.24	26.95	42.00	32.77	26.95	46.85
TAF11	1.10	0.67	9.52	10.29	12.92	9.74	12.12
TAF12	-1.10	0.69	5.73	5.35	5.74	6.45	5.43
TAF13	-1.30	0.08	21.44	25.12	27.41	22.88	20.96
TAF15	-1.54	0.03	177.06	189.55	106.66	105.54	100.13
TAF1A	1.22	0.22	18.35	12.63	20.76	19.48	20.33
TAF1B	-1.19	0.41	11.47	7.96	10.05	11.21	8.21
TAF1C	1.13	0.55	11.70	9.20	9.79	13.02	11.62
TAF1D	1.03	0.98	24.43	23.06	32.38	29.78	28.41
TAF2	-1.03	0.88	67.43	55.18	59.27	76.10	63.39
TAF3	1.11	0.60	8.26	12.63	10.44	9.85	11.36
TAF4	1.03	0.88	20.64	31.16	23.63	32.39	22.22
TAF4B	1.67	0.14	8.94	5.63	5.74	4.19	14.14
TAF5	-1.80	0.00	16.51	15.37	11.10	15.06	7.83
TAF5L	-1.15	0.54	34.75	21.41	37.99	27.97	28.03
TAF6	-1.08	0.65	35.09	28.41	27.81	32.73	38.26
TAF6L	1.14	0.52	7.80	7.27	7.70	7.70	7.83
TAF7	1.49	0.00	37.50	36.51	39.56	43.94	56.32
TAF8	-1.04	0.87	26.83	23.47	23.37	30.24	25.76
TAF9	-1.38	0.40	2.41	1.78	1.31	1.81	0.51
TAF9B	-1.32	0.44	6.08	2.33	4.18	4.19	3.54
TAGLN	-2.33	0.05	8.72	18.12	20.63	3.85	5.68
TAGLN2	1.87	0.00	18.92	40.90	19.97	51.30	55.81
TALDO1	1.28	0.12	49.77	70.28	57.83	63.87	94.83

TAMM41	-1.01	0.99	4.93	4.67	4.18	8.15	6.44
TANC1	1.75	0.00	54.81	41.86	45.82	53.90	109.35
TANC2	1.25	0.23	27.75	29.37	26.76	16.76	38.13
TANGO2_1	1.48	0.36	1.15	0.69	0.65	0.68	1.39
TANGO2_2	1.66	0.15	1.49	1.65	0.91	2.04	2.15
TANGO6	-1.03	0.90	15.25	12.76	13.58	15.17	13.38
TANK	1.10	0.67	19.84	18.67	19.97	17.55	26.39
TAOK1	-1.19	0.25	26.38	24.16	25.72	30.12	24.87
TAOK2	-1.29	0.06	70.41	62.31	61.23	66.13	46.47
TAOK3	-1.17	0.31	33.71	31.16	30.16	34.09	23.61
TAP1	10.53	0.00	0.46	0.14	0.78	0.45	6.94
TAP2	3.02	0.00	2.41	2.06	1.83	2.38	6.31
TAPBP	2.16	0.00	80.04	72.61	68.01	81.65	197.61
TAPBPL	1.79	0.00	6.19	8.92	4.70	6.91	13.64
TAPT1	-1.12	0.45	25.80	27.59	26.63	28.76	27.53
TARBP1	1.07	0.73	58.71	43.51	52.35	55.15	59.47
TARBP2	-1.24	0.22	15.02	16.88	16.06	13.93	11.87
TARDBP	-1.37	0.03	55.62	44.47	55.87	47.56	27.02
TARS	1.46	0.01	62.84	71.24	73.76	67.95	114.02
TARS2	2.03	0.00	15.48	13.04	15.80	15.40	28.54
TASP1	-1.00	1.00	35.32	25.94	29.11	31.93	26.26
TATDN1	1.46	0.01	16.51	20.18	21.93	20.95	26.77
TATDN2	-1.74	0.00	25.11	18.67	25.59	16.87	10.61
TATDN3	-1.19	0.38	21.33	14.69	15.53	21.18	15.28
TAX1BP1	1.49	0.00	82.91	73.16	89.16	94.10	131.70
TAX1BP3	1.30	0.16	15.94	11.80	10.84	10.64	16.29
TAZ	-1.19	0.30	26.03	26.35	27.94	24.91	26.90
TBC1D1	-1.42	0.03	192.65	263.26	241.77	175.07	159.48
TBC1D10A	1.79	0.00	15.02	18.39	15.01	14.61	28.92
TBC1D10B	1.06	0.70	41.28	43.51	37.47	37.14	44.70
TBC1D12	-1.07	0.74	22.82	17.98	24.15	25.37	24.75
TBC1D13	1.12	0.48	22.93	20.18	22.06	23.21	25.76
TBC1D14	1.21	0.26	57.11	46.12	47.52	39.18	64.40
TBC1D15	1.21	0.15	36.35	32.53	36.42	37.48	43.94
TBC1D16	2.39	0.00	16.97	10.98	12.79	13.36	39.52
TBC1D17	2.47	0.00	10.44	8.78	7.18	9.51	27.78
TBC1D19	-1.20	0.34	11.35	9.06	9.66	11.89	9.72
TBC1D2	1.47	0.15	5.96	4.67	6.14	5.32	12.75
TBC1D20	-1.77	0.00	87.27	79.47	81.85	84.37	38.13
TBC1D22A	1.75	0.00	11.58	14.27	10.84	13.02	26.64
TBC1D22B	-1.01	0.99	11.81	10.57	9.92	8.27	8.97
TBC1D23	-1.07	0.71	70.64	78.79	84.46	93.65	65.03
TBC1D24	1.10	0.64	13.19	11.80	9.14	12.57	13.13
TBC1D25	-1.01	0.97	7.91	7.41	9.01	7.25	7.58
TBC1D2B	1.88	0.00	28.32	26.49	33.03	28.42	49.88
TBC1D30	-1.73	0.04	5.85	3.98	5.35	3.51	2.02
TBC1D31	-1.57	0.04	10.21	5.63	9.79	9.17	4.67

TBC1D32	-1.07	0.68	22.93	20.18	18.41	22.20	25.88
TBC1D4	1.06	0.78	24.31	16.75	23.37	31.14	27.27
TBC1D5	1.01	0.97	17.55	25.39	18.15	21.18	19.57
TBC1D7	1.02	0.94	9.98	12.49	13.84	14.04	11.36
TBC1D8	1.63	0.07	3.10	1.24	3.66	2.49	3.54
TBC1D8B	-1.84	0.00	62.15	80.16	65.14	60.70	27.91
TBC1D9	4.22	0.00	9.63	12.76	15.14	8.27	69.45
TBC1D9B	1.02	0.93	98.62	102.12	103.39	110.30	99.63
TBCA	1.09	0.64	15.71	27.59	17.10	18.46	23.11
TBCB	-1.32	0.05	26.72	24.98	25.33	23.21	20.83
TBCC	1.04	0.82	19.04	27.73	27.81	20.61	22.10
TBCCD1	-1.28	0.12	27.98	26.77	26.76	28.88	15.03
TBCD	-1.10	0.53	27.87	29.37	27.68	26.61	26.39
TBCE	-1.01	0.97	9.29	10.98	10.97	10.31	9.09
TBCEL	1.04	0.82	21.10	15.24	19.19	23.44	20.33
TBCK	-1.70	0.00	20.30	21.27	23.11	20.50	11.74
TBK1	1.70	0.00	20.64	18.94	20.63	18.01	39.40
TBKBP1	2.25	0.00	26.72	26.90	24.80	34.43	68.56
TBL1X	1.89	0.42	0.92	0.00	1.31	2.38	2.27
TBL1XR1	1.05	0.75	60.32	58.20	53.52	62.74	56.44
TBL2	-1.43	0.01	29.47	32.26	31.46	27.63	21.97
TBL3	1.26	0.22	13.65	11.26	10.18	9.51	13.01
TBP	-1.31	0.09	13.88	13.73	12.79	12.34	10.10
TBPL1	1.21	0.34	7.00	8.92	8.49	8.72	10.73
TBRG1	1.13	0.57	11.24	14.41	13.97	15.17	19.82
TBRG4	1.27	0.17	14.33	14.27	11.49	10.98	19.19
TBX10	-1.68	0.42	0.69	3.02	0.78	3.74	0.38
TBX15	-1.45	0.02	19.95	15.37	22.98	19.25	12.12
TBX18	1.12	0.63	5.05	5.35	3.13	13.48	6.06
TBX19	-1.67	0.13	6.19	2.20	5.61	4.53	2.78
TBX2	1.16	0.75	0.46	0.41	0.91	1.59	0.63
TBX3	2.22	0.00	17.55	13.31	15.40	12.34	40.66
TBX4	-1.51	0.01	56.65	41.73	45.82	58.89	28.92
TBX5	-3.41	0.00	28.67	15.51	24.93	24.23	5.18
TBX6	-1.34	0.45	1.15	1.24	0.65	1.36	0.51
TC2N	1.89	0.00	12.16	9.88	9.40	17.67	22.22
TCAF1	-1.44	0.01	173.50	170.47	204.70	208.48	107.45
TCAF2	1.44	0.10	12.38	7.82	8.49	12.00	13.13
TCAIM	1.96	0.05	3.33	2.33	2.48	3.74	9.22
TCAP	1.32	0.27	5.85	2.20	3.79	3.06	4.67
TCEA1	-1.17	0.24	49.77	50.24	54.96	48.47	44.19
TCEA2	-1.81	0.00	22.25	25.12	26.50	20.38	10.99
TCEA3	-1.32	0.04	80.73	84.41	76.24	77.46	54.17
TCEAL1	1.15	0.44	17.09	22.37	19.19	15.74	22.98
TCEAL4	-1.03	0.86	18.58	20.59	21.54	23.44	22.48
TCEAL8	-1.70	0.00	53.09	66.98	55.87	53.34	30.05
TCEANC	1.07	0.84	2.64	2.47	2.09	2.94	2.40

TCEANC2	1.08	0.71	10.55	10.43	8.75	8.61	11.62
TCEB1	-1.39	0.06	99.88	142.61	112.53	84.14	89.27
TCEB2	-1.42	0.09	12.04	17.02	10.97	9.85	10.10
TCEB3	1.18	0.31	15.37	14.69	11.62	13.36	15.53
TCERG1	-1.15	0.38	85.55	71.92	86.68	82.21	69.45
TCF12	-1.07	0.71	99.88	90.73	96.47	99.77	87.76
TCF19	-4.44	0.00	44.84	50.37	41.51	34.65	4.04
TCF20	-1.13	0.45	128.32	102.26	118.41	112.45	114.27
TCF25	1.32	0.04	68.00	71.10	62.66	64.66	92.81
TCF3	-1.20	0.21	34.63	33.08	31.33	34.31	24.87
TCF4	-1.14	0.51	140.71	114.75	96.73	90.03	83.84
TCF7	5.79	0.00	4.47	6.04	1.96	12.34	40.66
TCF7L1	-2.19	0.00	87.38	77.69	69.58	81.31	28.16
TCF7L2	-1.46	0.04	100.91	85.37	97.91	74.29	46.97
TCFL5	-1.45	0.01	29.93	24.29	27.41	23.67	16.54
TCHP	1.13	0.48	11.12	11.80	13.97	11.89	12.88
TCIRG1	3.13	0.00	20.30	15.65	19.71	26.84	70.08
TCN2	1.19	0.40	126.49	191.34	116.58	141.10	166.42
TCOF1	1.13	0.43	29.82	38.29	31.07	31.03	32.83
TCP1	-1.04	0.85	94.15	112.69	108.22	93.43	99.37
TCP11	1.04	0.95	1.15	1.37	1.17	2.15	2.15
TCP11L1	-1.71	0.00	22.48	19.63	21.15	15.85	12.50
TCP11L2	3.19	0.00	6.19	5.90	5.48	10.42	28.66
TCTA	-1.37	0.04	29.59	33.35	28.85	24.46	22.35
TCTEX1D2	1.91	0.01	4.01	5.08	2.22	4.53	10.61
TCTN1	-1.08	0.61	40.37	52.84	41.91	43.49	54.04
TCTN2	-1.01	0.98	30.73	20.73	19.06	28.20	26.14
TCTN3	-1.15	0.55	16.97	11.39	10.57	12.34	13.01
TDG	1.15	0.34	26.26	27.31	32.64	27.86	32.45
TDH	14.62	0.00	0.80	0.27	0.52	0.45	10.73
TDP1	-1.59	0.01	13.30	12.90	11.49	9.74	8.46
TDP2	1.59	0.01	8.37	8.37	8.88	10.19	16.92
TDRD12	-1.65	0.19	8.94	2.61	7.05	5.55	1.89
TDRD3	1.19	0.35	13.88	13.04	10.31	13.36	13.64
TDRD6	-2.94	0.00	13.42	14.69	12.66	6.45	2.65
TDRD7	1.59	0.07	10.66	3.71	6.92	5.55	14.02
TDRD9	1.59	0.00	8.26	7.55	10.05	10.53	13.38
TDRP	1.59	0.00	10.89	17.84	15.93	14.72	22.48
TEAD1	-1.06	0.81	172.13	136.98	127.28	104.75	142.56
TEAD2	-1.13	0.47	23.74	20.59	20.89	19.14	15.53
TEAD3	1.38	0.08	16.17	17.29	14.36	17.55	27.02
TEAD4	2.01	0.00	17.66	31.16	15.80	25.93	58.08
TECPR2	-1.52	0.00	24.31	25.53	22.32	20.04	14.14
TECR	1.12	0.47	38.53	51.88	39.82	30.46	46.34
TEF	-1.03	0.90	70.18	76.86	60.31	64.32	62.50
TEFM	1.09	0.81	4.01	4.94	3.92	3.96	3.41
TEK	1.26	0.39	5.16	5.08	6.40	6.34	9.60

TEKT2	-1.24	0.40	5.16	3.98	5.09	5.55	3.16
TEKT3	1.82	0.17	0.69	0.27	0.91	0.79	0.88
TELO2	-1.01	0.98	7.34	4.67	6.14	8.61	4.92
TEN1	1.49	0.06	7.57	10.29	6.66	9.74	10.73
TENM1	-1.44	0.43	0.80	1.37	0.78	1.70	0.76
TENM2	-1.44	0.18	20.53	19.49	10.31	27.29	12.12
TENM3	-1.88	0.00	252.28	303.47	240.34	289.45	106.57
TENM4	11.54	0.00	9.40	12.90	7.70	18.12	159.48
TEP1	1.67	0.00	58.37	37.61	52.87	53.56	98.36
TERF1	-1.30	0.07	34.52	27.45	36.42	30.46	25.00
TERF2	-1.04	0.81	40.94	41.59	39.03	36.69	38.51
TERF2IP	-1.27	0.09	37.84	46.12	46.21	41.22	32.83
TES	-1.39	0.42	3.90	4.39	4.96	1.59	2.65
TESK1	1.28	0.10	30.62	28.27	27.94	27.74	39.52
TESK2	-1.43	0.05	16.74	12.63	22.72	16.65	11.62
TET1	-1.58	0.00	32.22	29.51	38.64	45.07	20.33
TET2	1.26	0.12	97.47	100.06	120.62	129.66	128.16
TET3	-1.33	0.23	10.66	6.04	7.31	8.95	6.82
TEX10	1.02	0.93	16.86	16.75	17.23	21.63	21.21
TEX14	-1.24	0.57	5.28	1.92	4.31	5.44	3.79
TEX2_1	-1.06	0.79	22.13	20.31	19.71	16.08	20.20
TEX2_2	-1.05	0.83	21.56	17.57	21.93	13.70	17.30
TEX22	-1.76	0.00	14.68	10.16	10.84	15.63	5.43
TEX261	1.01	0.96	25.00	31.29	22.32	24.23	22.60
TEX264	1.25	0.13	25.46	31.29	27.81	25.82	29.55
TEX30	-1.92	0.00	11.24	16.20	20.23	11.21	7.83
TEX9	1.17	0.57	3.67	3.84	3.00	3.85	3.66
TFAM	1.08	0.66	14.56	12.35	13.84	12.80	15.66
TFAP4	1.52	0.02	18.23	20.73	15.01	15.29	32.58
TFB1M	1.19	0.53	2.75	3.57	3.52	4.19	3.54
TFB2M	1.48	0.02	7.00	9.75	6.27	7.25	12.00
TFCP2	1.45	0.02	36.70	29.24	34.46	32.05	53.54
TFDP1	-1.37	0.01	55.50	50.92	56.40	52.88	42.17
TFDP2	1.18	0.44	10.89	8.37	9.01	10.19	11.62
TFE3	2.04	0.00	43.69	39.12	34.99	42.35	85.36
TFEB	2.40	0.00	5.28	5.49	4.83	5.10	13.76
TFG	-1.53	0.00	96.90	101.43	108.61	89.12	64.14
TFIP11	1.07	0.71	20.64	27.04	22.85	23.67	26.01
TFPI2	1.39	0.25	2.18	4.67	4.57	2.15	4.55
TFPT	-1.03	0.96	4.82	8.51	5.35	5.66	5.93
TFR2	1.78	0.46	1.15	0.55	0.91	0.68	1.64
TFRC	-1.77	0.02	471.89	595.01	390.72	281.30	147.61
TG_2	20.05	0.00	0.80	0.55	0.13	0.57	6.57
TGDS	-1.51	0.00	38.53	35.55	43.73	37.03	21.97
TGFA	-2.07	0.00	16.74	16.88	17.62	11.21	4.17
TGFB1	1.68	0.00	21.90	30.20	24.02	28.65	47.73
TGFB1I1	-1.16	0.38	39.91	33.22	37.34	30.46	36.11

TGFB2	-1.45	0.01	63.30	63.14	70.23	43.37	45.58
TGFB3	-1.02	1.00	38.30	35.14	31.07	54.36	41.79
TGFBI	-3.57	0.00	95.75	131.63	89.03	83.91	28.79
TGFBR1	1.72	0.00	43.81	40.63	33.68	55.83	81.95
TGFBR2	1.32	0.07	63.99	76.04	56.00	75.08	87.76
TGFBR3	1.72	0.00	97.36	80.98	81.85	196.14	197.61
TGFBR3L	-1.59	0.10	6.54	5.90	6.14	4.08	1.39
TGFBRAP1	1.42	0.07	11.58	10.57	7.57	9.85	17.68
TGIF1	1.97	0.00	27.29	39.67	24.41	40.54	70.84
TGIF2	-1.06	0.80	10.78	9.88	9.14	8.95	9.09
TGM2	1.67	0.10	8.03	11.39	3.26	19.70	13.13
TGOLN2	1.19	0.27	107.34	91.82	110.96	108.26	133.21
TGS1	1.17	0.38	19.15	17.43	22.72	20.95	25.88
THADA	1.61	0.00	30.27	29.78	34.86	30.80	60.10
THAP1	-1.31	0.32	3.10	3.02	3.26	3.40	2.78
THAP11	1.04	0.84	20.76	22.78	22.06	24.57	20.20
THAP2	1.25	0.12	18.92	19.76	20.23	21.74	22.35
THAP3	1.10	0.63	13.76	13.31	15.14	17.21	13.64
THAP4	-1.12	0.48	16.97	18.39	18.02	17.33	18.69
THAP5	1.08	0.77	19.15	14.14	14.49	11.89	15.03
THAP6	-1.23	0.41	4.82	8.24	7.70	6.91	6.19
THAP7	1.50	0.35	0.11	0.82	1.83	1.25	2.02
THAP8	1.05	0.83	6.65	8.65	5.35	7.25	7.20
THAP9	-1.23	0.24	20.18	16.06	22.45	20.84	13.01
THBD	41.24	0.00	1.61	2.75	1.83	1.47	77.53
THBS1	-11.06	0.00	4110.85	1569.94	7018.54	796.44	318.07
THBS2_2	-1.59	0.08	75.11	194.49	115.27	154.35	23.11
THBS3	-1.45	0.18	77.41	95.67	40.73	116.41	55.05
THBS4	-1.30	0.16	431.41	411.50	407.83	658.06	351.53
THEM4	2.31	0.00	1.83	2.33	4.31	3.96	7.70
THEM6	-3.62	0.00	5.39	7.14	4.05	4.42	0.51
THG1L	1.28	0.14	11.58	8.37	10.57	13.02	13.89
THNSL1	1.09	0.83	3.33	3.98	4.57	5.21	4.92
THNSL2	-1.01	0.96	8.03	7.41	9.14	8.38	6.94
THOC1	-1.12	0.46	48.16	41.18	48.17	49.94	34.60
THOC2	1.02	0.92	29.59	33.08	36.03	37.26	33.59
THOC3	1.10	0.65	8.60	8.78	7.57	7.25	7.95
THOC5	-1.16	0.33	33.48	35.55	31.46	31.93	25.25
THOC6	-1.01	0.94	8.37	11.53	5.22	7.25	7.07
THOC7	-1.44	0.75	3.78	4.39	0.26	0.23	2.02
THOP1	1.37	0.08	12.16	12.63	8.49	14.61	16.04
THPO	-2.53	0.00	6.08	4.12	6.53	6.45	2.02
THRA	-1.34	0.05	56.88	42.69	52.09	42.47	34.09
THRAP3	-1.14	0.44	337.03	279.45	263.70	255.93	224.88
THRBP	1.47	0.07	17.55	16.20	27.94	19.25	31.31
THRSP	-18.97	0.00	3.21	2.75	1.04	2.94	0.13
THSD1	1.39	0.49	0.34	0.96	3.00	1.93	3.66

THSD4	-1.48	0.46	8.26	9.20	1.96	12.80	4.92
THTPA	-1.29	0.35	10.44	5.63	10.44	7.25	4.92
THUMPD1	-1.04	0.85	11.93	12.76	13.71	15.29	13.01
THUMPD2	-1.12	0.72	6.65	4.12	4.83	7.13	5.30
THUMPD3	-1.14	0.45	21.90	20.86	24.80	18.91	18.94
THY1	-1.21	0.58	2.41	3.43	2.35	1.81	1.89
THYN1	-1.67	0.00	18.92	26.49	20.76	13.93	11.62
TIA1	-1.22	0.19	63.42	56.82	76.24	75.31	48.36
TIAL1	1.07	0.73	73.85	72.75	80.42	73.38	76.64
TIAM1	1.09	0.61	125.11	91.14	68.93	110.53	102.91
TIAM2	-1.47	0.01	113.64	113.65	124.54	128.53	58.97
TICAM1	1.79	0.00	8.72	7.55	7.83	6.45	13.64
TICAM2	2.04	0.00	9.29	8.65	10.70	9.29	19.70
TICRR	-1.38	0.13	20.64	24.29	14.36	21.86	16.54
TIE1	-1.07	0.80	1.49	1.65	4.70	2.72	0.38
TIFA	2.58	0.00	6.65	3.84	3.92	5.44	18.18
TIGAR	2.74	0.04	0.23	0.27	0.78	0.45	1.89
TIGD2	-1.02	0.94	12.84	9.88	11.62	9.29	10.61
TIGD5	-1.36	0.07	87.96	73.98	59.53	55.83	42.68
TIGD7	1.17	0.62	3.67	1.92	6.27	2.49	4.92
TIMELESS	-1.36	0.06	26.49	18.94	29.11	26.05	17.30
TIMM10	-1.05	0.85	6.88	9.06	6.92	9.17	8.33
TIMM10B	-1.37	0.20	5.73	5.35	4.31	5.21	2.78
TIMM13	1.57	0.00	11.93	18.12	16.45	14.50	28.92
TIMM17A	1.04	0.90	19.72	19.63	17.75	16.53	25.25
TIMM17B	1.37	0.13	5.62	8.24	4.83	7.81	9.60
TIMM21	-1.18	0.36	18.23	15.51	15.27	14.16	11.24
TIMM22	-1.28	0.33	6.54	6.59	6.79	4.42	3.54
TIMM23	-1.05	0.79	12.38	12.63	11.36	10.53	15.40
TIMM44	-1.15	0.49	11.81	15.78	18.67	18.23	14.14
TIMM50	-1.09	0.63	17.66	17.57	15.80	14.83	19.07
TIMM8A	-1.01	1.00	2.98	3.71	5.87	4.42	3.66
TIMM8B	1.19	0.35	9.63	14.82	8.75	7.25	12.12
TIMM9	1.10	0.63	8.14	8.10	10.18	7.93	10.35
TIMMD1C	1.21	0.32	7.11	7.96	10.97	12.00	11.49
TIMP1	4.94	0.00	7.91	13.59	9.14	15.85	68.56
TIMP2	1.47	0.01	111.12	89.63	90.73	115.96	152.91
TIMP3	2.09	0.00	30.27	42.14	25.72	29.67	42.17
TINAGL1	4.82	0.00	0.23	0.27	0.78	0.34	2.15
TINF2	-1.17	0.38	38.99	28.82	34.46	27.74	25.88
TIPARP	3.22	0.00	7.22	6.45	11.10	11.21	32.32
TIPIN	-1.43	0.01	25.92	26.77	25.98	27.97	18.56
TIPRL	-1.37	0.03	22.48	20.04	20.63	19.82	13.64
TIRAP	1.34	0.33	1.38	1.65	2.74	2.49	3.16
TJAP1	-1.08	0.72	54.24	39.67	38.12	38.62	37.38
TJP1	1.00	0.97	181.76	107.20	130.68	104.52	120.59
TJP2	1.32	0.08	23.74	22.10	28.59	24.57	38.01

TK1	-2.35	0.00	14.33	16.75	13.45	10.53	5.05
TK2	1.64	0.00	16.17	19.35	16.58	20.38	27.78
TKFC	-1.57	0.00	23.62	22.37	21.41	20.50	12.50
TKT	-1.07	0.81	139.33	157.57	169.45	100.22	149.25
TKTL1	-5.26	0.01	6.19	20.86	4.31	46.54	1.39
TKTL2	-1.68	0.19	1.26	1.51	1.44	1.02	0.38
TLCD1	1.64	0.03	3.33	3.43	2.87	4.53	5.05
TLDC1	1.18	0.33	24.31	16.20	20.76	24.12	26.39
TLE1	1.93	0.00	11.35	9.88	8.88	10.08	26.90
TLE2	1.22	0.46	4.47	5.08	1.83	5.66	4.80
TLE3	1.57	0.00	14.79	14.14	12.66	14.95	23.61
TLE4	1.43	0.04	29.24	16.88	25.33	16.87	34.72
TLK1	-1.03	0.85	91.74	78.92	83.03	80.97	78.03
TLK2	-1.03	0.88	25.57	24.02	26.11	22.76	23.86
TLL1	-2.65	0.00	7.22	2.47	5.87	9.51	3.03
TLN1	1.19	0.27	209.97	250.77	247.91	204.86	263.77
TLN2	1.54	0.06	5.50	5.22	8.09	6.91	6.82
TLR10	3.19	0.00	0.23	1.10	0.26	0.68	2.40
TLR2	160.66	0.00	1.61	1.92	0.52	1.93	425.40
TLR3	3.38	0.01	0.69	0.00	1.04	0.23	1.64
TLR4	6.14	0.00	2.18	2.33	0.91	1.47	9.72
TLR6	2.29	0.00	9.29	7.55	7.57	9.06	22.60
TLR7	1.26	0.56	1.49	0.27	0.52	1.25	0.76
TM2D1	1.12	0.54	13.99	17.84	12.53	16.31	15.66
TM2D2	1.16	0.38	13.99	17.71	15.67	15.51	17.17
TM2D3	1.60	0.03	2.75	5.08	4.05	4.87	6.31
TM4SF1	-1.15	0.41	116.97	136.43	122.19	102.94	119.32
TM6SF1	1.13	0.72	13.65	14.69	13.32	13.36	18.18
TM7SF2	1.37	0.30	6.19	3.16	4.83	3.62	4.67
TM7SF3	1.67	0.00	36.12	39.26	40.08	45.64	64.78
TM9SF1	-1.19	0.26	107.68	116.26	102.22	99.31	80.69
TM9SF2	-1.01	0.93	212.95	212.06	209.27	231.92	199.00
TM9SF3	-1.49	0.00	528.19	529.40	546.20	555.80	332.84
TM9SF4	1.07	0.72	134.86	171.57	132.24	121.06	130.06
TMA16	-1.18	0.51	12.73	8.78	15.53	9.63	9.60
TMA7	-1.15	0.56	7.34	11.26	10.44	7.93	7.83
TMBIM1	3.03	0.00	18.69	16.47	13.71	20.27	65.91
TMBIM4	1.12	0.47	76.72	96.49	87.34	84.48	99.50
TMBIM6	1.24	0.18	155.96	142.47	200.65	131.93	214.40
TMC4	1.17	0.57	25.80	25.39	24.15	40.09	28.79
TMC6	1.30	0.56	0.57	0.14	1.17	1.47	1.77
TMCC1	-2.33	0.00	34.17	40.77	38.38	27.97	13.26
TMCC2	-1.97	0.00	6.31	6.04	6.27	3.96	3.16
TMCO1	-1.02	0.90	18.23	24.02	23.37	21.63	19.70
TMCO3	-1.24	0.15	106.99	120.24	98.43	104.07	74.75
TMCO4	1.33	0.10	20.87	19.63	23.24	15.85	28.79
TMCO6	1.40	0.01	15.48	16.88	15.14	14.38	22.22

TMED1	-1.43	0.04	90.02	153.45	115.92	101.47	70.33
TMED10	1.15	0.44	384.50	483.97	397.77	433.27	452.67
TMED2	-1.18	0.27	63.42	69.18	65.01	59.00	52.27
TMED3	-1.69	0.00	32.80	44.33	45.30	33.07	20.58
TMED4	-1.72	0.00	158.25	170.61	167.36	146.31	86.49
TMED5	1.82	0.00	11.70	9.88	12.66	13.25	23.74
TMED6	1.02	0.90	1.26	2.47	0.65	1.47	1.14
TMED7	-1.04	0.83	144.26	190.10	165.92	155.94	161.12
TMED8	1.27	0.46	1.83	2.06	1.17	2.49	2.53
TMED9	-1.40	0.02	291.27	408.89	378.06	345.39	238.14
TMEFF1	-5.37	0.00	0.80	1.51	1.70	1.47	0.25
TMEM100	6.55	0.00	6.88	13.31	9.27	13.02	57.58
TMEM101	1.19	0.37	12.50	13.59	16.84	16.31	19.19
TMEM104	-1.02	0.98	5.50	6.04	3.52	3.51	4.29
TMEM106A	1.23	0.45	6.19	4.67	4.31	6.57	8.46
TMEM106B	1.16	0.37	35.55	24.57	32.11	32.16	39.90
TMEM106C	-1.14	0.48	18.92	15.24	16.71	19.59	13.13
TMEM107	-1.35	0.09	14.10	11.80	12.53	15.06	7.95
TMEM109	-1.01	0.96	42.89	51.20	48.95	45.75	45.33
TMEM111	-1.20	0.34	9.29	8.37	9.92	10.31	9.09
TMEM110	-1.16	0.55	6.88	7.14	5.22	8.83	5.68
TMEM115	1.01	0.98	29.13	31.16	31.20	29.90	34.72
TMEM117	1.14	0.67	2.75	2.47	3.52	2.49	2.78
TMEM119	-1.14	0.66	9.75	13.86	7.05	13.70	6.69
TMEM120A	1.43	0.03	8.60	10.02	8.75	11.78	16.41
TMEM120B	-1.69	0.00	19.15	19.90	17.10	18.46	7.70
TMEM123	-1.11	0.58	182.68	214.39	256.78	185.04	254.05
TMEM126A	-1.10	0.74	4.13	7.00	4.57	5.44	6.44
TMEM126B	1.52	0.18	3.33	2.75	2.74	3.40	6.57
TMEM127	1.25	0.23	15.02	15.51	14.10	19.93	21.09
TMEM128	-1.07	0.75	22.02	24.02	17.10	21.74	19.95
TMEM129	-1.64	0.01	56.08	73.98	41.77	39.86	41.04
TMEM130	-4.72	0.00	27.41	26.49	21.80	10.64	2.53
TMEM131	1.15	0.38	88.53	92.79	94.91	98.86	125.13
TMEM132A	3.57	0.00	2.18	3.43	1.96	2.94	10.48
TMEM132B	-2.49	0.00	27.98	25.80	31.72	20.50	9.98
TMEM134	1.06	0.90	3.90	3.84	3.39	4.08	3.79
TMEM135	-1.17	0.41	15.60	15.37	20.63	14.61	14.27
TMEM136	1.11	0.65	20.76	13.59	12.92	9.40	15.15
TMEM138	-1.12	0.58	14.56	12.90	12.79	18.12	13.26
TMEM140	3.34	0.00	1.95	2.06	1.70	2.72	6.57
TMEM141	1.14	0.66	4.59	6.31	5.22	4.64	6.94
TMEM143	-1.44	0.09	8.72	6.31	8.09	6.79	4.04
TMEM145	1.84	0.05	1.38	1.51	0.91	1.13	2.02
TMEM147	-1.09	0.60	33.14	41.73	33.29	32.50	32.70
TMEM14A	1.46	0.01	15.48	13.04	13.58	12.91	20.33
TMEM14C	1.08	0.70	15.83	16.20	16.06	17.33	15.15

TMEM150A	1.20	0.47	8.03	10.98	6.01	5.44	6.94
TMEM150C	17.28	0.00	4.13	1.78	2.48	1.36	63.51
TMEM154	2.18	0.00	10.89	9.88	9.01	10.08	24.75
TMEM156	1.03	0.97	0.69	1.10	0.78	1.02	1.64
TMEM158	1.03	0.95	2.18	1.51	3.52	1.93	1.26
TMEM159	-1.33	0.20	114.56	73.02	71.41	65.00	52.78
TMEM160	1.12	0.62	5.28	8.37	6.01	6.68	7.95
TMEM161A	1.02	0.96	14.68	14.27	13.32	15.29	15.28
TMEM161B	-1.28	0.16	12.61	9.61	12.40	13.70	9.85
TMEM164	1.80	0.02	11.81	14.82	5.09	21.97	31.57
TMEM165	-1.30	0.22	7.11	7.00	9.01	6.91	7.07
TMEM167A	-1.41	0.01	81.30	95.39	92.69	88.90	57.96
TMEM167B	-1.33	0.03	54.70	58.88	66.19	54.47	42.30
TMEM168	-1.39	0.44	0.80	1.65	2.48	1.81	1.14
TMEM17	-1.19	0.36	13.19	13.18	12.40	17.44	9.85
TMEM170A	-1.31	0.11	28.44	28.00	40.08	25.93	24.37
TMEM170B	-1.01	0.99	4.13	5.22	5.87	6.34	6.19
TMEM173	2.24	0.00	2.75	1.92	2.48	2.04	5.81
TMEM175	1.21	0.20	24.43	27.73	28.33	29.44	30.94
TMEM176A	527.10	0.00	0.00	0.27	0.00	0.00	53.16
TMEM176B	460.51	0.00	0.00	0.00	0.00	0.34	64.65
TMEM177	1.11	0.79	3.44	3.29	4.05	3.17	4.80
TMEM179B	1.42	0.02	11.81	16.75	13.84	13.48	21.72
TMEM18	1.05	0.83	6.65	7.55	4.96	6.68	7.32
TMEM181	1.26	0.10	47.70	48.31	61.36	53.79	72.86
TMEM183A	1.08	0.66	22.71	29.37	31.33	24.91	25.25
TMEM184B	-1.57	0.00	107.34	115.98	107.18	99.31	68.82
TMEM184C	2.05	0.00	30.96	28.82	28.72	29.44	68.94
TMEM185A	-1.02	0.90	31.88	39.12	36.29	31.93	29.42
TMEM185B	1.18	0.33	14.10	15.37	17.36	14.04	19.19
TMEM186	-1.06	0.81	4.36	4.94	3.66	4.30	5.56
TMEM187	-1.24	0.52	3.10	2.20	2.74	2.15	1.52
TMEM189	1.00	0.98	37.15	38.98	28.72	34.99	37.38
TMEM19	1.85	0.00	43.12	32.67	37.08	47.45	76.77
TMEM192	1.30	0.32	5.62	2.61	4.31	4.08	6.57
TMEM198	2.05	0.05	1.38	0.27	1.04	0.57	1.64
TMEM199	-1.13	0.47	22.13	20.18	20.23	23.21	22.35
TMEM2	-1.43	0.01	102.98	81.94	97.26	117.09	75.63
TMEM200B	1.07	0.71	23.74	27.73	31.20	34.88	29.42
TMEM200C	1.58	0.44	0.92	0.69	0.26	0.79	1.14
TMEM201	-1.15	0.44	11.35	13.04	11.36	10.87	10.23
TMEM203	1.14	0.40	19.72	27.86	24.02	21.97	26.90
TMEM204	-1.32	0.47	1.15	1.92	2.09	1.70	1.01
TMEM205	1.15	0.69	4.36	4.53	4.57	2.49	4.67
TMEM206	-1.02	0.99	4.24	7.27	7.44	5.44	5.81
TMEM208	-1.34	0.07	15.60	17.57	15.67	13.36	10.48
TMEM209	1.03	0.87	22.93	23.47	17.10	23.10	18.56

TMEM214	-1.28	0.07	125.11	133.96	136.29	128.98	97.73
TMEM216	-1.42	0.23	8.49	4.39	7.57	4.98	3.03
TMEM218	1.10	0.68	9.86	10.57	11.88	8.72	11.74
TMEM219	1.18	0.33	15.94	13.31	13.58	11.32	17.05
TMEM220	-1.14	0.49	15.37	11.53	12.01	13.70	14.39
TMEM221	1.91	0.31	0.69	0.41	0.78	0.11	1.14
TMEM222	-1.03	0.90	1.26	2.47	2.22	2.26	2.90
TMEM223	1.09	0.70	6.19	7.00	4.70	6.45	6.19
TMEM230	1.06	0.71	25.57	28.00	22.85	24.12	26.01
TMEM231	-1.49	0.01	42.09	48.04	36.68	41.45	21.21
TMEM232	1.32	0.25	5.28	7.27	5.35	3.06	7.95
TMEM234	1.12	0.63	6.31	8.78	5.09	7.25	7.95
TMEM237	-1.62	0.00	27.41	20.45	29.50	32.73	14.02
TMEM238	1.40	0.18	1.95	4.39	3.66	2.94	3.91
TMEM241	-1.02	0.94	22.82	17.29	23.76	21.74	18.94
TMEM242	-1.32	0.16	26.26	20.86	29.76	22.42	13.76
TMEM243	-1.08	0.74	7.91	9.61	7.18	7.93	6.44
TMEM245	-1.27	0.21	16.51	11.12	12.66	16.31	10.73
TMEM246_1	1.12	0.58	8.94	11.39	8.35	12.23	13.64
TMEM246_2	-1.92	0.11	1.95	0.96	1.17	1.36	0.51
TMEM248	1.10	0.58	56.76	76.45	56.53	55.15	73.99
TMEM25	-1.65	0.00	16.05	13.86	16.71	16.65	6.82
TMEM251	1.26	0.35	3.21	5.35	5.35	3.85	4.80
TMEM254	1.16	0.43	18.58	14.82	15.40	19.14	21.09
TMEM255A	-1.08	0.83	12.61	6.04	14.10	11.89	8.84
TMEM255B	-1.97	0.08	2.18	1.10	2.09	1.25	0.76
TMEM256	-1.21	0.46	3.78	4.12	4.18	4.08	2.78
TMEM258	-1.39	0.06	36.12	48.18	31.07	33.41	29.80
TMEM259	-1.04	0.84	85.78	94.84	81.72	92.63	82.45
TMEM260	-1.04	0.98	38.53	84.14	54.44	38.50	42.30
TMEM261	1.45	0.20	2.64	1.51	1.57	1.81	2.53
TMEM263	-1.75	0.00	304.81	339.16	382.63	277.67	152.66
TMEM265	1.20	0.47	5.28	4.67	4.96	4.98	4.55
TMEM27	-1.15	0.49	7.22	8.51	8.75	7.47	6.82
TMEM30A	1.04	0.86	85.55	79.33	75.33	72.82	77.65
TMEM30B	-1.26	0.29	65.36	100.47	102.35	86.74	84.09
TMEM33	-1.04	0.80	79.70	74.94	93.60	81.31	64.02
TMEM38A	1.40	0.18	3.21	4.12	3.66	5.21	5.05
TMEM38B	1.10	0.77	2.52	4.25	2.87	3.06	3.66
TMEM39A	-1.35	0.02	56.76	68.08	57.70	61.15	44.70
TMEM39B	1.33	0.10	9.98	8.37	6.40	8.83	10.48
TMEM41A	-1.01	0.94	10.32	9.75	8.09	12.23	8.46
TMEM41B	1.16	0.41	26.38	26.35	19.97	30.80	33.46
TMEM42	-1.09	0.66	13.07	10.43	10.97	12.12	11.62
TMEM43	1.58	0.00	120.87	135.20	127.80	151.18	213.39
TMEM45A	-1.28	0.13	139.21	169.92	180.15	128.08	102.66
TMEM47	-1.15	0.58	13.07	9.20	10.31	16.31	6.31

TMEM5	1.14	0.61	3.90	5.22	5.74	4.08	6.31
TMEM50A	1.50	0.00	40.82	47.49	38.25	37.03	71.47
TMEM50B	1.12	0.52	25.11	29.65	30.16	27.29	35.61
TMEM51	2.42	0.08	0.69	0.69	1.83	0.11	3.54
TMEM53	-1.05	0.88	2.41	2.20	1.96	2.60	2.02
TMEM55A	-1.25	0.40	5.96	4.53	4.05	4.30	4.04
TMEM55B	1.25	0.20	12.50	11.53	13.32	11.78	15.78
TMEM57	-1.11	0.48	45.07	45.02	44.91	48.35	47.48
TMEM59	-1.07	0.72	104.12	109.39	89.95	95.92	90.03
TMEM59L	-2.69	0.00	8.83	9.06	9.66	6.68	2.78
TMEM60	1.06	0.84	4.13	4.25	4.83	4.87	5.05
TMEM62	1.10	0.81	1.38	0.69	1.83	2.60	2.15
TMEM63A	2.32	0.00	89.45	86.33	82.37	197.38	191.42
TMEM63B	1.77	0.00	42.09	28.82	30.03	37.03	78.29
TMEM64	-2.06	0.00	39.56	64.37	49.61	49.71	21.09
TMEM65	-1.10	0.61	13.19	10.84	13.97	13.02	10.99
TMEM67	1.06	0.68	27.52	17.84	17.62	34.43	27.27
TMEM68	1.17	0.31	18.81	18.94	17.36	20.38	23.86
TMEM69	-1.13	0.60	6.54	5.63	6.40	7.25	4.55
TMEM70	-1.10	0.63	19.04	26.63	18.67	18.46	17.05
TMEM79	1.00	0.98	2.64	3.43	1.83	3.06	2.15
TMEM80	1.05	0.90	7.80	5.35	6.66	7.25	6.44
TMEM86A	-1.15	0.66	6.77	3.98	7.96	5.32	4.92
TMEM87A	1.22	0.41	164.79	265.87	158.48	143.37	317.94
TMEM87B	-1.14	0.43	155.61	123.39	134.85	142.12	127.28
TMEM88B	1.43	0.42	0.92	0.96	1.70	1.47	2.15
TMEM8A	1.74	0.00	4.01	3.84	3.66	5.55	7.32
TMEM8B	-1.65	0.00	9.29	10.98	10.18	10.31	4.92
TMEM9	-1.39	0.02	39.79	45.16	32.64	43.03	29.04
TMEM94	-1.44	0.01	108.37	103.90	93.99	110.41	61.37
TMEM97	-1.03	0.97	36.81	74.67	54.96	48.47	52.27
TMEM98	-2.75	0.00	19.27	18.53	29.24	17.21	6.57
TMEM9B	-1.02	0.93	45.18	48.73	45.95	40.54	50.63
TMF1	-1.09	0.57	63.64	64.10	65.93	59.45	57.07
TMOD1	1.21	0.55	3.10	1.37	3.39	3.51	3.91
TMOD2	-6.74	0.00	6.19	0.82	4.70	2.26	0.63
TMOD3	1.55	0.00	23.85	22.65	34.99	24.12	42.93
TMPO	-2.00	0.00	133.60	145.77	153.26	148.35	50.25
TMPRSS6	13.09	0.00	0.69	0.69	0.78	0.00	10.73
TMPRSS9	1.11	0.89	1.49	0.96	1.04	1.70	3.28
TMSB10	-1.87	0.00	123.16	154.41	161.49	84.71	75.26
TMSB4X	-1.29	0.16	52.18	72.61	54.44	40.99	53.66
TMTC1	-2.70	0.00	38.19	25.67	28.85	25.37	9.34
TMTC2	1.48	0.07	53.67	32.80	58.62	47.79	69.19
TMTC3	-1.43	0.01	93.92	103.35	113.44	97.73	68.44
TMTC4	-1.68	0.00	27.52	45.43	41.77	31.82	22.10
TMUB1	-1.20	0.29	18.12	24.02	18.93	18.23	15.15

TMUB2	1.10	0.58	24.54	20.18	18.28	21.29	19.95
TMX1	1.29	0.17	81.99	61.35	100.65	95.24	88.39
TMX2	-1.14	0.40	29.13	33.77	30.03	30.80	32.20
TMX3	-1.21	0.22	39.33	45.02	33.55	43.83	29.67
TMX4	-1.20	0.22	180.15	164.85	201.04	188.66	158.09
TNC	-5.58	0.00	1135.97	1553.33	1116.82	998.92	237.64
TNF	8.86	0.00	0.23	0.14	0.26	0.45	5.05
TNFAIP1	1.99	0.00	3.78	5.35	6.01	7.13	12.88
TNFAIP2	19.35	0.00	19.15	9.88	14.36	10.42	381.83
TNFAIP3	6.56	0.00	0.92	1.24	2.35	2.72	13.51
TNFAIP6	2.26	0.07	1.03	1.65	1.96	1.25	2.90
TNFAIP8	1.02	0.97	30.39	23.06	29.37	28.88	23.49
TNFAIP8L1	-1.10	0.71	9.98	13.31	9.53	7.93	7.45
TNFAIP8L3	22.07	0.00	0.34	0.14	0.13	0.91	7.45
TNFRSF10D	2.37	0.00	9.17	15.24	16.71	19.36	38.39
TNFRSF11A	-1.74	0.54	2.87	0.55	0.78	4.42	0.38
TNFRSF11B	-1.06	0.88	3.90	6.31	2.35	6.91	2.15
TNFRSF12A	-1.46	0.06	35.43	51.61	30.94	51.98	27.65
TNFRSF19	1.45	0.10	10.32	5.90	11.10	13.59	16.67
TNFRSF1A	2.39	0.00	38.87	48.31	35.64	43.37	109.22
TNFRSF1B	15.95	0.00	1.61	0.96	1.57	2.38	35.61
TNFRSF21	30.37	0.00	5.50	3.98	7.57	2.94	191.80
TNFRSF4	1.17	0.63	4.36	1.92	2.48	2.83	2.53
TNFRSF6B	5.57	0.00	0.80	0.96	1.31	0.68	7.95
TNFSF11	8.96	0.00	0.00	0.14	0.39	0.11	1.64
TNFSF12_2	1.05	0.79	11.93	14.55	9.66	12.80	14.27
TNFSF13	1.83	0.05	2.52	1.51	1.17	1.47	3.79
TNFSF15	277.83	0.00	0.34	0.14	0.00	0.00	76.64
TNFSF18	1.14	0.72	0.92	0.00	1.04	1.59	1.26
TNFSF8	-2.30	0.02	2.98	5.35	1.83	2.49	1.64
TNIK	-1.92	0.00	92.43	67.80	81.72	62.28	44.32
TNIP1	4.93	0.00	17.09	18.67	11.88	21.74	119.45
TNIP2	1.64	0.01	7.00	5.35	5.87	5.55	9.34
TNK1	1.49	0.14	2.64	1.65	1.83	2.60	2.78
TNK2	-1.88	0.00	61.24	59.43	51.70	59.57	26.14
TNKS	1.12	0.49	49.54	45.71	46.08	50.62	54.30
TNKS1BP1	3.10	0.00	126.49	118.32	119.06	129.32	463.02
TNKS2	1.06	0.91	695.39	942.13	639.28	550.13	1100.68
TNNI2	-1.97	0.01	7.68	7.14	8.62	6.79	2.15
TNNT3	-4.19	0.00	7.91	3.84	3.13	2.04	0.51
TNPO1	-1.20	0.22	59.86	67.26	71.80	74.29	52.40
TNPO2	-1.30	0.07	109.06	121.75	129.76	116.30	82.83
TNPO3	-1.09	0.60	26.49	29.24	31.20	25.59	23.74
TNRC18	-1.03	0.90	190.13	178.85	162.79	214.37	175.26
TNRC6A	-1.21	0.20	208.94	188.73	183.16	215.84	158.09
TNRC6B	-1.04	0.85	65.36	52.43	53.26	59.11	60.86
TNRC6C	-1.35	0.04	70.98	65.75	87.86	77.12	50.89

TNS1	1.54	0.00	195.63	151.26	133.42	190.47	244.45
TNS2	-1.62	0.01	494.48	295.38	335.37	428.63	154.30
TNS3	-1.14	0.50	757.43	656.09	736.67	516.28	777.56
TNS4	-2.10	0.02	2.98	2.06	2.48	1.93	0.88
TNXB	-1.27	0.65	12.84	3.84	4.83	8.04	7.07
TOB1	-1.11	0.53	48.28	39.67	47.26	48.69	38.13
TOB2	1.04	0.85	101.03	92.37	98.30	71.68	92.18
TOE1	-1.46	0.01	18.35	17.71	15.80	14.04	12.00
TOLLIP	1.16	0.30	37.96	42.41	36.03	36.80	46.09
TOM1	-1.11	0.56	34.40	32.67	29.90	25.71	28.54
TOM1L1	1.35	0.46	6.54	2.88	8.88	1.02	11.49
TOM1L2	1.01	0.97	28.10	20.04	25.59	24.46	23.99
TOMM20	1.05	0.79	41.17	50.51	51.83	50.62	47.60
TOMM22	1.06	0.71	40.94	55.45	41.51	41.79	46.09
TOMM34	1.01	0.95	7.57	9.20	7.05	6.79	7.70
TOMM40	-1.44	0.02	19.72	26.22	22.98	18.12	14.65
TOMM40L	1.20	0.38	5.96	8.65	4.83	6.34	8.33
TOMM5	-1.25	0.20	10.32	12.76	11.88	10.98	10.86
TOMM6	1.49	0.09	5.73	4.12	4.44	5.32	7.58
TOMM7	-1.01	0.97	21.10	28.27	24.67	20.84	26.64
TOMM70A	1.02	0.89	48.39	63.96	58.22	52.88	51.90
TONSL	-2.27	0.00	22.02	19.63	15.14	18.57	5.18
TOP1	1.33	0.04	40.94	51.88	39.56	45.98	59.85
TOP2A	-2.68	0.00	446.08	491.52	418.01	382.54	111.24
TOP2B	-1.41	0.01	302.51	291.26	282.37	284.01	212.64
TOP3A	-1.59	0.00	41.40	35.96	45.43	42.24	23.36
TOP3B	1.17	0.41	12.38	12.22	9.79	13.36	15.91
TOPBP1	-1.21	0.17	69.84	62.45	69.06	70.10	47.98
TOPORS	-1.10	0.54	35.09	35.27	35.38	35.33	32.58
TOR1A	-1.06	0.77	29.47	40.90	28.72	27.29	38.26
TOR1AIP1	1.09	0.68	9.63	12.76	9.14	12.80	12.75
TOR1AIP2	1.06	0.72	47.25	58.47	54.18	55.83	60.86
TOR1B	1.41	0.01	22.82	25.26	25.46	28.31	41.29
TOR2A	-1.16	0.68	4.47	2.47	2.74	2.72	2.40
TOR3A	1.23	0.21	46.10	60.80	41.77	50.85	70.08
TOR4A	3.05	0.01	0.80	0.14	0.26	0.45	1.39
TOX	-1.79	0.02	86.01	52.57	102.74	36.69	36.37
TOX4	1.04	0.80	46.21	53.80	51.57	46.43	53.16
TP53	1.74	0.00	36.01	29.65	30.29	35.90	57.83
TP53BP1	1.19	0.26	82.57	74.80	75.59	86.74	99.25
TP53BP2	1.28	0.08	49.54	48.59	42.17	51.19	58.46
TP53I11	3.82	0.00	1.03	3.43	3.26	2.04	6.06
TP53I13	-1.90	0.00	53.32	64.79	62.40	47.00	26.39
TP53I3	1.51	0.11	4.24	4.39	3.26	2.72	6.06
TP53INP1	1.35	0.07	210.77	169.79	167.88	136.00	190.92
TP53INP2	2.37	0.00	5.16	6.04	6.40	4.87	18.31
TP53RK	1.04	0.88	4.13	6.45	5.35	4.64	5.81

TP73	-1.44	0.44	1.03	0.69	1.83	1.13	0.51
TPBG	3.09	0.00	6.77	8.92	6.79	5.55	23.74
TPC3	-1.46	0.55	1.95	0.96	0.52	2.72	1.39
TPCN1	-1.97	0.00	19.38	15.78	22.32	24.57	7.83
TPCN2	1.44	0.05	8.49	5.08	6.66	6.79	8.84
TPD52	-1.14	0.47	18.00	23.20	25.98	19.59	21.47
TPD52L1	-3.30	0.00	16.63	28.96	54.57	21.06	8.08
TPD52L2	-1.21	0.21	108.02	113.65	106.13	90.93	77.40
TPGS1	1.25	0.20	9.75	8.78	7.57	11.32	11.87
TPGS2	-1.39	0.07	24.20	38.57	38.64	27.18	21.09
TPI1	-1.04	0.97	102.75	269.71	198.95	139.97	135.49
TPK1	1.09	0.80	4.59	5.08	8.09	5.44	3.91
TPM1	-1.77	0.00	51.49	51.61	84.59	37.82	23.23
TPM2	-1.45	0.20	18.81	20.04	33.29	11.10	13.26
TPM3	-1.14	0.50	13.30	16.06	15.80	11.66	14.14
TPM4	-1.23	0.25	198.16	272.59	270.88	194.89	176.02
TPMT	1.42	0.03	9.63	14.14	15.67	10.19	19.57
TPP1	1.12	0.59	25.23	29.10	28.07	29.10	26.90
TPP2	1.32	0.07	23.85	18.80	18.02	18.12	30.81
TPPP2	-3.99	0.00	1.15	1.10	1.31	1.02	0.38
TPR	-1.10	0.56	133.25	123.67	122.06	148.80	105.18
TPRA1	1.19	0.32	34.52	37.20	35.25	31.48	49.88
TPRG1L	1.08	0.65	34.98	52.84	38.77	34.77	51.77
TPRKB	-1.04	0.84	10.21	10.29	12.27	10.42	10.23
TPRN	1.42	0.09	5.39	4.67	6.14	4.87	8.97
TPST1	-1.31	0.17	75.11	70.28	94.38	49.37	53.29
TPST2	1.36	0.09	14.79	8.37	12.66	13.70	18.56
TPX2	-2.54	0.00	114.22	131.90	108.09	90.59	29.80
TRA2A	-1.02	0.93	194.72	165.39	152.09	116.98	190.66
TRA2B	-1.78	0.00	128.78	129.84	127.02	109.73	65.91
TRABD	1.29	0.11	15.60	16.20	15.40	13.14	18.94
TRABD2B	-1.58	0.00	197.35	195.04	193.47	157.52	97.61
TRADD	-1.17	0.49	10.21	7.55	8.22	9.06	6.31
TRAF1	1.25	0.30	10.44	13.59	7.83	9.85	10.23
TRAF2	3.74	0.00	30.39	41.86	35.38	30.92	163.39
TRAF3	2.63	0.00	7.80	10.98	8.75	8.38	28.54
TRAF3IP1	-1.10	0.67	19.38	13.31	12.40	13.59	15.03
TRAF3IP2	4.71	0.00	2.41	3.02	1.44	2.83	12.37
TRAF3IP3	1.57	0.28	3.10	2.88	1.96	3.17	7.32
TRAF4	1.21	0.19	49.31	45.98	36.42	59.68	56.69
TRAF6	1.40	0.14	3.78	5.63	5.74	3.62	7.83
TRAF7	1.46	0.00	51.95	48.59	45.69	42.81	75.51
TRAFD1	1.18	0.30	103.90	86.33	79.89	99.65	110.23
TRAIP	-2.24	0.00	6.19	7.14	4.96	4.64	1.39
TRAK1	1.19	0.41	11.12	7.00	5.09	9.51	11.49
TRAK2	-1.21	0.23	16.63	21.55	20.37	19.59	16.41
TRAM1	-1.25	0.13	108.94	104.59	106.26	96.94	86.87

TRAM1L1	-2.05	0.07	3.90	1.51	3.79	1.70	1.39
TRAM2	1.05	0.80	53.90	42.41	37.86	49.60	45.46
TRANK1	-1.44	0.04	108.14	59.43	83.16	91.73	64.52
TRAP1	1.19	0.39	17.89	21.14	20.37	16.31	30.30
TRAPPC1	-1.12	0.65	14.56	24.84	15.67	16.87	15.78
TRAPPC10	1.23	0.20	19.72	17.84	17.75	18.12	25.13
TRAPPC11	-1.33	0.04	41.63	46.80	39.82	38.73	40.03
TRAPPC12	1.26	0.16	9.86	13.86	12.79	13.36	16.16
TRAPPC13	-1.11	0.58	15.25	18.39	22.32	17.67	15.03
TRAPPC2	-1.60	0.03	6.65	8.37	7.18	5.21	3.41
TRAPPC2L	1.04	0.80	23.85	16.61	24.28	27.07	24.37
TRAPPC3	1.21	0.42	7.00	7.14	5.22	3.85	6.06
TRAPPC4	-1.44	0.01	27.87	24.98	27.68	23.33	18.44
TRAPPC5	-1.17	0.45	9.86	14.82	12.92	10.42	11.36
TRAPPC6A	1.58	0.05	4.24	6.73	3.00	3.85	8.84
TRAPPC6B	-1.23	0.21	15.37	16.47	20.23	17.89	12.88
TRAPPC8	1.10	0.54	47.93	42.41	43.47	48.81	51.90
TRAPPC9	1.23	0.46	4.59	4.25	2.22	4.19	5.05
TRDMT1	-1.32	0.09	12.38	14.00	15.40	16.31	10.10
TRERF1	1.36	0.09	34.17	31.29	27.68	49.49	44.45
TREX1	1.31	0.25	5.73	7.00	5.74	4.19	8.84
TREX2	-1.26	0.31	8.60	6.18	6.66	8.27	4.29
TRH	4.40	0.05	0.23	0.14	0.39	1.70	0.25
TRHDE	-4.06	0.01	11.12	1.92	4.05	5.32	0.51
TRIAP1	1.07	0.81	32.80	66.29	55.87	34.20	40.28
TRIB1	14.83	0.00	3.21	4.94	0.52	2.60	51.77
TRIB2	1.06	0.75	48.51	33.22	58.22	29.56	51.90
TRIB3	2.66	0.00	0.69	1.24	1.57	1.93	4.29
TRIL	-3.14	0.02	1.61	0.55	1.17	1.81	0.13
TRIM11	-1.00	0.99	18.23	18.39	20.50	16.99	16.67
TRIM13	-1.34	0.50	0.80	1.24	1.57	1.36	1.01
TRIM14	1.22	0.55	2.87	3.43	4.31	2.83	3.54
TRIM16	2.09	0.00	2.64	2.47	3.26	4.08	7.83
TRIM2	1.55	0.00	23.62	22.51	33.94	35.22	42.80
TRIM21	4.22	0.00	1.26	2.33	0.65	0.79	5.93
TRIM23	1.02	0.90	12.04	6.73	13.58	12.80	11.49
TRIM24	-1.33	0.03	69.03	68.35	68.93	66.25	46.59
TRIM25	1.46	0.02	10.21	9.20	13.45	10.31	15.15
TRIM27	-1.11	0.50	29.93	29.24	33.42	29.44	25.63
TRIM28	-1.04	0.85	62.73	67.53	53.52	54.92	55.68
TRIM3	-1.02	0.97	19.84	18.26	13.32	17.33	15.66
TRIM33	1.17	0.41	12.84	12.76	12.53	14.61	19.32
TRIM35	1.42	0.03	15.48	11.80	17.75	12.12	22.35
TRIM37	-1.28	0.21	10.55	9.75	12.66	8.38	7.45
TRIM38	1.21	0.28	12.96	12.63	11.10	14.95	18.18
TRIM41	1.04	0.83	37.61	35.14	31.59	38.39	32.32
TRIM44	-1.27	0.18	12.96	14.96	14.62	10.87	9.09

TRIM45	-1.38	0.10	8.60	12.63	10.57	11.55	5.68
TRIM46	32.72	0.00	0.11	0.00	0.00	0.11	3.66
TRIM47	1.23	0.18	55.50	59.71	41.12	77.12	68.56
TRIM52	1.21	0.62	3.67	3.02	3.92	2.72	6.19
TRIM56	1.93	0.00	64.56	79.88	66.97	69.64	144.83
TRIM59	-2.04	0.00	19.38	21.96	20.63	13.36	6.57
TRIM6	-2.75	0.11	8.37	13.04	20.37	1.36	4.29
TRIM62	1.55	0.25	1.72	1.65	1.83	1.36	2.90
TRIM65	1.37	0.07	14.10	9.06	13.19	15.40	18.94
TRIM66	-1.33	0.39	4.13	2.20	5.22	3.96	4.42
TRIM68	1.07	0.85	7.80	7.82	7.18	6.91	10.35
TRIM7	-1.24	0.56	1.49	3.16	3.39	3.40	2.40
TRIM8	7.44	0.00	19.49	18.26	11.75	18.69	182.84
TRIM9	-1.03	0.98	27.18	15.92	10.44	38.73	11.24
TRIO	-1.17	0.36	94.72	98.14	85.77	117.66	64.27
TRIOBP	1.26	0.10	22.82	22.65	21.80	21.52	30.81
TRIP10	1.13	0.71	4.47	3.84	2.87	3.40	3.41
TRIP11	-1.00	0.90	375.67	404.22	353.26	338.48	504.95
TRIP12	1.24	0.15	189.10	181.32	165.40	155.03	225.01
TRIP13	-3.09	0.00	31.76	24.29	24.41	28.20	5.93
TRIP4	-1.23	0.16	26.95	23.88	27.68	25.82	23.23
TRIP6	-1.18	0.30	24.08	28.55	25.33	21.97	22.60
TRIQK	-1.71	0.00	24.20	29.92	37.60	35.90	12.25
TRIT1	-1.12	0.57	24.20	22.51	17.49	26.50	22.98
TRMO	-1.01	0.95	4.70	4.80	3.92	4.19	3.66
TRMT1	1.41	0.06	6.88	8.65	6.79	6.34	10.35
TRMT10A	-1.19	0.42	11.81	9.20	7.96	9.40	8.21
TRMT10B	1.14	0.50	8.26	12.90	13.19	8.95	12.88
TRMT10C	-1.05	0.80	13.65	17.57	18.02	14.61	13.64
TRMT11	1.26	0.27	6.65	7.27	4.18	6.45	7.32
TRMT112	1.35	0.02	17.20	19.90	18.93	18.46	25.38
TRMT12	-1.10	0.63	7.91	9.61	8.49	9.85	8.71
TRMT13	-1.59	0.02	63.42	43.92	36.16	35.56	28.54
TRMT1L	1.15	0.47	30.39	26.35	31.72	34.77	27.53
TRMT2A	-1.03	0.94	18.23	23.75	15.27	16.31	16.54
TRMT2B	1.39	0.25	1.95	1.65	2.22	3.85	3.28
TRMT44	1.79	0.03	2.18	1.78	3.13	2.60	3.79
TRMT5	1.25	0.16	12.61	15.24	14.88	17.33	17.30
TRMT6	1.39	0.11	7.00	4.94	5.35	4.53	7.83
TRMT61A	1.37	0.09	7.68	9.88	7.96	9.06	13.01
TRMT61B	-1.08	0.83	3.10	2.33	3.66	3.96	3.03
TRMU	1.08	0.71	11.47	14.27	12.40	11.32	13.26
TRNAU1AP	1.16	0.50	8.26	5.49	4.96	9.74	9.60
TRNP1	-1.98	0.02	5.39	4.25	3.00	7.02	2.65
TRNT1	1.47	0.02	11.12	8.24	12.53	14.61	17.55
TROAP	-2.78	0.00	105.16	99.51	82.64	85.50	26.77
TROVE2	-1.05	0.79	15.25	16.61	16.06	18.35	16.79

TRPC1	-1.29	0.18	13.42	13.73	18.41	17.78	8.08
TRPC2	1.05	0.87	2.41	3.43	1.83	3.17	3.28
TRPC3	-2.78	0.00	10.32	7.96	5.61	8.15	3.03
TRPC4AP	-1.39	0.01	142.54	140.69	140.60	126.04	92.30
TRPM4	-1.38	0.28	2.87	3.02	3.00	2.49	1.26
TRPM7	1.75	0.00	60.20	48.59	52.61	77.12	112.63
TRPM8	-3.43	0.01	4.82	1.78	4.18	0.91	0.63
TRPS1	1.89	0.00	243.45	208.22	193.86	221.84	472.87
TRPT1	-1.40	0.44	1.95	1.24	1.04	0.79	1.01
TRPV2	-1.56	0.34	1.03	1.37	0.65	0.68	0.00
TRPV4	1.31	0.09	164.79	161.55	122.84	189.91	193.19
TRRAP	1.10	0.60	116.97	84.55	98.43	98.97	121.72
TRUB1	-1.58	0.10	4.82	4.39	5.22	2.72	3.41
TRUB2	-1.20	0.40	9.52	7.00	9.92	8.49	7.20
TSC1	1.32	0.12	125.80	84.00	105.35	113.81	149.50
TSC2	1.17	0.39	62.50	49.14	47.52	62.62	60.10
TSC22D1_1	3.19	0.00	263.98	220.43	233.42	236.68	1064.19
TSC22D1_2	-1.24	0.19	49.20	35.55	36.94	46.54	36.49
TSC22D2	-1.30	0.04	44.38	47.22	47.13	41.79	35.99
TSC22D3	-1.14	0.58	44.26	36.37	46.74	67.15	32.32
TSC22D4	1.08	0.68	34.75	38.71	35.64	31.93	31.06
TSEN15	-1.41	0.01	30.27	38.29	34.33	33.86	24.62
TSEN2	1.08	0.93	1.38	1.24	1.44	1.81	1.26
TSEN34	-1.47	0.01	24.08	28.96	28.20	23.55	15.78
TSEN54	-1.15	0.37	24.43	25.67	27.02	21.74	22.98
TSFM	1.29	0.12	15.60	15.65	15.27	14.72	19.19
TSG101	1.21	0.62	1.26	1.51	1.96	1.47	2.27
TSGA10	1.77	0.13	1.03	1.10	1.70	1.02	2.78
TSHZ1	-1.11	0.65	16.05	29.10	19.84	20.16	17.05
TSHZ2	4.04	0.00	13.30	10.84	11.62	24.12	74.62
TSHZ3	-1.05	0.81	17.77	17.98	13.45	15.63	17.30
TSKU	-1.39	0.03	85.78	116.53	97.39	97.96	61.24
TSLP	1.24	0.63	0.92	0.96	0.91	2.26	1.26
TSN	-1.20	0.19	62.15	63.69	64.49	56.85	50.63
TSNARE1	1.34	0.19	4.59	4.39	4.96	4.42	7.20
TSNAX	-1.05	0.79	26.83	22.24	20.76	19.82	26.39
TSPAN1	20.22	0.00	0.46	1.37	0.65	4.08	21.72
TSPAN11	-2.20	0.07	1.72	3.57	1.44	1.25	0.38
TSPAN12	1.53	0.03	8.94	6.73	6.14	9.85	11.49
TSPAN13	3.57	0.00	4.82	7.82	7.31	11.66	27.78
TSPAN14	-1.56	0.00	44.72	43.92	36.81	37.26	24.62
TSPAN15	84.80	0.00	0.34	0.00	0.52	0.34	33.84
TSPAN17	-1.25	0.39	6.19	6.59	4.18	5.10	5.18
TSPAN3	1.07	0.71	108.25	180.49	128.98	156.50	126.65
TSPAN31	1.52	0.00	26.26	35.82	26.50	36.69	51.01
TSPAN32	-1.37	0.37	2.98	2.88	1.57	2.60	1.52
TSPAN33	-1.16	0.63	2.29	3.16	2.09	2.38	3.16

TSPAN4	1.28	0.10	85.43	69.59	72.19	70.44	84.73
TSPAN5	1.18	0.68	4.01	2.88	5.35	1.93	5.30
TSPAN6	-1.12	0.49	89.79	116.67	98.56	107.35	92.18
TSPAN7	-3.46	0.00	1.95	0.82	1.70	1.13	0.25
TSPAN9	-1.50	0.14	31.54	48.18	38.51	16.87	25.51
TSPO	25.51	0.00	18.12	29.10	15.93	25.03	774.15
TSPYL1	1.08	0.65	33.60	33.90	31.07	39.86	35.23
TSPYL2	-1.32	0.06	64.22	56.00	52.48	73.72	43.18
TSPYL4	-1.04	0.89	43.23	28.14	38.64	38.50	36.37
TSPYL5	-1.52	0.23	2.06	2.20	1.96	1.59	0.51
TSR1	1.08	0.70	20.18	20.04	22.19	17.67	20.08
TSR2	1.14	0.47	11.58	13.04	9.27	11.66	12.12
TSR3	1.05	0.88	4.93	5.49	5.74	7.13	7.58
TSSC1	1.03	0.88	9.86	10.57	7.57	10.42	9.72
TSSC4	-1.10	0.68	8.03	10.84	7.96	7.81	8.21
TSSK3	-1.02	0.98	1.03	0.82	0.52	1.13	0.63
TST	-1.09	0.72	17.89	12.08	15.80	12.34	13.13
TSTA3	1.62	0.00	17.20	16.06	14.36	15.29	32.07
TSTD2	1.00	0.99	42.43	34.73	43.60	39.41	42.17
TSTD3	1.87	0.06	2.18	0.96	0.91	1.25	2.65
TTBK2	-1.09	0.75	35.89	26.08	18.41	25.71	30.43
TTC1	1.38	0.09	7.22	6.73	5.74	4.87	9.09
TTC12	1.26	0.54	1.49	0.00	2.09	1.02	1.89
TTC13	-1.21	0.32	12.84	11.53	12.53	9.29	8.84
TTC14	1.03	0.86	61.58	36.92	68.01	66.36	47.86
TTC17	1.15	0.57	153.66	200.26	192.69	189.91	224.25
TTC19	-1.07	0.78	8.94	7.41	6.92	7.25	8.46
TTC21A	-1.28	0.43	2.52	2.75	4.31	3.62	2.78
TTC21B	-1.11	0.68	72.47	39.26	63.05	61.94	47.86
TTC22	1.02	0.87	2.06	2.47	1.04	3.96	0.51
TTC23	1.25	0.24	8.49	7.55	7.05	6.00	9.34
TTC25	1.14	0.74	2.06	1.92	1.83	1.93	1.89
TTC26	1.05	0.82	17.09	13.73	13.84	17.55	15.40
TTC27	1.40	0.03	10.66	11.53	14.49	13.25	16.67
TTC28	-1.24	0.22	204.58	194.49	158.48	153.67	173.24
TTC3	1.37	0.04	254.92	237.45	333.94	255.59	415.55
TTC30A	1.06	0.79	14.33	17.71	19.58	13.02	14.02
TTC30B	1.92	0.02	2.06	2.06	3.13	2.26	5.68
TTC31	-1.16	0.54	5.62	5.22	6.66	5.32	4.67
TTC32	1.06	0.92	2.06	1.65	2.74	3.28	2.40
TTC33	1.26	0.66	1.03	1.10	0.78	1.02	1.52
TTC37	-1.39	0.03	110.09	86.88	125.45	110.75	71.34
TTC38	1.26	0.36	5.39	4.39	4.31	5.32	4.67
TTC39A	-2.63	0.00	10.66	6.18	9.40	9.40	3.03
TTC39B	-1.16	0.41	16.05	12.76	13.45	15.06	15.03
TTC4	1.05	0.82	23.16	31.84	18.93	25.25	26.14
TTC5	-1.15	0.49	16.28	12.90	17.75	12.91	9.98

TTC7A	1.42	0.04	18.69	23.33	18.28	27.74	25.13
TTC7B	1.05	0.81	15.83	12.08	13.97	18.01	17.05
TTC8	-1.77	0.00	13.76	11.26	12.14	16.31	5.93
TTC9	9.21	0.00	0.92	1.24	1.04	3.28	20.58
TTC9C	-1.32	0.18	10.44	9.61	10.70	7.47	5.81
TTF1	1.26	0.16	13.53	12.35	14.88	13.14	14.27
TTF2	-1.77	0.00	36.24	51.61	39.42	42.47	19.95
TTI1	-1.16	0.37	23.05	19.08	23.37	22.65	19.19
TTI2	-1.46	0.02	13.88	10.43	13.05	10.98	7.83
TTK_1	-2.62	0.00	13.88	12.08	13.97	11.89	2.65
TTL	1.09	0.79	7.11	7.27	6.79	7.93	10.10
TTLL1	-1.23	0.29	9.75	10.02	10.97	8.72	10.73
TTLL10	3.72	0.00	0.69	0.69	0.39	0.45	3.41
TTLL12	3.05	0.00	67.31	95.53	64.23	99.99	256.07
TTLL3	-1.30	0.26	23.62	10.84	16.97	19.02	13.64
TTLL4	-1.18	0.41	25.34	32.94	21.41	20.84	27.65
TTLL5	-1.03	0.90	16.17	14.82	16.71	14.38	14.27
TTLL7	-1.08	0.84	3.67	1.92	4.31	3.06	4.04
TTN	-2.05	0.00	28.32	17.84	17.49	21.52	12.88
TTPAL	-1.02	0.94	8.60	6.86	8.09	9.40	8.71
TTR	-22.01	0.00	2.98	2.33	2.61	0.68	0.00
TTYH2	-1.93	0.03	8.49	8.10	5.22	3.96	1.52
TTYH3	1.39	0.04	40.71	36.92	32.90	40.99	43.18
TUB	-1.98	0.00	8.26	8.37	12.14	8.49	5.05
TUBA1A	-1.60	0.08	4.13	5.35	7.05	3.62	2.90
TUBA1B	-3.24	0.00	495.85	600.36	520.23	349.58	95.08
TUBA1C	-1.06	0.97	2.52	3.16	4.44	0.91	1.89
TUBA4A	-1.93	0.00	7.45	10.29	10.31	6.57	3.79
TUBA8	-1.55	0.26	1.61	4.94	2.61	3.51	2.02
TUBB	-3.12	0.00	497.46	550.81	488.89	321.84	119.45
TUBB2A	-1.85	0.00	16.63	22.37	21.67	16.08	11.49
TUBB2B	-2.17	0.00	17.89	13.73	24.41	9.51	13.01
TUBB4B	-2.84	0.00	166.39	234.02	156.13	116.64	50.89
TUBB6	-1.66	0.03	4.82	7.96	5.61	5.89	3.54
TUBD1	1.08	0.69	19.61	18.67	28.33	14.04	21.84
TUBE1	1.04	0.86	15.37	18.39	17.36	21.63	17.68
TUBG1	-1.17	0.57	3.33	3.43	4.18	3.62	2.90
TUBG2	-1.66	0.00	24.66	23.33	25.72	22.08	9.34
TUBGCP2	-1.04	0.82	12.16	12.35	11.75	12.00	11.74
TUBGCP3	-1.34	0.03	54.24	45.02	44.12	51.87	37.25
TUBGCP4	1.05	0.82	17.66	12.63	12.66	13.82	15.03
TUBGCP5	1.01	0.94	36.01	24.71	34.86	33.18	32.45
TUBGCP6	-1.31	0.06	42.77	38.02	41.51	38.73	25.38
TUFM	1.41	0.02	24.66	28.41	26.63	26.16	43.06
TUFT1	2.24	0.00	6.08	2.88	5.87	6.12	14.65
TULP1	-1.54	0.38	2.52	2.06	0.78	1.13	0.76
TULP2	-1.75	0.01	12.27	10.98	8.75	11.44	3.41

TULP3	-1.27	0.09	56.08	45.98	43.34	44.50	39.52
TULP4	-2.37	0.00	68.00	88.26	45.56	49.37	22.98
TUSC1	1.18	0.48	5.85	4.53	4.18	7.02	5.81
TUSC2	1.20	0.26	15.83	19.35	13.45	16.31	19.45
TUSC3	-1.06	0.72	46.10	51.33	45.82	54.36	44.45
TUT1	-1.27	0.12	24.88	23.20	23.37	18.23	17.05
TVP23B	-1.25	0.12	119.83	120.92	128.46	115.96	93.19
TWF1	-1.32	0.06	21.56	19.08	21.80	17.78	15.91
TWF2	1.17	0.37	10.32	12.63	10.44	12.57	12.50
TWIST1	2.12	0.02	1.61	0.69	1.83	2.60	3.16
TWISTNB	2.91	0.00	4.13	3.71	6.01	4.30	13.26
TWSG1	1.08	0.79	175.80	188.32	148.95	237.92	171.98
TXLNA	-1.97	0.00	249.99	243.90	207.18	228.30	96.34
TXLNG	1.26	0.16	15.71	18.26	15.67	16.08	19.32
TXN	-1.14	0.44	74.31	92.79	80.29	66.13	85.99
TXN2	-1.12	0.54	24.20	30.06	23.37	21.63	24.62
TXND11	-1.37	0.02	114.33	106.65	97.39	99.31	72.23
TXND12	1.18	0.26	29.47	33.77	46.74	37.48	44.32
TXND15	1.11	0.50	31.19	25.53	29.11	35.56	33.08
TXND16	1.29	0.33	5.73	1.65	3.26	3.96	5.56
TXND17	1.73	0.01	4.47	4.67	5.61	3.40	7.58
TXND5	-1.68	0.00	112.04	138.90	126.63	95.35	70.71
TXND9	-1.46	0.01	28.44	32.26	35.51	27.18	17.80
TXNIP	-1.38	0.03	289.44	308.96	350.12	365.66	190.66
TXNL1	1.24	0.13	32.11	35.69	31.07	35.56	46.09
TXNL4A	-1.32	0.26	5.16	4.39	4.83	4.08	3.79
TXNL4B	-1.11	0.57	15.94	14.00	19.58	15.63	15.91
TXNRD1	1.68	0.00	45.41	41.31	45.04	41.90	77.40
TXNRD2	1.35	0.21	7.34	5.49	7.44	8.49	7.07
TXNRD3	1.11	0.73	13.99	10.02	12.14	13.59	16.29
TYK2	1.46	0.00	34.98	24.02	27.28	27.74	44.57
TYMS	-2.01	0.00	86.12	102.39	89.82	81.54	34.47
TYRO3	-1.26	0.11	29.59	26.22	33.94	27.97	24.50
TYSND1	1.81	0.00	13.07	13.73	10.70	10.31	22.10
TYW1	1.04	0.86	12.27	8.65	8.62	10.76	11.11
TYW3	1.47	0.18	2.06	2.20	1.57	2.26	2.65
TYW5	-1.31	0.25	11.12	10.57	14.36	7.25	6.94
U2AF1	-1.28	0.08	41.97	49.96	43.21	38.50	31.31
U2AF1L4	-1.01	0.99	10.32	12.08	15.14	10.42	10.61
U2AF2	-1.12	0.47	147.24	153.73	135.38	143.71	124.63
U2SURP	1.01	0.97	76.14	62.73	88.51	98.97	72.86
UACA	1.07	0.73	24.66	25.12	32.90	28.31	33.33
UAP1	1.25	0.14	173.39	161.69	188.64	202.48	205.69
UAP1L1	-1.31	0.06	62.96	72.33	62.27	65.79	43.18
UBA1	1.19	0.27	115.02	135.20	127.02	129.89	166.80
UBA2	-1.04	0.84	63.76	52.98	69.58	65.57	61.24
UBA3	1.19	0.26	21.33	24.29	23.50	29.90	29.42

UBA5	-1.38	0.02	76.14	71.37	81.07	88.22	50.25
UBA52	1.15	0.44	253.66	370.87	270.23	248.46	375.90
UBA6	1.11	0.52	24.77	31.29	36.03	30.80	37.50
UBA7	-1.26	0.25	12.73	12.22	9.79	11.66	5.56
UBAC1	1.09	0.58	33.94	37.61	35.64	30.69	36.37
UBAC2	1.14	0.54	19.38	22.37	19.06	19.70	26.64
UBALD1	1.69	0.00	5.39	8.37	5.74	6.91	11.74
UBALD2	1.05	0.96	25.11	27.86	19.19	18.69	31.19
UBAP1	1.56	0.00	27.41	28.96	30.29	32.27	53.41
UBAP1L	1.18	0.61	0.11	1.10	2.48	0.91	1.14
UBAP2	-1.26	0.08	68.00	66.02	65.53	67.15	47.73
UBAP2L	-1.07	0.68	81.88	68.49	74.15	77.35	68.56
UBB	-1.58	0.00	336.11	464.34	356.52	355.36	213.65
UBC	1.59	0.00	413.63	402.30	351.17	496.46	642.32
UBE2A	-1.03	0.98	3.90	6.59	3.52	5.32	5.18
UBE2B	1.25	0.22	50.46	58.88	56.27	44.16	73.49
UBE2C	-2.85	0.00	51.83	73.71	43.47	47.79	13.64
UBE2D1	1.71	0.03	3.78	1.78	4.57	4.76	8.21
UBE2D2	1.38	0.02	64.91	67.94	66.84	67.83	97.23
UBE2D3	1.29	0.06	35.89	38.16	41.38	33.97	53.79
UBE2D4	-1.11	0.63	9.29	7.55	9.92	9.74	11.11
UBE2E1	-1.13	0.40	60.09	56.55	63.71	53.22	50.51
UBE2E2	4.27	0.00	5.16	9.61	7.83	8.04	38.89
UBE2E3	-1.44	0.01	65.94	62.04	60.96	80.29	43.18
UBE2F	1.10	0.76	7.68	8.92	10.44	8.49	12.12
UBE2G1	1.25	0.20	28.44	34.45	28.85	32.05	38.39
UBE2G2	1.02	0.91	27.18	31.84	26.24	24.35	26.77
UBE2H	-1.05	0.80	19.95	17.84	16.58	17.89	17.30
UBE2I	-1.36	0.03	18.58	21.82	20.76	17.55	14.90
UBE2J1	-1.71	0.00	33.83	32.39	31.98	26.61	20.71
UBE2J2	1.08	0.70	21.10	20.18	20.89	17.89	26.52
UBE2K	1.36	0.02	22.25	26.08	20.50	22.76	31.19
UBE2L3	-1.38	0.19	4.13	3.43	4.44	3.96	2.90
UBE2L6	5.23	0.00	0.69	0.96	0.91	0.79	5.93
UBE2M	-1.16	0.38	27.75	36.65	30.16	27.40	29.42
UBE2N	-1.39	0.02	48.97	57.65	63.45	48.24	44.83
UBE2O	-1.02	0.92	47.02	55.18	48.30	51.41	50.76
UBE2Q1	1.14	0.58	154.12	188.18	190.07	165.33	243.19
UBE2Q2	1.20	0.33	335.08	441.28	306.78	377.44	479.94
UBE2R2	1.37	0.02	55.04	55.31	56.13	58.32	85.36
UBE2S	-2.96	0.00	48.97	90.73	57.05	44.28	16.92
UBE2T	-1.01	0.95	4.70	3.57	1.96	2.26	3.28
UBE2V1	1.05	0.78	36.70	36.92	35.90	36.12	35.10
UBE2V2	-1.10	0.63	12.84	15.78	15.27	14.72	12.88
UBE2W	1.07	0.71	22.13	31.71	28.33	26.05	32.20
UBE2Z	1.06	0.74	81.76	90.86	89.42	89.46	87.63
UBE3A	-1.07	0.76	9.29	11.80	13.19	10.19	8.71

UBE3B	-1.05	0.79	47.25	40.77	42.17	50.85	41.29
UBE3C	-1.10	0.89	111.92	276.71	166.84	128.64	164.53
UBE3D	-1.52	0.15	2.75	3.84	4.57	3.74	2.40
UBE4A	1.24	0.15	63.42	60.39	67.49	69.30	71.34
UBE4B	1.10	0.56	60.55	72.20	71.28	77.91	72.35
UBFD1	-1.62	0.00	50.57	68.77	53.65	48.81	34.22
UBIAD1	1.20	0.44	10.44	6.73	6.66	6.91	12.12
UBL3	1.24	0.23	72.36	88.12	90.47	86.63	120.08
UBL4A	-1.41	0.36	1.72	2.20	1.57	1.36	0.76
UBL5	-1.10	0.72	7.22	9.75	6.40	6.34	6.06
UBL7	1.30	0.14	9.06	9.20	7.44	8.38	11.74
UBLCP1	1.10	0.63	19.95	17.84	17.75	19.25	24.12
UBN1	-1.46	0.00	46.67	42.55	43.99	43.15	29.04
UBN2	1.01	0.97	32.45	25.94	25.20	33.86	34.22
UBOX5	1.18	0.39	9.17	8.65	7.18	9.17	11.24
UBP1	1.14	0.40	148.85	124.08	129.63	136.00	147.35
UBQLN1	-1.00	0.99	26.83	28.96	31.46	29.67	29.55
UBQLN2	-1.13	0.47	40.37	38.71	49.87	38.96	33.59
UBQLN4	-1.15	0.54	10.44	8.37	9.40	13.02	6.69
UBR1	1.14	0.37	47.93	41.18	44.52	49.37	51.26
UBR2	1.12	0.47	43.69	39.80	45.56	56.73	52.65
UBR3	-1.32	0.04	83.37	73.16	87.73	77.68	59.35
UBR4	1.01	0.96	222.70	184.47	214.36	214.26	210.61
UBR5	1.43	0.01	132.33	107.06	124.54	135.55	185.99
UBR7	-1.47	0.01	44.84	42.41	39.82	41.45	22.60
UBTD1	1.53	0.01	18.00	24.57	15.93	22.54	34.60
UBTD2	1.74	0.00	8.83	9.20	8.35	7.93	16.16
UBTF	1.04	0.85	109.51	115.43	96.60	109.62	100.26
UBXN1	1.89	0.00	10.32	13.45	10.31	12.80	24.87
UBXN10	3.16	0.01	0.23	0.14	0.52	0.45	1.52
UBXN11	1.25	0.37	4.47	3.02	4.83	6.91	5.81
UBXN2A	1.05	0.85	6.42	5.49	5.48	3.51	7.32
UBXN2B	1.48	0.03	13.19	6.73	8.22	11.78	16.41
UBXN4	-1.27	0.09	91.28	94.71	100.26	94.22	65.53
UBXN6	1.27	0.12	18.58	22.10	18.54	20.72	28.54
UBXN7	1.08	0.68	30.04	30.88	27.94	30.01	37.50
UBXN8	1.29	0.29	7.80	6.59	7.57	7.47	12.12
UCHL1	-1.74	0.00	24.54	25.12	31.20	20.16	16.16
UCHL3	1.68	0.00	7.11	9.33	6.27	6.91	13.76
UCHL5	-1.10	0.59	22.13	24.57	27.02	21.97	22.22
UCK1	-1.48	0.01	29.93	33.90	24.41	25.25	16.04
UCK2	1.08	0.74	11.01	13.18	8.35	9.17	11.36
UCKL1	1.29	0.10	15.60	18.12	22.19	21.74	22.10
UCMA	-17.16	0.00	16.74	63.82	5.48	5.78	0.13
UCP2	3.06	0.00	8.49	8.92	4.31	8.15	28.79
UEVLD	1.30	0.09	11.70	10.98	11.23	10.64	13.13
UFC1	1.16	0.34	33.14	41.18	34.73	34.54	46.09

UFD1L	1.03	0.86	43.69	48.31	48.17	39.97	51.64
UFL1	-1.42	0.01	39.68	41.73	44.65	40.09	24.24
UFM1	-1.17	0.30	31.88	36.92	39.29	35.45	31.19
UFSP1	2.13	0.03	1.49	0.69	0.65	1.02	1.39
UFSP2	-1.01	0.97	23.51	22.78	28.33	29.22	21.84
UGCG	-1.13	0.69	8.94	4.39	7.31	7.70	5.30
UGDH	-2.67	0.00	446.20	619.58	511.87	410.96	117.18
UGGT1	1.19	0.24	118.80	117.90	132.63	125.81	163.01
UGGT2	-4.13	0.00	142.88	155.51	181.20	109.62	25.51
UGP2	-1.19	0.27	505.94	595.83	571.66	529.52	374.76
UHMK1	1.10	0.63	9.06	9.20	8.09	8.61	9.47
UHRF1	-3.71	0.00	88.30	81.26	72.71	65.68	8.71
UHRF1BP1	1.16	0.38	28.21	25.67	28.20	36.12	37.88
UHRF1BP1L	1.47	0.01	72.93	77.14	60.57	99.31	110.11
UHRF2	-1.10	0.57	28.32	32.80	37.08	34.31	27.78
UIMC1	-1.03	0.87	17.09	17.02	22.72	22.31	17.42
ULBP21	2.46	0.02	4.13	3.71	4.31	8.83	25.51
ULBP3	-2.21	0.80	14.68	2.61	4.05	0.23	0.51
ULK1	2.02	0.00	45.53	43.24	34.46	51.87	102.91
ULK2	-1.18	0.25	37.61	32.80	36.03	39.18	29.42
ULK3	-1.04	0.88	22.93	15.78	19.06	23.78	18.18
ULK4	1.14	0.63	5.50	3.71	2.48	4.76	4.67
UMAD1	-1.62	0.00	27.52	34.31	31.33	29.67	15.15
UMPS	1.04	0.86	7.00	8.51	7.96	7.81	7.20
UNC119	-1.88	0.00	25.23	30.33	20.89	19.14	9.34
UNC119B	-1.07	0.70	27.52	24.57	23.11	25.59	23.99
UNC13B	1.06	0.74	7.80	3.98	9.53	14.16	8.59
UNC13D	-1.20	0.55	3.10	2.33	3.13	3.06	2.40
UNC45A	1.12	0.45	37.27	38.02	39.16	36.80	42.93
UNC50	-1.19	0.22	39.33	41.86	36.29	36.58	34.22
UNC5B	1.66	0.05	3.55	3.84	4.18	4.87	5.30
UNC5C	-1.69	0.02	57.80	58.75	57.05	25.25	26.64
UNC80	-1.13	0.90	3.78	1.10	3.26	5.66	2.65
UNC93B1	1.55	0.02	8.37	13.18	10.18	10.53	21.47
UNG	-1.20	0.26	33.94	48.18	45.56	45.30	38.76
UNK	-1.20	0.21	35.55	29.37	33.94	32.95	30.05
UNKL	1.49	0.01	26.03	17.43	27.02	27.52	34.72
UPF1	-1.05	0.80	115.25	124.35	114.75	122.42	99.12
UPF2	1.17	0.45	98.39	126.28	107.31	104.52	139.15
UPF3A	1.05	0.88	4.01	3.57	4.83	4.53	4.55
UPF3B	-1.05	0.91	12.16	5.49	10.31	10.76	7.45
UPK3B	2.32	0.01	2.18	1.24	1.17	1.59	5.93
UPP1	1.95	0.02	1.49	2.20	3.39	1.93	2.53
UPRT	-1.14	0.55	9.52	7.14	10.05	7.59	7.95
UQCC	-1.01	0.95	18.12	20.59	17.49	18.46	17.05
UQCC3	1.10	0.64	12.38	18.53	13.84	13.25	18.31
UQCR10	-1.02	0.96	13.99	20.59	21.80	17.33	18.94

UQCR11	-1.24	0.29	15.25	21.41	17.23	12.91	11.11
UQCRB	-1.29	0.14	14.79	16.75	12.01	14.61	12.00
UQCRC1	1.11	0.53	40.59	50.10	39.29	36.92	47.60
UQCRC2	-1.11	0.58	11.93	11.67	11.75	9.40	11.87
UQCRF51	-1.08	0.67	26.83	30.75	25.85	25.14	26.39
UQCRH	1.17	0.32	80.62	128.06	101.30	99.43	125.76
UQCRO	1.11	0.55	14.79	16.47	14.62	12.68	15.15
URB1	1.19	0.33	14.91	10.98	14.36	15.85	19.70
URB2	1.21	0.27	9.17	10.98	10.97	13.02	14.65
URGCP	-1.03	0.86	16.28	14.00	15.67	14.95	15.40
URI1	-1.04	0.82	22.36	25.80	27.15	27.29	21.59
URM1	1.17	0.33	16.17	17.57	12.79	17.55	18.56
UROC1	1.03	0.91	7.22	8.78	6.40	6.45	6.69
UROD	-1.34	0.06	15.71	15.51	14.49	14.04	10.61
UROS	-2.39	0.04	30.04	7.55	12.79	7.25	4.67
USB1	1.37	0.15	4.82	5.63	5.74	5.78	8.71
USE1	-1.30	0.07	22.93	26.35	26.89	23.10	17.68
USF1	1.79	0.00	10.21	10.02	9.92	12.23	19.82
USF2	1.26	0.10	33.26	42.69	35.77	37.03	48.99
USF3	1.32	0.06	16.86	18.80	17.62	19.14	27.27
USO1	-1.21	0.24	140.13	126.69	169.97	126.49	121.72
USP1	-1.36	0.02	78.44	79.06	80.94	84.37	58.21
USP10	1.01	0.93	30.16	33.77	25.72	31.71	28.41
USP11	-1.18	0.27	81.76	74.53	82.51	75.87	59.47
USP12	1.15	0.40	12.96	14.00	16.97	12.00	17.17
USP13	-2.13	0.00	11.12	8.65	9.79	12.34	4.67
USP14	-1.29	0.06	39.68	42.82	43.21	35.56	32.96
USP15	1.24	0.16	27.41	22.10	30.68	27.40	35.48
USP16	1.11	0.50	51.03	46.80	53.78	54.47	61.62
USP18	1.60	0.30	1.03	1.10	0.78	0.45	0.63
USP19	1.10	0.55	61.24	48.59	56.92	61.83	61.74
USP2	-2.09	0.00	14.45	14.00	8.75	10.08	5.18
USP20	1.28	0.20	22.25	13.86	18.28	19.70	19.07
USP21	-1.00	0.99	10.66	12.35	12.53	13.82	13.51
USP22	-1.12	0.48	158.25	155.37	157.05	142.46	122.48
USP24	-1.13	0.57	85.43	70.96	72.71	110.64	77.91
USP25	-1.07	0.71	41.28	34.31	45.43	45.18	34.60
USP27X	1.20	0.53	6.54	7.69	9.01	4.64	9.47
USP28	-1.37	0.03	49.08	36.65	48.43	46.88	27.91
USP3	1.25	0.20	12.73	14.55	13.71	19.14	21.84
USP30	-1.06	0.77	30.50	26.77	23.76	26.61	25.76
USP31	-1.62	0.11	58.94	81.53	33.81	26.27	43.69
USP32	1.02	0.90	37.15	26.35	36.68	29.67	37.63
USP33	-1.39	0.03	85.78	58.61	84.72	73.38	46.47
USP34	-1.02	0.92	187.84	177.06	180.68	225.81	211.75
USP35	-1.73	0.07	3.78	6.59	6.66	3.28	2.65
USP36	-1.11	0.53	27.18	31.16	29.11	26.84	27.78

USP37	-1.02	0.90	43.92	37.06	43.47	47.45	37.88
USP38	-1.11	0.53	16.51	16.06	16.97	15.06	16.67
USP39	-1.03	0.88	29.01	26.08	27.15	28.99	29.17
USP4	1.50	0.00	26.95	30.33	29.90	28.76	51.52
USP40	-1.11	0.56	72.02	53.39	78.72	73.61	56.06
USP42	-1.14	0.54	21.44	16.06	12.92	15.85	13.89
USP45	-1.04	0.86	8.26	5.76	6.27	6.23	8.21
USP46	-1.28	0.06	47.25	50.65	48.56	49.83	40.41
USP47	-1.14	0.41	135.66	123.53	143.21	142.01	121.34
USP48	-1.10	0.63	81.88	66.84	92.30	88.10	64.14
USP49	-1.55	0.00	27.64	20.86	22.32	26.50	19.07
USP5	1.08	0.65	49.20	43.24	40.86	46.09	57.83
USP53	1.04	0.80	46.10	25.80	68.67	21.63	66.29
USP54	1.05	0.80	37.73	32.12	28.20	38.62	31.82
USP6NL	-1.19	0.58	17.77	14.14	17.10	32.05	13.51
USP7	1.14	0.40	124.77	115.43	128.98	130.80	156.19
USP8	-1.03	0.88	63.87	54.90	73.63	74.97	59.72
USP9X	1.09	0.60	258.59	375.81	258.87	244.72	329.43
USP9Y	-1.07	0.93	61.35	0.14	60.05	67.95	64.52
USPL1	1.09	0.59	37.61	35.96	32.24	36.46	43.81
UST	-2.09	0.00	22.59	25.80	24.54	22.65	10.35
UTP11L	-1.03	0.87	21.90	22.51	24.15	22.20	22.48
UTP14A	3.50	0.00	27.52	37.06	35.64	30.24	130.31
UTP15	1.26	0.14	12.50	12.22	16.32	12.68	18.18
UTP18	1.54	0.00	12.04	9.47	11.36	13.82	18.31
UTP20	1.35	0.04	20.99	16.88	22.32	21.40	32.70
UTP23	-1.45	0.02	10.32	11.26	11.62	12.57	7.95
UTP3	1.25	0.19	9.40	11.80	10.57	10.76	13.76
UTP4	1.54	0.01	7.22	13.73	13.58	11.66	19.57
UTP6	1.27	0.10	79.70	66.57	81.59	68.29	103.03
UTRN	-1.05	0.80	159.97	171.98	174.54	191.95	149.63
UVRAG	1.19	0.37	7.00	7.96	7.57	7.59	8.33
UVSSA	-1.28	0.16	49.88	44.20	33.03	36.01	27.78
UXS1	-1.63	0.00	191.16	180.90	175.06	169.86	92.93
UXT	1.27	0.26	6.77	12.49	9.92	7.02	14.02
VAC14	1.27	0.09	19.72	19.22	16.97	17.10	23.36
VAMP1	1.07	0.88	1.72	2.20	2.61	2.26	2.78
VAMP2	-1.31	0.10	16.17	12.76	15.80	14.95	10.61
VAMP3	-1.00	0.95	34.06	38.29	33.16	33.75	42.17
VAMP4	-1.10	0.71	4.13	5.76	5.09	5.44	4.29
VAMP5	2.30	0.00	1.26	1.51	2.09	1.25	3.41
VAMP7_1	1.32	0.16	5.96	6.18	8.09	5.78	9.34
VAMP7_2	1.16	0.59	4.36	3.29	2.48	2.49	3.91
VAMP8	-1.01	0.97	16.05	21.41	19.32	16.76	21.59
VANGL1	-2.28	0.00	9.63	10.57	11.75	8.04	4.80
VAPA	-1.15	0.34	66.28	69.86	70.36	69.08	65.53
VAPB	-1.30	0.07	47.59	62.04	57.44	48.24	35.23

VARS	1.03	0.92	52.86	65.61	64.10	57.87	70.33
VARS2	-1.14	0.48	18.23	14.82	15.27	18.12	13.01
VASH1	-1.47	0.02	24.43	18.67	26.24	18.57	17.55
VASN	1.95	0.01	2.52	3.43	2.35	2.72	4.42
VASP	1.63	0.00	38.87	44.47	50.39	50.73	85.10
VAT1	1.68	0.00	47.13	46.53	55.22	47.90	93.06
VAV2	1.25	0.22	116.17	112.55	75.06	98.52	95.96
VAV3	1.10	0.55	25.34	19.08	31.72	22.88	26.14
VBP1	-1.19	0.44	9.75	17.71	15.67	15.29	10.61
VCAM1	74.88	0.00	7.91	9.33	7.83	29.22	1198.79
VCAN	-2.17	0.01	1033.79	778.79	696.85	2270.18	368.07
VCL	1.12	0.56	57.91	65.75	92.69	58.77	76.27
VCP	-1.10	0.55	246.44	265.45	243.47	229.77	252.54
VCPIP1	1.17	0.27	29.82	31.84	32.51	31.71	40.15
VCPKMT	1.09	0.77	4.47	4.94	4.05	4.98	5.56
VDAC1	-1.58	0.00	99.54	129.71	133.68	98.63	59.22
VDAC2	-1.40	0.06	46.90	79.61	52.48	56.28	39.52
VDAC3	3.25	0.00	29.82	37.06	37.08	25.48	131.44
VDR	5.72	0.00	2.29	0.69	1.70	0.68	8.84
VEGFA	1.41	0.05	156.65	231.14	224.15	315.61	259.99
VEGFB	-1.07	0.74	22.82	29.65	23.50	21.63	24.87
VEGFC	3.27	0.00	0.34	1.10	1.17	1.70	2.15
VEZF1	1.29	0.08	79.24	60.39	68.67	75.76	99.25
VEZT	-1.08	0.67	39.79	29.51	38.77	35.56	34.98
VGLL4	1.48	0.08	76.49	85.92	54.44	94.10	67.17
VHL	1.44	0.08	4.82	4.94	3.79	5.55	7.58
VILL	-4.62	0.00	57.91	64.24	46.87	53.34	13.64
VIM	-1.40	0.09	1248.69	1622.92	1510.81	852.49	911.02
VIMP	-1.17	0.32	70.07	63.00	77.54	59.34	64.52
VIPAS39	1.18	0.28	22.82	23.33	18.28	22.54	29.17
VIPR2	-1.41	0.06	26.83	44.20	35.38	39.75	38.13
VIT	-1.60	0.01	170.64	127.37	149.87	173.04	59.22
VKORC1	-1.37	0.04	53.78	80.43	66.45	55.83	42.17
VLDLR	48.50	0.00	0.92	0.96	1.31	0.45	53.41
VMA21	1.15	0.38	22.59	18.26	19.58	22.08	22.10
VMAC	-2.03	0.00	31.76	27.18	32.90	35.45	8.59
VMP1	2.33	0.00	20.30	27.18	28.72	20.95	63.51
VN1R1	-1.02	0.89	2.64	1.37	1.17	2.72	2.40
VNN1	478.07	0.00	0.23	0.69	0.26	0.45	327.92
VNN2	291.85	0.00	0.00	0.00	0.00	0.00	5.43
VOPP1	-1.28	0.16	13.53	10.57	12.92	14.72	11.24
VPRBP	-1.03	0.86	46.10	43.78	43.21	50.51	41.04
VPS11	1.17	0.29	25.69	26.90	25.59	25.25	31.82
VPS13A	1.35	0.43	1.38	0.82	1.31	1.59	2.02
VPS13B	1.06	0.70	95.64	70.00	88.38	107.35	98.99
VPS13C	2.03	0.00	18.23	13.73	14.23	21.18	37.50
VPS13D	1.07	0.68	74.65	66.57	67.49	102.94	96.59

VPS16	1.07	0.68	25.34	24.16	26.63	27.86	27.40
VPS18	1.17	0.49	10.89	15.78	11.49	10.64	10.73
VPS25	1.05	0.77	36.70	49.14	42.69	35.90	38.26
VPS26A	1.14	0.65	268.22	384.32	305.48	262.04	414.41
VPS26B	1.14	0.40	31.54	33.63	28.98	27.97	37.88
VPS28	1.04	0.80	36.12	43.78	37.86	33.29	40.03
VPS29	1.01	0.98	23.62	27.31	28.07	27.40	27.15
VPS33A	-1.00	1.00	26.95	20.86	25.72	23.44	21.97
VPS33B	-1.10	0.67	16.17	11.53	14.36	13.36	10.86
VPS35	-1.15	0.34	49.08	55.18	52.48	52.09	42.68
VPS36	1.18	0.25	54.24	58.61	60.44	64.78	68.69
VPS37A	3.06	0.00	13.76	14.41	17.62	15.97	72.73
VPS37B	3.15	0.00	24.20	26.90	18.28	30.24	100.51
VPS37C	1.06	0.82	4.01	3.16	3.26	1.81	3.28
VPS37D	2.08	0.02	1.26	1.10	0.78	2.04	3.16
VPS39	1.45	0.01	28.10	25.67	23.63	30.58	44.57
VPS41	1.46	0.00	22.02	28.41	23.37	26.39	36.74
VPS45	-1.26	0.33	7.34	7.96	5.48	7.47	3.41
VPS4A	-1.15	0.40	49.31	60.67	50.39	43.03	46.47
VPS4B	1.27	0.08	34.63	38.84	37.21	34.54	50.25
VPS50	1.10	0.65	13.76	10.02	12.66	14.61	15.15
VPS51	1.14	0.41	18.12	17.71	18.02	14.95	19.07
VPS52	-1.07	0.69	42.43	40.49	43.86	49.15	36.74
VPS53	1.59	0.00	11.24	11.53	15.93	13.48	21.72
VPS54	-1.06	0.75	51.83	59.84	44.26	51.75	49.12
VPS72	1.06	0.77	12.96	19.63	14.23	16.42	18.31
VPS8	1.13	0.54	53.67	66.98	58.88	50.62	79.42
VPS9D1	1.72	0.04	4.82	2.06	1.96	4.53	5.93
VRK1	-2.48	0.00	23.05	22.51	21.15	22.65	4.67
VRK2	1.04	0.81	18.92	18.12	20.37	23.10	21.21
VRK3	1.03	0.97	5.85	4.53	5.61	7.02	6.82
VSIG10	-1.07	0.93	19.15	9.33	9.14	9.40	13.26
VSIG10L	1.44	0.20	4.01	1.78	2.61	2.94	4.29
VSIG8	2.19	0.01	2.18	1.10	1.04	1.47	2.53
VSTM2L	-4.97	0.00	4.93	2.88	8.75	1.59	0.38
VSTM4	-3.10	0.00	14.56	11.80	14.10	10.87	2.27
VTA1	1.25	0.13	23.97	24.43	22.85	20.27	29.55
VTI1A	-1.67	0.13	1.61	3.02	2.35	2.04	1.01
VTI1B	1.01	0.93	22.59	31.57	28.20	25.37	27.15
VWA1	1.71	0.00	52.75	79.33	59.79	84.14	98.62
VWA3A	3.76	0.00	0.34	0.14	0.52	0.57	2.15
VWA5A	8.22	0.00	8.26	6.45	9.92	6.57	81.82
VWA5B2	-1.17	0.70	1.15	0.82	0.78	1.25	1.39
VWA7	1.82	0.14	1.95	1.65	0.39	2.94	5.68
VWA8	1.12	0.54	24.43	18.80	24.67	20.16	28.54
VWA9	1.04	0.87	10.78	14.55	12.40	16.65	14.27
VWCE	-10.07	0.00	22.13	18.94	10.97	23.78	2.90

VWF	1.02	0.85	7.22	22.78	60.96	12.34	11.24
WAC	-1.27	0.14	248.73	299.77	221.14	229.20	158.72
WAPL	-1.12	0.49	78.78	80.98	82.64	83.91	70.71
WARS	1.95	0.00	26.03	26.08	31.33	24.57	68.31
WARS2	1.72	0.00	8.49	7.00	8.75	9.74	15.66
WASF2	1.36	0.03	101.37	121.47	110.05	109.51	165.92
WASF3	-1.15	0.58	5.85	4.39	6.27	5.78	4.04
WASH1	1.30	0.08	16.05	14.14	13.19	14.95	20.83
WASL	1.06	0.74	16.51	14.55	11.88	16.42	13.64
WBP1	-1.87	0.00	42.89	43.65	37.34	41.79	18.18
WBP11	-1.08	0.64	46.56	60.12	48.69	47.68	44.83
WBP1L	1.77	0.00	14.45	11.94	11.10	13.59	24.62
WBP2	-1.06	0.78	44.15	61.63	42.69	47.56	44.95
WBP4	1.51	0.00	20.41	16.88	18.67	21.63	30.05
WBP5	-1.11	0.60	18.58	29.10	20.50	22.88	19.32
WBSCR16	1.25	0.16	14.33	13.86	12.53	14.83	17.05
WBSCR22	1.25	0.15	17.77	24.84	18.54	16.99	27.65
WBSCR27	-1.53	0.11	3.44	6.18	4.57	5.32	3.41
WDFY1	1.12	0.62	19.49	16.47	22.58	17.21	26.64
WDFY2	1.38	0.18	4.47	4.12	3.13	4.64	7.07
WDFY3	1.36	0.03	86.46	65.61	79.63	86.06	121.97
WDFY4	-5.70	0.00	6.54	1.65	7.96	1.81	0.76
WDHD1	-2.21	0.00	53.90	38.29	42.43	40.99	19.70
WDPCP	1.11	0.76	2.41	1.10	1.17	2.49	2.15
WDR1	1.69	0.00	97.47	133.28	98.95	115.51	197.48
WDR11	1.06	0.75	53.55	52.29	62.66	72.25	55.94
WDR12	1.23	0.19	11.58	12.76	13.97	12.00	15.03
WDR13	1.32	0.07	40.14	29.24	33.68	44.96	42.43
WDR17	-2.14	0.00	12.50	8.51	8.88	10.64	4.29
WDR18	1.02	0.95	7.91	8.51	8.62	7.93	8.46
WDR19	1.27	0.15	55.85	35.82	48.04	68.85	58.71
WDR20	1.08	0.74	12.04	13.31	14.10	11.21	13.76
WDR24	1.36	0.06	9.40	9.06	9.40	9.63	12.63
WDR25	1.26	0.52	2.06	2.20	1.96	2.60	3.54
WDR26	1.29	0.07	69.03	62.04	52.35	56.62	74.62
WDR27	-1.55	0.08	9.98	5.08	6.66	5.89	3.91
WDR3	1.09	0.62	19.27	17.43	24.80	20.16	21.59
WDR31	-1.37	0.36	8.83	3.57	5.61	6.34	1.77
WDR33	-1.03	0.92	82.45	60.67	69.58	58.77	70.20
WDR34	-1.22	0.20	23.05	28.82	23.37	24.23	18.44
WDR35	-1.11	0.60	50.23	44.88	32.51	45.75	40.15
WDR36	1.11	0.52	42.89	37.61	46.60	47.56	51.39
WDR37	1.23	0.18	16.74	15.10	16.19	17.21	22.98
WDR4	1.97	0.00	4.59	4.53	3.39	3.40	9.60
WDR41	-1.20	0.21	30.62	29.92	30.81	28.54	26.52
WDR43	-1.07	0.72	30.04	27.86	34.73	27.52	28.03
WDR44	-1.14	0.48	21.44	19.35	15.27	16.65	16.79

WDR45	2.19	0.00	5.16	5.22	3.39	5.10	11.24
WDR45B	1.11	0.47	44.15	44.61	38.12	43.26	49.88
WDR46	1.19	0.31	12.96	13.18	12.40	9.97	15.40
WDR47	-1.35	0.06	28.32	19.35	22.72	21.06	15.91
WDR48	1.09	0.61	28.21	26.35	26.89	32.50	30.30
WDR5	-1.07	0.72	18.46	17.71	19.71	17.67	17.30
WDR53	1.09	0.75	5.85	7.96	6.79	5.21	7.58
WDR54	-1.01	0.98	1.72	2.75	2.35	2.72	1.89
WDR55	1.04	0.82	31.65	27.73	33.81	33.07	31.95
WDR59	-1.02	0.94	17.32	14.00	17.10	14.61	14.39
WDR6	-1.49	0.01	109.06	73.71	99.87	98.29	54.42
WDR60	1.14	0.47	15.94	16.33	13.32	17.78	15.66
WDR61	-1.18	0.29	20.87	25.12	26.24	23.10	19.70
WDR62	-1.98	0.00	24.20	23.20	20.50	21.29	8.97
WDR63	-3.51	0.00	2.87	2.06	1.31	0.79	0.63
WDR7	-1.11	0.59	18.58	14.55	15.53	16.65	13.89
WDR70	-1.06	0.78	19.72	14.41	18.54	17.55	14.77
WDR73	1.06	0.85	1.72	1.51	2.35	3.40	2.40
WDR74	1.83	0.00	5.39	6.04	6.14	9.29	13.13
WDR75	1.38	0.09	28.21	21.27	36.81	26.95	39.14
WDR76	-1.35	0.06	59.75	41.18	49.48	54.47	25.88
WDR77	1.32	0.04	22.36	21.41	20.89	18.91	30.18
WDR78	-1.18	0.61	2.18	1.92	2.48	2.72	2.02
WDR81	1.62	0.00	23.85	18.67	18.67	22.88	32.20
WDR82	-1.12	0.51	87.38	96.22	75.06	91.50	74.12
WDR83	-1.05	0.78	28.90	22.92	31.72	21.86	23.23
WDR83OS	-1.05	0.86	17.77	28.82	20.23	20.38	22.10
WDR89	-1.17	0.63	5.50	9.33	8.35	4.87	5.56
WDR90	-1.67	0.02	11.70	8.78	12.40	8.95	3.03
WDR91	1.19	0.31	21.90	18.39	15.93	17.10	24.24
WDR92	-1.33	0.06	14.68	15.78	15.67	15.29	11.11
WDR93	3.22	0.01	0.69	0.27	0.13	0.57	1.64
WDSUB1	1.32	0.30	5.28	3.71	3.00	3.96	4.17
WDTC1	1.20	0.30	13.42	13.31	11.10	14.16	15.91
WDYHV1	-1.25	0.25	12.27	12.22	11.62	8.61	8.08
WEE1	-1.39	0.03	40.94	48.86	39.42	44.16	27.40
WFDC1	-1.99	0.00	9.75	7.27	9.53	6.23	2.40
WFDC3	-1.10	0.77	2.29	4.12	2.35	2.38	2.90
WFS1	-1.38	0.04	15.94	16.88	13.97	13.59	11.11
WHAMM	4.31	0.00	8.72	9.47	8.62	10.42	56.06
WHSC1	-2.31	0.00	160.54	145.90	128.46	132.61	47.10
WHSC1L1	1.25	0.14	71.56	74.80	61.49	67.15	73.74
WIF1	-1.87	0.03	22.93	29.78	25.20	34.54	2.02
WIPF1	-1.25	0.30	7.68	9.88	9.14	7.25	7.20
WIPF2	1.65	0.00	12.73	9.75	10.18	15.74	22.22
WIPI1	-2.08	0.00	63.76	48.04	55.22	54.02	23.61
WIPI2	1.51	0.00	21.44	32.67	27.15	29.10	49.37

WISP1	-1.22	0.28	37.38	32.26	30.81	45.98	20.96
WISP2	1.32	0.59	1.03	0.27	0.65	2.72	1.01
WISP3	1.23	0.22	107.45	128.33	110.31	130.12	133.59
WIZ	1.11	0.50	38.30	33.77	38.25	34.54	41.92
WLS	1.12	0.56	109.17	90.59	116.32	70.21	120.21
WNK1	1.24	0.16	221.67	225.79	198.69	289.45	264.53
WNK2	-2.44	0.00	10.78	7.27	6.66	10.64	3.54
WNK3	-1.17	0.48	7.34	7.55	7.96	6.79	6.44
WNK4	-1.83	0.00	32.34	26.08	20.89	23.78	12.50
WNT11	1.28	0.61	4.82	5.22	3.52	8.61	2.90
WNT4	-4.74	0.00	10.21	21.55	7.96	9.29	3.16
WNT5A	9.80	0.00	1.38	0.27	0.52	0.79	5.68
WNT5B	3.19	0.00	1.38	0.55	1.57	0.11	3.66
WNT6	253.65	0.00	0.00	0.00	0.00	0.00	3.91
WNT8B	-1.76	0.14	1.61	1.10	1.83	1.13	1.39
WRAP53	-1.05	0.81	18.35	18.12	19.97	15.85	17.68
WRAP73	1.97	0.00	2.87	1.78	2.74	3.40	4.80
WRB	1.18	0.35	14.91	20.45	12.79	19.70	18.69
WRN	-1.20	0.21	40.02	41.18	43.99	39.07	32.96
WRNIP1	1.04	0.81	45.64	45.98	44.65	53.45	50.38
WSB1	1.05	0.88	439.43	393.79	513.31	476.75	358.22
WSB2	1.40	0.02	24.54	26.35	27.15	20.61	38.51
WSCD1	-4.10	0.00	6.77	1.65	6.66	1.59	1.01
WSCD2	-1.28	0.16	87.96	69.45	71.15	59.00	60.86
WTAP	2.93	0.00	22.02	20.59	19.71	18.23	62.25
WTIP	-1.58	0.01	31.08	30.33	47.91	28.08	19.07
WWC1	2.46	0.20	1.83	1.24	1.96	0.57	7.95
WWC2	1.64	0.00	58.48	54.22	62.53	45.18	111.37
WWC3	-1.12	0.58	11.47	11.67	10.31	9.97	6.82
WWOX	1.05	0.79	3.21	7.41	3.39	4.30	4.67
WWP1	1.05	0.80	29.13	26.35	30.29	24.80	27.02
WWP2	-2.18	0.00	11441.77	9773.49	11150.59	13196.10	2737.49
WWTR1	1.56	0.00	92.54	122.16	107.18	118.23	190.92
XAB2	1.27	0.16	13.42	20.31	12.79	14.38	18.69
XAF1	21.76	0.00	0.11	0.14	0.13	0.57	6.94
XBP1	3.62	0.00	101.37	130.26	119.58	114.26	659.62
XDH	92.80	0.00	1.95	3.84	4.83	1.25	372.49
XG	1.71	0.15	3.90	1.92	4.44	1.59	8.33
XIAP	1.01	0.92	87.73	70.41	56.79	61.26	68.44
XKR5	-4.01	0.00	26.26	24.43	21.41	19.36	2.40
XKR8	-1.29	0.44	3.90	6.31	6.79	3.28	4.80
XPA	-1.08	0.77	5.16	3.98	4.05	4.53	4.55
XPC	1.58	0.00	44.38	40.90	37.08	41.90	55.31
XPNPEP1	-1.19	0.26	31.19	36.78	31.85	30.01	26.52
XPNPEP2	452.86	0.00	0.00	0.00	0.00	0.00	13.01
XPNPEP3	-1.07	0.74	8.60	9.47	9.53	9.51	6.82
XPO1	-1.51	0.01	402.74	459.40	387.98	301.91	221.47

XPO4	-1.33	0.06	36.24	28.14	27.81	33.63	21.09
XPO5	1.16	0.34	38.65	43.10	48.95	42.92	52.53
XPO6	1.11	0.47	56.31	53.53	60.44	53.11	61.24
XPO7	-1.12	0.49	83.37	93.75	86.16	87.65	82.45
XPOT	-1.22	0.19	178.78	162.79	203.26	191.49	130.56
XPR1	1.41	0.11	5.73	9.33	3.66	6.57	7.83
XRCC1	-1.17	0.32	37.84	34.31	31.85	42.81	29.17
XRCC2	-2.39	0.00	7.11	3.84	6.14	3.40	2.40
XRCC3	-1.13	0.64	6.31	5.22	5.22	7.93	4.17
XRCC4	-1.39	0.06	11.70	14.82	10.57	13.93	8.21
XRCC5	1.13	0.47	24.20	28.55	19.32	23.89	28.41
XRCC6	1.12	0.49	21.90	28.55	27.41	25.93	25.76
XRCC6BP1	1.21	0.30	9.75	13.59	9.27	12.91	15.66
XRN1	-1.22	0.13	46.67	42.96	43.73	44.96	36.37
XRN2	1.00	1.00	65.82	61.22	61.10	63.53	65.66
XRRA1	-2.49	0.01	2.75	1.78	1.57	1.70	0.63
XXYLT1	-1.31	0.15	18.58	11.94	17.49	19.82	13.64
XYLB	1.02	0.98	2.98	2.61	3.00	2.49	3.54
XYLT1	-2.44	0.00	3481.41	3127.12	3162.74	3900.88	1074.92
XYLT2	-1.10	0.64	9.40	12.35	10.70	12.00	7.45
YAE1D1	-1.05	0.83	6.08	7.27	6.92	8.15	7.45
YAF2	-1.14	0.47	10.32	12.08	12.66	12.12	13.13
YAP1	1.22	0.32	67.20	59.29	56.53	79.50	63.89
YARS	1.44	0.02	14.56	14.55	11.62	15.63	24.12
YARS2	-1.08	0.81	6.19	4.94	8.35	6.00	5.43
YBEY	-1.27	0.17	15.71	16.75	21.80	18.35	11.36
YBX1	1.04	0.81	211.80	303.20	278.98	194.66	280.44
YBX2	-4.35	0.00	9.86	16.33	7.18	6.45	1.26
YBX3	3.17	0.00	49.08	60.12	50.39	55.26	203.67
YEATS2	-1.37	0.06	70.18	45.29	71.54	60.59	40.03
YEATS4	-1.16	0.53	8.14	12.35	12.92	9.06	9.72
YES1	1.58	0.00	14.33	17.98	20.37	21.97	35.23
YIF1A	-1.52	0.00	50.23	64.65	49.61	50.28	30.94
YIF1B	-2.48	0.00	33.71	47.77	36.42	27.18	11.36
YIPF1	1.18	0.56	4.36	3.57	2.74	2.94	4.80
YIPF2	-1.36	0.06	23.74	31.02	20.76	22.20	17.05
YIPF3	1.01	0.98	84.52	97.45	83.29	90.71	87.76
YIPF4	-1.05	0.74	45.41	49.69	49.22	49.60	45.46
YIPF5	-1.44	0.01	97.82	117.35	118.54	96.94	68.31
YIPF6	-1.07	0.67	60.43	59.57	56.53	64.55	49.12
YKT6	-1.56	0.00	46.79	46.39	42.56	34.65	29.29
YLPM1	-1.05	0.85	87.84	65.06	66.71	90.25	75.76
YME1L1	-1.14	0.40	108.25	114.47	117.75	107.13	96.59
YOD1	1.23	0.47	4.01	2.47	3.52	3.28	5.18
YPEL1	-2.71	0.00	3.67	4.80	1.83	2.60	1.26
YPEL2	-1.09	0.69	17.89	15.78	12.01	16.76	14.52
YPEL3	2.77	0.00	10.55	9.06	6.14	11.32	31.69

YPEL4	1.60	0.14	0.80	1.92	1.44	1.93	3.03
YPEL5	1.42	0.14	5.16	7.69	6.27	7.59	10.35
YRDC	-1.55	0.01	14.68	14.41	14.10	15.63	10.35
YTHDC1	1.12	0.50	73.28	72.75	89.42	85.61	80.94
YTHDC2	1.12	0.54	20.30	20.04	22.32	16.99	24.50
YTHDF1	1.16	0.38	26.15	24.29	21.80	19.59	26.52
YTHDF2	1.03	0.88	23.51	28.55	27.02	26.50	25.51
YTHDF3	1.08	0.63	84.29	82.90	88.25	84.14	91.67
YWHAB	-1.20	0.25	153.66	196.83	166.19	154.12	142.94
YWHAE	-1.09	0.66	254.23	345.34	313.96	284.24	262.76
YWHAG	-1.77	0.00	99.65	113.10	87.47	87.54	49.50
YWHAH	-1.46	0.01	106.19	119.00	114.10	92.86	80.18
YWHAQ	-1.69	0.00	234.97	337.10	255.22	271.44	141.04
YWHAZ	-1.07	0.85	4.47	4.53	3.39	2.49	2.27
YY1	-1.09	0.58	53.44	59.57	54.31	56.28	50.51
ZACN	1.03	0.94	5.05	4.53	4.44	3.85	4.80
ZADH2	1.51	0.07	6.42	11.80	6.40	9.40	10.23
ZAK	1.15	0.51	30.50	27.45	14.23	17.78	23.74
ZAR1L	-1.10	0.96	2.29	0.55	1.83	2.94	1.77
ZBED1	1.02	0.93	18.92	19.49	21.02	21.86	19.57
ZBED3	1.27	0.30	6.65	5.22	4.18	8.83	8.08
ZBED4	-1.31	0.09	29.36	22.65	22.85	32.61	20.83
ZBED5	-1.26	0.26	44.72	23.75	38.77	39.97	30.68
ZBED8	-2.01	0.00	55.50	43.92	56.66	45.30	18.56
ZBTB1	1.28	0.10	46.21	44.88	51.57	58.66	53.54
ZBTB10	-1.03	0.92	23.85	31.43	33.81	26.39	29.93
ZBTB11	-1.12	0.78	88.76	57.79	45.04	39.86	44.95
ZBTB12	-1.02	0.95	26.38	21.00	24.67	15.29	22.35
ZBTB14	-1.43	0.02	22.36	20.04	22.32	25.59	12.00
ZBTB16	-1.45	0.21	4.82	6.31	5.35	3.06	3.54
ZBTB17	1.33	0.06	12.04	13.04	11.88	13.25	19.19
ZBTB18	-1.62	0.00	25.00	29.37	33.81	21.18	22.60
ZBTB2	-2.93	0.00	22.13	29.24	27.55	18.35	7.95
ZBTB20	-1.52	0.02	56.99	34.18	40.99	35.11	37.12
ZBTB21	1.17	0.60	25.00	19.49	22.98	20.04	29.04
ZBTB22	1.15	0.50	9.17	10.84	10.70	11.21	10.10
ZBTB24	-1.08	0.70	14.22	12.22	15.01	14.16	13.01
ZBTB25	-1.10	0.74	5.62	4.67	7.57	5.78	4.92
ZBTB26	1.08	0.66	20.64	11.94	18.15	18.69	17.42
ZBTB3	-1.77	0.00	9.63	7.96	8.62	6.45	3.79
ZBTB33	1.05	0.79	29.36	28.00	35.38	36.80	30.81
ZBTB34	-1.02	0.92	22.59	15.78	18.54	18.91	18.31
ZBTB37	1.03	0.98	2.64	1.78	1.70	2.15	3.16
ZBTB38	1.07	0.70	43.00	39.80	42.82	49.60	41.54
ZBTB39	-1.18	0.35	21.10	15.65	21.28	23.33	18.18
ZBTB4	-1.26	0.15	147.01	174.18	140.60	124.00	97.35
ZBTB40	1.03	0.89	22.13	23.47	26.50	34.43	21.59

ZBTB41	-1.11	0.54	54.36	58.33	71.41	73.95	53.66
ZBTB42	2.13	0.01	16.05	13.59	7.18	8.38	42.68
ZBTB43	1.13	0.54	8.94	8.10	9.53	8.04	8.97
ZBTB44	1.23	0.17	61.92	72.06	64.23	75.53	95.96
ZBTB45	1.30	0.32	4.93	4.25	4.83	3.96	4.67
ZBTB46	-1.29	0.17	13.88	11.94	17.36	12.12	12.12
ZBTB47	-1.20	0.28	97.59	93.20	104.96	116.64	64.52
ZBTB48	1.52	0.05	3.90	4.80	5.35	5.21	6.06
ZBTB49	1.07	0.84	5.62	3.71	4.83	4.42	5.93
ZBTB5	-2.03	0.00	50.34	83.86	70.76	53.79	29.04
ZBTB6	-1.38	0.10	13.53	9.20	14.36	12.57	7.32
ZBTB7A	1.34	0.05	20.07	23.33	21.02	18.91	33.46
ZBTB7B	2.97	0.00	14.33	13.45	13.84	19.59	52.40
ZBTB7C	3.41	0.00	5.28	4.94	5.09	6.91	30.94
ZBTB8A	-1.28	0.36	4.47	4.67	6.53	4.53	2.65
ZBTB8OS	-1.01	0.99	7.68	12.08	7.31	8.83	7.58
ZBTB9	1.02	0.93	6.08	5.49	7.57	6.00	6.44
ZC2HC1A	-1.51	0.13	3.55	6.18	7.70	5.10	3.41
ZC3H10	1.21	0.37	20.18	14.41	14.36	11.10	16.67
ZC3H11A	1.07	0.71	197.93	182.00	199.74	225.13	196.35
ZC3H12A	22.48	0.00	4.24	4.67	2.61	6.00	148.87
ZC3H12C	1.88	0.00	18.46	13.86	18.15	23.67	53.29
ZC3H13	1.04	0.81	72.47	56.69	60.31	75.76	67.68
ZC3H14	-1.04	0.80	48.39	44.61	46.74	49.94	51.14
ZC3H15	1.05	0.85	9.52	12.22	10.97	9.17	11.49
ZC3H18	1.02	0.92	29.47	30.75	22.32	23.21	31.69
ZC3H3	1.27	0.23	7.00	6.18	5.74	6.23	8.59
ZC3H4	-1.04	0.85	48.28	40.77	34.73	40.99	42.05
ZC3H6	-1.02	0.89	27.29	26.08	27.94	23.44	30.56
ZC3H7A	-1.12	0.48	129.81	125.18	131.20	143.93	103.79
ZC3H7B	1.48	0.00	29.47	31.16	36.42	33.75	49.88
ZC3H8	-1.13	0.66	9.63	6.59	5.61	7.59	7.45
ZC3HAV1	2.77	0.00	14.10	10.29	14.23	16.99	38.13
ZC3HAV1L	-1.14	0.64	10.09	5.49	9.53	8.38	5.93
ZC3HC1	1.16	0.34	22.48	20.73	21.93	21.63	22.85
ZC4H2	-1.11	0.73	3.67	4.80	3.13	5.10	2.78
ZCCHC10	-1.21	0.50	4.24	3.71	3.39	3.40	2.90
ZCCHC11	1.10	0.55	33.83	26.49	37.99	40.54	36.37
ZCCHC14	2.10	0.00	24.20	21.96	20.50	23.89	45.46
ZCCHC17	-1.14	0.51	37.04	55.86	45.95	36.46	38.01
ZCCHC18	1.30	0.77	1.26	0.55	0.91	0.91	2.27
ZCCHC2	-1.03	0.92	11.70	11.12	16.32	13.59	10.35
ZCCHC24	1.00	0.91	48.85	44.33	41.91	42.81	38.64
ZCCHC3	-1.30	0.06	52.52	59.71	49.74	53.79	36.24
ZCCHC4	-1.11	0.69	4.59	5.35	4.70	4.19	5.05
ZCCHC6	1.23	0.12	34.63	32.80	33.42	37.37	39.77
ZCCHC7	1.02	0.93	10.44	10.02	9.27	9.63	10.23

ZCCHC8	-1.09	0.57	52.06	48.31	52.87	51.98	43.18
ZCCHC9	1.09	0.71	11.47	8.10	12.01	14.16	12.37
ZCRB1	-1.25	0.27	7.45	8.10	7.18	8.83	6.44
ZCWPW1	-1.69	0.10	17.77	10.29	11.49	5.89	3.79
ZCWPW2	-1.91	0.11	1.38	1.10	2.87	2.38	0.38
ZDBF2	2.16	0.12	0.92	0.14	0.13	1.02	1.89
ZDHHC1	-1.16	0.74	10.89	4.80	4.31	6.45	4.92
ZDHHC12	1.34	0.22	5.62	4.53	2.35	3.96	5.68
ZDHHC13	-1.42	0.07	13.76	11.12	10.31	17.10	10.48
ZDHHC15	-1.51	0.11	5.50	3.84	7.31	6.34	2.65
ZDHHC16	-1.03	0.89	16.74	14.96	12.66	17.33	14.02
ZDHHC17	1.25	0.20	11.47	10.16	13.45	13.02	17.68
ZDHHC18	1.77	0.00	17.77	16.47	15.53	12.46	32.58
ZDHHC2	8.97	0.00	1.15	1.10	0.91	3.17	15.40
ZDHHC20	1.36	0.02	26.03	26.35	25.33	24.80	35.23
ZDHHC21	-1.28	0.28	7.68	8.37	5.35	8.72	5.93
ZDHHC23	1.28	0.40	3.33	2.61	2.09	3.17	4.04
ZDHHC24	-1.02	0.95	5.62	5.63	4.44	5.32	5.05
ZDHHC3	1.07	0.73	37.96	37.47	25.46	31.03	32.58
ZDHHC4	1.13	0.49	36.35	37.47	34.59	20.61	37.75
ZDHHC5	1.28	0.11	32.22	29.51	20.76	26.16	38.51
ZDHHC6	-1.29	0.08	31.42	28.41	32.38	25.37	22.10
ZDHHC7	1.30	0.05	34.98	44.20	38.51	39.75	47.86
ZDHHC9	-1.13	0.51	64.45	59.71	67.49	44.84	59.09
ZEB1	1.38	0.03	25.92	35.82	42.30	38.96	50.76
ZEB2	11.00	0.00	0.11	0.14	0.26	0.00	1.77
ZER1	1.17	0.46	14.22	14.82	12.01	16.87	20.96
ZFAND1	-1.11	0.51	36.47	43.51	47.52	44.73	34.34
ZFAND2A	-1.48	0.12	7.11	4.94	4.44	5.66	2.78
ZFAND2B	-1.06	0.81	7.11	7.55	8.09	6.91	5.43
ZFAND3	1.48	0.00	49.08	55.18	53.52	49.71	84.22
ZFAND4	1.21	0.49	9.06	7.96	5.35	7.70	13.51
ZFAND5	-1.14	0.36	63.64	64.79	62.53	65.00	52.02
ZFAND6	1.42	0.13	3.90	5.35	4.05	4.42	5.30
ZFAT	-1.08	0.74	9.98	10.16	7.31	9.40	8.71
ZFC3H1	1.12	0.51	104.35	91.55	105.61	107.13	105.56
ZFHX2	1.37	0.27	3.33	3.02	3.13	2.15	5.05
ZFHX3	1.25	0.11	42.66	38.84	44.52	43.15	57.58
ZFHX4	-2.24	0.03	2.41	1.24	2.35	1.36	0.88
ZFP1	-1.43	0.28	8.49	3.02	5.48	5.78	3.91
ZFP14	-1.03	0.89	11.01	12.08	14.49	12.46	13.51
ZFP2	1.36	0.12	7.34	6.45	5.87	7.70	10.10
ZFP3	1.09	0.74	4.47	4.39	4.96	4.87	4.92
ZFP30	-1.05	0.77	22.25	21.27	25.20	21.97	26.39
ZFP36	3.85	0.00	8.49	5.63	9.66	10.31	40.15
ZFP36L1	4.77	0.00	45.41	51.88	42.82	82.78	355.82
ZFP36L2	6.11	0.00	55.73	45.02	65.01	68.85	585.88

ZFP37	-1.45	0.08	6.08	6.73	8.09	8.72	3.54
ZFP41	-1.53	0.03	9.86	7.69	9.01	10.53	4.80
ZFP57	-1.07	0.99	1.83	0.41	1.70	0.91	1.26
ZFP62	-1.14	0.47	18.00	17.16	20.76	23.21	16.92
ZFP64	1.04	0.69	36.93	62.86	25.33	24.80	43.56
ZFP69	-1.22	0.32	11.47	8.92	10.84	9.40	8.84
ZFP82	-1.08	0.79	13.07	9.75	16.06	9.29	9.85
ZFP90	1.02	0.93	22.36	18.53	21.41	18.46	20.20
ZFP91	1.03	0.92	158.37	190.24	171.80	177.34	204.68
ZFPL1	-1.52	0.00	55.16	51.47	44.26	50.96	38.13
ZFPM1	-1.31	0.47	2.52	1.92	1.57	1.81	1.14
ZFPM2	1.11	0.63	17.09	14.55	8.35	26.39	16.41
ZFR	-1.18	0.30	93.92	91.00	91.25	107.35	68.94
ZFX	1.04	0.88	39.91	47.77	33.55	40.54	44.45
ZFY	-1.21	1.00	29.70	0.00	22.45	32.50	22.10
ZFYVE1	1.71	0.00	16.51	14.14	16.45	16.53	37.88
ZFYVE16	1.44	0.01	43.35	44.20	51.57	52.66	66.80
ZFYVE19	-1.12	0.72	2.64	2.33	3.13	2.60	2.40
ZFYVE21	-2.09	0.00	50.57	53.53	58.22	32.05	20.08
ZFYVE26	1.17	0.28	41.86	40.90	47.13	46.43	48.74
ZFYVE27	1.06	0.77	38.87	30.61	28.98	32.95	42.93
ZFYVE9	1.14	0.40	44.61	41.04	48.04	54.47	56.19
ZGPAT	1.18	0.35	10.89	13.73	11.75	12.46	14.39
ZGRF1	-1.61	0.00	44.72	35.55	39.69	50.28	21.09
ZHX1	1.87	0.00	67.77	66.16	71.02	57.87	124.75
ZHX2	1.85	0.01	29.70	26.49	27.81	25.25	73.74
ZHX3	-1.05	0.81	54.70	43.92	45.30	46.43	42.55
ZKSCAN1	-1.19	0.25	55.50	56.41	44.26	55.72	35.86
ZKSCAN2	-1.31	0.25	8.94	6.18	11.36	8.83	7.58
ZKSCAN4	-1.49	0.05	7.00	6.04	5.74	7.13	3.91
ZKSCAN5	1.49	0.00	38.76	34.18	35.77	45.86	65.66
ZKSCAN7	1.18	0.66	3.55	2.61	2.48	2.15	3.16
ZKSCAN8	-1.07	0.73	28.10	19.63	26.50	27.18	22.60
ZMAT2	1.08	0.63	22.25	26.35	21.02	25.25	24.87
ZMAT3	2.73	0.00	2.18	0.96	2.61	3.40	6.44
ZMAT5	1.09	0.80	3.33	2.88	2.74	3.74	3.16
ZMIZ1	-1.24	0.22	163.87	178.85	118.27	141.89	115.79
ZMIZ2	4.63	0.00	6.31	4.94	6.14	7.36	40.03
ZMPSTE24	-1.09	0.63	24.77	24.98	26.37	21.06	19.57
ZMYM1	-1.35	0.02	40.82	37.20	43.21	46.66	28.28
ZMYM2	1.05	0.77	22.82	21.41	24.02	22.65	22.48
ZMYM3	1.04	0.88	49.77	41.59	50.13	53.45	43.56
ZMYM4	-1.09	0.57	44.49	43.37	45.56	48.13	39.77
ZMYM5	1.25	0.16	34.86	35.55	33.68	34.88	49.62
ZMYM6	1.23	0.18	36.58	26.63	34.20	29.67	42.17
ZMYM6NB	1.29	0.33	8.26	4.67	9.53	4.30	10.23
ZMYND11	-1.17	0.30	125.91	135.20	139.81	152.54	110.11

ZMYND19	-1.76	0.00	13.88	14.55	15.14	10.64	6.69
ZMYND8	1.09	0.62	131.76	128.61	115.40	125.13	158.34
ZNF10	1.01	0.97	14.22	11.80	12.27	11.66	11.36
ZNF106	1.09	0.58	75.46	60.67	71.80	69.42	75.76
ZNF12	-1.06	0.77	11.93	9.88	12.92	14.27	11.36
ZNF131	1.09	0.63	22.25	20.59	19.32	21.63	23.23
ZNF132	1.50	0.04	4.24	5.49	4.31	5.21	7.45
ZNF133	-1.07	0.78	8.83	8.24	7.70	6.79	6.44
ZNF135	-1.53	0.07	12.04	5.90	8.88	9.63	5.18
ZNF140	-1.20	0.34	12.61	10.57	15.67	13.25	9.98
ZNF142	-1.00	0.98	35.32	25.94	27.81	25.93	30.05
ZNF143	-1.12	0.55	13.99	11.12	15.40	14.27	12.25
ZNF146	-1.27	0.19	177.06	188.04	204.04	169.98	114.90
ZNF148	1.04	0.80	65.25	57.24	60.05	69.30	65.66
ZNF154	-1.13	0.48	19.15	17.43	20.89	21.97	17.55
ZNF16	1.06	0.80	7.91	9.20	9.01	8.72	9.34
ZNF165	-1.16	0.84	2.41	2.88	0.65	3.28	2.65
ZNF169	-1.22	0.45	3.55	5.22	5.61	4.98	4.67
ZNF174	-1.27	0.24	13.99	16.06	17.75	10.76	10.86
ZNF177	-1.11	0.77	28.67	15.51	16.19	15.74	16.67
ZNF18	-1.00	0.97	20.64	17.98	17.75	17.55	19.95
ZNF180	1.14	0.59	4.01	6.18	5.48	6.45	5.93
ZNF181	1.09	0.65	7.57	8.24	10.57	9.63	9.72
ZNF184	-1.22	0.37	18.46	10.43	18.28	17.33	16.79
ZNF185	1.79	0.04	24.77	9.20	16.06	11.21	21.47
ZNF189	1.11	0.54	21.79	26.49	24.93	19.93	27.40
ZNF19	1.19	0.35	8.14	9.88	7.70	7.59	10.48
ZNF197	1.08	0.72	13.65	11.26	14.36	13.02	15.66
ZNF2	-1.06	0.79	6.31	5.49	6.53	6.68	6.31
ZNF200	-1.24	0.37	7.80	6.59	5.87	5.32	5.43
ZNF202	1.07	0.77	7.57	5.49	9.66	6.45	8.59
ZNF205	1.15	0.53	13.76	13.45	12.14	10.87	16.67
ZNF207	-1.20	0.20	86.24	85.65	90.08	84.82	71.85
ZNF212	-1.03	0.85	22.59	24.98	36.03	29.67	26.52
ZNF213	-1.54	0.01	10.32	12.35	11.75	10.76	7.58
ZNF214	-1.15	0.66	7.68	3.98	4.31	6.45	6.94
ZNF217	1.36	0.07	30.39	31.29	28.72	31.71	50.51
ZNF219	1.24	0.47	5.05	3.29	4.18	6.00	4.04
ZNF22	1.01	0.96	20.07	18.53	18.67	19.36	19.45
ZNF226	1.37	0.05	21.21	13.59	21.41	20.50	27.78
ZNF227	1.53	0.02	8.37	5.35	7.31	8.38	13.38
ZNF23	-1.03	0.89	13.30	17.29	15.67	17.21	16.04
ZNF232	1.01	0.99	0.69	0.69	1.31	1.47	0.76
ZNF235	1.13	0.81	1.95	1.37	3.00	2.15	1.26
ZNF236	1.05	0.75	34.52	31.29	27.55	45.41	36.49
ZNF239	1.51	0.00	17.77	19.63	22.45	17.10	26.64
ZNF24	-1.03	0.90	36.70	28.41	33.03	40.09	32.96

ZNF248	1.03	0.91	10.66	8.24	9.27	8.95	8.21
ZNF263	1.03	0.86	13.07	12.35	17.62	9.97	13.01
ZNF266	1.10	0.87	3.33	2.88	3.00	3.17	3.66
ZNF268	1.06	0.81	2.52	0.82	1.17	2.26	1.89
ZNF274	2.03	0.00	4.36	2.61	1.96	2.15	5.93
ZNF275	-1.55	0.00	89.56	86.06	103.52	101.47	50.63
ZNF276	-1.09	0.66	13.53	11.80	13.45	12.12	10.99
ZNF277	-1.15	0.49	31.88	34.31	19.97	27.40	21.09
ZNF280C	-1.40	0.08	7.68	8.37	7.83	10.42	6.19
ZNF280D	-1.05	0.82	44.26	41.59	55.35	55.49	42.30
ZNF281	1.48	0.01	16.97	15.65	19.97	14.50	23.11
ZNF282	1.09	0.73	8.94	9.88	11.23	9.97	9.72
ZNF283	1.47	0.07	9.63	3.57	6.92	8.61	10.99
ZNF286A	-1.36	0.06	45.98	31.16	48.95	38.84	27.27
ZNF287	-1.10	0.59	12.50	12.22	11.23	11.55	11.49
ZNF292	1.05	0.74	60.32	83.04	91.51	100.11	86.87
ZNF3	-1.09	0.66	33.71	24.98	30.29	25.03	26.26
ZNF300	1.06	0.87	2.41	1.65	1.44	1.13	1.52
ZNF304	1.11	0.65	15.48	12.63	16.45	19.82	22.22
ZNF311	1.79	0.02	13.07	6.31	5.22	14.16	16.92
ZNF316	1.23	0.17	23.51	25.67	27.02	24.80	31.57
ZNF317	1.38	0.02	21.56	17.71	21.02	20.72	29.67
ZNF318	-1.18	0.28	64.22	48.59	63.97	63.53	51.14
ZNF319	-1.28	0.30	6.08	6.04	8.49	5.89	6.31
ZNF32	-1.05	0.81	10.55	11.94	11.36	14.27	9.22
ZNF322	-1.12	0.80	3.21	1.51	2.61	2.15	2.15
ZNF324	-1.04	0.96	7.45	5.08	5.74	2.83	5.81
ZNF326	1.05	0.96	70.30	60.80	92.95	87.76	69.07
ZNF329	1.36	0.07	9.40	11.67	13.71	9.63	14.52
ZNF330	-1.24	0.30	13.07	12.35	13.05	8.15	10.10
ZNF331	1.84	0.00	7.45	4.80	4.18	6.79	13.26
ZNF333	-1.09	0.66	44.04	25.39	35.51	33.07	23.23
ZNF335	1.16	0.39	28.55	28.96	28.98	34.65	30.94
ZNF33B	1.17	0.65	1.72	1.51	2.87	2.26	2.53
ZNF34	1.04	0.84	40.71	36.37	38.51	39.86	41.04
ZNF341	-1.01	0.93	6.31	5.63	6.01	6.79	7.45
ZNF345	1.29	0.31	5.16	3.02	4.70	4.30	4.55
ZNF346	-1.11	0.59	14.56	11.39	13.58	15.29	10.10
ZNF35	1.13	0.68	4.82	4.25	5.09	5.44	5.05
ZNF350	1.11	0.67	5.50	5.63	6.27	5.32	5.30
ZNF354A	1.07	0.73	14.91	12.90	15.53	15.40	16.67
ZNF354C	-1.56	0.02	12.38	10.98	15.53	10.87	5.93
ZNF358	1.25	0.10	41.63	36.24	37.73	37.60	46.34
ZNF362	-1.11	0.57	34.06	29.51	23.50	25.71	25.13
ZNF367	-2.92	0.00	44.38	42.14	39.16	35.56	9.72
ZNF37A	-1.65	0.01	5.39	6.59	6.14	6.57	3.16
ZNF382	-1.30	0.28	6.31	6.59	10.05	6.45	5.81

ZNF383	-1.02	0.92	8.26	9.61	7.44	7.81	10.61
ZNF384	-1.17	0.27	59.75	52.71	53.00	60.13	46.59
ZNF385A	7.14	0.00	1.26	1.51	0.39	2.60	10.23
ZNF385B	-1.47	0.01	318.11	352.34	322.32	411.19	205.82
ZNF385D	-3.17	0.00	18.58	15.65	27.41	9.06	6.06
ZNF389	-1.51	0.15	3.33	4.94	3.13	4.98	1.64
ZNF394	-1.08	0.71	9.40	9.33	11.62	9.06	7.70
ZNF395	1.01	0.94	44.49	55.31	47.91	69.64	44.32
ZNF397_1	-1.15	0.35	47.59	42.00	48.30	41.56	39.90
ZNF397_2	-1.30	0.09	17.55	14.69	19.06	16.53	12.37
ZNF398	-1.54	0.01	15.71	13.45	15.67	12.68	9.85
ZNF404	-1.39	0.53	1.26	0.41	2.35	1.81	1.39
ZNF407	1.08	0.69	14.45	14.00	15.53	14.16	15.66
ZNF408	-1.25	0.24	17.66	16.20	12.66	12.34	11.24
ZNF41	-1.21	0.30	14.79	12.49	11.62	16.53	12.25
ZNF410	1.02	0.95	36.12	38.43	38.77	38.50	38.51
ZNF414	-1.07	0.73	20.30	16.06	16.45	17.21	14.39
ZNF419	1.28	0.16	9.40	11.53	13.19	11.78	14.02
ZNF420	1.01	0.96	8.03	5.76	8.49	5.89	7.83
ZNF423	1.10	0.80	6.08	4.80	6.40	7.70	7.45
ZNF428	-2.07	0.00	18.46	20.45	18.80	15.17	9.72
ZNF432	1.01	0.94	16.40	11.67	11.49	15.63	15.28
ZNF436	1.30	0.05	54.93	45.43	47.26	54.13	71.22
ZNF438	-1.30	0.29	6.19	4.80	4.44	4.64	3.66
ZNF444	-1.14	0.49	11.58	12.22	9.66	10.98	8.71
ZNF445	-1.32	0.16	50.46	51.33	35.64	30.58	28.41
ZNF446	-1.42	0.20	5.73	4.12	4.31	6.57	2.40
ZNF449	-1.06	0.79	6.54	6.31	7.57	7.25	5.43
ZNF45	1.04	0.80	15.71	10.02	12.53	8.38	11.11
ZNF451	-1.01	0.98	19.61	19.22	17.10	18.01	18.18
ZNF461	-1.10	0.72	5.73	4.39	6.40	5.78	6.06
ZNF462	-1.42	0.04	163.87	140.55	129.50	113.24	90.28
ZNF469	-2.40	0.00	296.32	275.75	198.30	142.80	97.23
ZNF470	1.19	0.27	19.27	18.80	19.97	19.36	24.12
ZNF473	1.06	0.81	8.37	7.14	9.01	6.68	7.20
ZNF48	1.16	0.69	2.52	3.02	1.57	2.04	3.66
ZNF483	-2.78	0.03	2.06	0.96	0.91	1.02	0.13
ZNF484	-1.26	0.17	32.91	33.77	39.95	25.03	27.91
ZNF488	-1.07	0.76	6.08	6.45	6.66	6.12	4.29
ZNF496	-1.05	0.82	10.66	8.10	8.88	9.51	8.84
ZNF500	-1.33	0.41	5.62	3.29	3.92	7.93	2.90
ZNF502	-1.08	0.88	7.11	2.88	4.05	4.19	4.55
ZNF503	1.05	0.87	3.55	5.35	3.92	3.85	4.04
ZNF507	1.13	0.48	13.99	14.00	12.66	13.02	16.92
ZNF511	-1.48	0.28	1.49	1.65	1.17	1.59	1.77
ZNF512	-1.08	0.66	35.09	29.10	30.68	30.24	27.02
ZNF512B	-1.37	0.05	99.19	65.06	86.03	89.01	54.04

ZNF513	1.20	0.37	6.65	7.69	6.01	6.57	7.70
ZNF514	-1.76	0.02	4.82	4.12	4.57	4.87	2.90
ZNF516	-1.18	0.31	23.97	27.31	32.51	24.46	22.85
ZNF518A	1.16	0.37	30.96	24.71	27.55	31.59	32.07
ZNF518B	1.14	0.45	13.88	19.35	13.84	12.46	16.41
ZNF521	-1.26	0.15	117.08	101.98	114.36	133.74	80.05
ZNF524	1.16	0.51	5.28	8.92	5.87	5.10	7.45
ZNF526	-1.20	0.31	11.35	12.90	10.97	11.44	7.95
ZNF527	-1.07	0.74	13.30	11.39	14.75	14.95	12.63
ZNF532	-1.01	0.99	78.67	67.67	73.63	93.09	73.49
ZNF543	1.58	0.01	5.39	4.67	5.48	6.00	9.72
ZNF548	-1.18	0.39	10.21	10.29	11.36	8.95	7.83
ZNF550	1.51	0.05	12.84	3.84	7.31	8.15	14.39
ZNF554	1.10	0.79	3.33	2.47	2.48	2.60	2.90
ZNF555	-1.06	0.81	7.34	5.49	7.05	6.91	6.19
ZNF566	1.88	0.00	4.13	2.33	3.00	4.30	7.83
ZNF567	1.16	0.53	10.09	7.69	9.53	12.23	13.13
ZNF569	-1.09	0.64	21.56	18.80	23.24	20.16	18.81
ZNF570	1.35	0.12	5.73	7.14	7.31	6.45	7.58
ZNF572	-1.06	0.79	12.38	14.00	17.10	16.42	10.61
ZNF574	-1.46	0.02	36.58	49.82	37.60	32.27	22.73
ZNF575	-1.44	0.02	11.35	12.90	12.14	12.57	8.71
ZNF576	-1.04	0.89	14.79	11.80	9.53	12.46	9.34
ZNF579	1.21	0.27	11.47	15.51	11.88	9.85	14.90
ZNF580	-1.28	0.31	6.31	8.37	6.92	5.21	6.69
ZNF581	-1.22	0.72	6.77	14.27	3.52	10.19	7.07
ZNF582	1.40	0.16	4.70	2.47	6.79	5.10	6.31
ZNF583	1.07	0.69	18.23	18.26	16.97	16.31	20.33
ZNF584	1.01	0.94	2.75	3.16	3.26	2.26	1.89
ZNF585A	-1.04	0.88	35.21	24.16	30.68	32.27	29.93
ZNF592	1.06	0.71	41.05	42.55	35.25	38.50	40.28
ZNF593	1.34	0.36	1.95	3.29	2.61	2.49	4.55
ZNF596	1.13	0.57	6.42	7.55	9.79	5.89	7.20
ZNF598	-1.09	0.62	35.21	29.24	36.94	38.28	32.07
ZNF599	1.29	0.66	2.52	1.51	0.91	2.60	3.66
ZNF605	-1.15	0.50	45.87	27.18	38.90	45.86	37.12
ZNF608	1.32	0.05	35.78	26.77	31.59	30.24	42.30
ZNF609	-1.12	0.51	83.25	100.33	83.29	106.34	71.72
ZNF613	-1.05	0.84	34.40	14.55	21.41	32.95	21.84
ZNF614	1.34	0.17	59.06	81.12	54.57	55.60	111.62
ZNF618	-3.08	0.00	4.70	5.90	5.61	1.93	0.88
ZNF619	1.13	0.70	5.39	3.43	4.18	4.87	4.92
ZNF621	1.21	0.42	5.96	5.35	3.39	5.32	7.20
ZNF622	-1.11	0.58	22.25	25.53	21.15	18.69	21.09
ZNF623	-1.01	0.95	22.25	18.12	22.06	21.52	19.57
ZNF624	1.09	0.66	13.99	10.84	9.79	11.55	12.12
ZNF628	1.31	0.24	4.93	5.76	3.92	5.78	7.58

ZNF629	-1.15	0.48	8.26	10.02	9.66	9.17	6.94
ZNF638	-1.03	0.80	481.98	371.28	307.57	314.14	292.44
ZNF639	-1.46	0.01	42.77	47.90	48.56	48.69	23.86
ZNF641	3.86	0.00	0.80	0.27	1.31	0.11	4.17
ZNF644	1.10	0.57	56.65	64.37	61.49	79.61	69.07
ZNF646	-1.16	0.43	39.91	47.49	42.43	30.12	43.31
ZNF652	-1.28	0.18	22.02	15.24	15.27	15.51	11.11
ZNF653	1.34	0.10	12.16	12.49	10.31	13.48	16.54
ZNF655	1.11	0.70	4.13	3.29	3.92	2.60	3.54
ZNF664	1.04	0.99	209.17	282.47	210.18	210.29	354.43
ZNF667	-1.13	0.47	22.02	24.57	26.24	21.63	18.94
ZNF668	-1.79	0.01	5.85	6.45	7.44	7.13	3.66
ZNF672	-1.34	0.11	10.89	12.22	15.14	12.12	7.58
ZNF674	-1.27	0.34	8.26	4.80	7.57	5.66	5.30
ZNF677	1.20	0.39	5.85	5.49	8.35	6.57	6.82
ZNF679	1.14	0.61	5.73	4.94	7.18	6.00	7.83
ZNF687	-1.09	0.61	25.80	27.18	25.20	27.52	25.38
ZNF688	-1.10	0.74	3.67	5.49	4.31	5.55	3.91
ZNF689	-1.10	0.79	7.91	13.86	8.49	7.70	8.08
ZNF691	-1.10	0.79	4.59	7.00	4.05	3.96	3.79
ZNF692	-1.16	0.42	13.65	12.76	15.14	17.21	10.86
ZNF696	-1.33	0.13	11.81	9.33	9.27	9.17	5.93
ZNF697	1.50	0.23	1.26	1.24	1.17	1.36	2.15
ZNF699	-1.19	0.41	8.26	6.86	9.01	7.93	6.82
ZNF7	-1.18	0.31	23.62	21.69	24.28	27.97	19.45
ZNF70	-1.07	0.76	14.56	16.61	22.32	21.06	14.39
ZNF703	2.94	0.00	7.57	7.96	7.31	11.78	27.53
ZNF704	-1.26	0.29	8.83	10.29	7.05	7.47	6.94
ZNF705A	1.16	0.45	11.35	11.94	14.49	12.23	15.03
ZNF706	1.37	0.04	15.25	17.02	13.45	17.33	25.38
ZNF710	1.65	0.02	6.88	4.80	8.22	7.13	14.90
ZNF711	-1.29	0.15	14.91	15.92	12.66	15.63	8.59
ZNF713	-1.73	0.00	10.44	9.88	12.92	10.42	6.19
ZNF729	1.09	0.65	10.78	8.78	8.88	12.23	11.62
ZNF74	-1.01	0.93	16.86	17.98	17.36	15.97	15.15
ZNF740	1.43	0.06	6.31	10.16	10.18	8.49	13.26
ZNF746	-1.28	0.13	19.27	25.53	21.54	19.36	18.69
ZNF75A	-1.17	0.37	12.61	11.12	13.84	13.14	10.99
ZNF75D_2	1.08	0.88	1.95	2.06	1.83	2.38	2.90
ZNF76	1.00	0.98	19.84	18.53	14.62	20.72	17.17
ZNF768	-1.06	0.78	16.05	16.47	12.79	17.21	13.76
ZNF770	1.14	0.51	7.45	7.55	9.66	9.85	9.47
ZNF771	-1.07	0.76	16.40	21.27	14.36	19.14	17.55
ZNF774	-1.01	0.99	9.63	10.29	6.79	7.47	8.59
ZNF775	-1.14	0.66	6.77	4.94	6.27	4.30	3.28
ZNF777	-1.10	0.68	18.58	23.75	15.40	17.33	17.17
ZNF783	1.27	0.19	6.54	10.57	8.62	8.83	9.47

ZNF784	-1.09	0.74	12.61	7.55	8.49	9.63	7.45
ZNF787	1.16	0.43	7.11	12.35	11.23	9.06	11.62
ZNF789	-1.50	0.11	3.67	3.57	3.66	3.28	2.40
ZNF79	-1.10	0.65	15.71	20.18	14.49	13.14	15.03
ZNF792	1.50	0.03	7.57	6.59	7.44	9.29	12.12
ZNF8	1.39	0.31	3.21	4.12	4.05	3.06	4.67
ZNF800	-1.06	0.78	12.84	10.98	13.58	11.89	13.38
ZNF814_1	-1.08	0.83	2.06	1.65	2.35	2.38	2.02
ZNF821	-1.29	0.40	4.59	2.88	6.01	4.87	5.05
ZNF827	1.90	0.00	17.09	17.71	19.45	22.20	54.30
ZNF830	1.23	0.25	11.58	11.39	11.10	12.23	14.02
ZNF839	-1.62	0.01	18.23	12.49	16.32	13.93	7.70
ZNF84	-1.14	0.51	29.47	18.80	22.06	26.39	18.81
ZNF853	1.10	0.80	5.16	8.24	5.09	5.78	9.98
ZNF862	1.13	0.57	7.57	7.41	7.96	8.15	9.22
ZNF865	1.01	0.97	22.71	24.43	25.72	27.74	25.51
ZNF879	1.15	0.66	3.78	2.88	2.48	1.93	3.28
ZNF93	1.04	0.82	18.35	17.57	18.28	19.36	19.95
ZNFX1	1.63	0.00	34.17	30.88	27.15	40.31	55.18
ZNHIT1	1.16	0.49	7.68	15.10	9.92	9.40	12.00
ZNHIT2	1.46	0.16	4.36	4.80	2.87	4.64	8.08
ZNHIT3	2.44	0.00	2.98	2.75	2.74	4.19	6.82
ZNHIT6	1.87	0.01	2.98	4.39	2.87	3.62	8.84
ZNRD1	-1.25	0.39	11.12	22.51	19.84	12.46	12.12
ZNRF1	1.67	0.07	2.52	2.20	2.61	3.17	4.67
ZNRF2	1.44	0.11	3.55	4.25	3.66	4.19	5.93
ZNRF3	-1.09	0.74	12.73	9.88	13.19	16.53	12.75
ZPBP2	2.05	0.14	0.92	0.27	0.39	1.70	1.77
ZPR1	1.73	0.00	21.67	31.98	23.76	34.88	46.97
ZRANB1	1.53	0.00	44.26	39.26	36.68	45.18	65.53
ZRANB2	-1.49	0.01	178.66	142.61	177.15	201.12	90.41
ZRANB3	-1.36	0.07	16.74	17.43	21.02	15.06	9.72
ZRSR2	1.04	0.96	1.15	1.24	0.65	0.91	1.26
ZSCAN10	171.59	0.00	0.11	0.14	0.00	0.00	15.91
ZSCAN12	1.04	0.99	9.06	6.04	10.57	7.36	8.08
ZSCAN16	-1.02	0.95	4.82	5.35	4.83	4.19	5.18
ZSCAN2	-1.39	0.16	8.83	11.53	12.66	7.02	5.18
ZSCAN20	-1.09	0.76	7.57	13.73	10.57	10.08	7.83
ZSCAN21	-1.14	0.40	32.68	31.84	28.46	31.14	23.86
ZSCAN25	-1.43	0.26	1.95	2.06	2.87	2.72	1.64
ZSCAN26	-1.11	0.50	29.93	27.59	31.59	29.67	25.51
ZSCAN29	1.21	0.25	38.19	24.57	34.99	32.73	44.83
ZSCAN30	-1.44	0.40	5.50	1.78	5.35	2.72	3.41
ZSCAN31	1.31	0.35	3.78	2.61	2.61	1.02	3.66
ZSWIM1	-1.56	0.23	1.72	2.20	1.57	1.36	0.38
ZSWIM4	2.79	0.00	5.50	2.47	4.57	7.02	15.78
ZSWIM5	-1.11	0.80	1.49	0.82	1.17	2.15	2.15

ZSWIM6	-1.42	0.16	8.83	21.82	18.15	16.19	8.46
ZSWIM7	-1.18	0.48	10.32	7.41	7.96	12.00	6.82
ZSWIM8	1.14	0.36	47.93	42.14	45.82	47.90	50.25
ZUFSP	-1.21	0.29	12.61	15.78	16.19	13.82	12.25
ZW10	-1.80	0.00	53.21	47.08	67.88	53.11	26.64
ZWILCH	-1.47	0.02	62.96	61.77	81.72	54.36	45.71
ZWINT	-2.30	0.00	13.99	14.00	8.49	9.85	3.79
ZXDB	-1.29	0.29	5.05	4.12	5.22	4.64	3.66
ZXDC	-1.03	0.90	12.38	9.61	12.53	12.57	8.46
ZYG11B	1.31	0.08	15.48	11.39	14.49	15.06	18.56
ZYX	1.34	0.04	46.44	53.80	38.77	41.90	68.06
ZZEF1	1.02	0.91	38.07	28.96	30.94	35.67	33.46
ZZZ3	-1.11	0.53	63.53	49.96	67.36	58.32	49.88

RPKM_IL-1b2	RPKM_IL-1b3	RPKM_IL-1k	RPKM_CTRI	RPKM_IL-1b
0.80	1.29	0.80	0.54	1.01
20.10	22.26	18.01	12.13	19.77
18.21	17.09	15.42	19.90	16.97
4.98	4.34	3.28	1.59	3.91
26.57	24.57	26.37	17.49	27.30
148.68	148.89	155.24	128.55	155.34
103.40	108.90	121.40	97.61	110.04
41.00	74.35	33.04	37.27	46.54
8.36	6.56	7.07	6.82	8.37
4.28	3.14	3.18	5.33	3.72
191.77	200.43	199.72	213.20	184.22
0.80	0.92	0.80	3.71	0.76
9.75	9.42	10.65	13.17	9.16
72.05	110.10	132.55	131.87	97.46
37.92	31.59	37.61	43.05	33.35
238.75	366.04	338.63	348.96	313.16
32.05	37.87	26.67	38.45	32.86
142.81	111.02	96.13	161.31	118.39
45.98	27.62	36.12	43.13	35.35
10.55	12.19	8.26	8.07	10.69
101.41	81.28	96.82	117.30	90.68
12.14	60.78	3.28	2.08	39.47
85.39	61.52	44.28	0.70	75.45
14.03	10.99	13.53	21.01	12.76
49.66	49.88	64.98	60.58	56.91
1.00	0.74	0.90	1.96	0.88
4.18	6.19	5.08	12.62	5.41
13.14	13.21	12.74	10.14	13.50
18.61	26.14	28.76	20.52	24.88
44.29	43.60	47.67	54.63	48.19
16.22	20.23	17.81	28.09	17.29
51.35	48.21	53.24	44.15	54.11
7.86	7.20	8.46	8.72	7.78
103.40	93.75	77.62	84.17	97.13
7.76	9.61	8.96	10.32	8.41
16.92	12.65	14.33	18.25	14.76
12.34	19.03	16.32	14.93	15.55
16.32	18.84	19.11	20.83	18.02
31.35	41.75	43.19	30.77	39.84
17.22	14.41	16.92	15.83	17.79
1.00	0.92	0.50	1.02	0.73
1.89	2.68	2.99	3.67	2.49
5.27	12.75	7.66	7.98	8.73
34.73	70.47	27.96	29.43	52.90
23.88	22.54	10.15	0.82	23.68
14.03	16.63	21.20	14.17	17.16

2.49	3.79	1.99	7.35	2.60
0.80	0.92	2.39	3.81	1.18
10.25	9.79	11.44	11.06	11.34
9.35	10.16	7.66	6.65	8.44
22.59	23.00	19.70	18.21	21.37
11.84	21.24	20.70	14.28	17.52
1.99	1.94	2.69	1.63	2.41
46.38	44.43	34.83	7.64	44.92
11.64	17.73	16.32	13.80	14.08
19.01	12.84	12.44	2.16	13.69
8.56	10.34	10.45	9.55	10.34
0.10	0.65	0.40	2.00	0.32
1.09	5.82	0.80	3.20	2.21
9.16	9.70	6.17	9.84	8.97
25.68	32.33	32.14	30.49	31.06
16.12	21.43	16.12	18.23	18.34
38.81	45.54	49.36	43.11	46.24
45.28	34.82	38.01	44.75	40.14
17.42	21.80	17.02	13.98	20.91
30.25	23.37	27.76	29.13	26.15
1.99	16.53	5.47	5.21	11.55
0.50	1.57	2.39	0.90	1.27
0.70	1.57	1.00	1.36	1.10
16.32	15.52	16.12	14.00	15.30
8.36	6.19	7.96	8.22	8.03
28.36	26.42	26.17	37.55	27.69
11.25	9.42	9.85	7.75	10.72
27.77	28.36	32.24	16.98	29.19
42.59	48.95	47.76	28.96	44.08
1.39	1.66	2.19	1.41	1.60
26.37	28.73	25.87	24.00	27.50
1.89	1.11	1.19	0.77	1.58
36.42	31.87	31.64	33.85	32.97
9.75	9.24	7.96	7.43	8.60
2.79	4.43	2.49	2.05	2.87
18.41	26.32	21.59	20.86	19.80
24.48	25.31	13.53	8.50	21.01
5.67	4.53	5.67	2.35	5.01
45.68	66.13	46.77	9.77	57.07
5.97	7.20	3.88	3.15	5.65
17.71	14.96	13.63	8.34	15.90
23.29	22.63	20.80	13.78	23.69
33.34	40.64	42.09	61.04	41.77
482.87	245.78	195.24	213.89	268.25
74.84	78.79	79.41	60.73	88.85
11.35	12.47	16.72	11.75	13.64
5.47	20.97	14.23	32.94	12.31

0.60	0.55	0.40	1.99	0.83
268.70	201.91	232.06	264.16	232.11
12.54	11.82	11.24	14.81	12.12
27.77	42.58	28.86	23.31	33.67
32.44	29.83	35.43	25.78	32.85
43.99	45.35	51.45	53.74	44.48
23.98	18.66	21.30	17.40	21.86
44.78	46.46	42.09	49.05	46.43
1.69	1.85	1.09	1.11	1.79
16.72	20.04	20.40	11.04	19.47
16.82	16.26	13.04	16.78	16.96
24.88	28.82	24.48	26.47	25.26
5.87	10.34	12.64	11.22	9.23
11.54	10.81	12.94	19.13	12.20
5.47	4.71	5.27	3.04	5.41
22.39	25.03	22.29	30.41	21.88
16.02	19.03	23.48	24.62	18.83
50.26	40.83	49.66	30.21	46.36
26029.25	21799.86	33367.14	55400.32	23774.02
8.86	14.04	15.13	13.97	12.32
8.36	10.07	8.76	7.75	9.07
24.58	33.53	35.82	25.93	31.38
49.96	47.01	49.66	55.80	47.64
117.33	89.22	78.41	85.33	98.93
110.37	98.74	104.68	151.82	101.05
6.77	4.71	5.67	3.01	5.61
20.30	19.95	16.92	15.49	17.70
5.37	5.63	3.98	5.35	5.45
24.88	27.62	27.76	35.39	24.96
7.86	8.59	8.56	7.68	8.15
0.40	2.12	0.70	1.44	1.09
4.48	7.48	6.17	6.43	7.09
178.24	210.50	210.66	179.56	196.35
3.68	3.97	4.48	0.56	3.89
13.53	11.18	11.24	20.16	10.50
119.82	101.51	117.42	185.16	104.48
51.65	39.53	37.02	52.12	41.02
67.77	49.51	63.29	67.37	60.29
3.38	4.90	5.47	5.97	3.91
23.39	20.32	15.92	20.71	18.06
4.38	3.60	4.88	3.81	4.10
4.58	3.60	3.98	2.79	3.80
8.96	5.63	7.16	13.27	7.52
2.09	1.85	1.00	1.14	2.18
16.52	14.87	15.52	19.95	15.14
40.60	35.65	40.60	21.07	38.21
7.76	5.91	6.37	13.34	7.03

3.98	4.62	2.39	3.85	4.07
3.88	7.11	5.77	5.82	5.61
11.05	14.96	16.52	15.24	13.63
9.16	11.45	7.96	9.94	9.23
1.69	18.84	5.08	5.45	7.29
7.26	16.63	12.84	5.05	12.78
2.29	2.59	2.29	3.86	2.55
1.49	4.06	0.60	5.72	2.36
19.90	17.36	18.81	8.39	20.02
19.61	11.45	19.50	28.12	15.04
4.08	4.16	4.38	2.71	4.23
86.68	99.29	91.25	101.00	102.04
164.21	164.69	88.76	87.66	166.13
196.85	257.70	162.90	77.27	256.70
6.57	10.44	10.05	1.52	9.76
11.05	9.24	11.74	0.94	11.79
1.49	0.83	1.79	2.09	1.12
2.49	4.16	3.88	4.48	3.61
15.92	15.89	20.20	14.59	16.85
1.69	10.71	2.19	21.17	4.19
1083.46	893.73	822.05	1137.52	953.64
1033.50	951.18	927.33	1009.54	989.92
17.61	15.24	14.03	26.57	15.26
47.07	45.81	26.97	47.46	40.41
0.80	0.65	1.00	1.99	0.70
3.28	4.16	2.49	1.67	4.12
395.09	296.49	289.87	301.62	322.01
42.79	43.97	45.58	46.48	42.46
56.43	51.17	42.89	58.80	50.44
37.02	113.33	121.80	98.84	102.32
106.09	102.53	94.34	94.50	100.99
174.46	146.86	129.66	117.97	154.57
41.20	44.24	52.94	30.26	45.45
6.07	6.74	5.97	6.77	6.08
5.77	6.74	5.97	5.57	6.52
13.04	9.79	7.46	11.50	10.16
6.97	3.60	6.67	5.30	5.76
91.46	87.10	92.25	46.53	85.85
7.26	12.47	8.46	9.72	9.67
12.34	18.10	19.50	25.32	15.71
0.80	0.55	1.09	1.22	0.86
4.08	10.07	5.77	5.06	6.31
4.88	5.45	5.17	6.29	5.30
2.99	2.77	4.18	3.50	3.53
2.89	2.22	3.48	2.54	2.97
0.70	0.74	0.90	2.71	1.12
4.68	3.79	5.77	9.09	4.73

26.47	23.00	22.09	17.47	23.92
44.19	26.23	33.93	122.45	30.73
30.55	20.04	15.32	2.44	23.96
41.50	37.22	32.34	18.79	38.66
3.28	10.53	1.69	4.25	4.32
74.04	35.84	6.47	2.65	38.59
0.50	0.28	1.39	1.06	0.73
1.69	5.26	1.49	1.64	3.53
55.43	54.86	45.38	29.76	55.68
25.28	19.12	8.76	14.76	26.55
54.74	77.40	81.10	76.88	65.43
6.57	8.41	6.97	15.35	6.46
0.30	1.57	0.60	1.15	1.03
0.10	0.65	0.50	13.14	0.37
21.79	24.11	18.11	16.37	23.74
17.71	22.72	15.52	38.31	18.25
0.40	1.48	0.40	2.56	0.92
30.65	22.72	53.04	99.03	31.43
112.06	83.50	44.88	5.86	95.94
9.26	11.73	16.72	0.20	16.40
10.15	16.72	19.40	88.10	13.37
43.69	30.94	32.04	2.75	33.77
25.87	70.20	23.38	22.82	48.90
4.78	4.71	6.37	7.47	5.01
0.30	1.11	2.19	1.80	1.09
1501.14	1309.00	1283.88	106.97	1359.54
1.49	1.11	1.00	0.75	1.09
99.32	107.14	91.45	114.71	103.20
4.18	4.90	2.79	3.18	3.85
8.36	8.96	9.55	9.26	9.21
8.36	10.16	8.96	7.80	8.67
1.79	1.39	1.99	1.60	1.86
10.45	9.70	7.56	7.98	9.96
19.21	60.04	40.90	19.48	36.19
13.53	20.04	13.53	13.51	16.54
18.11	25.22	24.78	20.27	22.01
149.68	239.87	228.57	176.86	211.82
32.34	32.88	32.64	27.60	31.28
1.69	2.49	2.99	3.11	2.36
0.10	1.02	0.00	1.13	0.34
38.81	45.91	43.19	59.47	40.66
1.49	1.57	4.08	2.51	2.35
0.80	1.94	1.29	0.19	1.39
30.65	28.26	27.86	23.23	27.06
67.77	67.70	62.99	83.63	62.34
19.31	29.46	19.90	11.74	21.40
2.09	1.02	2.79	1.01	2.61

86.28	100.03	95.83	75.56	99.70
0.10	0.74	0.40	2.11	0.53
2.09	4.43	6.97	16.39	4.22
13.93	11.64	6.97	8.15	10.47
2.79	8.87	1.09	1.72	3.85
3.78	4.62	4.28	0.73	4.65
23.29	14.87	10.65	39.89	15.55
132.26	128.85	155.93	196.29	125.76
56.73	71.49	78.91	89.94	71.48
18.41	31.50	17.71	18.52	25.27
0.70	1.02	0.20	1.41	0.64
1.99	6.37	1.59	4.12	2.77
8.86	18.84	11.05	24.23	12.21
88.17	75.00	67.67	78.24	76.49
7.96	6.84	6.77	10.25	6.91
27.87	15.79	26.77	19.62	24.33
8.06	5.17	4.98	1.75	6.89
60.81	50.43	55.23	68.51	55.25
13.34	9.79	10.45	11.01	12.02
20.40	14.13	6.77	10.14	15.75
16.32	11.36	15.23	13.06	14.07
136.84	167.55	140.11	107.62	136.19
131.76	128.66	124.39	134.78	123.04
29.76	28.54	34.93	32.35	30.76
23.79	29.10	29.06	37.71	25.66
1.59	1.11	3.48	1.26	1.92
1.19	1.39	0.80	0.41	1.73
67.47	60.22	78.02	100.08	64.94
27.87	22.72	19.60	12.50	25.03
12.24	11.64	12.34	13.07	11.93
4.38	3.79	4.18	5.70	4.25
28.76	26.32	9.35	16.76	27.85
24.88	23.28	21.69	24.42	24.31
4.88	7.85	5.97	15.01	6.88
21.99	16.90	20.80	19.69	21.65
27.77	27.43	36.62	30.19	29.80
35.73	31.96	28.76	22.07	32.35
23.09	17.64	13.14	14.44	19.05
515.81	303.14	284.30	924.29	388.06
52.84	42.67	48.16	46.25	48.58
16.72	19.40	14.33	3.48	16.37
66.88	65.39	48.56	30.80	62.16
8.76	6.37	5.77	5.00	7.18
58.02	42.12	35.23	35.31	46.40
0.80	2.59	2.79	9.65	2.02
72.45	67.89	74.14	33.22	69.56
0.10	1.02	0.90	3.71	0.72

8.26	23.46	14.53	53.51	16.46
48.76	57.64	56.72	57.68	55.27
36.13	39.53	39.41	37.64	38.05
0.60	0.83	1.00	1.44	0.92
10.85	13.85	10.75	9.14	11.70
41.90	28.26	33.73	35.47	33.80
3.58	4.43	4.18	4.17	4.03
56.23	74.54	76.13	59.14	68.11
2.49	3.42	3.78	1.92	3.12
4.28	5.73	7.46	3.71	6.07
1.99	2.49	2.79	3.25	2.76
34.63	30.48	33.24	24.15	32.89
25.97	18.29	17.81	24.65	20.25
43.49	46.64	39.80	37.87	42.02
12.44	11.64	12.74	18.10	12.68
12.04	17.92	17.71	13.54	15.77
86.08	88.21	71.75	93.44	79.50
28.26	23.37	28.26	29.22	27.52
7.66	8.31	12.24	10.77	10.27
9.55	12.47	10.95	12.45	11.81
36.82	33.71	35.13	30.81	32.92
26.07	12.56	17.81	12.34	19.95
7.76	15.52	7.26	7.69	13.07
15.52	18.01	12.34	12.62	15.10
30.95	31.03	41.10	34.27	33.44
29.06	28.73	24.58	26.85	27.44
62.30	79.25	43.19	50.22	60.26
2.29	7.85	10.55	4.44	6.18
1.99	1.85	2.99	3.44	2.27
18.01	22.44	16.22	5.54	20.14
70.66	71.58	72.94	68.12	71.19
43.29	55.97	50.05	17.15	48.79
89.87	104.28	92.35	124.83	93.91
11.74	15.06	13.63	12.43	13.52
71.95	114.44	102.30	55.69	94.49
16.72	20.14	20.40	21.86	19.17
1510.50	1451.98	1387.37	945.15	1539.31
67.57	86.82	69.06	35.41	75.78
4.58	5.54	3.28	0.62	3.86
55.63	84.70	87.77	80.22	77.10
2.49	2.68	2.79	3.35	2.65
18.21	20.32	3.08	5.47	12.96
0.40	0.18	0.20	1.11	0.32
5.17	2.77	5.08	3.34	4.14
288.41	293.44	310.57	538.11	287.06
16.12	18.38	19.11	18.26	18.39
20.00	16.63	19.80	12.58	19.13

2.39	1.57	1.39	0.89	2.44
5.17	4.80	7.56	8.32	6.18
5.37	3.33	5.17	9.93	4.35
31.25	26.97	32.74	24.95	29.21
10.15	7.94	9.85	12.23	8.98
25.48	23.09	24.38	21.62	23.92
3.48	2.86	3.48	4.85	3.03
31.25	28.08	40.20	40.07	32.58
57.42	41.56	47.67	47.43	46.51
10.85	12.56	8.56	11.51	11.46
78.62	69.37	94.14	78.60	73.79
0.40	1.66	2.29	6.17	1.18
7.07	8.13	6.37	8.09	7.00
4.88	4.53	5.57	4.20	5.70
4.28	7.20	5.37	4.14	5.60
33.14	52.65	62.69	28.26	48.96
28.56	30.57	32.34	39.33	31.39
172.67	189.16	172.25	278.86	172.95
2.99	3.42	2.89	4.58	2.92
206.40	167.46	199.02	128.94	192.15
12.34	13.58	11.15	12.44	12.68
75.73	83.50	67.67	54.86	80.02
3.38	2.22	3.78	2.68	3.10
1.00	0.65	0.40	1.92	0.67
27.07	30.85	33.24	28.22	29.77
43.49	49.14	51.94	43.10	48.64
176.15	186.02	195.94	312.33	181.35
17.42	18.57	17.71	20.58	18.54
39.31	44.34	43.39	40.67	43.00
34.23	26.14	26.67	53.12	30.13
1.09	2.40	2.29	2.39	1.95
29.36	38.15	34.03	31.65	30.47
0.70	1.20	0.50	2.12	0.88
1.69	0.92	1.00	1.57	1.09
14.53	13.58	14.23	7.57	14.88
110.17	98.37	98.52	115.50	101.95
16.92	14.96	15.52	14.99	16.46
57.52	65.49	57.72	43.78	59.86
43.59	41.56	38.91	38.81	41.02
19.11	17.55	16.22	15.59	18.36
9.06	8.96	7.36	11.25	8.08
21.40	23.09	22.99	16.62	24.32
10.55	19.03	12.84	21.47	15.65
35.23	27.80	30.55	33.93	30.59
101.71	94.77	114.34	177.58	95.41
0.70	1.75	1.69	1.71	1.13
1.79	1.85	1.09	1.51	1.31

15.62	42.03	26.67	8.56	33.55
32.14	43.97	37.32	40.28	37.01
367.72	754.99	337.04	504.85	523.44
13.53	11.45	9.15	12.16	13.11
4.78	6.00	7.07	3.72	6.48
4.18	6.37	4.48	4.24	5.49
15.52	12.10	12.74	12.68	13.22
76.53	96.24	68.56	95.16	77.10
61.10	46.18	52.74	36.22	52.44
362.95	359.02	296.84	307.47	343.97
1.89	1.20	1.29	1.16	1.48
80.91	77.86	81.70	118.76	77.70
10.15	9.79	8.16	9.33	9.36
31.15	34.36	31.15	55.34	29.12
31.85	23.46	33.53	39.14	27.77
23.09	23.09	29.95	26.74	24.40
25.28	37.41	43.68	51.13	38.05
8.06	7.11	8.46	9.67	7.96
12.74	12.47	12.94	14.06	13.45
11.74	8.31	10.65	9.70	10.77
16.62	14.13	18.01	18.88	17.18
7.07	9.14	6.77	8.99	7.70
7.66	6.37	6.57	13.65	6.89
16.42	16.90	16.22	20.15	16.71
9.26	12.28	9.95	12.54	10.37
16.12	14.22	17.02	14.20	15.63
11.94	14.04	12.94	11.70	13.74
15.43	15.98	23.38	18.44	21.49
113.35	106.59	103.99	93.63	104.34
5.37	3.42	4.58	5.16	4.45
4.78	4.80	5.17	6.03	4.92
6.57	6.56	6.67	5.38	7.25
56.83	62.72	61.60	62.45	60.28
1.79	2.77	1.39	0.52	2.03
20.00	40.18	38.91	23.34	30.68
107.48	60.68	98.12	69.08	87.47
15.03	20.60	21.20	3.06	18.88
32.44	24.66	24.48	46.28	27.28
4.98	3.42	4.48	2.99	3.94
41.50	44.80	35.92	32.14	41.48
95.44	106.96	88.07	70.74	101.25
6.07	5.45	4.78	3.60	6.19
7.66	8.13	8.76	6.99	8.88
35.73	40.73	39.70	38.17	39.87
199.14	150.65	137.62	152.82	160.40
1.19	2.96	2.29	2.63	2.84
39.21	32.05	26.07	17.51	36.04

0.80	1.94	0.90	2.89	0.97
9.95	6.74	7.66	11.66	8.65
11.05	10.71	8.56	11.91	10.52
4.48	8.04	8.86	7.59	7.21
9.85	13.39	9.25	11.98	11.44
234.76	367.52	259.02	461.28	258.45
276.46	214.84	261.21	216.82	243.78
150.87	149.45	183.80	205.53	154.05
7.86	12.38	13.63	1.56	13.46
35.73	54.50	57.02	59.70	46.66
16.52	35.84	36.92	34.02	28.32
1.79	2.40	2.89	2.25	2.37
39.81	38.15	37.71	42.52	40.57
41.90	44.80	43.98	42.04	45.71
3.78	3.51	2.79	4.71	3.59
8.36	6.65	9.25	9.82	8.21
12.74	11.27	12.94	16.82	12.14
7.07	6.56	6.27	9.83	6.61
57.12	44.98	49.85	50.34	52.95
26.87	31.77	40.10	31.82	32.52
12.54	16.26	16.42	17.38	14.56
27.47	41.01	28.56	36.44	33.76
23.09	31.96	30.15	28.56	26.54
22.69	20.60	20.50	27.56	21.98
2.89	1.57	1.89	0.44	2.34
14.63	16.44	17.41	18.94	15.81
38.71	47.48	45.58	42.79	42.98
1.39	1.66	0.50	0.77	0.98
4.08	0.92	2.99	6.07	2.16
10.15	3.14	8.16	10.23	6.09
4.48	4.43	3.78	2.67	3.90
12.54	6.47	7.76	40.74	7.61
3.18	4.34	7.76	4.17	4.36
7.96	8.04	5.08	12.96	7.23
0.40	1.85	0.20	3.25	0.99
37.72	29.83	36.12	7.53	33.75
50.16	62.07	60.80	49.24	56.39
460.77	327.99	360.43	83.62	382.00
106.19	111.95	119.71	92.62	113.12
38.71	41.10	38.31	43.19	40.80
0.70	0.92	1.59	1.28	0.93
54.74	67.70	65.38	76.95	62.99
45.08	40.92	45.87	30.32	40.73
13.24	13.12	11.34	11.79	12.08
24.48	22.63	28.06	22.92	25.23
127.98	132.36	127.97	121.39	131.96
178.34	201.08	172.95	83.43	204.03

47.07	43.97	43.78	37.59	47.41
1.79	1.11	2.19	1.55	1.68
7.36	5.91	7.07	6.27	6.76
6.67	10.25	9.95	10.56	8.39
4.08	6.10	5.97	7.71	4.76
103.10	112.50	110.06	101.17	107.21
6.17	6.74	7.46	3.03	7.68
4.58	4.71	5.37	6.25	4.74
16.12	15.33	30.15	22.52	20.67
71.55	74.54	77.22	61.12	69.91
42.30	44.52	43.78	47.71	43.19
1.69	5.17	6.27	8.19	5.62
1.19	2.31	1.09	2.11	1.59
0.90	1.48	1.89	1.66	1.60
4.48	5.63	4.88	3.38	4.57
6.67	5.45	6.07	10.81	6.47
23.98	25.22	16.42	19.15	22.59
16.62	20.97	20.10	18.35	20.77
67.18	53.29	85.28	92.07	64.57
2.09	1.02	2.29	1.84	1.47
44.78	56.25	49.66	52.42	48.28
9.85	8.22	8.16	7.82	8.70
21.00	23.65	14.93	11.55	24.20
19.01	24.11	25.47	30.21	23.05
20.70	14.96	21.79	24.37	17.27
9.85	8.96	6.17	15.91	8.46
1.09	1.11	1.39	1.20	1.25
7.07	3.05	3.28	3.26	4.58
92.05	116.93	136.73	97.60	118.37
7.96	8.87	7.26	4.66	8.01
41.20	38.61	41.10	29.52	38.31
13.44	14.22	13.93	10.41	13.87
69.96	25.49	29.46	100.56	37.64
3.28	3.42	1.29	1.53	3.51
18.11	11.73	11.94	13.89	14.74
54.14	47.20	49.85	28.07	50.80
10.75	16.44	14.33	15.15	13.28
2.69	6.19	2.49	1.00	4.61
8.56	11.64	10.45	12.82	9.71
91.56	127.46	103.29	102.86	111.86
93.55	92.18	93.14	76.31	89.57
32.84	30.02	30.55	36.30	30.17
18.31	33.99	29.95	2.41	21.73
77.82	125.52	135.13	30.17	106.81
31.45	31.13	28.66	40.81	28.62
51.35	46.46	39.11	70.90	46.41
306.82	277.93	290.87	180.45	299.87

847.80	600.10	588.01	422.52	710.22
311.79	233.96	256.14	128.72	267.30
292.39	189.90	213.95	377.06	217.81
75.93	77.40	76.62	96.58	79.18
43.29	40.09	30.25	23.74	40.72
2925.85	1334.40	1979.85	2796.43	1925.92
12.54	14.22	15.72	19.63	14.03
4.78	3.97	6.47	4.14	4.59
3.58	8.68	2.89	8.29	4.10
29.06	39.26	20.20	19.75	31.41
31.85	30.11	43.09	27.96	34.85
62.10	61.15	62.59	129.18	58.64
77.33	75.19	73.44	89.18	76.37
9.35	10.25	10.55	8.45	9.62
49.26	38.42	39.31	50.99	41.34
33.34	42.77	32.44	43.34	36.26
1.29	1.02	0.80	1.82	1.03
48.27	58.74	50.75	47.00	56.04
55.13	65.49	66.67	60.56	61.50
53.14	68.63	60.60	42.88	60.27
72.05	79.06	76.42	68.66	75.57
20.50	20.14	20.90	15.30	19.99
60.81	56.99	58.91	67.33	56.99
152.06	164.13	169.96	160.64	156.30
82.30	84.61	80.21	105.07	79.23
2.09	1.29	1.59	1.65	1.59
21.30	21.43	23.09	17.51	22.58
9.45	10.44	9.15	12.88	8.97
12.94	12.65	15.32	10.11	13.76
17.12	15.15	17.31	14.24	16.97
7.86	12.28	10.85	7.90	11.06
17.81	16.26	15.62	9.17	15.52
9.45	13.76	10.65	13.69	10.99
6.97	4.06	8.06	5.76	6.19
20.70	22.26	26.27	15.16	22.14
16.72	14.69	15.72	20.83	16.04
20.60	21.34	20.50	12.61	20.03
37.62	39.81	39.21	37.65	37.97
2.09	4.90	1.99	6.68	3.10
98.92	98.18	128.47	281.78	101.19
9.85	18.75	19.11	18.79	15.78
91.46	102.43	87.37	96.75	96.33
10.25	10.81	12.74	19.49	10.53
39.81	32.60	26.57	32.94	36.39
21.60	21.34	19.01	21.30	19.94
15.23	13.85	7.66	6.13	12.91
27.47	25.31	32.24	24.30	27.03

11.64	8.87	12.04	16.65	10.82
68.67	69.09	56.52	57.61	63.66
1.49	1.39	0.30	1.71	1.14
30.45	23.74	22.99	29.03	25.89
16.52	15.06	21.79	10.53	16.69
11.74	9.05	10.55	18.60	10.58
6.07	7.39	6.57	5.57	7.03
1.19	0.74	1.19	0.84	0.81
1.59	2.31	1.19	1.13	1.56
23.98	28.82	24.98	70.17	26.45
113.45	96.80	94.14	86.00	100.31
31.95	23.00	25.08	35.32	25.25
8.96	4.43	3.18	45.29	6.80
27.57	28.63	29.46	14.38	30.16
1.49	2.40	0.90	0.45	1.61
499.58	278.39	87.87	40.23	313.53
67.67	101.97	39.70	61.46	77.59
1.19	0.74	1.49	3.83	1.01
2.59	4.99	4.18	6.57	3.57
2.39	1.94	2.99	2.13	2.27
4.48	3.23	5.17	6.91	4.23
8.36	7.20	8.46	9.70	7.99
14.33	10.25	14.53	12.79	12.56
867.80	491.94	697.47	855.47	636.97
139.13	181.22	192.95	206.23	159.42
24.78	25.12	26.17	28.64	24.89
32.94	35.56	36.32	33.35	33.06
25.97	24.48	28.56	15.18	28.18
5.37	6.10	6.17	4.93	5.74
6.37	31.59	13.43	41.08	14.36
0.10	0.28	0.10	5.02	0.15
44.19	41.10	44.98	41.56	44.28
0.00	0.74	0.50	2.47	0.34
36.32	30.39	34.53	28.36	33.80
101.11	109.18	118.62	84.90	104.67
6.97	5.54	3.78	1.33	5.27
2.89	3.88	4.18	2.09	3.62
200.53	179.56	188.77	232.06	184.14
28.06	26.05	28.86	20.47	27.72
37.52	27.16	31.84	40.48	31.67
6.27	6.00	5.57	7.19	6.61
47.27	45.91	42.59	23.56	46.79
85.59	74.26	73.04	119.32	76.31
12.34	6.56	7.86	7.58	8.62
50.06	64.38	57.52	45.54	54.89
20.10	21.89	24.58	35.59	21.69
25.58	24.57	25.18	24.45	25.40

252.58	328.82	241.81	206.65	282.98
118.53	141.41	141.90	162.69	138.31
109.47	142.06	169.37	219.16	127.95
0.60	4.34	1.89	2.07	4.55
45.28	52.19	38.41	36.06	46.15
23.19	31.68	34.53	52.87	29.36
5.67	5.26	4.98	4.00	4.89
21.60	10.99	14.63	28.31	16.82
62.40	87.93	87.17	88.33	76.39
48.86	51.82	42.59	35.24	51.16
45.98	78.79	35.33	20.20	58.81
159.23	71.49	88.07	300.67	113.09
10.05	10.25	10.35	7.67	10.79
36.03	46.00	33.63	31.92	40.82
3.48	5.91	2.29	2.65	3.74
12.24	11.64	13.04	23.66	11.79
1.39	1.39	0.20	1.05	1.06
62.10	62.16	55.13	76.34	63.00
4.58	2.59	2.59	3.08	3.54
36.03	32.05	34.53	37.41	35.41
1.00	1.29	1.69	1.26	1.63
4.38	3.88	6.57	5.31	5.85
3.18	2.59	0.50	0.79	1.82
6.37	16.16	10.45	12.88	9.95
23.09	25.68	23.88	21.65	24.38
84.89	59.76	62.69	73.68	69.73
21.79	29.10	26.17	16.82	25.14
12.94	5.63	10.65	24.86	8.85
165.80	206.34	179.42	109.56	194.36
13.04	15.15	13.63	22.07	13.07
14.43	24.85	9.75	2.60	17.31
114.45	162.10	160.11	167.21	146.10
2.79	1.66	1.49	2.19	1.77
136.14	125.99	131.65	135.32	132.10
3.18	3.79	2.19	3.20	2.73
237.15	217.89	284.90	165.43	242.82
5.57	12.01	14.53	60.52	9.48
54.34	46.00	58.41	58.56	53.99
125.59	131.62	115.43	64.31	130.88
3.88	4.16	8.56	3.59	5.22
1.79	2.40	1.59	3.92	2.71
15.62	20.51	13.53	22.55	16.33
26.77	31.31	20.40	37.99	28.46
21.79	21.24	21.79	17.33	21.45
36.13	67.61	78.31	83.94	58.71
114.84	168.75	116.33	112.96	136.03
25.48	39.72	25.97	49.45	31.63

1.09	2.96	1.09	3.37	1.60
16.82	15.42	16.42	15.09	16.81
7.76	6.56	8.16	17.46	6.50
28.56	11.18	34.43	40.51	26.28
0.90	1.48	0.30	2.46	0.95
101.91	128.57	99.11	103.71	112.17
48.66	47.85	42.59	19.83	47.84
105.99	139.56	150.66	163.97	131.50
39.61	43.41	43.68	40.67	41.59
9.95	11.08	11.74	19.56	10.50
126.89	140.95	134.44	121.41	133.75
89.87	93.01	83.39	59.59	92.86
34.93	34.73	39.70	34.97	36.65
10.35	7.20	6.17	1.85	7.92
42.30	39.26	30.05	32.41	36.64
108.97	98.92	98.22	135.50	105.13
12.34	15.33	17.51	6.13	15.43
20.60	22.17	23.48	12.14	22.47
39.81	39.16	38.31	39.44	38.44
42.49	92.83	78.21	60.01	70.08
1.59	1.20	1.09	1.55	1.26
57.32	44.70	45.28	64.07	49.77
4.48	4.80	2.19	5.34	3.50
0.60	1.11	1.19	1.29	1.32
27.57	29.19	27.86	33.30	28.64
14.63	14.59	14.03	11.99	14.92
4.08	7.39	5.67	5.37	5.17
21.00	22.72	21.99	22.35	20.59
33.54	22.81	32.44	36.63	29.58
26.27	25.40	25.67	21.64	25.71
44.19	51.82	48.76	51.22	47.21
4.58	1.29	1.49	3.37	1.97
2.29	1.94	1.89	3.10	1.85
8.36	9.61	6.97	9.09	8.79
32.34	59.02	41.89	49.08	41.87
11.05	9.42	8.56	10.76	8.74
92.75	39.72	42.89	133.13	54.92
14.03	12.01	14.73	15.09	13.41
97.03	77.49	78.81	60.28	88.84
40.11	34.08	38.11	53.40	36.72
6.17	6.47	7.07	7.78	6.76
16.92	26.79	17.81	15.40	21.53
12.94	16.35	17.31	18.24	16.76
40.40	39.62	37.22	36.21	37.80
33.94	30.20	32.04	37.55	32.03
2.49	3.69	3.78	3.45	3.15
1.59	0.92	1.69	3.44	1.62

1.49	1.85	2.19	6.64	1.95
8.26	7.48	9.65	7.62	8.05
6.87	5.82	5.97	9.45	6.24
8.66	8.77	10.45	8.54	8.83
17.71	21.89	21.20	23.70	19.78
10.25	8.50	13.93	17.85	10.79
18.01	22.44	19.21	25.44	18.26
18.61	18.66	17.51	22.06	16.69
81.11	81.65	77.82	89.59	74.76
13.53	18.29	17.02	33.70	15.11
12.94	12.10	14.83	14.96	11.77
9.35	10.99	7.96	10.30	9.38
72.25	75.09	65.78	59.98	72.13
2.79	4.25	1.69	8.68	2.84
17.71	15.15	12.34	12.67	16.10
32.64	29.10	31.35	31.45	31.54
96.33	92.73	89.96	38.84	94.88
193.76	155.17	191.16	114.04	178.37
65.98	51.91	54.33	41.11	59.38
45.38	37.59	39.21	32.27	41.40
124.00	93.01	92.74	80.93	108.34
11.54	16.35	12.84	15.79	14.51
14.23	14.04	16.02	11.60	14.70
50.56	49.88	47.07	49.78	47.54
42.00	41.38	29.65	17.12	41.29
14.13	13.85	12.44	12.13	14.68
79.91	81.65	57.22	7.98	77.33
122.81	187.32	224.69	93.53	186.80
54.83	65.30	64.38	52.57	60.52
2.59	3.60	2.69	0.70	2.69
29.06	18.84	26.17	18.89	25.02
72.55	65.03	63.49	39.16	72.20
2.79	1.57	1.69	1.17	2.05
6.27	8.41	12.04	14.78	8.19
13.63	9.98	12.34	9.83	11.54
4.88	5.26	7.36	5.15	6.18
7.17	6.47	7.36	37.67	6.01
24.98	16.81	54.93	53.44	35.17
1.99	0.18	0.60	2.43	0.85
16.32	13.58	12.34	18.68	12.71
4.58	7.94	5.08	6.62	5.98
27.17	31.50	32.84	20.43	29.00
41.40	43.69	35.92	34.16	41.65
37.12	38.42	51.84	40.08	43.34
31.55	35.75	34.33	30.56	32.86
4.98	3.23	3.08	4.43	3.87
3.98	8.22	7.16	5.94	6.39

1.89	4.25	2.59	3.18	2.78
1.00	1.85	1.59	1.66	1.33
18.81	22.54	19.60	19.84	20.67
18.41	16.44	12.94	10.90	16.65
6.17	7.02	6.47	5.57	6.65
20.90	22.08	21.39	21.86	19.88
36.42	23.00	31.84	17.43	29.19
45.68	41.47	40.80	45.45	42.94
10.75	9.33	12.94	10.69	11.25
19.31	21.06	18.91	20.11	18.95
11.74	14.41	13.63	14.28	13.54
4.88	4.34	5.47	1.13	4.84
2.19	2.03	1.89	2.83	1.78
14.53	6.19	5.08	26.22	7.43
4.08	1.48	1.29	0.00	2.91
189.68	226.76	231.56	173.36	216.14
37.52	43.97	39.80	56.93	39.86
1.29	3.97	0.20	0.12	2.19
7.26	7.94	6.17	5.78	7.74
3.18	7.11	4.68	6.22	4.72
28.46	21.34	29.36	40.05	27.24
20.80	16.90	19.11	20.66	20.33
37.72	39.81	34.23	23.63	38.64
105.39	214.01	219.52	132.08	189.88
74.34	57.36	70.85	74.26	65.13
4.28	3.79	2.59	1.44	3.45
84.79	38.05	33.83	138.04	48.29
0.50	1.20	0.20	3.16	0.57
33.14	32.14	35.53	30.74	34.32
5.87	6.00	6.57	5.98	6.54
43.69	19.12	25.08	7.95	33.08
13.73	10.71	13.53	10.59	12.49
0.30	1.85	0.50	1.19	0.88
20.70	15.79	15.23	21.14	16.24
82.50	83.96	72.24	77.53	79.09
51.25	61.42	54.13	47.86	57.26
7.76	1.39	4.78	6.37	4.52
49.36	49.14	47.67	36.43	49.07
11.54	7.67	7.66	22.18	8.14
24.28	33.53	27.17	27.35	30.34
3.98	2.96	4.38	5.44	4.34
11.44	7.85	5.77	18.93	7.59
5.47	6.74	6.37	8.67	6.10
63.09	59.02	59.61	69.10	59.60
42.10	42.30	41.10	38.30	41.79
23.29	23.46	19.80	16.26	21.88
3.18	7.30	5.37	1.03	5.73

314.28	329.19	282.81	306.71	324.76
22.79	31.96	24.08	20.38	27.19
81.11	60.13	61.00	50.37	67.01
17.32	19.86	16.32	14.72	17.41
35.53	36.30	34.63	38.13	35.45
38.81	38.15	41.30	45.41	37.58
4.78	4.90	5.47	15.12	5.18
21.60	17.27	16.72	15.86	18.47
42.00	40.36	40.70	25.91	41.31
34.53	37.04	38.61	35.07	35.56
13.44	17.46	17.71	13.87	15.91
37.22	44.15	42.19	40.45	41.37
6.07	7.76	5.37	3.59	6.54
15.33	15.98	15.92	10.93	16.95
9.65	8.13	8.56	6.42	9.36
64.19	53.76	56.02	38.21	61.36
41.10	42.03	34.63	27.55	39.19
5.47	7.48	4.78	8.86	6.17
11.94	12.10	10.95	15.00	11.62
12.44	13.02	13.43	12.55	13.23
5.67	4.25	5.17	6.01	5.42
3.28	2.59	2.89	2.77	2.73
8.46	7.76	6.27	6.26	7.77
24.68	25.95	27.07	20.46	24.57
0.90	1.20	2.39	3.42	1.44
43.39	41.38	41.99	33.09	43.15
2.19	1.66	2.49	4.63	1.87
41.50	41.93	32.74	55.10	37.47
63.99	54.68	61.60	52.88	60.53
59.41	66.60	68.56	67.72	64.90
15.72	21.24	21.59	17.06	19.09
192.17	217.24	203.20	169.88	203.25
16.62	7.76	22.09	12.53	12.50
15.23	13.85	12.84	29.00	14.93
12.74	14.87	12.64	25.25	12.81
3.58	3.51	3.38	2.86	6.19
51.65	58.74	46.87	91.13	50.36
24.48	24.75	28.56	42.31	26.27
378.97	260.93	233.75	138.43	327.03
17.71	30.02	25.57	12.68	25.24
11.94	14.13	2.89	0.09	34.48
37.22	39.26	37.42	41.15	38.13
9.95	14.78	11.44	16.75	11.63
30.85	33.53	30.45	29.92	31.50
394.00	426.54	398.54	259.44	415.88
6.47	6.74	7.96	19.75	8.32
63.39	40.73	41.10	44.11	50.10

123.90	92.73	99.31	119.16	105.47
220.14	519.37	398.74	252.95	355.71
1.79	2.03	2.69	1.53	2.07
0.30	1.20	0.70	1.46	0.64
97.13	85.07	70.06	53.18	94.60
60.61	52.93	58.81	47.78	55.74
1.49	2.68	3.38	3.80	2.74
160.32	136.52	142.10	143.19	146.20
173.26	127.93	141.01	168.90	140.76
46.38	54.22	45.77	57.34	46.16
49.66	44.80	50.95	39.02	49.51
2.49	2.49	0.40	3.36	1.72
42.40	35.38	37.22	37.35	38.85
12.34	10.53	12.34	21.36	11.74
81.61	79.16	86.57	55.38	83.90
44.39	32.42	43.59	57.06	39.19
18.71	14.13	16.62	19.08	16.31
16.82	10.71	14.03	15.03	14.34
34.04	26.51	32.34	47.28	30.07
16.22	15.52	18.71	18.97	16.65
14.23	15.15	13.53	14.14	14.11
43.89	41.56	46.27	41.24	43.60
8.16	5.54	7.26	11.51	6.82
4.98	5.17	6.17	3.53	5.78
117.13	111.02	169.76	190.14	134.77
1.49	0.46	0.90	1.05	0.84
71.75	51.72	61.80	64.04	61.38
19.70	23.18	15.82	17.77	19.44
26.47	26.60	25.38	33.72	26.37
0.60	1.66	1.59	0.39	1.34
34.23	33.53	32.04	28.97	32.59
37.42	33.53	30.45	37.87	34.03
26.47	26.14	22.49	22.01	25.47
64.29	44.34	55.92	43.24	55.50
5.87	2.49	3.88	3.13	4.83
59.01	50.62	52.54	62.70	52.19
41.30	60.78	59.71	63.11	51.65
18.01	16.44	12.84	16.13	16.18
25.38	24.20	22.19	27.05	24.16
41.00	38.15	37.61	42.12	41.98
1.00	0.92	0.70	1.50	0.78
11.64	9.88	12.94	13.03	11.33
104.40	75.65	83.09	105.93	90.66
15.43	13.49	12.94	18.30	13.74
17.32	23.09	23.48	19.28	22.19
8.36	10.44	12.14	19.72	9.15
9.45	8.04	8.06	4.55	9.23

354.78	237.66	346.10	373.23	285.08
3.18	5.91	5.67	0.61	4.99
395.79	355.05	365.40	133.86	380.23
32.94	28.73	37.42	41.60	31.72
18.81	22.63	20.50	21.75	20.19
5.77	3.33	3.78	3.78	4.61
24.48	17.27	21.99	31.03	21.97
20.50	23.37	24.48	31.96	21.73
46.97	33.07	44.28	34.84	39.79
5.37	6.28	5.87	8.24	6.02
65.28	66.50	68.06	84.98	65.05
104.69	104.10	104.68	103.01	103.27
42.40	32.79	36.92	55.25	37.59
69.56	70.66	74.93	90.89	69.26
42.59	44.80	41.99	40.10	43.21
57.52	63.27	60.80	93.75	63.68
79.12	83.13	81.70	79.31	81.82
1.59	2.49	2.49	2.07	2.43
43.39	42.95	43.88	50.68	46.38
14.53	10.62	11.05	8.75	11.95
4.38	4.43	4.58	3.68	4.42
68.17	69.46	66.47	61.29	67.22
248.50	474.57	503.12	433.82	403.43
10.35	11.08	9.55	3.81	10.34
2.59	1.39	3.58	3.85	2.39
46.18	50.99	51.25	35.36	50.08
17.12	4.99	7.76	18.67	9.20
10.85	8.04	12.34	8.56	10.87
22.59	8.13	9.95	30.16	11.90
7.66	11.45	14.53	4.58	10.56
734.55	1042.80	1095.71	1252.60	1074.12
29.66	26.42	26.87	31.48	28.41
2.29	0.92	1.59	3.02	1.80
47.27	67.24	47.86	37.36	56.06
34.33	28.73	39.31	14.82	33.23
5.08	12.10	4.48	0.18	8.98
28.06	26.51	24.38	27.35	26.49
33.44	49.32	44.48	18.53	47.69
22.89	36.11	29.95	23.72	30.13
2.99	1.20	0.30	0.85	1.53
37.62	28.73	27.17	31.38	31.87
128.48	113.52	138.02	222.49	123.54
81.70	102.53	78.21	24.73	90.61
86.78	73.62	53.44	16.38	74.39
6.07	6.10	5.27	4.96	6.38
0.30	1.85	0.80	2.98	1.05
6.47	5.36	6.67	5.66	5.82

1.29	1.11	0.80	9.13	1.02
0.20	0.74	0.60	1.86	0.51
60.01	50.62	70.95	58.39	58.75
26.37	17.83	21.00	27.81	22.17
0.90	2.96	1.00	1.62	2.00
39.91	26.23	44.68	85.32	33.32
91.46	97.63	100.80	137.36	90.15
3.18	5.82	6.17	3.15	5.15
0.60	0.83	0.50	1.53	0.70
131.36	119.89	135.23	137.92	138.61
5.37	7.39	5.57	10.15	5.25
139.23	113.79	100.80	48.59	129.49
54.83	40.55	45.87	72.17	47.12
21.10	21.52	17.71	20.52	19.85
58.22	47.85	49.95	50.81	53.34
22.79	24.85	13.04	13.62	22.08
6.17	9.88	9.25	21.76	8.09
13.53	13.02	13.73	20.38	13.67
8.76	7.48	7.56	9.87	7.72
4.78	3.60	4.68	4.21	5.09
11.44	9.98	9.45	12.23	9.99
1.69	1.11	1.29	1.76	1.28
21.50	16.81	19.30	15.55	19.11
32.44	29.56	28.06	30.75	28.96
54.93	62.44	41.50	17.00	65.60
40.80	43.32	35.53	30.01	40.11
3.48	3.69	3.88	4.14	3.14
20.10	16.63	23.29	15.78	20.46
43.39	32.70	37.12	38.35	38.75
5.77	6.00	6.47	8.24	6.01
46.18	40.73	32.14	35.91	39.23
2.09	2.03	1.89	1.54	2.26
29.56	32.79	37.02	37.86	36.43
285.72	447.14	512.97	477.11	417.62
103.70	89.22	90.55	31.91	98.68
31.95	29.28	25.97	24.65	29.75
25.08	24.48	17.61	17.44	23.36
63.79	42.67	58.91	47.12	56.21
0.60	1.11	0.80	0.74	0.91
2.09	1.94	1.29	2.41	1.74
21.79	15.79	20.90	34.30	17.34
62.50	52.28	56.92	79.16	56.81
1.19	1.20	0.80	0.28	1.11
8.96	9.14	10.15	10.49	9.46
52.45	58.47	53.74	55.50	55.21
8.36	4.16	3.08	14.62	4.85
41.80	32.42	39.31	82.64	36.43

0.80	1.11	0.90	2.55	0.83
5.17	1.75	1.09	0.06	3.24
15.23	15.24	13.43	5.69	14.73
11.94	14.41	13.63	4.55	12.49
133.95	595.11	349.48	459.92	371.94
79.12	98.92	81.90	59.99	89.83
8.06	9.51	10.75	11.44	9.95
9.35	10.90	6.37	4.29	8.45
14.53	20.69	14.43	16.05	15.79
20.40	20.78	20.50	21.66	21.17
2.99	5.91	4.88	6.30	4.45
12.84	11.45	9.35	9.61	10.49
38.12	42.03	39.51	37.61	39.19
22.69	26.14	26.47	19.43	24.06
3.88	2.03	2.09	2.48	2.73
14.93	17.46	11.24	10.35	14.47
3.88	4.43	3.58	4.63	4.11
72.45	100.96	93.44	92.39	88.68
2.29	3.42	1.79	1.80	2.63
24.28	16.90	21.69	15.37	20.45
46.97	38.79	41.60	55.92	39.42
55.43	49.05	46.37	49.76	50.62
1.89	1.20	1.69	7.34	1.51
10.65	11.45	10.65	0.95	10.71
3.18	3.14	1.79	3.45	3.01
7.46	5.45	6.47	5.15	7.31
22.49	18.84	18.21	18.64	19.43
61.01	54.40	68.56	56.72	61.68
15.43	18.75	11.34	8.54	16.59
18.21	15.24	19.80	20.08	19.15
5.77	5.91	5.57	7.97	5.48
18.41	18.47	14.33	11.20	16.40
13.04	10.16	10.05	14.31	11.78
15.33	12.38	13.33	14.06	13.86
23.59	18.75	24.28	18.69	22.02
2.29	1.57	2.39	1.75	2.00
1.00	1.94	0.50	0.73	1.55
31.55	26.51	20.70	17.30	27.11
10.85	13.95	10.65	11.59	11.04
89.17	86.36	86.97	74.59	87.56
52.35	55.51	58.11	58.70	56.11
48.27	42.77	27.96	4.39	42.12
213.77	219.83	137.03	68.40	194.17
1.59	1.94	0.70	0.88	1.15
2.59	4.06	2.59	7.18	3.04
9.65	8.96	8.16	9.75	10.23
13.53	10.81	14.93	12.71	13.23

66.18	89.87	83.69	91.11	77.23
74.14	83.59	60.70	50.21	72.66
92.75	95.14	102.10	114.40	97.47
101.31	100.59	116.23	136.62	118.33
2.89	6.37	2.69	1.44	4.28
35.13	39.53	36.02	40.23	35.78
15.23	14.69	9.55	11.99	14.35
16.02	12.47	10.95	11.87	12.73
2.59	2.49	2.99	3.78	2.65
1.19	0.65	0.80	1.84	1.26
55.83	49.78	48.26	33.15	58.01
12.94	8.41	7.96	0.76	11.43
11.84	9.05	5.97	0.37	11.10
66.98	75.55	74.93	83.75	72.11
0.40	0.92	0.20	1.55	0.79
30.25	28.91	27.66	25.49	29.85
0.80	0.83	0.80	1.68	0.73
2.29	1.94	3.08	4.17	2.49
4.48	3.88	4.48	5.45	3.65
3.88	8.22	3.18	2.16	5.68
1.89	1.66	4.38	1.43	2.93
23.09	24.66	26.37	34.02	24.56
50.06	45.72	43.78	59.55	46.35
7.86	7.85	10.35	11.40	9.32
14.43	13.85	15.32	18.95	15.98
79.81	71.86	83.29	73.08	80.43
2.39	1.11	2.59	3.00	1.68
4607.72	4233.47	3776.71	6514.63	4196.28
7.56	8.87	6.87	8.59	8.03
59.81	52.56	37.32	7.02	56.17
21.99	36.76	23.48	30.67	28.83
24.48	25.68	19.70	15.57	24.98
47.87	44.80	38.81	41.62	43.73
22.99	22.81	21.99	22.93	23.26
1.00	2.49	1.69	0.03	1.99
23.09	18.57	14.63	16.25	19.06
21.30	18.20	15.62	11.12	20.22
47.47	39.90	45.28	37.34	47.30
219.14	198.68	128.67	21.62	240.13
41.60	14.50	19.30	74.24	23.14
121.01	133.28	122.60	107.44	130.90
37.22	32.14	26.97	30.19	33.11
0.50	6.10	2.39	1.49	6.13
27.96	27.52	23.88	21.78	28.15
12.74	10.25	10.25	14.67	10.33
27.87	26.88	27.46	20.06	27.62
13.24	10.16	11.44	14.29	11.42

6.07	5.45	6.27	3.92	6.40
12.14	9.42	11.24	8.46	10.82
13.44	12.10	14.23	14.65	13.29
28.66	25.03	22.79	26.55	25.72
28.46	23.83	26.67	18.89	25.39
11.15	10.07	10.85	13.36	10.48
17.12	21.15	18.11	20.85	20.12
20.40	18.84	20.70	26.63	19.94
7.76	5.45	3.08	0.65	5.18
22.79	28.91	34.33	22.48	28.11
793.26	731.99	723.24	85.21	833.06
26.57	20.51	21.10	4.24	22.69
5.97	6.65	7.66	4.80	6.49
1.09	3.23	3.68	1.00	2.60
2.69	1.20	0.80	1.50	1.36
9.45	7.57	4.88	29.96	6.83
39.51	23.28	35.53	33.04	31.49
22.69	10.90	12.84	0.17	20.00
27.47	30.02	64.98	85.80	36.39
83.89	84.51	89.66	108.40	85.19
1.89	0.55	1.89	8.32	1.34
79.91	76.66	85.78	86.79	77.00
34.63	36.39	39.41	36.61	38.28
92.55	121.92	138.22	203.65	127.79
5.67	5.54	5.47	8.24	5.94
28.76	35.19	42.69	46.04	35.50
113.45	131.99	129.66	111.05	113.66
53.94	56.07	44.68	44.75	53.13
35.33	65.67	46.47	141.61	47.16
16.92	16.81	17.51	27.92	17.61
90.66	99.57	108.67	84.78	96.85
4.28	5.08	5.77	4.74	5.36
10.95	23.18	11.05	4.01	15.37
0.10	1.39	3.58	0.93	1.55
124.40	99.85	131.95	63.88	93.78
12.14	34.36	9.06	7.95	17.24
3.38	3.97	3.58	4.61	3.68
15.23	13.49	13.73	8.82	14.49
6.47	8.04	9.75	20.27	7.90
7.17	6.10	6.77	8.86	6.36
0.40	1.11	1.09	0.57	0.74
0.30	1.57	1.19	0.33	1.05
4.18	18.29	14.73	4.51	10.44
12.94	26.23	26.67	17.55	21.45
24.18	22.81	25.08	48.34	25.12
6.47	4.43	6.07	4.86	5.54
8.36	8.41	5.97	6.22	7.10

11.44	10.99	9.95	9.04	11.00
4.38	2.96	3.78	3.43	3.73
2.39	1.39	0.80	1.35	1.62
8.26	8.50	7.46	5.29	8.04
24.68	19.86	21.69	18.06	20.41
140.92	135.13	142.30	150.35	139.78
55.03	70.01	67.77	58.42	72.13
1.19	1.48	1.39	1.77	1.36
17.61	15.06	13.93	12.43	14.81
12.14	15.42	17.12	16.08	16.13
28.16	16.07	24.18	49.39	20.86
32.05	25.40	33.93	55.76	29.13
10.05	12.75	10.15	11.06	12.21
31.05	30.57	30.55	35.34	30.87
40.90	37.22	43.09	40.37	39.02
32.54	32.51	30.35	45.10	30.64
84.19	98.09	85.18	64.19	91.68
46.38	42.49	40.50	40.26	42.66
83.30	76.48	75.83	79.10	77.53
37.92	32.24	37.22	39.63	37.89
21.40	18.47	17.61	13.20	20.31
31.55	35.01	39.51	36.53	36.05
8.26	6.56	9.15	7.16	7.67
24.38	21.80	25.08	18.02	23.56
2.89	4.16	3.18	8.35	3.28
14.33	8.68	10.35	16.87	10.23
17.42	16.81	22.19	19.13	18.37
32.05	31.03	32.34	33.44	31.84
15.52	13.12	16.22	12.19	16.68
8.56	10.44	8.86	13.44	8.64
59.81	49.78	44.38	38.65	51.66
25.58	18.75	22.99	21.99	22.54
26.77	29.37	27.27	32.61	26.91
3.09	3.14	2.99	5.93	3.91
52.65	59.95	60.20	70.16	59.61
59.71	100.03	115.23	90.49	88.16
22.99	17.73	26.37	17.79	22.23
32.64	32.97	32.44	35.84	32.82
372.20	278.57	268.38	315.37	322.69
0.30	1.11	0.70	0.84	1.09
74.14	67.61	82.29	96.76	72.52
31.85	31.77	31.64	34.66	33.22
16.42	14.69	13.43	17.93	14.32
0.30	0.28	0.60	1.30	0.32
1.59	1.20	3.38	4.28	1.83
28.46	16.07	28.26	13.54	21.99
74.34	67.24	79.91	64.90	72.51

112.06	75.37	97.82	168.24	92.05
1.79	0.83	1.29	1.81	1.23
60.41	49.51	47.96	58.40	50.61
2.19	1.85	1.89	1.66	2.18
3.58	3.79	3.98	3.34	3.50
6.57	8.50	6.87	8.76	7.63
13.63	17.73	5.37	1.85	16.57
15.43	15.98	14.33	17.72	16.11
115.64	97.08	120.71	74.35	111.70
18.91	16.63	16.02	18.89	17.06
351.70	303.24	252.86	158.78	334.02
85.69	144.83	75.33	44.44	104.05
122.21	118.87	99.61	82.99	124.41
22.49	24.48	23.98	27.85	21.84
35.93	16.72	21.30	58.51	22.62
42.49	15.61	20.50	69.52	23.53
64.69	45.91	51.84	78.55	53.74
15.13	12.19	14.03	15.53	13.34
13.14	13.21	11.84	15.20	13.15
6.77	4.71	5.47	4.78	5.56
16.62	14.04	15.82	14.35	16.26
218.64	184.92	171.85	124.71	193.22
42.59	26.60	31.35	20.93	34.16
18.31	15.98	16.02	14.23	16.71
28.26	25.86	26.67	29.87	26.23
120.42	122.20	121.00	118.10	120.29
10.15	19.86	15.52	14.39	14.13
2.69	0.00	0.00	0.85	2.09
6.17	7.67	8.76	3.96	7.45
13.63	14.87	11.44	9.96	13.27
78.52	67.15	49.06	2.77	68.19
1.19	2.77	2.19	1.31	1.92
21.60	18.38	19.50	14.69	20.33
1.49	1.48	0.90	0.79	1.44
1.69	0.92	3.08	1.74	1.68
43.69	23.09	31.25	118.16	38.24
7.96	8.22	9.25	7.82	7.97
4.28	5.45	3.78	4.94	4.45
23.88	21.06	18.81	19.27	21.02
21.79	15.33	16.82	16.35	18.85
5.67	3.88	4.78	2.52	5.19
2.79	2.22	4.78	1.85	2.82
2.49	3.79	3.48	1.89	3.20
6.27	8.96	4.98	3.54	8.27
11.94	18.93	16.52	5.73	14.78
3.48	1.48	3.18	1.06	2.70
19.21	24.38	25.08	21.60	20.92

23.59	18.29	21.99	17.23	21.27
20.20	30.02	25.38	37.74	25.53
0.60	2.12	0.70	1.01	1.14
17.42	13.76	12.44	15.00	16.14
23.79	24.66	24.58	30.13	23.81
1.09	2.22	2.09	2.58	2.23
2.69	3.69	6.37	6.03	3.72
5.87	6.00	7.26	5.64	6.11
70.96	75.46	80.70	72.26	76.32
1.19	1.29	1.29	1.19	1.26
9.35	8.77	7.56	6.68	8.70
6.47	7.67	5.97	5.76	6.51
2.49	0.65	2.59	6.20	1.81
12.64	11.82	10.95	11.48	13.62
22.99	23.46	28.56	24.86	26.01
2.59	2.68	3.78	3.60	2.99
4.38	4.90	4.68	4.97	4.91
10.75	10.16	10.95	9.86	10.65
130.97	119.15	133.84	146.90	128.16
3.98	6.47	8.76	6.25	5.91
2.49	3.60	3.08	3.37	2.86
15.13	13.12	13.04	15.54	13.00
37.82	47.75	47.37	37.82	46.87
4.48	3.79	5.27	9.81	4.33
27.07	11.36	24.78	6.65	18.96
2.49	3.69	2.59	2.60	2.76
1.99	3.69	2.19	2.28	2.82
13.63	15.70	12.14	10.05	14.60
26.67	22.72	22.29	27.09	23.41
11.54	11.64	17.12	12.96	12.60
24.38	30.11	26.07	28.57	27.34
6.97	7.39	8.76	8.02	7.55
1.79	3.69	4.08	1.73	3.15
9.06	7.57	10.05	8.92	8.44
6.77	5.08	6.17	5.36	6.24
5.47	5.91	7.26	7.27	6.08
2.69	2.77	4.28	2.89	3.13
3.58	5.36	3.88	4.32	4.18
23.09	15.52	16.02	37.68	17.03
2.69	1.66	1.59	3.58	1.83
2.29	3.33	2.59	2.44	2.87
12.54	5.73	4.88	5.56	8.59
5.87	4.62	6.57	4.72	5.62
20.20	27.71	25.18	18.71	25.03
11.84	13.02	12.54	14.95	13.08
0.60	0.83	1.19	1.03	0.91
5.67	4.06	3.68	5.83	4.27

44.19	39.62	48.26	49.35	42.14
9.75	10.16	9.95	9.17	9.74
4.28	9.14	6.27	8.28	6.31
2.69	5.73	3.68	3.77	3.75
17.22	15.33	24.18	19.32	19.86
2.69	1.85	2.29	4.61	2.37
3.38	3.60	2.99	5.30	3.53
21.30	21.06	18.11	24.50	19.66
21.79	26.97	20.90	21.75	22.02
25.08	30.85	35.82	32.84	29.38
3.28	2.59	2.49	3.51	3.23
1.39	1.48	2.59	1.61	1.74
9.45	8.31	11.15	15.12	9.28
62.40	56.44	43.68	6.23	56.19
21.50	23.09	28.96	31.10	22.81
12.44	11.92	14.53	21.31	12.75
31.35	22.63	23.98	18.37	25.87
1.79	3.05	5.27	4.79	3.54
23.69	20.51	22.59	16.98	22.00
10.05	7.67	7.07	6.29	8.41
8.06	8.68	12.44	7.84	10.20
6.77	7.20	8.16	14.27	7.11
12.84	11.08	12.04	16.31	12.12
75.73	89.50	54.43	38.98	77.30
13.04	12.93	13.53	29.70	12.72
2.49	4.90	3.78	0.12	3.80
29.36	22.81	26.47	27.52	25.82
24.08	7.85	14.23	23.23	14.29
48.57	41.75	40.30	22.59	41.43
1.49	0.55	0.70	3.94	0.81
141.42	72.97	126.38	435.49	94.76
119.02	146.58	287.58	79.54	176.30
2.19	4.80	2.79	4.63	2.95
28.16	32.70	52.04	46.64	33.47
344.34	318.48	237.73	6.21	306.89
20.60	17.18	21.99	5.08	18.01
784.01	769.40	715.98	16.94	772.50
9.95	8.31	6.87	0.43	9.03
7.17	8.13	10.15	8.88	8.38
3.18	5.17	2.39	2.20	3.70
13.24	13.67	10.25	11.46	11.85
73.74	78.33	87.37	77.07	79.72
3.68	1.75	2.89	6.68	2.49
1.39	1.85	0.90	0.75	1.51
11.64	8.50	10.85	10.93	9.93
27.37	20.60	23.09	26.63	23.73
4.28	4.25	4.78	2.76	5.00

2.39	1.85	2.09	1.24	2.15
9.95	11.64	11.64	26.26	9.92
11.44	11.55	13.23	16.60	11.11
14.03	15.24	12.54	11.45	14.84
10.55	9.14	8.66	6.57	9.68
0.80	1.94	1.89	1.42	1.69
4.18	5.73	3.78	6.72	4.59
0.30	1.20	1.29	1.84	0.82
5.17	5.63	2.79	3.45	4.82
13.34	10.81	18.91	13.10	12.53
19.11	32.51	21.79	23.42	25.42
4.18	3.79	4.88	5.03	4.82
7.07	6.37	5.08	6.58	6.59
109.77	110.56	97.92	81.63	110.37
141.32	141.60	144.59	113.25	142.17
10.75	12.10	8.76	8.28	10.24
6.07	5.63	5.57	6.41	6.43
16.02	13.12	13.53	15.36	14.74
1.00	1.20	0.40	2.51	0.90
3.28	1.94	3.58	7.12	2.86
1.29	0.92	0.30	1.57	0.94
9.06	10.53	8.36	11.24	9.99
8.46	9.51	10.55	10.49	9.40
0.70	0.37	125.18	60.02	36.27
10.85	8.96	8.76	9.45	9.63
5.17	8.22	10.75	11.72	6.79
5.57	5.63	9.25	7.57	6.63
28.16	32.33	28.96	36.81	29.81
1.69	1.75	1.29	1.51	1.56
49.76	69.46	57.12	54.55	57.97
22.99	20.69	22.69	18.44	22.49
1.00	1.48	1.19	1.97	1.17
11.25	14.22	12.54	13.37	12.47
7.96	10.44	8.86	13.06	10.48
9.06	12.38	14.03	9.79	12.21
13.53	8.13	9.65	12.25	12.09
1.89	2.31	3.28	4.03	2.53
12.94	12.28	13.73	7.00	12.64
22.69	18.38	29.75	18.60	24.21
8.16	9.05	8.66	7.23	8.65
20.10	31.22	23.78	39.15	26.01
1.99	3.69	4.28	4.05	3.06
2.49	3.51	2.99	4.94	3.07
10.85	12.93	13.63	9.81	12.04
8.86	6.93	8.46	1.02	8.71
6.57	5.17	6.57	7.20	7.26
18.71	17.55	16.22	15.32	17.32

38.51	34.73	34.83	58.01	36.17
17.32	15.89	13.63	15.66	15.18
28.16	23.09	28.86	27.15	25.46
16.32	14.96	16.52	16.44	15.68
15.33	17.18	16.62	25.28	16.01
4.48	6.47	8.46	10.09	6.02
19.90	25.12	12.34	5.88	22.90
10.35	12.56	8.96	15.76	10.93
28.56	28.91	28.06	31.24	27.85
4.18	5.17	3.28	3.80	3.98
3.88	2.12	1.79	0.99	2.74
0.70	0.46	0.60	1.24	0.60
63.00	63.55	62.79	62.21	63.18
6.47	6.47	4.78	8.65	5.82
16.92	12.75	11.94	22.41	14.19
2.39	2.31	2.39	1.48	2.31
2.89	2.31	2.49	2.86	2.36
109.97	188.06	61.70	1.51	131.31
19.51	21.24	13.43	17.90	17.78
8.06	7.94	11.05	22.93	9.41
22.79	22.26	24.98	30.09	23.95
1.19	0.74	1.00	0.55	1.05
2.59	1.39	1.19	0.31	1.54
3.58	2.59	3.08	1.82	3.20
3.38	4.06	1.89	0.49	3.53
59.41	52.46	52.14	55.35	54.07
11.25	7.02	9.06	12.27	8.76
5.67	5.82	5.37	7.21	6.14
7.36	1.94	3.08	0.00	3.85
218.94	147.97	161.21	269.59	170.54
11.94	8.41	10.35	13.60	9.92
0.90	1.29	1.39	1.36	1.21
12.84	9.24	12.84	8.37	12.42
7.66	9.42	10.05	8.62	8.27
17.22	6.19	10.65	5.65	9.37
0.90	1.57	1.49	0.94	1.43
187.49	155.82	187.78	209.39	183.47
37.72	16.44	15.82	0.30	23.90
10.75	8.22	6.77	8.30	9.31
9.55	10.99	12.34	10.31	10.94
14.43	13.21	13.43	13.79	12.45
0.90	0.46	0.50	2.45	0.56
22.89	19.77	25.57	12.92	22.74
2.09	1.48	1.19	1.32	1.54
8.86	10.53	10.45	12.54	9.79
2.39	2.77	2.19	5.66	2.37
4.38	2.03	4.08	10.57	2.97

138.23	133.93	126.48	123.73	125.92
2.79	4.06	3.28	3.64	3.64
1.19	1.39	1.39	0.79	1.40
2.39	4.80	1.79	5.43	2.94
9.95	10.16	11.24	6.37	10.77
8.86	7.94	8.26	7.97	8.19
27.37	1.75	13.33	35.57	11.97
36.32	33.99	30.85	37.12	34.48
5.67	4.53	3.88	6.25	4.40
9.16	8.50	10.25	11.93	9.56
20.90	27.80	30.75	18.81	26.18
7.36	7.39	14.03	8.77	9.15
8.56	13.21	11.34	4.54	10.74
11.84	10.81	13.43	9.74	12.81
8.46	12.19	10.25	7.62	10.95
404.84	345.45	436.95	633.34	350.19
50.46	44.24	34.03	27.82	41.02
4.18	4.71	8.46	8.92	5.22
5.08	6.56	7.56	5.77	6.35
1.19	2.31	3.08	1.45	2.28
5.57	12.28	13.83	10.80	9.47
5.97	4.90	7.26	10.46	5.89
0.50	0.83	1.29	1.74	1.35
17.32	14.22	11.54	1.78	17.59
1.49	2.12	1.19	0.74	1.39
168.09	175.68	213.55	94.41	190.50
9.06	6.93	6.97	9.71	7.32
1.19	1.29	1.99	2.41	1.25
6.97	5.36	6.77	3.77	6.32
16.92	17.18	16.02	15.11	16.00
0.70	1.57	1.19	2.54	1.18
0.50	0.92	0.90	0.87	0.80
41.80	37.41	29.26	28.07	39.49
31.65	30.20	27.86	22.19	29.44
1.09	0.83	1.39	1.01	1.02
9.35	8.50	9.75	9.68	9.14
2.59	2.96	1.79	3.57	2.31
75.24	216.50	229.57	35.52	218.65
5.77	6.19	2.99	3.42	4.94
52.45	35.47	16.32	0.03	51.15
1.89	0.74	1.29	0.72	1.26
7.17	19.58	6.97	1.92	14.65
32.64	38.79	55.43	52.99	38.47
8.36	5.17	5.87	8.82	7.00
49.56	40.36	35.92	49.17	42.19
49.26	23.09	45.87	37.34	35.55
52.05	55.23	54.33	59.10	54.80

11.05	17.73	13.43	7.80	12.86
21.40	30.48	30.65	31.70	29.63
30.15	31.50	33.24	30.04	31.33
1.39	3.42	1.89	3.51	1.96
3.98	11.73	5.87	4.61	6.63
0.10	0.18	0.10	2.44	0.16
21.20	21.24	26.27	4.13	21.44
1.29	7.76	1.89	11.72	3.75
10.45	14.13	11.74	10.65	11.42
109.87	160.81	133.05	121.86	127.04
75.04	147.97	198.72	232.39	135.42
1.89	4.80	2.69	2.04	3.26
16.82	16.81	18.21	13.17	18.74
3.78	6.28	3.28	2.60	4.57
5.08	4.16	4.88	15.43	4.54
33.24	35.84	38.81	46.41	34.99
29.36	28.17	31.94	28.96	30.95
44.78	57.91	72.94	74.86	56.69
18.11	14.04	15.23	27.40	16.07
1.49	2.22	1.49	0.53	1.43
3.78	2.77	2.99	4.34	3.05
77.82	84.33	71.65	41.24	80.86
43.09	41.84	40.30	43.42	40.31
206.70	228.79	163.10	101.06	187.75
7.17	10.71	7.46	9.83	7.91
3.68	2.59	2.19	4.14	3.50
82.40	83.87	73.64	135.99	83.43
193.07	122.29	118.02	148.08	168.01
101.81	77.59	88.07	203.13	84.07
9.55	6.65	9.95	7.65	8.87
822.72	565.00	656.17	522.69	726.29
369.51	306.74	382.02	554.65	326.41
2.99	3.51	3.88	1.78	3.19
19.41	19.67	24.28	12.47	21.36
3.48	4.53	4.78	0.85	4.46
15.52	11.92	11.15	12.11	12.93
5.97	7.94	6.27	9.58	6.40
8.06	7.67	5.37	3.26	8.72
2.09	2.40	1.49	2.45	1.69
3.18	5.17	3.88	9.72	4.16
2.19	1.94	1.39	2.16	2.23
18.41	22.44	20.10	21.53	20.70
32.05	32.88	32.14	45.18	31.94
134.05	118.69	140.91	151.47	129.22
2.69	2.31	2.99	2.64	2.78
2.59	4.62	3.98	3.15	3.62
22.49	25.77	24.58	29.38	25.12

81.41	79.80	78.31	97.70	76.58
4.98	8.04	7.46	11.89	6.44
43.99	40.09	45.38	66.95	41.04
634.13	570.45	550.59	559.67	581.60
68.57	54.03	56.32	50.26	59.38
40.90	23.74	31.64	8.74	35.78
17.71	20.32	15.72	13.78	18.02
6.17	8.68	15.82	10.22	9.44
0.40	2.22	1.09	3.71	1.21
25.58	32.05	27.46	27.55	29.51
242.93	154.16	189.37	162.56	189.29
11.84	7.94	19.70	5.50	11.07
1096.10	1036.43	1171.83	699.51	1092.96
58.32	56.99	60.80	84.42	54.19
123.90	99.57	89.26	124.59	105.84
208.19	203.57	215.44	229.05	197.62
10.65	11.82	9.95	21.80	10.35
24.58	22.35	51.25	48.81	27.70
2.39	0.09	0.00	1.27	0.62
129.27	110.28	102.30	93.78	116.30
34.73	33.81	31.35	31.01	32.48
95.24	82.85	78.21	69.77	89.05
1.49	1.11	1.69	1.60	1.33
15.13	14.32	15.42	16.59	13.81
1.59	2.49	0.60	1.36	1.52
14.93	15.42	16.02	16.25	15.48
38.02	50.62	32.14	43.99	47.43
28.26	25.77	29.36	23.11	28.96
67.67	76.66	69.16	68.55	72.16
20.20	20.87	24.28	19.53	20.44
4.68	3.69	3.38	6.87	3.63
25.18	31.77	27.66	20.70	31.54
16.82	20.97	23.68	14.28	19.47
1.69	2.31	2.09	1.55	1.87
63.79	66.04	65.08	62.81	63.25
117.83	105.85	112.94	199.05	106.70
50.56	26.60	32.94	110.16	34.28
35.13	38.70	38.71	38.97	36.31
55.93	61.24	71.85	74.12	61.11
1.09	5.82	4.48	16.20	3.86
46.38	51.08	51.75	94.96	47.02
14.43	11.82	13.43	15.64	13.24
99.92	113.79	77.22	21.08	101.65
45.28	36.39	23.48	0.88	41.13
14.13	10.53	8.06	7.19	11.43
12.24	30.20	7.76	7.72	23.85
17.61	20.97	10.05	2.41	18.03

36.62	33.81	31.25	36.32	32.46
9.75	12.38	11.34	8.44	11.65
69.66	80.63	82.10	56.50	83.73
72.45	72.60	69.46	60.46	68.56
2.79	1.02	1.89	0.09	2.31
1.29	1.75	2.89	1.50	1.70
27.57	47.11	52.34	48.56	41.29
17.81	29.19	34.53	29.25	27.74
29.46	27.06	16.12	17.77	25.20
9.45	5.82	6.57	10.35	7.70
2.39	1.39	1.99	1.51	1.73
35.33	34.64	34.63	46.37	33.91
3.18	5.63	2.39	2.21	3.69
37.22	27.16	33.04	43.85	31.14
26.37	35.28	22.99	20.75	28.23
4.68	7.48	4.28	4.92	5.85
7.96	6.28	8.16	7.44	8.28
1.09	1.75	0.60	0.58	1.27
0.40	1.11	0.90	1.39	0.70
2.09	2.68	3.28	0.18	2.42
31.25	17.83	24.68	27.99	22.79
15.62	35.84	12.44	14.55	21.53
14.13	20.97	14.73	21.24	15.71
0.70	1.48	0.40	0.92	0.80
45.68	30.30	41.79	45.09	38.12
26.67	22.44	16.92	14.19	23.48
28.76	27.71	28.66	39.54	29.27
33.14	84.61	58.71	80.27	58.35
6.27	6.19	7.36	5.23	7.42
5.47	4.43	4.08	5.99	4.41
10.85	9.42	11.44	16.67	9.98
23.59	26.23	19.90	23.06	22.73
14.23	41.56	30.95	23.30	33.18
18.11	18.20	22.69	22.12	18.92
10.35	8.50	15.23	18.63	12.43
57.32	50.71	52.34	52.72	52.56
104.49	136.15	130.56	129.57	119.13
4.48	3.14	4.18	2.98	4.40
1.99	3.14	4.48	2.68	3.57
12.44	9.88	11.54	10.93	11.59
14.13	15.52	11.15	18.95	13.67
1.79	1.29	1.89	2.86	1.69
15.33	11.55	12.54	11.07	12.88
7.66	10.07	4.98	4.38	7.16
47.97	26.88	42.29	33.00	35.47
2.29	5.36	5.97	5.84	5.27
6.47	7.11	4.58	3.62	6.40

5.87	5.54	7.16	6.97	5.94
10.55	7.85	7.26	13.30	8.28
67.77	56.80	38.41	36.13	55.74
19.61	21.80	22.49	30.09	24.46
16.92	19.67	19.21	16.44	19.57
3.09	2.40	2.39	3.39	2.76
11.74	10.71	10.95	11.19	11.73
7.96	7.11	7.66	7.78	7.20
6.87	11.08	7.86	16.45	8.09
23.98	22.81	21.99	21.88	22.94
10.85	8.68	8.36	7.30	9.09
3.18	3.51	3.48	4.97	2.99
1.29	4.53	2.09	1.61	2.67
9.85	5.45	7.96	9.11	7.80
6.07	5.73	6.07	3.77	5.82
28.46	32.24	21.89	32.74	28.48
9.85	10.71	9.95	13.93	10.09
7.17	7.67	8.46	5.03	7.50
21.30	23.46	25.47	23.18	23.71
2.19	4.16	3.58	1.85	3.40
0.90	0.83	0.80	1.89	0.82
0.50	1.94	2.09	0.96	1.42
1.69	2.59	1.49	0.92	1.79
0.20	1.11	0.90	0.90	0.83
0.80	2.59	2.79	2.56	2.05
1.00	1.39	3.18	2.21	2.02
8.86	5.45	7.16	9.50	6.98
0.40	2.31	0.30	0.82	1.16
4.88	5.26	2.39	5.49	3.67
34.04	38.24	38.21	56.96	35.45
12.14	8.96	9.45	8.29	10.38
22.29	16.81	13.53	30.45	16.06
1.59	3.14	2.09	1.77	2.31
5.87	5.26	5.77	6.29	5.71
45.48	48.86	42.69	56.80	45.12
8.36	7.57	11.94	20.50	9.46
0.70	2.12	1.00	4.48	1.30
1.69	1.66	1.79	1.95	1.79
4.08	2.59	1.09	3.75	4.02
8.96	12.65	13.93	11.03	12.04
8.16	9.33	9.55	6.40	9.16
1.39	1.39	1.69	0.52	1.31
10.15	11.55	9.55	11.60	10.12
4.28	3.88	5.47	3.66	4.73
16.62	21.61	19.50	15.35	19.71
4.08	6.28	2.29	28.38	4.11
1.09	2.77	3.48	2.14	2.69

2.09	1.75	1.19	3.33	1.58
3.48	4.16	3.38	2.79	4.08
3.68	6.19	6.77	5.25	6.24
21.10	19.40	20.30	18.36	19.93
61.80	63.18	61.30	69.88	60.27
20.80	19.95	15.23	15.19	18.95
12.64	14.50	13.83	12.48	13.43
9.16	8.50	10.65	6.66	9.47
18.41	23.18	22.59	21.42	21.89
8.06	7.48	7.56	8.22	7.17
16.22	15.06	16.22	19.00	15.79
108.67	101.88	132.75	136.58	111.24
3.38	5.63	3.98	1.17	4.76
22.49	15.70	19.01	24.06	17.17
4.48	4.34	5.08	8.35	4.86
1.69	4.06	2.09	0.96	2.66
9.75	11.36	10.05	14.44	11.48
1.99	1.29	1.39	0.09	2.75
12.54	10.71	11.44	9.11	10.95
16.82	13.02	15.32	16.67	14.01
3.48	3.97	3.98	4.37	3.55
157.74	177.71	135.23	166.52	147.03
239.04	117.95	114.93	115.28	156.90
39.21	31.68	31.64	31.36	32.67
4.18	5.26	5.27	5.25	4.34
15.43	17.09	14.23	8.87	16.70
4.28	4.90	4.28	2.75	4.75
5.08	5.08	7.96	5.01	6.27
0.90	1.20	0.60	0.72	1.05
206.00	191.20	213.25	156.87	200.56
1.00	1.20	1.39	1.97	1.31
18.21	23.18	21.99	13.38	23.64
18.21	17.46	16.02	17.35	17.59
9.06	10.53	9.75	12.47	10.05
4.48	4.71	6.27	5.40	5.44
2.69	2.31	1.89	2.73	2.16
25.97	23.28	22.39	19.63	22.52
7.46	5.08	5.87	7.52	5.96
19.51	17.46	20.10	20.29	19.54
0.50	1.02	1.69	0.91	1.37
15.82	14.50	16.92	29.61	14.59
18.11	27.80	9.65	1.48	21.28
1217.61	511.15	576.26	2.16	928.13
5.97	3.88	5.27	7.16	4.89
2.99	4.25	2.19	0.19	4.79
16.52	18.10	15.03	15.13	18.95
7.96	2.49	4.98	11.73	5.09

18.41	5.63	5.67	26.42	9.04
18.61	5.36	5.08	28.02	9.91
4.08	6.19	5.67	3.39	4.93
23.49	7.48	6.27	27.70	11.14
9.85	6.56	7.66	14.68	8.20
28.26	31.03	28.96	25.20	30.05
13.14	18.10	28.26	20.82	19.23
33.14	52.74	50.85	71.19	43.34
38.41	36.67	39.41	31.35	40.02
2.29	1.75	2.29	2.90	1.96
1.59	1.85	1.79	3.54	1.75
26.47	13.02	10.55	48.85	16.33
115.64	116.47	126.68	50.90	119.31
19.21	17.73	10.05	16.61	15.91
4.88	7.11	8.96	6.82	6.88
170.97	191.93	171.56	153.39	173.77
1.00	1.75	1.19	1.48	1.27
28.26	29.83	29.55	33.29	29.55
49.96	62.81	57.91	36.00	57.82
85.39	128.48	121.00	86.00	109.54
17.02	18.84	16.52	21.98	18.49
68.37	74.26	75.83	58.60	71.94
50.46	43.50	52.04	53.27	49.13
19.51	23.65	20.70	19.40	22.37
27.77	21.89	28.76	40.34	25.57
136.64	136.33	146.48	122.19	138.61
0.70	1.02	1.59	1.28	0.89
10.55	16.16	16.52	13.71	14.12
24.18	15.06	28.56	40.67	23.04
10.25	9.98	9.25	4.09	9.11
37.62	39.26	35.62	40.04	37.75
52.45	51.17	59.51	52.39	54.73
91.86	76.02	82.39	58.96	84.16
61.01	59.48	74.23	54.95	64.21
50.66	44.89	53.74	54.94	49.47
69.46	55.70	61.20	79.86	61.39
2.19	1.94	2.59	2.96	2.15
65.58	53.94	70.75	72.02	63.45
23.49	21.52	23.19	28.97	22.86
18.71	21.52	40.30	19.83	25.22
1251.85	563.15	954.80	1059.68	879.39
95.84	64.66	58.71	3.49	94.23
191.57	211.52	154.34	86.30	194.41
0.50	1.11	0.90	1.42	1.10
0.10	1.57	0.40	1.15	0.55
198.24	162.75	177.92	189.56	175.58
58.52	39.72	48.76	107.69	42.75

2.99	3.97	2.69	2.83	3.74
6.77	6.56	1.99	3.19	4.33
173.36	176.05	245.69	149.98	208.72
75.63	78.70	88.86	64.82	76.55
28.36	21.43	27.96	21.50	25.85
140.82	143.81	102.40	50.58	138.99
13.24	12.01	14.33	7.69	13.24
4.38	8.59	6.97	4.56	6.53
7.76	6.56	6.57	7.59	6.45
27.17	26.23	16.42	2.15	27.90
444.55	386.36	249.17	4.94	390.73
332.59	254.84	267.48	171.95	290.56
419.57	369.46	362.22	144.93	411.87
10.55	24.20	23.19	1.21	19.57
122.71	90.98	101.40	91.23	108.82
34.04	24.11	23.38	16.23	25.50
316.67	224.08	233.05	237.16	270.09
2.69	2.31	2.29	2.85	2.33
0.80	2.59	1.19	0.91	2.09
4.78	3.05	2.79	0.03	3.73
172.86	195.26	151.95	122.80	172.54
82.40	154.90	73.84	60.98	127.25
433.40	421.83	419.63	113.22	447.98
5.17	16.63	4.28	5.96	7.44
628.46	546.62	531.88	781.11	557.36
48.07	41.84	44.18	49.80	42.77
115.94	58.93	54.13	1.64	95.48
21.89	19.58	17.31	12.20	19.05
23.69	20.14	23.48	43.58	21.21
24.88	26.51	20.30	20.67	23.19
2.89	2.59	2.39	2.15	2.79
2.59	5.36	3.68	4.52	4.17
16.92	18.93	22.59	22.06	19.44
40.11	11.73	11.54	55.64	19.95
11.35	11.73	12.94	21.68	10.64
6.87	5.36	6.27	20.25	5.76
32.64	17.64	17.41	42.36	22.45
4.98	2.68	2.99	7.94	3.73
9.26	7.94	9.65	8.18	9.05
65.48	61.52	68.76	89.30	65.58
18.51	20.97	15.23	19.99	18.32
65.38	50.25	58.91	60.44	59.67
14.03	9.24	9.85	13.06	12.19
24.88	26.14	24.48	25.20	25.28
149.97	138.46	136.63	145.81	141.97
148.98	109.27	110.56	108.31	128.94
150.87	158.31	157.33	140.13	156.47

9.35	12.75	15.42	12.34	11.59
73.25	115.46	99.71	25.22	103.83
43.89	41.19	34.63	28.23	44.10
42.69	46.00	44.68	46.95	42.47
76.03	117.03	89.36	116.58	102.30
86.58	90.61	82.39	76.08	88.16
32.05	31.68	22.79	35.49	30.37
14.93	12.75	15.42	28.56	13.05
26.27	21.98	18.91	12.20	23.36
8.16	3.33	4.58	17.62	4.52
37.92	37.13	41.40	42.20	36.97
47.57	49.05	44.38	48.47	47.40
15.62	5.08	6.77	22.17	8.64
23.49	8.31	9.15	39.83	12.70
41.00	32.51	33.24	71.63	31.71
5.87	1.94	2.49	9.15	3.08
28.36	13.95	23.68	46.14	19.34
11.25	8.31	9.65	16.25	8.85
23.69	8.68	11.34	38.22	13.17
21.70	50.06	29.85	17.63	33.17
75.24	64.29	59.41	90.33	57.88
10.75	16.53	7.16	18.99	10.16
25.87	21.24	18.01	1.66	21.55
0.50	1.11	0.40	0.95	0.56
0.20	1.85	1.29	4.12	0.99
6.67	7.57	13.14	3.32	9.75
3.18	4.25	4.08	6.05	3.79
11.54	13.21	11.54	12.03	12.67
3.09	7.76	1.99	3.33	3.59
2.29	4.06	1.39	2.23	2.73
31.65	28.08	20.00	22.26	27.51
22.49	18.66	15.52	12.97	18.81
22.79	11.36	8.76	44.49	13.22
11.35	15.15	17.81	11.64	14.20
38.12	36.85	36.02	40.59	37.41
44.58	46.83	40.00	45.38	45.17
35.23	41.29	51.25	50.50	43.02
11.05	10.99	11.54	19.60	11.33
52.45	47.11	46.57	67.68	47.45
41.90	30.57	30.65	32.02	35.12
6.17	4.80	4.18	6.63	5.02
39.31	35.10	31.45	38.56	34.42
19.11	17.18	16.02	24.96	17.05
11.44	16.72	13.43	13.10	14.03
88.77	73.89	99.21	253.34	79.64
14.13	8.22	8.26	4.11	11.28
10.85	11.82	15.03	7.47	11.35

42.79	32.97	38.51	44.99	37.35
10.15	9.24	10.25	12.66	8.70
14.03	15.24	15.13	13.23	13.37
308.31	391.44	393.56	445.19	330.81
29.26	25.49	28.36	35.22	26.40
15.62	12.10	14.93	20.53	14.17
12.04	11.45	13.23	7.36	11.96
13.73	11.82	11.64	10.75	12.01
61.90	55.51	62.09	56.61	60.60
12.24	14.69	11.64	14.21	12.67
1.69	1.20	2.79	7.14	1.70
4.08	3.60	4.48	5.09	4.62
9.06	12.75	9.35	8.18	10.60
116.24	112.13	67.07	8.78	108.33
38.51	34.64	25.87	32.71	32.49
18.41	24.57	24.58	25.57	20.87
25.87	19.77	20.90	17.76	21.59
28.26	23.46	25.47	30.24	25.55
1.99	3.33	2.19	0.40	2.60
46.97	15.61	23.78	90.30	25.70
11.15	7.39	7.46	18.95	7.98
8.06	2.49	3.08	11.32	4.14
1.19	2.86	1.19	1.28	1.63
180.33	215.67	163.40	37.96	222.52
190.98	162.47	184.39	297.64	163.47
9.45	12.47	13.33	11.44	11.88
44.68	32.70	37.91	51.86	34.16
2.19	1.48	1.09	1.69	1.44
1.19	0.74	0.80	1.00	0.84
34.63	41.01	47.76	70.32	39.75
7.36	5.17	4.48	14.62	4.76
82.20	100.68	101.80	90.22	93.80
32.54	24.75	22.69	20.98	27.48
2.89	4.90	3.18	2.66	4.23
4.48	5.26	3.48	1.32	4.51
727.58	561.58	363.11	11.83	625.64
10.25	9.33	8.06	10.35	9.31
59.01	56.34	64.88	47.69	60.59
9.55	8.13	10.75	9.48	9.54
7.76	4.25	6.57	5.48	5.97
0.60	0.37	1.29	0.93	0.69
17.61	18.93	17.81	18.63	18.23
8.16	10.71	8.06	8.99	10.14
0.70	2.49	0.60	1.53	2.30
1.00	1.29	1.09	0.60	1.26
32.14	21.52	19.80	7.08	25.06
11.54	2.77	2.59	16.68	5.80

56.53	53.66	46.47	59.20	53.50
9.65	9.79	7.46	9.88	8.75
27.37	25.95	23.09	36.57	25.01
35.63	14.22	17.81	64.67	20.55
184.21	55.88	74.83	224.90	94.80
9.95	5.45	7.36	18.71	6.73
19.70	14.41	15.92	31.13	15.63
9.85	6.84	8.06	12.17	7.70
11.25	4.53	6.07	24.97	6.22
11.74	8.59	8.76	15.25	9.70
9.65	4.99	6.37	18.61	6.86
1.89	0.46	1.39	3.10	1.16
11.05	9.51	9.95	17.37	9.52
2.29	1.20	1.09	3.68	1.27
8.06	3.88	5.57	14.67	5.07
25.48	17.00	22.89	49.01	19.37
12.54	6.84	7.86	24.52	8.55
1.59	2.49	1.89	5.14	1.87
1.79	1.02	0.80	2.78	1.06
2.49	0.37	1.09	3.85	1.05
37.42	45.35	43.78	44.44	40.76
8.06	10.99	8.46	10.09	8.49
40.40	52.19	46.67	50.09	46.02
5.57	4.43	5.17	6.50	5.25
1.39	1.02	0.80	1.79	1.02
11.05	10.90	12.24	16.10	11.42
8.46	8.50	7.36	10.19	8.07
11.64	8.59	10.25	18.39	9.96
2.09	2.31	3.78	1.81	2.30
10.05	14.41	19.30	12.17	13.97
33.84	34.64	44.18	34.33	37.98
105.49	119.34	98.81	125.49	106.10
71.36	76.66	60.50	47.66	71.92
5.77	7.11	6.27	5.90	6.30
49.76	46.55	45.58	66.99	47.03
38.51	30.85	42.89	45.79	33.46
15.03	22.91	18.61	22.75	18.46
59.61	66.50	66.27	72.55	60.66
74.64	77.96	80.21	83.93	77.93
7.96	7.02	10.45	12.54	7.43
9.65	8.77	8.76	12.43	8.97
17.32	6.10	7.26	25.27	9.66
20.20	15.70	16.52	18.24	16.89
4.38	5.26	4.88	6.23	4.67
7.36	10.25	10.05	11.05	9.88
57.42	94.58	79.21	71.63	81.23
15.92	12.56	14.63	19.82	13.75

10.15	2.77	4.08	15.85	5.13
12.54	15.70	11.94	14.54	13.90
15.23	7.48	7.46	9.64	9.28
8.56	21.61	12.14	17.55	12.95
47.67	31.03	50.05	62.31	39.51
32.44	27.62	29.06	36.05	30.46
12.44	11.45	13.33	14.89	12.43
31.75	33.07	43.09	41.72	35.40
17.02	16.63	15.03	24.21	16.24
28.36	30.20	31.45	23.45	28.66
70.26	93.57	107.27	101.48	92.30
25.38	30.02	31.94	19.23	28.37
11.05	22.08	12.04	25.75	14.95
208.29	210.04	203.70	141.16	203.93
0.80	0.74	0.30	1.90	0.74
21.89	18.47	18.91	24.15	19.21
2.09	1.75	1.00	2.29	1.68
10.25	11.08	9.15	16.32	9.77
36.62	28.45	33.53	37.10	31.47
20.80	14.87	18.71	22.97	18.36
14.33	10.62	10.85	15.61	11.54
0.80	1.02	0.50	0.57	0.96
6.07	5.63	4.98	6.59	6.03
0.90	0.46	1.69	2.63	1.01
15.23	11.08	12.74	18.60	12.60
58.82	41.47	46.07	61.72	47.89
1.59	2.68	2.49	1.04	2.29
1.59	3.69	3.58	7.15	2.88
1.99	0.92	1.79	1.55	1.84
2.99	3.05	5.47	2.37	3.82
0.30	1.75	0.60	0.81	1.14
2.59	3.33	2.69	2.47	3.85
1.09	1.29	1.29	2.80	1.84
47.67	47.11	53.64	45.50	49.16
0.90	2.49	1.19	1.47	1.37
773.36	514.75	460.04	1.34	727.77
2.19	6.56	0.50	0.68	2.50
18.91	13.30	19.11	19.13	16.52
115.84	93.94	95.03	124.46	100.82
190.98	62.44	68.26	77.75	100.97
194.66	171.52	159.81	194.26	174.33
26.47	25.95	25.38	25.47	26.52
24.48	31.22	20.40	9.32	24.74
0.90	1.02	1.19	1.28	1.00
49.36	47.20	46.57	58.66	45.44
22.29	24.01	19.11	1.43	23.58
40.50	69.18	39.31	20.74	55.71

46.08	40.09	55.73	105.60	45.95
5.27	5.08	3.48	6.28	5.10
0.50	3.05	1.39	0.25	1.65
2.89	1.94	1.99	1.50	3.31
39.61	20.04	22.09	82.30	24.51
308.81	291.87	311.57	854.03	286.18
17.71	9.61	13.73	30.14	12.98
15.03	10.53	10.05	16.84	11.74
48.17	42.67	43.49	44.57	43.53
9.95	7.67	8.36	10.34	8.14
1.19	2.12	1.19	1.60	1.48
39.61	32.60	38.91	45.11	37.85
42.30	35.65	45.58	34.85	40.89
9.55	6.56	8.26	6.91	8.14
6.27	5.82	7.46	9.36	6.75
7.86	7.11	5.27	9.54	6.55
5.77	3.69	5.77	5.33	5.01
65.09	66.60	68.96	56.87	67.49
21.70	27.99	31.35	31.02	27.14
116.84	106.77	104.49	93.28	107.40
28.16	50.80	46.67	39.84	40.75
266.51	267.40	248.38	362.08	257.32
4.48	2.22	1.99	4.90	2.39
35.63	33.16	29.46	48.62	31.82
23.29	38.70	40.40	39.14	32.67
71.65	66.78	73.54	66.81	68.18
122.51	138.27	152.55	156.27	136.54
10.15	5.63	5.87	12.36	7.78
8.76	6.28	7.46	18.56	6.92
11.25	12.84	14.43	15.71	11.81
42.30	51.72	43.88	57.67	48.74
25.18	22.72	22.49	28.56	25.27
33662.05	43094.67	32782.52	230.10	37359.94
192.97	539.32	14.63	1.15	343.27
1.19	2.12	1.49	2.28	1.74
14.53	13.12	13.23	13.13	14.23
61.70	50.62	57.52	57.17	58.68
20.40	16.35	21.10	24.74	18.41
18.81	19.58	21.00	21.18	19.52
19.01	18.75	15.42	12.56	16.83
21.10	25.31	27.96	24.98	25.22
30.55	26.23	28.26	27.42	27.92
24.98	24.20	28.66	19.22	27.41
35.53	32.97	31.54	30.36	33.19
62.20	58.56	51.65	48.82	60.24
22.29	24.29	26.47	14.81	25.27
48.37	78.23	48.46	56.04	61.60

0.80	1.48	1.29	3.13	1.40
33.94	25.49	25.67	28.93	27.49
13.73	10.99	13.63	13.92	12.78
4.28	4.43	4.18	5.18	4.26
29.46	30.94	26.97	30.27	27.43
3.09	2.49	1.99	5.09	2.52
36.42	42.58	38.41	30.36	38.16
84.29	59.58	69.56	88.12	72.58
342.94	277.19	445.90	429.05	318.34
104.30	93.57	113.34	139.45	101.85
3.38	6.10	5.57	10.57	4.93
14.63	11.18	13.83	18.49	13.35
7.96	13.85	21.89	49.39	12.79
1.19	3.23	6.37	7.53	3.39
82.20	87.93	39.31	506.34	66.15
5.87	2.68	1.29	1.59	3.06
4.98	4.34	4.98	3.56	4.99
2.09	3.51	1.69	2.62	2.45
3.58	5.26	1.59	3.49	3.15
75.53	72.14	83.69	159.29	73.59
81.21	110.65	124.89	223.50	96.14
41.90	21.15	33.63	28.51	29.70
66.68	49.78	60.10	66.90	56.99
99.42	58.47	51.55	79.77	68.52
16.02	11.92	12.84	9.16	12.18
47.97	54.68	56.22	80.71	50.55
31.85	28.82	46.87	51.00	31.46
3.98	3.05	5.57	0.50	4.22
150.27	115.55	169.47	264.74	131.93
68.17	47.38	65.08	145.86	55.51
10.85	4.34	5.57	19.05	6.86
57.72	54.13	58.11	55.16	53.82
142.61	190.92	170.76	179.57	165.31
23.69	22.81	22.19	25.56	23.86
34.93	35.19	27.96	25.81	32.95
37.92	35.47	39.70	43.82	35.12
11.64	9.42	9.15	13.55	10.40
9.65	12.47	12.74	5.73	11.52
17.22	22.54	18.91	17.14	19.21
3.18	2.68	4.18	3.59	3.52
180.03	170.32	214.84	137.15	180.06
5.77	7.20	6.77	8.70	6.14
364.34	179.00	249.97	230.43	255.75
10.65	8.96	16.52	7.10	12.44
33.24	37.22	28.36	32.91	32.53
21.40	16.26	20.30	21.89	18.84
89.07	94.58	128.77	147.74	108.09

3.98	4.53	4.18	4.73	4.12
23.69	21.89	19.70	13.29	21.21
1.39	0.83	1.09	1.41	1.30
3.98	3.23	4.18	2.55	3.67
69.46	46.46	47.86	159.04	50.51
22.49	21.15	7.86	23.88	16.00
0.70	1.85	2.19	4.28	1.85
28.16	34.08	32.64	29.78	32.40
99.22	38.42	47.07	188.26	55.84
2.89	1.75	1.79	4.81	1.77
713.85	544.77	579.35	1003.21	652.24
153.36	96.52	94.34	187.07	113.39
1.39	1.66	1.99	1.32	1.70
9.85	8.31	11.34	11.73	9.11
42.59	16.07	12.04	68.95	21.78
56.63	55.51	62.79	77.20	56.07
71.06	89.13	74.83	81.09	79.97
12.64	17.18	19.80	16.57	16.26
143.80	102.89	211.26	12.03	151.36
70.86	64.01	67.97	67.62	67.12
26.07	23.00	21.89	14.13	25.19
3.58	5.73	4.18	7.37	4.92
11.44	10.90	11.44	8.83	10.78
5.27	3.79	3.98	3.00	4.08
50.06	56.07	57.82	40.91	53.77
11.44	12.84	18.21	17.34	13.40
24.18	34.54	25.18	16.52	27.73
7.46	13.12	3.18	0.16	7.01
20.30	17.18	18.81	16.47	19.66
1.19	1.11	1.39	1.61	1.24
48.17	41.93	40.00	54.16	42.72
40.21	36.02	40.20	75.60	35.89
17.81	18.57	15.52	16.89	17.11
0.10	0.74	0.20	1.31	0.35
2.09	6.00	1.89	1.15	3.16
426.14	948.78	716.57	246.09	728.40
12.54	9.24	8.86	7.78	8.86
22.39	30.76	30.25	27.64	27.10
73.44	60.78	56.72	49.08	64.97
2.19	3.97	1.49	0.65	3.30
362.45	354.96	390.48	269.00	365.74
176.35	121.83	136.53	147.74	141.19
75.93	62.62	49.26	67.00	66.71
25.68	26.97	14.93	18.73	24.69
26.17	30.39	22.29	25.87	27.19
2.09	4.99	3.98	3.68	3.90
242.83	438.64	250.47	231.15	285.70

84.99	89.59	104.59	84.26	91.45
26.57	26.32	25.67	30.70	26.15
77.13	87.93	47.17	43.45	69.76
9.85	10.71	9.25	8.07	10.49
5.17	5.17	4.58	4.99	5.94
8.96	10.53	8.76	5.90	9.40
31.45	29.10	23.48	14.23	29.85
14.83	15.70	17.31	15.94	16.29
5.37	4.34	5.47	3.93	4.78
9.95	10.62	10.25	15.44	10.29
9.45	9.05	7.96	8.18	9.52
6.87	6.56	6.07	5.13	7.34
6.47	8.22	8.16	9.09	7.61
9.45	7.76	9.15	9.12	8.39
51.65	42.77	44.48	41.67	47.95
61.60	55.23	57.02	55.22	59.85
73.25	116.93	112.05	106.42	102.96
13.14	7.11	10.05	29.70	9.12
261.14	213.18	232.26	336.00	223.77
0.20	1.20	0.50	1.63	0.79
53.74	82.39	70.15	12.25	53.53
96.43	70.01	76.82	67.76	82.50
27.47	20.60	18.81	26.92	24.04
371.01	372.23	333.16	440.75	352.44
1628.23	1217.37	1259.00	422.26	1344.25
15.52	17.83	17.02	13.19	16.76
40.11	56.99	55.73	27.62	53.55
0.60	0.65	1.29	0.99	0.82
47.47	38.61	44.98	54.83	43.94
12.14	15.33	13.04	8.90	13.60
7.86	6.84	6.17	5.15	6.86
4.98	2.96	3.78	7.47	3.84
7.36	10.90	9.06	10.65	9.32
7.26	9.05	7.07	4.54	7.87
26.17	24.85	35.62	9.22	29.11
34.63	29.83	29.75	40.40	31.32
3.88	6.10	4.78	3.05	5.36
5.08	3.79	5.57	5.36	4.62
15.13	18.66	16.72	14.00	17.42
13.73	16.81	11.64	12.70	14.52
5.97	6.47	5.77	17.36	5.53
164.80	127.37	123.09	134.76	136.20
44.29	28.73	34.33	9.00	37.19
31.75	23.09	23.09	12.77	29.17
48.17	50.06	49.85	46.73	49.46
18.41	21.52	19.50	19.67	19.75
38.02	43.78	69.66	55.95	45.44

200.63	184.36	212.55	161.17	196.61
36.52	35.75	32.94	37.65	35.80
30.85	25.49	27.37	25.54	27.40
78.92	71.58	70.75	78.74	71.07
1.39	0.65	0.40	3.89	0.77
37.62	28.17	34.73	34.20	34.57
1.09	1.48	1.89	0.40	1.37
25.68	26.97	23.19	60.22	22.56
30.95	38.70	24.18	30.28	33.15
25.18	17.00	20.90	16.79	21.42
3.38	6.37	3.48	3.50	4.32
55.13	70.47	59.11	40.05	60.89
14.13	16.26	13.83	13.90	14.97
192.07	232.30	210.26	210.19	213.21
22.29	21.89	20.50	27.74	20.65
8.06	6.28	6.77	7.93	7.87
46.87	39.90	43.68	39.50	43.10
35.23	31.87	37.02	38.15	33.38
12.94	12.93	7.16	8.69	11.60
69.36	79.16	64.28	63.70	76.53
49.76	53.66	51.55	42.73	50.55
95.04	87.93	84.78	81.54	94.69
12.54	14.22	11.84	13.35	12.59
75.73	47.11	38.71	23.78	53.52
16.62	20.51	16.82	14.76	18.38
16.82	16.72	21.59	26.11	18.36
29.46	24.48	31.25	18.15	30.80
63.89	60.87	56.72	69.10	62.61
8.16	7.02	6.87	3.75	7.44
4.48	6.47	5.08	8.89	5.36
12.44	11.45	13.14	9.61	12.10
2.89	2.12	1.19	1.92	2.09
19.61	15.52	18.91	27.85	17.23
1.39	3.88	1.09	0.81	1.94
39.01	81.56	49.36	52.59	55.11
12.14	19.86	15.82	13.38	15.55
33.24	29.19	31.45	63.02	30.63
24.48	21.34	31.35	38.86	24.66
11.54	10.44	10.25	13.22	10.33
20.00	17.73	17.31	16.04	18.81
8.16	8.77	8.76	9.40	8.32
2.39	1.29	2.19	2.76	2.07
10.65	11.27	11.05	11.18	11.24
2.89	4.34	3.48	7.18	4.38
152.36	138.64	123.49	99.46	149.30
40.70	37.96	48.16	52.18	40.45
41.00	38.89	47.47	41.55	40.77

68.37	76.11	76.92	124.06	71.67
30.75	25.86	25.57	31.09	25.63
25.58	27.43	29.65	35.18	26.60
34.33	40.55	34.03	41.24	35.28
14.83	14.87	17.02	18.70	15.62
18.91	19.12	16.62	18.62	17.51
17.91	19.86	19.70	22.53	19.14
13894.62	7804.59	8196.45	31786.93	10070.65
7681.86	5671.96	8087.49	16250.45	6732.92
988.52	769.96	530.89	2015.97	775.16
1.19	0.74	1.09	0.28	1.04
405.84	381.56	482.43	625.79	406.06
1279.81	595.11	1304.78	477.13	985.97
1593.79	2510.03	1664.80	3468.88	2086.50
17.91	52.09	12.04	20.74	23.38
1175.62	2414.70	1054.41	1469.35	1404.97
851.38	1410.88	607.81	1327.77	857.52
2.49	4.06	3.68	3.83	3.13
3.48	3.79	1.69	4.41	2.43
125.00	85.53	162.50	25.29	116.93
811.38	980.64	1399.61	1714.75	987.06
113131.43	127981.00	76322.78	224154.47	123048.28
6390.80	7320.87	3626.45	2878.99	5432.43
156.34	306.10	106.18	169.74	169.78
180.33	273.77	115.93	189.53	183.20
1.59	3.51	2.59	1.38	2.62
20.00	19.49	19.11	18.23	20.11
1.79	9.61	8.96	1.44	5.75
1211.64	958.66	933.50	1556.70	976.09
118.33	89.69	94.04	153.47	95.68
190.28	293.72	169.86	342.20	194.91
81.31	196.00	68.16	34.23	100.95
10803.87	5981.48	7690.44	2110.85	8217.24
3402.75	2132.53	2485.66	669.30	2696.74
8951.32	4702.78	11036.27	5424.16	9859.65
0.30	2.12	0.00	2.15	0.61
77.62	104.19	88.17	59.44	87.60
39.01	57.45	23.38	300.94	37.44
39.71	39.72	52.24	87.51	38.57
6576.01	3297.72	2870.97	14440.75	4164.15
4755.81	2723.94	3636.50	10553.26	3587.21
4488.70	3331.34	3332.59	12160.36	3704.14
56.63	24.01	34.33	32.56	37.14
179.13	135.41	150.56	193.77	144.91
51.25	46.74	77.12	107.89	49.55
9.75	9.33	11.44	13.97	9.94
9.16	12.84	9.45	10.86	9.91

16.02	12.65	15.32	16.20	14.50
4.98	4.71	7.46	4.96	5.83
14.33	11.36	15.23	14.00	13.20
8.06	8.22	6.07	9.42	7.32
6.97	4.71	8.56	9.83	7.02
20.70	16.63	20.40	19.86	19.83
16.62	13.30	13.43	15.25	14.50
12.34	11.45	10.95	11.72	11.46
3869.09	4371.46	3948.46	5759.74	3872.42
2.89	2.86	4.18	2.03	3.05
0.70	1.94	1.19	1.16	1.15
393.00	363.92	397.24	505.85	359.47
154.65	148.15	166.98	208.58	147.62
134.65	135.59	137.42	203.16	130.93
79.02	67.89	83.19	102.63	74.85
156.64	148.80	158.62	215.20	146.38
33.14	35.75	39.01	23.25	35.15
15.52	15.89	14.03	9.82	16.38
12.84	16.63	11.64	14.18	13.46
35.93	39.99	36.42	44.79	37.97
32.34	31.59	33.83	33.87	32.14
23.19	27.43	26.17	25.77	25.51
52.45	52.74	51.05	62.73	53.20
39.51	33.25	37.12	39.68	35.39
16.02	14.04	13.63	16.31	13.58
31.05	33.07	29.36	35.63	29.90
86.58	82.67	84.88	147.88	79.88
62.10	63.82	61.50	196.64	63.27
5.67	5.08	4.58	4.20	4.59
11.15	11.92	10.35	11.13	11.86
14.83	11.36	12.04	16.67	12.46
11.05	11.08	9.95	11.58	11.11
3.48	2.49	3.28	4.36	3.20
9.75	6.65	7.96	9.29	7.51
9.55	10.34	11.94	12.66	9.92
6.37	6.74	5.87	8.75	6.10
24.48	20.04	18.91	19.36	21.10
0.60	1.94	0.70	0.77	1.34
20.90	27.62	25.38	20.59	24.38
20.60	22.26	16.12	26.34	19.61
2.39	3.88	1.29	1.14	2.90
2.09	3.51	3.38	4.63	3.35
8.56	8.22	10.45	1.44	10.25
5.08	5.45	7.07	19.67	5.85
21.70	23.28	13.53	10.57	19.77
2.69	3.05	2.29	2.37	2.98
11.44	10.53	8.56	9.72	11.01

12.54	10.34	12.34	10.26	12.15
10.25	11.55	10.55	8.67	10.55
13.83	10.16	13.63	10.94	12.31
29.36	25.40	27.46	13.47	30.31
1.39	1.48	1.29	0.95	1.29
20.40	26.88	24.68	27.53	23.55
17.22	20.14	20.40	19.60	18.73
93.05	73.98	83.09	69.25	86.05
22.99	22.35	25.47	24.34	23.61
40.40	29.93	41.60	30.35	38.49
38.51	35.10	35.62	41.49	38.80
12.74	12.47	11.64	12.56	11.86
14.53	11.73	11.74	15.69	13.04
1.59	0.46	1.09	1.84	1.10
81.90	83.31	78.21	80.86	78.57
5.77	5.45	6.27	6.71	5.79
5.08	0.09	4.58	3.56	3.89
22.29	16.81	20.70	26.54	19.94
485.75	155.54	96.72	12.54	224.25
2.29	2.96	4.28	6.50	2.92
300.05	238.03	128.27	44.85	239.73
374.19	238.30	267.18	99.37	283.91
18.61	28.73	18.01	82.68	22.52
5.27	13.76	6.87	4.12	10.55
6.57	16.81	7.76	8.44	12.84
12.44	9.05	8.86	8.13	9.89
30.45	36.39	34.73	37.13	33.13
40.11	35.75	38.21	54.92	36.06
19.41	15.42	3.88	1.84	14.95
0.50	0.92	0.90	0.55	1.12
53.34	41.19	42.39	42.15	44.68
101.91	83.13	71.85	94.52	82.56
52.05	56.07	50.35	43.77	55.97
0.30	1.20	0.60	2.17	1.31
39.71	37.78	38.41	10.55	36.55
25.97	22.54	18.71	10.36	24.29
3.38	3.97	1.89	4.08	2.82
15.23	14.69	17.41	29.89	16.38
38.02	40.36	45.77	41.11	40.51
37.82	30.39	29.75	34.73	32.92
20.60	18.10	21.39	20.36	19.82
21.70	21.71	21.30	21.67	22.65
13.44	12.10	13.83	18.36	12.97
52.25	45.81	60.90	66.55	53.76
69.07	86.27	82.69	74.81	79.74
2.89	2.22	2.59	3.14	2.24
0.90	1.94	0.90	0.75	1.03

16.62	14.22	10.65	9.63	14.48
19.21	15.79	13.43	10.61	17.35
42.00	245.69	193.95	208.10	154.56
29.86	103.17	28.46	155.62	64.90
2.19	2.77	2.49	4.22	3.41
3.98	9.70	6.67	15.01	8.59
0.80	2.12	1.29	1.15	1.65
1.89	1.39	1.29	1.36	1.52
17.81	20.23	20.10	21.82	18.89
74.24	112.87	73.64	31.94	96.06
3.48	3.60	3.38	6.16	3.31
3.88	4.43	3.68	4.27	3.73
25.48	24.85	26.27	17.68	25.40
8.56	10.81	9.15	14.20	9.75
8.26	10.90	11.44	9.87	10.14
17.81	16.16	15.72	15.05	15.83
19.61	24.75	15.72	6.01	21.93
168.78	164.59	198.32	270.19	176.11
9.95	11.64	12.94	7.55	10.81
75.83	69.18	65.78	98.57	65.51
198.94	271.09	296.94	225.50	254.43
43.39	47.94	45.77	67.97	42.23
41.80	47.75	45.08	27.80	44.42
86.38	105.11	112.55	117.74	96.02
380.76	511.52	419.04	272.41	482.22
5.97	4.25	3.28	1.51	4.07
11.35	9.79	10.05	8.93	11.62
4.18	3.69	4.38	2.59	4.01
277.06	228.60	355.05	297.75	265.05
6.07	5.54	4.68	5.84	5.75
10.15	13.85	8.06	6.44	11.84
8.06	8.31	9.75	7.16	8.14
432.41	623.19	758.86	1412.29	529.63
207.80	151.39	316.14	589.98	187.46
88.27	79.43	78.51	64.43	82.96
2.59	3.05	1.59	2.04	2.34
3.18	1.66	2.99	10.23	2.84
70.56	43.60	64.88	43.38	59.47
13.73	14.41	18.01	19.08	14.60
28.56	24.38	24.48	22.49	24.82
22.39	36.21	44.48	29.94	32.24
7.56	11.45	9.55	2.20	10.14
10.35	15.42	7.56	11.20	10.67
2.49	14.22	4.78	1.42	6.48
110.76	92.46	96.82	124.32	101.24
12.94	18.01	14.93	19.12	14.63
17.91	19.86	16.52	11.75	18.47

51.45	62.99	62.09	44.26	57.20
20.40	17.27	15.13	21.69	17.93
38.51	36.58	47.27	61.34	38.39
3.28	2.49	3.38	1.98	2.51
2.49	1.20	1.39	1.74	1.81
138.53	185.28	205.29	278.02	171.45
26.17	17.73	12.84	0.36	25.23
16.12	7.20	12.24	13.83	11.80
22.99	28.73	23.58	27.90	25.71
18.91	19.03	19.30	24.92	19.30
26.57	23.83	25.08	28.39	24.14
19.31	17.92	18.81	14.98	18.46
1.00	1.39	1.79	5.70	1.39
223.02	225.56	214.15	175.52	217.83
40.31	43.78	39.31	53.91	40.00
20.40	21.98	11.54	1.30	24.25
1.00	4.25	2.59	1.30	2.24
5.17	1.75	0.40	0.00	2.53
74.44	88.21	58.01	2.23	78.46
20.50	14.41	11.64	2.19	20.45
1011.81	618.11	944.85	1063.24	785.33
67.37	51.63	47.67	97.13	55.62
30.65	27.16	25.47	23.85	27.83
1.29	4.43	1.89	0.28	2.06
47.07	53.94	46.77	33.57	50.52
7.36	6.74	7.76	5.66	7.27
1.69	1.57	0.80	1.00	1.65
64.49	61.61	58.81	48.46	62.42
6.77	8.68	7.96	6.15	9.01
10.75	14.41	13.63	11.52	13.64
45.68	39.81	40.10	41.35	42.83
40.70	42.77	43.78	51.20	41.91
43.99	46.55	46.07	50.80	44.89
24.38	32.05	30.15	19.83	30.93
43.69	43.60	42.39	48.38	43.66
541.88	464.60	731.30	418.64	548.31
3.38	6.74	3.28	11.51	4.24
23.39	26.14	26.67	41.35	23.75
8.46	8.87	10.65	8.97	9.01
7.07	6.84	4.58	6.32	6.58
73.64	77.86	58.61	87.09	66.20
15.43	26.14	20.50	16.11	20.35
21.50	22.26	17.51	19.50	21.88
92.35	57.82	65.08	96.41	73.48
2.09	2.12	1.89	3.59	2.00
6.47	3.42	2.59	0.81	3.50
55.13	44.70	47.76	9.41	54.83

35.93	20.23	27.17	26.04	27.68
4.48	5.91	6.27	5.71	5.55
18.51	18.38	19.11	21.73	19.24
49.96	51.91	53.04	49.09	52.49
68.17	65.95	64.48	67.50	66.29
81.70	71.49	83.79	42.92	79.70
21.20	22.81	29.36	21.69	25.70
85.59	74.82	75.33	77.97	75.60
59.61	53.39	52.74	50.09	53.68
23.79	23.83	45.97	27.88	31.64
82.50	66.87	72.34	42.87	80.08
188.89	165.70	151.75	88.53	170.87
65.28	76.48	78.61	71.42	82.81
33.44	28.45	31.84	37.32	30.85
1.59	1.20	1.39	0.98	1.27
584.67	511.24	261.91	339.45	524.00
232.58	120.35	234.94	380.62	172.76
16.52	14.78	15.82	5.72	16.96
102.40	80.63	82.00	83.20	85.93
135.54	118.50	124.29	115.61	125.01
33.64	47.11	39.31	64.15	38.31
442.56	479.93	510.69	517.04	444.66
13.24	6.37	5.08	6.50	8.60
20.80	20.41	18.71	19.70	20.13
116.14	148.15	135.63	134.81	132.75
4.18	2.77	0.80	2.37	2.50
15.62	14.59	13.93	9.05	15.46
6.87	5.63	9.55	12.88	6.78
50.46	45.81	50.95	33.78	47.66
48.37	45.91	55.33	48.86	48.89
67.37	32.33	45.58	51.08	49.67
362.05	319.31	376.35	234.98	345.21
83.00	80.36	49.06	14.55	75.83
157.64	142.52	174.14	146.18	152.70
145.80	102.62	108.57	96.02	118.32
17.71	30.30	13.43	12.13	20.19
290.10	249.66	286.79	125.81	293.00
69.07	80.08	87.57	3.73	96.49
6.27	5.91	7.46	10.18	6.58
17.22	20.69	22.39	4.33	19.84
56.83	52.46	56.02	43.14	54.71
54.93	35.28	33.83	94.48	43.67
156.64	145.84	158.52	139.64	154.87
4.78	12.56	17.91	46.42	12.95
27.27	41.47	34.03	40.36	34.75
2.89	2.59	2.79	2.42	2.76
9.35	10.71	10.85	7.88	9.97

0.60	1.02	0.90	0.98	0.75
52.74	53.66	48.56	42.29	57.43
17.81	14.32	15.82	17.55	15.56
60.31	56.53	55.92	53.04	59.79
27.17	26.23	29.36	21.85	27.10
56.83	66.41	61.10	63.66	60.76
133.16	115.18	118.32	77.94	124.65
59.71	74.35	73.34	65.56	67.98
32.64	35.19	31.54	34.38	34.57
202.32	210.41	247.68	276.61	207.37
43.19	54.40	58.61	48.20	52.21
21.00	19.86	23.68	18.48	21.69
14.23	18.93	12.54	7.63	16.73
152.66	142.43	215.34	165.15	166.02
0.90	1.57	3.08	1.61	1.73
46.67	23.83	45.48	45.40	39.44
32.94	34.54	33.44	21.15	32.30
2.19	3.60	1.49	2.18	2.36
9.26	8.04	8.06	7.77	9.21
15.03	15.79	15.42	16.99	15.07
13.44	12.84	13.04	13.41	13.39
167.19	115.09	71.55	5.46	139.09
8.46	11.08	4.98	2.56	8.56
3.98	6.00	3.88	0.62	4.13
18.11	19.30	10.45	0.21	15.28
6.77	9.05	4.88	1.34	10.13
5.47	4.34	3.88	0.03	5.25
5.67	7.20	7.46	0.13	7.71
427.04	543.94	668.81	1.05	594.17
10.95	7.11	14.83	0.32	10.81
1.99	2.12	3.38	0.03	2.92
1.49	1.94	2.19	0.03	2.13
10.55	14.69	4.28	6.69	8.48
16.32	20.60	16.22	15.65	18.65
3.98	3.42	2.99	5.58	3.80
17.02	16.44	15.72	14.54	16.34
0.90	0.83	0.40	1.47	0.66
31.05	28.36	30.15	30.51	28.70
53.84	45.91	46.37	48.50	47.55
21.00	16.90	19.70	19.21	19.70
13.24	12.19	10.95	4.06	12.31
5.77	4.34	5.87	4.65	5.35
70.26	69.18	69.76	65.90	98.04
38.02	37.22	47.17	71.85	39.16
2.89	2.22	2.49	1.99	2.43
22.69	15.42	18.41	26.45	19.62
30.15	24.75	18.31	25.45	27.77

4.88	5.26	8.36	16.27	7.37
219.74	190.18	178.12	193.34	205.91
4.08	5.17	2.99	4.43	4.23
1.89	2.31	1.19	2.13	1.73
12.64	18.29	7.56	3.12	14.58
0.50	5.63	1.00	2.50	2.32
107.88	67.43	89.26	53.94	86.98
18.11	19.40	22.79	21.90	19.75
151.27	150.74	133.94	103.49	150.02
40.11	23.92	23.38	3.86	31.86
29.56	30.30	32.24	29.47	31.86
52.65	62.81	51.05	39.01	56.37
6.77	12.19	7.16	1.41	7.83
36.72	53.11	30.75	14.78	37.78
52.65	50.80	53.93	41.36	52.41
9.26	9.33	8.96	7.17	11.08
4.48	14.50	6.27	8.83	8.87
6.57	5.91	5.47	5.39	6.79
0.60	0.65	0.80	1.42	0.70
4.08	3.42	2.69	4.58	3.37
19.21	19.40	23.68	18.18	19.52
2.29	4.71	3.08	0.00	3.31
22.59	54.40	49.85	23.42	43.14
121.71	87.47	106.08	89.86	102.74
57.82	98.55	50.85	41.58	73.62
1.79	3.69	4.58	0.72	3.46
580.00	643.88	716.97	506.55	645.48
8.06	12.93	5.27	5.94	9.31
30.55	37.22	27.56	19.02	34.50
15.52	13.02	14.63	14.40	14.36
32.24	33.90	23.88	25.58	32.01
17.12	22.63	53.14	218.83	31.14
16.82	17.55	18.11	14.99	17.95
14.73	12.01	12.34	11.75	12.42
129.57	166.63	162.00	166.20	159.06
0.20	0.74	0.60	2.98	0.38
49.56	69.18	49.06	69.72	56.34
17.42	17.92	13.14	8.41	18.15
0.90	1.48	0.50	1.01	0.88
22.59	34.54	39.51	51.15	29.72
3.38	9.51	4.68	6.58	5.62
16.42	8.04	10.05	39.23	10.52
99.12	82.30	88.37	103.77	88.12
161.02	86.64	104.39	98.59	118.32
2.59	4.25	2.59	1.22	3.27
17.12	35.84	21.00	18.06	23.57
13.04	25.03	18.21	14.36	19.50

245.31	194.98	214.15	319.41	209.51
18.91	19.58	14.93	19.62	17.21
6.87	5.91	7.36	7.71	6.68
2.59	3.23	1.59	3.45	2.71
40.11	29.74	28.56	31.91	34.45
82.80	74.54	91.65	64.93	78.35
9.16	10.44	9.25	12.28	9.04
2.19	2.22	3.58	1.07	3.01
27.67	29.37	26.07	20.64	27.82
29.56	44.24	51.45	51.76	41.57
98.72	69.00	70.06	54.39	80.25
11.64	9.51	7.46	13.64	9.24
2.99	1.75	1.69	3.03	2.11
72.25	57.64	60.70	84.24	63.97
34.93	35.01	27.56	47.61	32.39
4.28	7.39	6.07	6.02	6.14
61.60	59.58	62.79	68.56	61.71
16.12	29.37	25.77	15.09	22.90
7.36	8.41	7.66	6.31	7.50
31.95	38.98	28.96	19.89	36.40
22.39	25.49	22.39	26.97	22.75
43.09	43.50	41.89	23.81	43.36
96.14	94.12	85.38	81.15	92.27
14.23	12.19	13.63	8.43	13.23
17.22	15.24	14.93	21.35	15.89
8.66	9.70	9.15	5.60	9.21
14.93	14.13	18.21	9.76	15.73
88.37	98.37	97.72	86.46	94.92
30.75	29.93	30.25	27.28	30.75
34.63	30.02	28.16	33.83	31.76
87.18	77.49	82.20	72.74	83.34
3.68	1.94	3.18	2.83	3.15
19.01	20.32	17.61	18.38	19.41
42.99	35.56	42.39	33.89	39.80
0.60	11.64	2.29	5.06	4.42
190.48	159.15	207.78	224.58	188.28
33.24	22.35	20.00	24.84	22.88
5.37	13.85	9.25	18.65	11.70
2.39	4.99	5.37	5.18	4.36
8.16	9.79	7.46	10.10	9.10
39.61	30.76	38.11	30.36	35.61
6.77	9.14	7.86	7.75	8.09
955.08	1030.24	719.66	336.41	900.56
44.98	45.26	40.40	54.87	45.16
12.44	14.04	13.83	11.63	13.49
1.99	2.03	2.49	3.25	2.10
7.26	5.45	5.97	7.35	6.00

14.23	13.21	14.33	19.00	13.76
85.39	75.46	78.12	74.48	80.83
110.47	101.97	118.91	83.42	111.22
17.91	13.21	15.92	14.91	16.21
59.81	50.15	56.52	40.63	55.45
18.31	16.35	16.12	23.17	17.05
27.96	21.34	27.17	32.15	23.47
2.39	2.22	3.68	3.91	2.51
18.51	19.30	16.42	18.21	18.70
6.37	6.37	7.16	5.04	6.81
2.69	4.99	5.17	5.26	4.44
8.06	10.71	9.06	8.78	9.26
13.83	12.38	18.91	15.17	14.81
2.19	2.12	3.38	2.93	2.52
15.33	13.12	11.64	9.40	13.30
1.49	1.57	2.79	3.10	2.00
117.43	125.89	107.87	55.28	116.18
9.06	10.16	6.17	12.03	7.96
184.31	186.12	176.43	204.46	182.52
15.72	17.64	14.33	20.67	15.05
23.29	27.06	19.11	13.18	24.06
5.57	5.54	6.97	6.70	5.97
17.32	13.58	15.23	14.14	15.32
8.56	8.50	8.26	7.89	8.76
744.70	2651.81	754.59	316.64	1320.74
0.70	1.94	1.00	0.15	1.32
226.60	200.43	236.54	303.30	215.33
62.20	94.95	65.58	64.24	77.72
159.23	176.60	181.41	109.36	167.25
14.53	9.79	12.54	9.31	12.31
43.09	38.89	33.93	21.07	41.64
96.83	91.90	102.40	143.28	91.38
7.17	6.28	9.45	3.32	8.19
11.64	15.24	23.09	18.53	15.62
748.08	905.27	814.79	1015.98	787.53
29.06	20.23	23.68	21.48	24.18
10.95	10.62	10.15	9.19	10.87
26.97	22.17	22.89	28.49	23.28
47.27	49.60	55.23	31.50	52.92
52.45	49.51	50.65	43.07	50.46
51.15	43.60	56.62	48.66	52.68
1.29	1.57	2.19	1.18	1.45
17.42	23.83	23.88	15.55	21.59
7.07	4.99	4.28	4.20	5.54
166.69	148.25	151.06	210.24	147.69
25.68	17.00	15.72	29.04	19.96
140.82	161.73	154.14	158.12	153.41

372.20	324.66	301.02	215.21	334.89
58.02	93.38	131.05	56.26	83.97
95.54	114.81	109.06	131.81	106.94
92.75	93.75	99.01	101.49	91.71
12.94	13.58	17.71	12.45	14.78
9.95	10.16	10.05	9.22	9.94
285.42	253.73	265.99	338.42	273.70
52.65	40.46	47.47	36.40	44.39
9.75	8.87	10.35	14.32	9.52
16.42	20.32	15.23	16.62	17.03
33.94	32.05	43.88	24.44	39.24
11.25	11.18	10.05	11.12	11.18
10.85	9.33	9.15	10.01	10.14
4.38	7.57	5.37	6.08	6.26
14.93	11.08	12.84	13.43	12.77
342.94	624.39	555.27	635.25	492.87
5.17	4.53	6.47	4.31	4.80
8.16	10.44	9.15	14.08	8.61
10.45	10.07	9.35	10.07	10.09
29.16	32.51	25.18	21.65	30.83
6.57	7.02	3.78	4.44	6.33
2.39	2.49	4.18	2.81	3.34
17.22	16.53	15.23	17.14	16.38
1.09	1.29	0.00	0.03	1.17
86.08	54.50	63.49	65.79	65.73
229.49	171.61	199.62	251.84	194.44
19.61	18.01	18.41	25.56	19.06
15.33	20.60	22.29	27.27	19.45
17.12	27.71	19.21	22.31	23.84
1.00	4.25	1.79	2.91	2.77
12.14	18.10	4.38	6.23	12.44
12.14	6.93	10.15	4.38	9.61
46.28	47.48	40.20	25.65	46.84
31.05	46.18	49.76	33.66	40.11
61.01	78.23	73.24	59.76	80.05
163.41	145.29	127.47	148.38	147.81
1.00	1.20	0.30	1.39	0.78
18.11	20.32	19.60	24.82	20.35
9.16	12.84	15.03	10.63	11.97
3.48	2.96	3.78	4.10	3.22
0.80	1.85	1.19	1.67	1.37
2.89	1.29	1.29	5.15	1.49
12.14	15.33	13.33	15.98	14.53
1.79	0.74	1.59	3.63	1.25
21.10	19.40	25.08	14.09	21.38
88.47	77.49	84.29	100.01	85.89
38.22	42.30	37.71	36.81	41.59

1.39	1.29	0.90	2.46	1.12
32.94	26.23	25.67	27.74	29.23
10.85	8.77	8.76	8.52	9.30
5.67	5.36	5.67	4.75	5.85
32.64	22.35	21.20	21.82	26.40
11.74	12.28	10.95	8.99	11.77
5.57	7.57	7.86	4.62	6.48
0.90	2.68	0.80	2.08	1.91
2.49	1.11	1.29	1.21	2.17
1.00	1.39	1.19	2.32	1.27
23.69	32.70	39.41	37.69	30.96
2.39	1.48	3.88	3.72	2.25
3.18	1.94	2.19	1.88	2.33
53.64	58.37	59.11	77.20	56.54
17.71	16.90	16.42	20.67	16.89
68.07	61.98	68.16	84.04	65.05
14.53	15.52	13.93	10.12	13.99
32.44	36.11	29.06	17.34	31.92
5.17	6.28	7.76	7.59	5.85
15.13	14.04	15.92	11.16	16.67
11.25	10.16	9.45	6.85	10.97
27.87	24.48	23.78	29.11	24.93
25.18	25.86	24.68	27.24	24.99
74.94	54.68	58.71	61.92	61.07
74.84	51.26	65.88	83.95	62.80
7.66	9.42	9.25	11.54	8.57
3.68	4.34	3.08	2.32	4.13
30.75	26.32	27.76	50.03	28.22
2.19	2.40	1.49	2.04	2.18
17.81	16.90	20.40	17.99	18.70
31.75	34.91	37.42	45.75	31.45
18.91	16.35	20.40	19.66	18.33
4.68	5.36	5.57	1.89	5.16
9.06	8.59	7.26	3.02	8.00
22.59	30.48	26.37	52.06	26.17
54.83	62.62	59.61	107.50	58.19
54.74	63.27	58.61	104.62	58.33
11.54	7.39	7.26	5.48	10.08
3.18	7.85	4.58	2.35	4.72
7.76	6.74	6.57	7.31	6.66
3.38	2.49	3.78	1.84	3.14
63.09	57.54	78.81	51.97	62.27
87.97	93.38	104.49	108.93	92.58
20.60	30.76	27.96	23.56	25.64
38.91	36.11	42.39	50.26	38.35
40.80	43.87	44.98	55.10	44.47
75.63	69.55	61.80	70.95	73.94

10.65	10.62	14.13	14.49	11.44
14.23	13.02	17.31	8.67	15.12
9.75	7.85	7.66	6.92	8.87
36.52	36.95	39.31	35.14	37.98
16.62	19.86	21.59	12.37	20.14
25.28	24.94	26.27	23.78	25.88
58.82	55.23	52.34	44.25	53.66
82.40	107.97	108.37	127.74	99.69
3.28	6.28	6.77	2.61	6.07
56.43	52.65	50.55	45.54	52.06
120.02	115.83	109.16	142.24	113.05
37.32	26.05	33.24	30.80	32.11
26.07	23.65	24.78	16.48	28.54
3.28	2.12	2.29	1.65	2.75
26.87	11.82	12.54	53.42	16.06
64.19	72.97	78.02	82.40	70.59
54.14	56.99	51.25	63.82	53.82
33.14	25.59	27.27	29.52	29.01
11.05	10.99	13.23	14.14	12.10
20.10	21.43	27.86	36.21	23.00
41.40	47.66	42.79	58.85	44.52
117.43	142.06	187.38	125.61	143.92
5.27	5.36	6.07	4.02	5.50
26.67	25.22	30.75	21.87	27.00
91.46	71.68	82.79	79.62	78.28
7.76	8.96	10.35	7.46	9.17
2.99	2.68	3.08	4.46	3.13
17.12	16.16	22.59	26.74	16.87
106.88	76.85	82.29	164.89	79.95
42.89	39.90	47.76	47.51	42.90
1.29	3.69	0.80	1.23	2.39
47.87	40.36	20.50	6.93	34.98
13.24	9.05	8.36	18.81	9.71
19.70	26.23	32.14	35.18	24.48
36.52	43.97	34.13	75.34	35.63
48.96	50.62	49.66	44.50	49.21
1.89	2.86	3.58	3.04	2.75
90.36	83.78	87.97	69.05	87.43
0.70	2.22	0.90	2.51	1.46
49.16	33.62	35.33	35.55	38.59
22.19	22.63	27.66	24.27	25.63
111.16	105.94	98.32	90.42	109.41
1.00	2.40	3.28	4.01	2.46
3.58	4.62	3.28	5.07	3.57
14.73	16.26	14.93	14.63	15.80
21.99	6.28	10.85	32.48	12.31
815.16	167.55	316.34	402.18	374.42

7.56	8.50	9.55	8.29	8.71
9.26	8.87	3.08	1.66	8.55
38.02	37.50	54.43	41.09	41.29
9.35	8.04	4.68	10.75	7.51
5.37	4.80	2.59	5.62	4.30
13.73	9.61	11.34	12.73	11.83
1.19	1.02	1.09	2.59	1.05
33.24	29.46	50.65	29.16	36.33
0.70	0.18	0.40	1.39	0.38
5.67	6.47	7.56	10.52	6.60
2.99	0.74	0.60	3.07	1.21
26.77	44.80	31.15	35.18	33.82
23.98	27.25	30.05	31.14	26.57
54.44	63.82	52.04	61.61	59.12
9.35	2.96	1.89	1.54	5.54
8.26	5.36	6.17	14.17	5.89
13.93	11.27	12.24	16.20	13.24
16.92	18.38	16.52	16.40	17.25
0.90	1.57	1.49	5.82	1.34
12.24	16.90	17.61	15.38	16.90
6.27	4.80	6.47	2.59	6.15
1.69	0.28	0.60	2.32	0.67
3.78	2.96	2.59	2.81	2.90
14.53	12.65	12.84	12.35	13.00
18.61	15.33	17.22	14.87	17.37
4.38	5.73	10.15	8.68	7.18
72.45	51.26	84.78	101.37	68.10
51.45	34.27	38.71	40.63	43.73
8.06	6.93	6.97	7.09	7.26
15.13	17.27	14.63	17.00	16.18
24.08	24.66	21.30	21.20	22.21
8.96	11.55	8.46	13.99	9.13
1.29	1.66	1.49	2.14	1.30
40.31	29.83	27.76	32.19	33.82
41.70	34.64	30.65	19.25	39.59
33.34	25.12	27.46	28.02	28.77
19.01	16.16	19.90	21.46	18.57
21.10	25.49	22.49	24.84	21.88
0.60	1.57	1.19	0.99	1.06
89.17	99.85	87.37	75.32	91.95
67.27	59.67	58.41	67.38	60.32
8.36	7.48	9.25	8.27	7.73
24.28	20.32	19.80	22.41	22.35
7.36	6.10	7.76	6.09	7.42
52.45	51.17	42.79	48.15	47.56
3.58	4.62	4.48	5.68	4.56
26.67	31.22	33.73	38.84	31.30

36.03	29.00	25.28	14.39	31.95
1.09	1.11	1.89	0.89	2.25
13.34	16.07	15.32	18.89	15.13
12.24	11.55	12.74	12.91	12.04
21.99	12.75	10.75	22.92	19.86
6.07	4.71	7.76	7.22	6.31
84.29	77.03	66.97	69.92	77.25
7.36	4.43	4.98	6.70	5.30
1.59	1.20	1.19	2.26	1.34
25.87	23.92	20.20	22.86	23.12
6.67	7.67	4.18	11.83	5.73
25.87	29.19	25.18	30.93	27.32
32.54	27.99	30.65	36.81	31.48
7.36	4.80	5.67	13.83	5.50
7.07	8.41	7.46	5.79	7.85
1.49	1.94	0.80	1.77	1.59
1.29	0.28	0.60	1.36	0.76
7.46	7.57	5.77	10.59	7.06
19.21	11.92	16.22	20.31	16.63
25.48	29.10	23.88	12.66	26.40
1.29	15.89	13.83	6.47	7.97
1.39	2.40	2.09	8.90	2.17
4.48	5.63	4.88	3.51	5.42
49.76	63.36	71.75	51.44	58.47
12.54	13.39	14.93	18.05	13.78
59.61	52.37	51.45	57.29	53.86
2.99	2.40	2.19	1.70	2.59
130.97	94.67	109.46	69.90	105.05
78.92	67.98	67.77	104.37	66.55
57.62	98.18	94.14	90.00	79.34
1.49	2.31	0.70	3.32	1.31
16.72	18.47	18.21	15.68	20.14
7.66	7.76	8.56	11.47	8.02
15.82	13.02	14.53	18.56	14.60
40.01	46.46	40.90	47.92	41.28
71.55	72.23	72.64	87.67	70.81
11.35	40.09	24.18	18.94	27.52
26.87	24.85	28.76	17.79	27.25
2.89	4.90	2.39	3.86	4.31
4.18	6.00	4.98	2.09	4.67
1.69	5.17	2.19	1.55	2.48
14.93	23.65	18.91	10.27	18.44
48.47	52.37	49.66	77.11	49.18
7.17	11.45	3.88	6.46	7.23
26.47	36.02	30.05	15.01	36.14
9.16	24.38	15.82	19.54	16.70
62.00	54.59	94.34	64.90	72.24

0.30	0.83	0.60	1.41	0.53
3.18	4.53	2.69	2.07	3.14
0.70	0.83	1.59	3.51	1.06
1.09	5.26	1.39	1.99	2.06
9.85	9.98	10.05	9.34	11.51
16.12	15.24	11.05	21.94	13.66
16.02	19.67	13.43	23.45	16.42
23.98	24.01	19.70	36.81	23.33
1.19	3.14	0.70	1.51	1.51
39.31	45.91	48.86	52.50	45.29
21.20	21.15	20.60	13.58	20.63
4.28	4.25	3.98	4.44	4.17
1.79	1.85	3.18	6.90	2.15
54.74	46.55	49.36	42.98	52.34
9.26	7.94	8.46	6.48	8.18
7.86	8.22	9.55	7.75	8.02
29.86	23.37	29.55	26.12	27.04
15.92	17.00	18.71	14.12	17.26
3.28	3.05	4.28	4.80	3.32
13.63	16.44	18.51	27.36	14.80
39.41	37.59	40.40	45.63	37.43
19.61	13.49	18.91	25.95	16.69
5.97	5.26	5.77	4.54	5.74
21.60	22.54	21.39	19.35	22.76
18.01	29.28	20.20	21.91	22.08
38.81	44.43	42.49	44.21	41.91
18.11	13.67	19.01	19.03	17.18
2.29	3.33	2.59	9.28	2.08
79.22	70.47	72.14	78.00	77.24
23.79	21.89	21.59	20.53	21.43
50.66	46.83	52.84	47.23	52.67
26.37	17.55	19.60	24.65	20.93
22.79	23.09	24.58	11.12	22.48
250.89	257.24	326.29	428.66	265.68
3.38	2.68	1.79	2.88	2.47
0.40	0.55	0.60	1.40	0.42
61.70	61.05	54.43	72.80	58.57
6.97	8.22	6.17	1.35	7.49
14.23	13.95	11.44	10.29	14.10
34.83	31.40	33.04	42.20	34.41
9.35	6.84	7.46	9.39	7.78
14.43	14.96	12.94	14.54	14.53
15.43	19.95	20.80	18.77	19.38
1.89	4.71	3.18	3.06	2.83
1.00	0.74	3.58	0.16	1.71
5.37	6.28	6.67	17.28	5.56
15.62	17.92	14.83	14.87	16.26

68.47	44.34	71.05	87.50	55.34
5.67	6.47	6.47	5.60	5.88
13.63	13.21	10.65	25.74	11.68
5.47	2.03	3.08	7.71	3.22
15.72	6.65	4.78	9.10	8.56
105.39	71.03	89.86	101.84	92.39
42.79	41.47	40.10	44.31	40.69
12.84	9.05	7.46	9.55	10.53
2.29	1.20	3.28	2.43	2.17
20.30	10.90	14.73	46.24	13.63
0.60	1.57	0.20	2.84	0.65
20.40	21.52	14.73	9.68	19.59
7.76	6.65	7.86	6.96	8.44
10.85	16.35	13.23	8.00	14.40
5.27	4.53	6.57	5.99	5.39
14.53	20.32	13.53	6.53	17.49
29.36	43.69	40.70	35.22	38.25
8.76	10.44	6.57	4.51	8.59
15.33	11.55	8.16	11.53	12.01
8.56	5.73	7.76	16.57	6.93
15.23	19.86	24.68	22.46	18.73
6.07	5.36	5.37	6.03	5.40
10.25	10.53	10.35	4.67	10.43
6.07	6.84	7.46	8.25	6.58
28.86	23.65	22.99	11.13	25.53
16.12	18.20	16.12	13.88	17.12
17.32	12.10	17.41	16.89	16.47
3.09	3.51	2.59	5.83	3.15
5.97	5.36	5.97	7.28	5.75
7.07	6.56	8.26	4.37	7.49
7.56	6.19	9.65	7.20	8.25
18.41	17.83	16.62	15.27	16.56
4.58	5.63	9.75	5.74	6.85
2.09	0.92	1.99	1.18	1.63
6.07	8.04	14.23	13.64	8.76
3.78	2.22	1.59	2.27	3.10
2.39	1.66	1.99	0.30	1.79
3.18	2.86	1.39	0.39	2.59
21.20	9.79	13.63	1.25	16.93
44.09	38.79	43.59	32.01	39.76
0.00	0.74	0.30	1.80	0.35
44.29	17.73	27.66	60.37	29.21
18.21	28.54	23.29	12.14	24.39
28.76	26.88	24.58	31.71	26.75
120.32	239.78	210.96	221.39	190.43
8.36	7.48	7.26	5.17	7.35
2.09	1.39	2.39	13.76	2.16

0.40	0.55	0.50	6.41	0.43
33.44	39.53	30.45	35.83	35.67
327.12	353.48	338.23	409.41	330.34
1.59	3.88	3.18	9.26	2.92
71.85	69.55	65.58	74.96	69.99
29.06	23.09	20.70	24.43	25.47
26.77	27.43	27.66	26.15	27.35
34.13	42.30	34.33	32.21	37.86
12.44	11.08	15.72	12.27	13.00
95.14	113.33	104.19	151.48	101.75
25.28	28.82	28.06	36.24	28.68
1.79	1.48	1.49	1.09	1.54
18.41	13.67	10.05	10.99	15.20
18.21	20.60	17.51	18.92	18.53
102.21	102.99	99.21	92.02	101.39
10.45	13.30	10.25	9.55	10.52
49.06	45.07	39.31	51.81	47.31
8.36	7.94	6.77	4.16	7.66
0.70	0.18	0.20	1.24	0.33
1.59	4.16	3.88	3.64	3.17
1.79	2.96	2.19	1.50	2.27
3.18	3.33	3.38	4.98	3.01
153.66	177.25	209.67	208.85	172.83
17.42	30.67	27.96	41.62	22.96
16.22	9.14	14.43	44.02	11.81
7.46	3.23	4.78	11.19	4.82
4.58	3.51	2.19	3.35	3.48
32.05	24.38	24.88	31.09	27.93
5.37	8.04	6.07	3.99	7.24
13.93	13.21	13.63	17.67	13.54
6.57	3.69	5.08	20.02	4.53
5.87	2.59	2.69	7.60	3.20
10.75	10.81	11.54	11.33	10.20
26.17	26.88	23.78	23.98	25.02
0.70	2.12	1.00	1.86	1.27
29.06	26.42	25.47	16.75	27.72
12.34	13.58	17.31	21.04	15.51
37.92	52.09	44.58	57.11	43.50
43.39	47.94	42.49	45.73	43.52
22.19	17.64	14.03	29.80	18.04
20.10	14.41	21.30	12.55	19.73
11.74	8.87	9.15	12.20	9.68
14.03	13.02	14.73	20.80	13.03
18.01	18.93	20.70	19.55	17.60
9.26	10.16	9.25	4.01	9.82
13.14	13.39	12.14	11.06	13.55
19.01	18.75	24.28	19.50	21.32

55.93	92.09	80.40	86.23	78.26
20.20	23.37	19.70	14.68	21.82
20.40	25.49	30.85	34.88	23.73
11.35	7.11	9.55	11.28	9.62
32.44	28.36	29.85	32.15	28.12
11.94	14.96	9.45	13.65	12.21
1178.90	700.50	783.64	7.38	819.74
2.79	2.68	1.49	4.84	2.37
6.07	7.94	7.96	6.42	7.58
49.56	21.89	21.00	73.84	29.87
9.16	10.34	10.95	11.15	9.57
44.88	44.80	46.27	47.87	44.25
55.83	51.72	57.82	48.40	56.65
25.08	13.49	19.90	11.33	19.10
107.98	129.50	145.78	168.31	124.67
66.88	55.05	44.58	43.47	61.48
1053.71	528.24	988.63	1899.06	775.86
0.20	0.46	0.80	2.41	0.43
52.84	49.32	44.98	9.32	46.00
25.38	30.67	28.96	26.01	27.47
73.64	80.45	81.60	82.85	79.47
19.41	21.98	20.60	21.66	20.14
1296.23	1167.03	1262.58	902.69	1262.03
15.72	16.16	22.39	14.77	17.80
261.24	224.08	272.86	182.88	260.76
135.35	133.47	159.32	105.68	148.67
15.43	14.69	13.83	9.14	15.53
617.32	589.75	621.44	505.23	637.69
2136.67	5400.97	3621.17	2469.67	3630.14
33.94	43.97	34.83	37.16	39.29
1.39	2.49	1.39	1.95	1.70
11.25	10.62	9.65	11.65	11.04
1.09	0.74	1.59	1.20	1.49
0.40	0.65	0.50	2.42	0.42
6.07	4.16	6.77	4.80	5.64
126.59	105.39	114.24	110.99	115.03
3.88	2.68	2.29	1.67	3.16
0.10	0.37	0.10	1.16	0.24
12.14	13.85	13.93	14.46	12.73
24.88	10.90	11.44	39.65	14.20
262.43	291.41	214.25	549.58	300.27
3.09	4.34	5.37	4.21	4.59
3.18	2.86	2.99	3.64	3.49
134.75	113.24	75.03	10.86	115.19
69.56	44.34	44.98	34.25	60.93
11.94	15.42	12.74	12.42	14.35
99.82	95.60	104.49	32.02	98.18

2.09	3.05	2.69	2.23	2.68
1.99	6.65	5.97	4.46	4.35
53.54	35.93	28.66	23.43	41.46
76.43	85.53	36.72	14.68	71.01
0.70	3.42	0.90	2.34	1.38
110.37	252.25	154.74	231.52	204.25
2.59	2.31	2.39	13.50	1.88
39.71	43.60	45.18	75.79	40.93
72.05	108.90	80.11	93.21	85.75
0.90	2.68	1.89	2.43	1.49
39.01	41.47	19.40	7.42	34.38
105.69	124.97	117.02	21.17	119.56
22.29	18.10	18.61	11.98	19.14
34.43	42.67	37.32	39.12	37.10
33.24	16.53	27.86	6.51	24.71
11.44	21.52	37.71	13.51	25.94
0.80	1.48	0.90	0.27	1.36
21.89	27.71	33.04	28.46	27.57
77.82	88.12	77.62	41.39	81.00
1.59	1.48	1.39	1.24	1.49
130.77	105.11	97.32	121.19	111.81
33.94	36.39	35.13	26.34	38.26
23.59	51.17	28.06	37.97	36.94
26.87	36.67	18.71	0.19	34.61
6.17	6.19	7.26	12.31	6.36
68.77	70.47	72.94	77.59	69.11
45.78	47.11	52.14	50.06	46.71
27.07	22.44	22.59	16.51	23.87
6.37	4.43	6.47	5.95	5.33
69.56	74.17	72.44	79.93	76.80
3.98	5.63	6.77	4.66	5.42
71.16	46.37	55.53	93.17	56.49
21.70	18.84	19.50	21.19	20.94
69.86	70.11	78.02	67.48	70.91
47.87	41.29	37.22	45.36	42.26
9.16	12.56	10.15	15.38	9.67
92.05	80.63	88.37	134.85	86.22
112.95	117.21	88.66	66.78	100.73
11.44	9.42	9.75	13.84	10.91
12.84	11.55	17.71	15.12	13.84
6.07	8.59	9.55	9.42	7.66
16.72	19.03	21.39	12.20	19.21
24.78	27.06	29.26	22.75	26.18
16.02	16.44	21.99	16.82	18.22
5.67	6.28	6.77	6.96	5.88
43.79	52.65	52.14	39.02	52.52
47.07	27.62	34.23	22.24	35.19

168.19	166.35	160.41	147.93	166.60
105.99	170.04	185.19	152.94	142.74
107.88	88.39	90.65	68.79	96.10
98.52	112.32	120.61	63.46	110.48
305.03	262.59	326.19	181.88	292.81
108.18	90.06	92.84	66.48	103.04
71.16	64.47	71.95	52.93	71.21
136.14	103.36	126.97	77.03	124.13
49.86	52.46	54.13	38.99	54.49
45.88	41.75	44.98	44.94	46.76
67.27	48.49	58.71	49.94	62.88
126.09	103.82	127.97	88.03	119.33
8.16	8.13	10.95	5.03	9.27
234.86	275.80	296.74	262.00	274.11
152.36	155.27	162.20	118.67	146.85
59.01	50.06	56.02	71.85	54.38
977.18	1475.63	1308.26	913.44	1326.33
49.86	46.09	45.08	55.63	47.03
43.09	35.10	42.49	43.23	41.31
28.46	50.25	46.87	83.56	42.73
21.99	18.84	19.80	13.20	20.75
45.78	41.01	41.60	37.58	42.23
5.08	8.04	7.07	7.91	6.65
51.95	58.65	63.39	70.27	57.67
296.96	321.06	331.27	341.34	316.02
372.30	324.39	321.32	293.26	339.80
78.82	76.20	91.65	87.39	81.37
94.34	70.94	77.82	93.12	79.21
223.52	231.28	239.82	175.12	224.29
137.24	106.22	123.99	140.00	125.29
2.09	3.79	3.38	3.86	3.04
31.95	29.10	23.98	25.90	31.36
33.64	36.11	35.03	21.81	38.22
17.71	20.32	19.70	20.56	19.01
13.44	14.32	14.33	9.87	13.77
55.33	41.47	47.57	67.42	46.45
69.27	151.48	125.88	86.71	112.32
158.14	129.68	134.84	88.95	141.46
5.27	5.54	2.09	0.44	4.99
41.00	44.43	46.27	31.74	44.73
0.80	5.91	3.88	20.00	3.85
22.09	27.43	24.68	22.19	23.73
150.77	172.82	180.61	158.01	163.08
11.15	11.27	11.84	7.44	12.29
29.66	24.29	18.81	10.74	25.07
26.07	61.61	38.61	46.94	50.77
5.17	7.57	3.48	1.09	5.64

32.14	24.94	26.77	13.58	30.43
35.23	36.67	34.43	44.49	32.80
11.15	6.74	15.72	2.20	11.46
28.76	37.41	37.42	31.80	33.47
30.35	26.05	28.66	27.29	28.27
105.29	104.56	102.40	90.10	99.31
455.00	458.41	505.21	608.78	435.12
14.43	13.30	17.51	17.81	15.07
59.01	30.85	47.07	30.25	45.63
98.42	100.77	102.10	76.13	100.61
25.38	30.11	23.68	39.62	25.92
0.80	0.46	0.60	3.23	0.56
17.91	18.47	19.30	19.71	18.53
13.73	12.01	10.15	14.56	12.86
3.48	3.05	2.89	3.34	2.89
41.30	37.78	38.21	42.43	39.96
12.04	17.00	14.63	14.98	15.27
278.85	219.92	288.68	444.77	251.16
197.54	116.10	145.88	217.81	153.36
45.58	38.61	47.67	41.06	42.75
48.96	42.40	43.09	25.71	47.69
32.74	27.52	27.27	26.67	28.95
8.06	7.20	8.16	7.66	8.44
48.37	36.85	33.53	37.61	39.95
6.57	5.82	7.16	8.41	6.50
5.67	6.00	3.78	6.03	4.94
0.50	1.85	0.90	0.78	0.97
42.10	85.90	86.08	83.58	68.32
13.14	17.27	21.79	36.26	16.74
6.87	7.30	9.45	7.39	7.67
7.66	7.30	7.36	5.31	7.82
1.19	2.12	1.49	3.92	1.46
376.18	391.26	422.82	429.40	380.43
1.49	2.59	2.29	0.62	2.03
14.83	14.96	21.89	41.43	16.39
12.94	11.64	15.03	15.66	12.17
0.80	2.03	3.08	1.66	2.33
56.33	53.11	65.48	53.18	55.72
13.14	16.90	14.33	20.22	16.84
2.99	4.43	4.28	3.24	4.12
2.69	3.60	2.59	3.03	2.50
510.03	425.99	653.09	240.82	556.41
15.72	8.68	9.45	7.54	12.98
84.79	71.12	72.14	64.84	80.18
38.91	32.79	31.35	39.44	34.22
154.25	136.61	154.84	241.90	136.46
47.07	33.90	55.23	79.90	38.66

37.42	33.99	31.05	24.52	34.26
12.74	12.47	12.54	3.08	13.13
6.77	7.39	8.56	7.11	7.64
64.99	56.80	68.26	27.18	60.27
5.37	4.80	6.07	4.67	5.67
11.54	11.36	11.84	43.37	11.12
3.58	4.62	2.79	4.23	3.57
2.59	3.51	4.28	1.70	3.16
1354.45	922.82	1181.58	1167.24	1080.25
6.07	8.04	5.57	10.00	5.77
0.70	3.05	2.79	3.99	2.11
36.52	38.15	38.11	29.01	37.07
5.87	6.47	9.65	6.19	7.30
8.36	7.39	11.24	9.68	8.58
364.04	395.42	405.80	264.40	409.60
147.89	78.14	122.80	231.36	102.33
17.91	13.76	14.33	15.06	16.17
77.13	74.08	66.37	68.57	71.19
7.86	6.65	9.65	9.64	9.13
38.12	58.74	22.29	0.09	56.05
12.24	14.04	12.14	14.98	14.31
10.65	9.88	10.65	22.80	10.73
2.29	2.77	2.69	5.90	2.88
72.15	88.67	49.85	16.97	94.84
32.74	24.48	33.73	31.01	30.76
17.71	15.89	16.02	13.46	18.40
89.87	109.91	108.76	79.75	108.17
140.22	86.18	115.43	43.29	108.15
21.60	22.17	15.72	18.48	20.77
217.75	217.89	214.64	124.69	222.89
120.02	98.92	96.03	92.20	106.14
1.79	4.25	2.79	6.71	2.49
28.66	16.63	19.70	14.43	23.29
31.55	38.98	44.68	44.05	36.54
24.58	46.46	37.81	36.61	35.99
4.28	3.33	2.29	1.30	2.82
36.32	39.62	34.73	29.27	36.51
1.79	1.66	1.99	2.70	1.77
15.92	14.78	6.57	4.83	13.26
1.00	1.48	0.90	2.24	1.82
2.49	4.53	1.79	0.09	3.02
22.99	10.62	23.38	11.16	17.25
22.19	29.37	22.19	11.82	25.07
16.42	16.53	12.64	48.62	14.37
72.05	64.56	65.78	73.01	71.21
12.34	13.21	11.94	13.76	12.37
12.14	4.06	15.92	20.23	11.88

4.48	3.79	4.18	3.44	4.37
3.28	3.05	2.49	3.67	2.74
262.03	279.50	308.28	314.68	269.24
93.95	98.37	127.77	95.42	104.39
19.70	14.87	15.52	20.07	15.97
3.48	9.88	4.18	12.63	5.68
124.20	108.34	113.34	134.56	111.06
54.83	50.71	44.58	30.59	53.38
25.38	20.97	23.29	32.06	22.84
239.34	161.55	225.59	131.16	205.36
1.09	1.48	2.29	1.80	1.56
6.67	5.54	10.05	4.42	7.36
1.59	2.03	1.19	0.98	1.43
4.88	5.82	3.98	5.86	4.93
207.50	54.03	110.85	270.43	105.66
16.42	16.81	17.41	17.23	17.43
24.28	17.55	30.75	5.86	21.59
7.76	31.03	12.04	12.03	19.62
1.69	2.03	1.69	1.73	1.86
178.24	320.14	249.67	209.85	295.44
126.19	153.60	163.89	118.10	147.63
94.84	73.89	53.83	31.16	81.18
18.31	14.50	18.61	16.19	18.06
18.01	14.22	19.90	15.41	17.08
23.19	20.51	21.00	23.22	21.48
9.85	12.38	6.47	9.90	9.42
34.04	34.27	30.35	23.79	31.26
21.50	23.65	20.70	21.35	22.99
10.05	4.16	5.57	13.04	5.83
35.03	30.11	33.44	33.12	33.89
6.17	5.91	7.26	7.25	6.35
9.85	8.22	4.98	0.07	9.42
68.07	70.11	87.87	82.74	68.79
36.52	22.44	40.20	75.45	29.18
149.18	132.08	138.12	91.10	141.81
48.76	40.64	46.47	39.07	46.60
105.79	89.32	96.62	67.78	98.98
34.93	25.77	32.94	39.13	30.80
5.37	3.42	3.48	6.94	4.21
10.75	6.28	8.06	19.85	7.91
18.71	16.72	19.40	22.24	17.97
4.28	2.22	4.38	2.79	3.89
92.15	62.81	76.42	96.05	77.17
68.07	63.18	67.27	68.59	64.24
276.96	255.21	257.73	194.76	265.22
2.89	1.85	2.59	2.77	2.40
17.42	27.34	30.25	21.51	24.40

7.66	14.22	14.13	9.03	11.50
0.60	2.59	1.09	0.06	3.37
31.35	27.06	30.05	26.55	27.83
10.15	9.70	10.05	6.51	10.22
108.28	109.91	128.87	97.92	120.35
93.35	102.43	106.97	102.06	99.33
126.49	84.14	45.77	15.79	101.07
1.39	2.31	0.40	0.91	1.15
24.58	25.86	19.50	25.82	23.93
11.94	5.91	7.86	21.23	7.75
21.89	27.34	25.08	31.68	23.00
18.51	14.32	19.01	15.63	17.95
22.29	36.02	17.12	0.46	37.99
42.00	19.30	20.60	69.32	24.96
2.09	1.02	4.18	2.83	2.26
2.69	3.51	3.18	2.18	3.36
0.80	1.94	0.80	2.75	1.10
18.01	27.25	20.90	9.38	23.23
64.59	63.36	40.20	23.25	64.96
226.21	211.05	252.66	270.13	218.72
58.42	56.99	58.21	63.44	59.06
52.05	54.96	47.27	48.97	51.29
31.35	27.89	29.36	22.21	29.00
46.77	43.23	44.78	51.62	47.58
3.28	3.23	2.69	3.69	3.31
7.76	10.34	6.97	8.17	7.88
8.66	7.30	7.16	2.92	8.40
99.22	118.50	102.30	112.49	115.17
2.79	2.77	2.09	3.78	2.16
93.15	87.75	63.19	26.57	82.04
27.37	27.89	33.44	6.93	27.13
3.28	5.36	5.27	1.96	4.55
2.59	2.03	1.79	2.26	2.64
19.70	26.60	15.52	21.27	18.77
24.68	22.81	29.36	15.50	33.83
257.75	177.34	108.07	16.14	212.72
27.96	28.63	20.40	4.77	27.46
4.98	4.06	4.18	5.77	3.94
19.80	17.36	17.51	11.79	18.12
31.15	33.07	27.86	25.31	32.99
20.20	19.03	22.89	21.62	20.45
4.28	3.79	3.88	3.61	3.87
44.88	17.27	37.52	12.51	29.15
26.27	29.37	31.64	25.46	30.98
22.19	16.16	15.62	27.11	17.82
169.98	132.54	144.79	213.91	145.07
95.94	100.22	101.20	139.66	99.94

0.90	1.39	0.80	1.56	0.93
4.38	7.94	7.36	3.73	6.12
4.58	6.10	5.67	8.78	5.51
18.71	7.11	17.91	45.23	14.00
7.07	6.56	5.97	3.45	6.26
26.17	26.42	25.77	22.29	25.68
38.12	45.63	41.00	43.44	42.27
40.70	34.27	38.61	36.95	38.84
13.73	15.33	20.20	14.47	15.85
17.91	41.10	18.61	4.50	29.48
37.92	29.28	31.54	25.79	32.67
51.65	50.52	44.58	44.10	47.93
11.84	11.18	10.25	8.64	11.38
29.46	30.20	28.86	27.06	30.59
7.17	6.10	5.87	8.08	6.39
2.09	1.85	1.89	1.42	1.96
6.47	6.10	5.97	7.89	6.75
32.54	33.90	41.40	44.72	35.04
12.64	13.12	16.12	16.04	13.53
10.65	8.87	9.35	8.24	9.33
1.00	1.11	0.70	1.18	0.95
3.18	3.42	5.47	1.91	4.09
8.66	8.04	7.46	8.98	8.03
15.72	16.07	16.32	9.03	16.35
7.96	8.50	8.56	9.81	8.40
19.80	15.33	19.40	19.14	18.12
18.31	18.20	17.22	23.05	18.01
158.73	115.83	122.10	153.88	132.85
186.20	147.60	260.32	336.55	177.16
34.13	24.57	33.04	32.20	29.56
22.59	21.43	25.38	43.78	22.30
12.04	13.76	13.04	12.98	12.01
44.09	60.59	66.37	38.28	57.95
30.85	19.95	21.89	49.23	25.88
245.31	171.61	227.48	170.26	203.72
1.00	3.88	2.09	0.99	1.84
5.87	16.44	0.90	32.29	6.62
3.68	2.49	0.60	2.09	1.76
5.27	8.50	13.23	3.34	8.68
12.44	9.88	13.33	14.71	11.57
4.58	4.25	3.98	4.48	4.05
8.36	8.04	9.55	7.91	8.35
3.68	4.43	3.28	2.93	3.83
5.47	5.54	4.18	4.00	5.09
9.26	9.14	7.46	5.39	9.21
0.20	0.37	0.40	1.94	0.24
6.57	8.96	16.62	41.21	8.98

10.55	11.82	8.86	8.21	12.42
90.16	129.31	127.77	137.26	116.58
314.78	341.94	247.88	210.55	343.42
28.16	22.26	19.50	6.59	27.74
17.61	17.73	18.11	14.60	18.04
21.60	20.51	19.70	20.45	20.12
6.37	4.80	5.67	6.98	5.03
3.88	4.43	4.48	4.68	4.24
11.15	10.07	9.65	9.85	9.39
7.17	6.00	5.67	11.48	6.13
1.00	2.59	1.39	0.46	1.43
80.01	86.36	119.61	202.41	86.18
9.75	12.56	9.06	7.27	10.40
7.46	11.64	11.44	10.16	9.78
17.61	19.03	23.48	71.48	18.16
5.47	4.25	6.97	3.66	6.10
8.66	7.76	6.67	9.14	7.76
33.64	14.50	18.01	3.94	20.96
99.22	61.24	79.61	52.92	80.98
75.04	93.01	104.39	111.60	85.60
2.09	1.39	1.00	2.24	1.43
5.67	6.93	7.07	3.66	6.46
16.12	11.36	17.51	24.83	15.07
171.07	160.90	171.06	258.98	165.56
23.88	23.37	26.27	24.65	24.44
6.27	7.48	5.77	7.95	6.62
3.88	5.17	4.28	7.98	4.88
1.29	0.92	0.70	1.16	0.98
197.35	201.08	193.85	163.75	196.62
27.77	24.75	25.18	22.40	26.02
37.02	34.27	38.51	56.98	37.99
34.83	19.21	24.38	46.75	24.91
38.31	40.92	30.35	31.87	36.01
59.01	119.71	53.83	58.06	78.82
7.56	8.59	6.57	10.74	7.38
27.57	25.03	18.71	5.81	24.20
692.85	400.03	442.72	393.57	517.90
11.15	13.39	10.25	10.91	12.07
2.29	1.75	1.99	5.27	1.63
1.89	5.36	5.57	6.62	3.99
23.49	26.97	28.86	32.05	25.51
101.81	92.00	86.87	71.10	93.28
4.78	2.49	1.69	1.94	3.44
124.90	123.40	153.05	128.01	137.30
22.49	15.89	17.41	30.63	19.79
9.06	8.68	14.63	8.85	10.40
43.19	42.49	33.73	30.49	37.52

25.48	48.21	50.15	42.90	39.23
0.10	0.18	0.30	1.61	0.21
1.19	2.59	0.90	1.84	1.80
14.13	12.84	13.43	13.27	12.59
6.87	9.70	11.05	8.35	8.58
0.60	0.92	0.50	1.26	0.66
45.68	43.13	36.52	67.75	37.87
24.68	26.60	31.54	31.81	27.18
26.07	29.19	26.37	36.42	27.70
25.87	27.43	30.45	18.05	30.31
4.38	4.06	2.39	6.43	3.65
5.27	7.57	12.94	10.25	8.47
8.96	4.80	7.26	9.72	6.52
11.94	12.01	14.33	14.63	11.68
128.18	149.63	145.68	151.41	136.34
27.57	29.19	32.74	31.38	29.25
8.66	5.36	6.47	16.30	6.60
34.33	43.97	41.79	49.48	38.86
7.96	9.88	9.95	8.93	9.73
4.88	8.31	6.77	8.13	6.66
19.90	16.81	19.11	18.12	19.01
7.76	9.88	6.17	10.67	7.44
2.29	4.34	2.29	0.77	2.86
11.54	10.99	10.65	8.08	11.17
7.36	6.00	7.66	7.66	7.09
19.90	25.12	23.38	28.61	23.20
0.50	1.02	0.60	1.41	0.84
33.64	34.91	30.65	29.73	32.31
209.98	389.97	679.26	783.78	422.90
0.80	1.20	1.09	0.90	1.03
5.87	8.77	5.97	7.48	6.80
3.38	4.53	4.18	6.25	3.94
13.73	12.84	12.64	14.50	13.31
12.24	9.14	9.75	17.37	9.99
5.67	6.28	2.29	4.31	4.92
21.50	22.91	19.80	17.48	20.31
6.67	4.25	6.07	6.88	5.86
31.05	33.34	31.54	30.90	33.77
27.37	28.36	25.87	27.71	27.03
45.88	36.95	38.91	44.71	40.38
0.30	0.46	0.70	1.78	0.46
12.54	7.67	20.00	26.65	12.01
2.69	4.80	2.39	1.08	3.39
8.46	7.20	9.06	9.14	7.41
3.09	5.91	4.48	5.73	4.16
1.99	3.51	4.78	7.42	3.01
22.49	20.41	26.17	19.96	23.14

12.84	12.01	15.62	14.23	13.49
3.48	3.33	3.08	3.39	3.83
150.47	152.13	159.02	156.24	150.16
102.50	113.79	108.47	155.81	103.04
0.30	0.65	0.30	1.26	0.41
59.51	44.34	65.68	147.42	52.67
102.40	100.03	110.95	47.54	104.99
7.26	7.11	8.56	8.47	8.23
36.72	33.81	27.46	19.67	36.90
7.96	9.51	9.45	8.68	9.16
13.24	7.85	13.33	21.91	11.07
6.97	10.62	2.09	5.71	10.03
17.12	18.29	13.73	24.84	16.07
41.00	42.30	39.70	39.79	42.94
16.82	18.84	14.33	9.28	17.30
3.28	1.85	1.29	6.12	1.95
17.02	19.12	21.79	19.11	18.43
15.33	15.33	13.33	22.37	14.38
4.58	5.36	3.98	5.35	4.33
55.93	56.80	57.32	42.99	56.72
14.43	11.27	14.83	14.05	14.42
1.49	2.22	1.79	1.61	1.88
14.43	13.85	11.54	13.27	13.93
1.09	1.66	2.09	0.91	1.56
3.88	1.57	2.49	2.19	3.44
12.14	16.26	15.42	13.27	14.90
11.54	13.67	10.75	12.77	11.77
1.49	3.88	0.70	1.46	2.34
49.46	38.33	45.68	51.74	47.98
8.26	8.68	9.06	6.81	9.25
13.34	11.36	11.05	13.28	12.19
73.25	61.05	67.47	98.92	68.69
41.80	40.18	38.41	41.27	42.98
5.77	7.02	6.77	3.81	5.84
43.19	48.49	41.60	45.72	42.25
202.12	281.16	189.87	362.95	252.79
1.00	1.20	1.49	1.38	1.02
23.19	17.64	15.82	9.92	21.04
1.39	2.03	2.49	1.01	1.86
12.14	8.96	9.55	1.57	10.50
27.37	19.21	19.90	21.73	21.48
16.02	15.24	18.01	18.94	16.26
18.71	17.55	20.00	32.40	17.63
37.52	38.42	31.64	37.04	34.98
17.91	9.79	9.15	17.40	12.47
9.16	10.16	11.54	11.50	10.30
1.00	2.77	1.09	0.42	1.85

18.11	18.47	22.59	17.61	18.96
6.37	2.86	3.98	6.72	4.66
20.50	6.84	8.76	41.74	10.70
5.67	7.57	5.77	4.05	6.81
44.29	22.26	28.36	9.17	30.10
9.85	9.42	9.35	8.27	10.98
1.99	3.79	3.48	4.47	2.76
8.86	3.14	4.68	15.61	4.96
23.88	23.74	21.10	28.81	24.09
15.43	15.42	13.63	12.90	15.00
9.16	10.25	7.07	7.43	9.30
27.27	25.03	23.58	22.09	24.72
2.29	1.75	0.90	0.83	1.27
0.20	1.48	1.09	6.47	0.85
9.35	3.79	5.08	19.65	5.15
0.10	0.74	0.70	4.37	0.64
11.84	7.57	10.45	16.13	11.19
9.35	10.90	12.34	9.90	11.05
4.48	3.88	1.39	4.26	3.16
3.28	2.77	3.28	4.22	3.25
24.08	12.65	23.58	30.74	22.15
72.05	71.21	68.96	57.40	71.71
11.44	10.99	11.54	10.38	11.46
37.92	29.56	33.83	28.80	33.79
12.44	12.38	11.54	11.96	12.53
97.93	164.04	136.93	210.57	123.71
24.38	45.54	41.60	52.50	36.28
4.68	3.05	4.38	2.61	4.04
33.24	39.07	42.09	55.22	37.38
7.76	8.31	11.15	19.43	8.19
1.89	0.55	1.00	3.96	0.99
11.25	13.21	15.52	18.24	12.84
1.89	2.22	3.28	2.55	2.45
19.80	11.73	19.30	40.06	14.79
3.18	3.88	4.88	5.14	4.03
5.87	8.22	4.78	6.28	6.14
29.76	38.98	40.60	51.15	34.47
8.66	5.26	7.46	18.05	6.70
9.55	8.41	10.35	11.99	9.07
19.01	20.51	22.59	23.87	20.58
1.59	1.94	2.69	2.14	2.03
38.02	30.30	31.35	65.11	30.63
59.91	75.92	74.04	65.31	71.60
226.90	233.59	180.61	148.29	223.38
1.49	1.57	1.79	1.49	1.62
7.17	6.28	7.86	5.16	7.41
18.71	17.55	20.20	18.01	18.22

4.28	3.05	5.17	6.33	4.10
8.96	16.72	6.27	0.31	13.32
271.39	300.93	314.25	441.38	289.01
49.76	60.04	62.99	73.25	54.15
11.54	11.82	11.15	11.60	10.90
12.24	9.88	11.34	12.55	12.28
2.39	2.03	2.69	3.82	2.31
195.65	163.67	229.47	237.06	212.80
0.50	1.02	0.60	4.27	0.97
4.68	14.41	3.08	4.92	10.63
33.64	61.15	59.61	54.58	49.24
150.77	104.47	139.21	104.87	136.46
8.46	10.62	10.75	12.29	10.46
30.85	28.63	36.22	23.23	28.63
20.50	17.73	26.57	21.25	22.74
7.36	10.07	5.97	3.47	7.81
41.00	50.52	18.01	48.51	35.65
48.37	62.90	33.34	36.14	43.16
18.61	13.30	9.35	26.25	13.63
185.90	127.19	167.87	423.69	163.87
459.58	522.51	441.63	431.26	462.50
328.11	395.32	362.12	121.25	379.95
1.89	8.41	5.77	0.06	5.44
38.61	48.77	57.72	34.80	47.42
25.97	30.48	32.34	31.12	31.23
9.35	8.87	9.55	12.49	8.68
17.22	12.01	16.02	16.16	15.00
3.78	7.57	6.57	4.51	6.00
0.70	0.46	0.10	1.63	0.35
44.98	44.98	41.20	37.85	43.81
11.44	15.42	12.34	15.06	12.45
37.42	47.57	72.34	82.87	47.13
17.32	15.89	17.51	13.49	16.06
9.26	8.96	5.97	12.45	7.66
46.08	50.34	46.27	43.84	48.87
10.85	9.51	9.95	9.60	10.20
73.35	80.54	88.17	82.76	81.98
5.87	5.91	6.17	12.02	5.85
40.31	34.82	31.25	44.65	37.64
3.88	3.51	3.68	6.04	3.94
1.69	2.40	1.39	3.77	1.75
42.99	48.49	43.39	50.12	43.82
1.39	0.55	1.49	2.12	1.08
0.80	1.20	1.09	1.09	1.06
25.97	27.62	33.44	34.51	28.73
56.43	48.49	53.34	53.20	52.92
4.18	5.91	7.07	4.28	6.63

22.99	17.83	18.81	22.54	19.92
10.35	8.87	8.56	6.99	9.12
4.88	3.69	4.88	6.04	4.21
7.26	7.02	10.35	8.11	8.21
12.84	10.90	9.95	10.42	11.45
39.21	31.59	35.03	34.15	35.30
17.52	19.67	17.31	19.98	19.47
40.50	35.93	26.87	25.41	36.81
3.58	1.57	1.79	0.59	2.65
7.07	7.48	4.28	3.74	6.85
21.40	18.01	19.01	22.59	18.14
0.90	0.83	0.40	1.00	1.04
37.72	46.83	43.49	44.16	43.85
7.26	10.16	10.35	13.58	8.93
0.30	0.92	0.70	1.41	0.51
46.57	43.97	44.78	65.35	46.55
17.02	20.97	13.93	9.37	17.37
2.59	2.68	2.39	1.76	2.42
2.89	4.16	4.68	2.87	3.43
5.87	2.96	3.68	10.20	3.95
9.16	9.51	11.44	9.24	10.27
39.71	41.10	37.22	39.84	39.55
12.24	8.96	12.94	12.50	11.72
45.78	47.11	41.99	38.50	47.26
43.69	47.75	34.93	40.46	44.66
17.91	27.80	25.08	20.87	22.65
44.98	47.57	50.15	49.07	48.81
8.66	8.68	10.65	17.12	9.40
20.80	24.29	27.37	19.60	25.03
4.18	4.34	2.29	3.47	3.78
8.56	7.48	6.47	7.49	7.62
34.04	31.77	34.13	42.10	32.69
3.48	3.05	3.38	2.16	3.05
1.29	2.31	1.49	1.25	1.56
5.67	6.19	8.46	3.95	6.50
43.59	42.40	41.40	27.11	43.27
5.08	7.30	5.67	0.89	5.17
9.26	8.77	6.17	5.53	8.58
15.72	21.71	16.02	9.99	17.25
100.51	101.23	93.74	63.66	99.25
157.34	115.64	142.90	151.22	141.91
38.31	25.40	39.90	43.84	35.12
11.15	9.51	9.95	10.53	9.67
4.28	5.54	4.38	4.14	4.75
2.09	1.29	1.59	1.46	1.59
2.79	1.57	3.08	1.04	2.24
15.13	14.78	12.74	17.77	14.16

57.12	50.89	47.86	53.15	50.93
46.18	47.20	35.23	42.01	43.10
60.31	44.80	30.65	34.35	48.11
14.53	10.07	9.15	26.59	9.89
9.26	9.42	9.85	9.26	10.35
5.67	4.16	5.37	7.79	4.53
14.33	10.53	9.65	8.75	12.61
204.61	180.02	155.83	122.75	185.50
8.76	10.99	13.53	3.35	11.04
2.09	2.31	2.19	3.84	1.80
28.76	22.35	31.25	42.35	26.78
1.79	3.69	3.28	3.57	3.08
26.97	31.87	27.96	27.56	28.61
9.95	12.10	7.46	2.97	8.42
68.17	41.29	54.43	86.49	57.48
14.63	19.77	15.32	16.48	14.77
1.79	3.69	3.58	3.34	2.90
5.47	2.68	1.99	0.45	3.83
12.94	17.55	19.50	4.92	16.25
1547.82	1628.21	1924.73	262.10	1779.98
14.63	16.90	12.14	20.30	14.30
35.73	32.05	28.36	22.92	33.60
133.65	154.07	165.88	241.60	140.71
183.21	105.57	208.47	399.90	141.87
76.03	82.21	96.43	112.36	77.30
289.00	291.87	267.09	319.50	268.05
2.89	4.16	2.99	3.24	3.14
3.38	2.22	4.18	9.35	2.92
0.90	2.96	2.19	0.47	2.05
4.98	10.44	5.57	0.22	8.56
45.88	41.10	40.10	36.39	43.17
30.05	32.24	12.34	8.37	30.24
98.52	90.24	81.50	192.80	87.99
1.09	1.48	0.70	1.23	0.98
13.53	13.30	10.75	8.21	12.05
9.45	8.31	8.66	3.86	8.82
524.07	277.47	428.99	628.98	451.80
23.49	22.63	25.28	17.79	25.77
7.56	5.91	5.47	7.90	7.33
8.16	10.99	6.77	5.25	8.47
21.50	21.80	10.25	19.16	17.81
6.57	4.90	3.88	8.27	4.66
2.99	5.45	4.38	3.93	4.31
3.98	4.06	2.79	0.72	3.37
39.81	31.96	38.01	42.82	35.12
37.82	29.93	35.92	31.35	35.48
2.49	2.77	2.49	2.01	2.41

24.68	28.08	26.87	22.78	25.30
20.30	30.30	31.54	27.34	25.68
47.07	51.45	57.42	187.25	50.47
284.03	201.54	252.66	480.79	232.47
25.68	30.11	32.94	40.37	28.53
145.30	130.60	160.21	259.17	133.81
53.94	52.19	46.47	28.64	51.60
104.89	97.08	99.81	78.17	97.19
17.32	12.56	15.23	15.45	16.01
25.48	19.95	19.21	28.59	20.83
54.44	51.54	64.78	57.46	55.79
42.99	49.78	34.83	33.88	44.69
4.68	5.17	3.18	10.32	3.73
67.08	66.13	62.19	61.39	64.86
788.09	410.01	595.77	1368.94	564.48
2.79	2.12	3.48	2.59	2.54
10.55	8.87	11.05	9.92	10.11
11.25	14.69	42.49	23.99	24.84
6.47	5.17	5.87	3.57	5.86
29.56	32.33	25.57	21.78	29.19
36.42	28.82	27.66	41.78	30.08
42.69	37.50	36.22	27.44	39.90
265.02	346.18	296.14	312.55	299.22
559.69	526.57	523.82	826.74	503.19
3.78	5.73	3.98	15.88	4.26
95.84	94.49	89.66	48.63	88.37
76.23	78.42	70.15	22.28	78.77
53.24	42.49	37.12	90.58	42.27
3.68	9.61	1.69	1.38	4.28
3.18	1.94	2.19	0.30	2.40
1.29	0.83	2.69	3.99	1.61
22.29	19.67	25.28	39.80	22.74
17.52	12.28	10.45	4.55	15.40
14.63	12.56	11.44	14.90	13.73
4.88	3.05	3.78	3.47	4.82
45.48	45.54	41.50	38.66	48.47
2.59	3.88	2.79	6.49	3.20
0.60	0.65	1.00	0.84	0.94
27.96	35.10	25.08	20.30	34.22
144.40	90.70	82.10	33.95	103.10
6.17	7.94	7.07	3.55	7.09
3.58	8.59	5.37	4.75	5.46
5129.90	3121.30	4059.22	7487.12	3831.33
30.05	32.33	28.96	23.88	31.04
27199.89	34735.70	11422.87	3869.11	25578.18
1.39	0.65	0.80	1.50	0.84
17.81	22.35	19.80	34.87	19.29

9.75	22.17	11.54	8.03	15.57
30.85	65.67	76.03	118.60	57.03
186.20	212.53	208.27	152.78	198.60
3.38	11.45	8.06	6.56	6.64
235.26	183.99	209.37	136.14	202.36
511.03	371.86	488.40	643.98	458.26
4.58	4.71	4.58	8.42	4.67
66.98	75.19	67.97	56.23	68.44
22.89	23.09	23.68	15.60	22.69
50.26	60.04	51.35	40.05	55.66
18.11	18.10	20.90	24.55	18.07
13.44	18.29	21.99	27.06	16.84
0.20	2.96	0.40	1.15	0.95
6.47	3.23	2.39	2.42	4.47
64.19	139.01	109.46	128.53	102.41
32.44	13.39	35.92	12.08	24.95
1.19	0.37	1.19	1.24	0.82
2.49	2.96	2.79	1.03	3.64
153.06	114.63	83.09	11.45	120.97
5.47	4.16	4.98	6.00	4.63
61.40	39.26	32.44	18.32	46.34
45.38	40.64	46.07	29.27	44.83
1.89	3.69	2.69	1.01	3.43
0.40	0.92	1.59	1.87	0.85
36.22	38.33	31.84	33.16	35.22
83.50	207.27	174.94	167.96	146.10
166.69	180.67	268.18	114.99	221.56
60.21	52.93	53.34	68.61	55.29
2.39	3.33	3.98	1.82	3.65
19.01	5.82	9.65	32.39	9.76
25.18	35.93	27.56	31.19	29.21
77.03	88.58	86.47	72.71	84.23
31.75	43.87	30.45	32.55	37.12
79.62	95.14	70.25	39.66	86.76
28.76	53.20	45.28	38.37	41.63
33.94	38.24	41.60	33.11	38.80
8.26	8.13	5.97	3.96	8.21
116.34	95.97	109.96	32.01	107.81
6.97	6.56	5.27	10.70	5.96
1.39	0.92	1.39	2.56	1.53
7.86	10.62	9.95	4.94	8.97
15.52	19.40	19.11	13.30	17.93
9.65	9.98	10.85	12.01	9.70
2.99	2.03	1.00	1.23	1.91
2.19	2.77	2.09	1.99	2.20
9.85	7.02	8.76	5.28	8.21
5.37	10.81	10.75	17.07	7.77

81.31	50.99	82.79	83.19	67.94
198.84	219.83	180.01	123.16	189.57
13.63	23.55	24.18	30.67	18.69
33.04	37.87	36.52	20.20	34.21
0.50	0.28	0.50	5.53	0.35
3.78	1.94	6.47	3.46	3.21
1.99	1.29	2.19	0.90	2.32
57.32	54.59	54.13	111.46	52.56
1.89	2.59	0.80	4.45	2.04
372.80	303.42	472.97	579.56	363.94
42.20	44.06	40.70	33.33	44.02
307.91	264.16	200.21	828.70	228.68
125.19	110.10	81.70	81.76	104.09
1.09	3.33	1.99	2.45	2.27
5.97	5.26	2.39	2.06	5.17
1.19	1.85	1.19	1.87	1.41
0.80	0.28	1.09	2.40	0.76
1143.37	595.02	622.63	148.97	869.02
88.07	90.80	76.52	39.12	95.04
47.07	39.07	49.76	56.11	44.39
28.86	25.03	27.37	43.72	27.23
6.87	7.02	5.97	5.46	5.75
10.45	9.79	13.53	12.16	11.88
92.15	105.94	98.02	117.99	93.03
48.96	48.03	56.32	53.91	49.60
168.29	111.21	129.46	151.97	132.61
30.75	28.36	31.15	26.31	31.02
21.40	21.24	32.04	27.07	23.12
7.96	5.17	7.56	7.33	6.56
30.05	24.20	31.54	30.42	29.25
3.68	3.33	3.08	4.18	3.47
541.98	424.79	446.40	210.84	481.17
156.15	150.83	180.81	244.17	164.03
11.94	10.16	8.96	10.67	11.71
9.26	7.57	7.16	8.07	7.92
69.46	50.89	81.10	67.41	61.89
6.97	7.76	9.25	6.26	7.95
5.08	5.26	5.67	6.15	5.46
85.19	83.31	97.72	85.78	86.63
41.60	42.40	37.42	47.62	38.34
1.99	2.59	1.39	5.65	2.31
43.09	26.23	36.62	9.38	38.48
167.59	138.46	207.18	275.58	155.83
58.62	64.19	58.41	44.83	58.60
108.58	82.39	67.07	10.64	87.49
32.84	24.94	29.55	32.90	30.04
29.16	13.85	26.87	64.82	19.71

5.77	4.90	5.37	0.58	4.48
3.78	7.76	5.27	8.99	5.40
1.99	1.66	2.19	1.40	2.22
1.19	3.69	1.79	2.19	2.11
47.47	35.56	44.08	34.74	43.11
21.40	23.28	31.54	46.04	22.53
79.32	73.71	75.53	47.99	76.68
51.85	51.36	71.95	83.89	54.74
23.59	17.64	17.22	29.42	20.01
60.51	55.70	40.90	10.68	77.44
44.39	48.31	47.57	70.81	46.33
77.33	67.52	74.83	74.55	72.98
108.18	89.87	75.93	56.03	93.91
12.74	12.28	15.32	18.99	13.91
21.50	25.95	20.90	22.11	22.67
41.10	50.71	50.05	37.02	49.92
62.70	71.21	65.68	108.31	70.45
2.19	3.88	1.49	0.98	2.46
172.27	157.58	156.83	127.91	167.53
61.30	83.87	61.50	36.89	75.47
50.36	45.72	50.85	48.89	48.16
16.22	19.58	22.29	26.32	22.79
30.15	36.67	37.91	49.08	35.02
6.07	4.06	4.18	7.18	4.78
10.95	10.62	9.65	13.96	10.36
13.63	12.56	12.74	9.17	12.16
6.77	18.10	27.07	33.41	15.04
6.47	4.34	5.87	5.34	6.03
22.49	15.79	16.62	23.05	16.19
0.70	1.48	0.80	1.54	1.00
5.87	5.73	7.26	4.22	5.95
0.60	0.37	0.00	1.13	0.40
69.66	68.90	73.64	61.42	73.13
2.39	0.83	2.69	0.24	1.76
1.49	1.75	1.09	9.83	1.34
0.50	0.55	0.80	2.15	0.59
0.70	1.66	1.79	1.44	1.29
1.89	6.47	3.18	9.59	4.15
171.97	207.73	208.08	325.10	196.09
15.92	16.81	15.23	18.10	16.69
15.43	13.02	12.24	13.27	12.82
14.73	15.52	15.72	36.49	13.58
27.87	21.24	26.57	25.96	23.65
36.22	31.13	27.27	24.06	32.24
21.40	72.51	87.67	64.67	57.29
35.73	41.47	37.02	36.27	40.61
12.54	12.75	10.75	3.77	11.15

7.07	11.36	10.95	3.35	9.02
9.55	12.75	3.48	5.65	6.82
5.37	1.94	4.38	7.93	4.66
12.04	10.62	18.71	49.27	12.05
87.08	78.79	71.85	97.58	78.62
99.52	44.70	81.10	145.39	64.79
135.45	176.69	109.36	69.55	163.74
7.76	9.33	10.25	12.78	9.68
8.56	6.47	7.76	9.15	6.93
5.67	6.74	9.06	6.31	7.51
305.72	248.19	324.30	441.56	276.56
2.29	4.16	3.58	3.38	3.17
557.90	549.67	567.51	485.27	523.00
66.68	63.73	66.07	67.93	64.65
14.13	9.88	11.94	12.57	12.11
4.38	1.75	3.58	1.91	3.12
9.06	7.11	8.36	10.80	8.03
74.74	94.67	68.06	67.20	89.52
46.77	48.03	53.04	63.57	46.40
120.82	301.02	150.76	662.78	183.11
38.51	72.69	43.68	69.28	50.59
28.36	22.26	19.01	20.48	23.06
30.85	12.38	11.54	43.59	17.10
263.23	315.70	247.08	232.32	261.34
161.02	151.57	83.79	76.51	145.47
10.85	6.00	8.46	11.95	8.38
7.86	7.67	7.16	8.64	8.26
36.22	35.47	35.92	37.74	36.63
18.41	17.55	16.42	16.91	18.05
5.08	6.37	6.57	5.21	6.11
9.45	7.57	8.26	7.82	8.44
38.31	43.04	24.38	48.82	37.14
17.42	15.52	16.02	9.33	16.72
40.11	23.92	37.32	26.46	33.01
38.31	36.76	44.98	51.81	39.10
69.66	154.43	169.57	126.12	125.25
56.53	66.96	63.29	36.23	64.06
5.08	5.36	7.46	9.99	6.02
4.88	5.63	4.78	3.33	5.56
10.35	10.34	12.64	12.03	10.54
10.75	6.37	9.85	5.25	9.43
28.76	29.74	33.63	18.56	32.19
11.15	12.84	11.54	10.51	12.07
13.04	16.16	16.72	16.07	20.98
31.65	32.79	18.41	6.36	33.31
4.48	7.76	4.78	4.18	5.67
3.58	2.03	1.89	2.91	2.98

7.66	7.02	6.27	9.11	7.42
9.35	6.65	5.47	6.06	7.80
164.80	248.92	227.68	310.43	201.74
105.69	95.97	55.53	35.79	93.72
0.60	0.65	2.39	1.73	1.07
1.19	1.94	1.39	3.12	1.45
0.90	1.57	1.49	1.69	1.18
4.88	7.30	10.75	5.85	6.90
14.13	11.92	11.34	11.47	12.22
22.99	21.24	21.89	25.52	22.43
10.25	24.66	12.84	26.71	15.19
60.01	103.45	90.55	210.88	77.01
3.78	4.53	3.48	3.25	3.77
6.87	4.43	1.99	0.15	5.00
0.10	2.40	0.90	1.87	0.91
82.10	57.91	75.73	78.78	62.87
122.11	58.84	87.87	3.19	85.92
122.51	148.52	145.68	200.36	130.22
215.06	215.58	206.88	189.88	209.67
1.09	1.20	1.49	1.72	1.29
2.79	3.88	2.69	0.95	2.91
4.88	5.45	4.08	2.88	5.37
3.18	3.88	2.79	3.46	3.13
21.20	38.52	20.60	13.17	25.48
7.46	7.76	7.16	7.01	7.14
11.44	12.19	11.15	11.18	11.13
21.89	23.55	22.69	20.94	21.83
7.26	8.22	9.65	8.35	7.93
2.49	1.94	2.79	1.50	2.40
14.23	8.77	10.05	13.22	10.95
9.55	6.28	11.34	19.63	8.12
6.27	5.91	7.26	7.85	6.63
156.74	100.22	146.48	297.83	126.37
6.97	8.13	7.56	10.60	7.75
19.90	18.10	18.51	18.73	19.56
13.63	15.33	12.74	12.04	13.74
12.14	8.87	9.75	7.71	10.40
131.76	121.83	111.85	163.41	123.27
277.06	263.33	321.72	790.15	264.52
1.89	6.19	4.38	3.17	4.44
11.64	13.12	11.84	9.57	11.61
31.35	34.73	34.23	35.40	33.57
9.35	10.44	9.15	12.90	8.88
3.78	1.85	1.69	4.22	2.59
66.58	70.38	68.26	85.96	61.82
0.40	1.39	0.80	1.04	0.87
52.65	50.06	44.68	40.92	50.70

13.14	12.28	14.43	10.73	12.77
2.99	1.85	2.79	7.52	2.50
6.07	15.70	4.68	7.13	8.89
2.69	0.65	1.29	1.82	1.54
1.49	2.96	1.29	0.58	1.88
19.61	16.90	18.21	16.82	17.06
55.43	62.07	56.62	51.51	58.05
32.05	47.20	60.20	48.70	41.55
19.21	22.91	15.62	19.95	20.43
33.44	28.17	28.96	28.45	29.71
105.99	190.18	186.08	95.76	163.87
29.46	30.02	28.76	24.29	30.11
82.20	70.01	83.89	63.99	79.42
14.23	1.11	3.98	5.95	10.10
6.37	6.65	7.66	7.12	7.00
102.90	76.76	74.33	58.92	91.40
21.89	11.64	17.81	38.32	15.27
7.66	2.86	4.28	11.21	4.90
5.77	4.53	7.16	13.53	5.79
4.68	2.96	4.98	7.65	3.78
17.71	13.67	14.23	21.31	14.84
25.87	25.03	23.78	25.88	24.83
24.38	25.22	27.07	24.97	25.04
320.05	335.01	228.77	82.19	309.28
0.80	0.74	0.70	1.48	0.56
21.10	12.47	14.73	27.03	15.80
1.29	1.20	1.29	0.72	1.17
1.59	1.85	1.09	2.70	1.67
15.13	20.41	20.80	14.01	20.59
7.96	8.31	9.55	6.76	9.01
2.09	5.91	3.88	0.09	5.12
28.96	24.20	27.37	27.57	25.91
76.73	58.93	65.18	67.34	67.76
23.98	20.23	20.70	27.10	20.55
1.29	3.69	5.37	1.96	3.16
3.98	2.22	0.90	4.28	2.03
50.36	42.12	36.22	52.99	46.03
1.29	1.20	1.19	1.12	1.43
15.82	16.53	15.23	17.02	15.08
1191.34	980.92	1049.43	1152.63	1018.88
2.89	2.12	1.79	4.93	2.96
37.92	32.88	40.80	73.96	35.07
89.87	83.04	75.43	87.24	82.54
5.87	6.28	5.57	5.88	6.01
6.27	3.69	3.58	4.53	5.22
6.07	4.90	4.88	20.29	4.81
89.27	120.35	137.82	60.96	109.94

103.80	49.69	69.26	36.34	79.39
11.54	17.64	18.71	18.69	17.09
30.35	13.76	21.59	18.33	22.17
25.18	25.12	25.08	52.95	24.78
32.84	31.87	27.86	22.12	30.06
10.75	7.20	5.47	4.40	8.03
5.97	6.28	5.27	3.49	6.31
27.17	28.54	28.16	25.84	28.45
12.94	10.71	10.25	16.15	11.03
161.72	181.22	183.30	346.42	165.59
7.07	9.33	7.56	6.53	7.95
90.96	77.49	88.07	130.02	82.69
29.36	28.26	37.22	61.07	29.01
11.05	8.13	12.54	9.27	10.71
1.09	0.46	1.29	0.49	0.84
23.49	23.37	23.29	18.49	24.04
59.31	52.00	60.10	65.70	57.03
107.38	82.21	75.73	49.09	92.31
192.67	151.76	149.27	130.63	165.34
54.64	108.25	37.32	18.69	77.48
12.94	9.14	11.24	12.59	10.48
66.98	76.85	66.07	95.87	69.74
2.09	3.97	3.78	2.99	3.16
57.72	49.97	51.25	32.60	52.08
34.23	21.61	26.07	29.72	27.71
16.52	17.73	15.42	23.56	16.46
17.42	21.34	19.80	18.48	19.47
31.35	29.00	25.87	32.12	29.95
9.75	7.57	8.26	4.71	9.05
11.74	6.93	6.87	17.32	7.39
40.40	41.19	46.77	56.07	40.99
33.64	30.67	40.30	49.41	34.99
15.62	16.53	17.81	19.74	15.68
43.89	36.02	37.81	39.05	42.15
19.70	16.63	14.03	19.97	16.44
92.95	70.38	56.72	31.12	78.06
154.85	140.12	146.38	127.08	144.81
10.45	10.07	7.56	5.26	9.39
375.29	319.95	277.73	286.83	328.60
70.66	60.31	72.24	74.39	66.18
14.23	16.26	15.72	25.19	14.90
1.39	2.12	1.19	0.16	1.53
19.11	17.46	22.29	14.92	19.39
892.68	656.72	771.70	1350.04	749.32
3.78	2.40	4.98	5.87	4.02
211.28	183.71	169.57	232.91	188.21
7.17	11.27	11.15	13.82	9.89

104.89	107.05	109.66	125.19	105.72
8.96	9.42	9.25	12.67	8.74
128.48	165.24	154.44	238.56	143.54
28.86	24.38	29.16	36.88	26.66
106.09	106.13	98.91	132.59	99.78
56.33	41.19	49.06	93.02	50.25
8.26	5.73	5.47	3.63	6.32
110.76	83.96	104.59	196.22	112.33
35.83	30.57	29.16	16.69	34.27
8.46	12.19	9.25	9.24	9.28
33.84	36.95	33.24	30.77	34.88
26.87	23.92	30.15	32.31	26.42
38.61	43.50	59.51	41.25	44.81
68.67	79.06	84.98	61.65	77.47
3.98	4.25	3.08	4.92	4.15
41.00	44.89	42.39	40.05	42.65
13.04	11.55	11.44	10.41	12.01
12.24	9.42	13.73	12.05	12.23
11.35	8.31	13.14	33.04	10.09
447.64	565.83	627.61	881.08	595.38
10.95	15.33	13.14	10.88	13.48
125.29	104.65	114.24	95.67	110.48
24.28	23.00	22.79	34.86	22.54
203.12	202.19	205.49	265.52	192.25
129.47	148.06	138.32	210.52	129.34
182.32	190.36	201.81	143.42	192.08
55.73	56.62	57.02	55.94	57.87
77.53	74.45	72.34	74.89	76.34
25.48	22.08	17.12	0.39	21.19
241.43	241.26	266.19	279.55	251.74
375.48	278.67	320.62	522.88	314.91
34.63	23.74	28.66	44.33	27.72
130.27	99.02	109.96	213.32	106.81
20.90	19.49	18.81	16.51	19.44
16.12	18.75	21.39	28.70	17.10
44.19	48.49	42.79	43.69	44.00
27.87	30.67	25.57	38.16	27.75
28.76	23.83	27.46	28.30	25.51
49.66	41.47	42.49	67.71	40.63
144.90	126.26	137.32	195.57	131.73
16.82	16.26	17.31	17.47	16.80
44.09	39.90	39.41	48.23	42.05
33.94	20.04	22.29	17.66	27.78
46.97	39.35	42.09	50.67	42.33
0.70	1.11	0.60	1.02	0.79
43.29	42.30	44.08	51.50	44.04
7.36	6.19	8.76	8.66	7.60

12.14	14.41	14.13	23.12	13.04
32.24	26.69	32.04	29.71	30.83
53.34	47.85	47.37	21.87	55.79
49.66	44.98	39.21	33.15	45.05
12.54	12.28	12.34	12.03	13.11
6.57	5.54	4.78	6.53	5.74
10.15	8.41	12.24	10.93	10.19
12.44	15.52	12.84	16.15	14.24
5.77	6.47	7.66	5.09	6.43
7.17	7.48	8.76	3.80	7.97
100.61	95.51	90.36	98.67	96.30
99.82	106.77	90.55	95.74	96.35
68.37	59.85	53.54	44.52	64.06
12.44	14.69	9.45	31.98	12.21
99.52	25.22	83.79	197.31	60.65
28.16	25.59	27.66	30.27	25.97
65.58	64.56	76.13	66.91	68.52
34.53	54.96	44.58	37.15	47.66
4.28	6.37	5.87	7.11	6.18
6.97	5.54	5.47	5.40	5.54
25.97	21.80	20.60	14.47	23.79
175.25	176.42	160.71	149.83	168.18
64.79	85.16	84.38	88.58	84.53
3.58	3.69	5.17	0.91	3.59
1.49	1.94	1.00	1.30	1.30
20.20	16.16	16.52	18.15	17.77
4.88	4.06	4.38	4.86	4.91
7.66	6.28	7.46	6.83	6.68
4.18	8.96	4.38	4.08	4.88
1.29	2.22	1.49	0.59	1.47
26.67	30.94	23.29	31.74	25.62
21.79	18.84	19.30	15.86	20.76
1.00	0.74	1.49	1.29	1.06
16.82	15.52	17.71	19.39	15.98
8.76	8.68	6.57	6.82	8.97
2.19	2.59	2.59	2.41	2.38
27.07	20.41	21.20	35.45	22.13
4.88	10.53	7.56	7.22	7.54
0.40	0.83	0.30	1.38	0.54
2.39	5.36	7.07	2.47	6.07
5.77	6.37	9.55	8.36	7.07
0.80	0.92	1.00	2.00	0.96
11.05	25.49	21.89	39.96	21.33
8.26	8.41	4.48	9.11	6.86
10.35	7.48	9.06	20.05	8.14
2.09	0.65	1.19	1.70	1.27
1.19	2.49	1.49	3.09	1.77

1.00	1.75	0.80	5.63	1.17
1.79	2.03	1.79	1.71	1.88
10.55	10.07	6.57	0.09	11.97
6.17	3.14	1.49	0.16	3.81
16.82	14.22	14.23	17.81	14.95
1.09	1.48	1.89	0.67	1.40
14.23	12.28	10.45	15.07	11.77
52.74	54.59	46.17	81.02	50.53
10.75	14.96	9.55	6.90	13.87
21.00	17.09	20.70	20.06	20.03
12.24	12.65	13.23	13.68	11.99
80.71	88.30	97.72	226.50	82.56
136.74	100.96	84.48	144.51	105.89
5.87	7.02	7.26	12.50	6.68
245.21	287.90	455.56	296.93	335.30
248.10	128.20	131.25	6.95	194.60
159.03	85.81	53.64	3.30	112.72
47.57	46.64	40.00	34.82	46.88
28.66	20.32	26.27	65.77	23.96
59.91	59.30	67.57	80.77	57.87
35.73	30.39	35.03	39.69	32.67
2.49	2.86	3.38	2.20	2.47
7.46	9.51	6.57	7.01	8.10
35.63	36.21	40.90	120.00	34.84
25.97	20.69	17.51	28.24	20.65
5.47	5.36	5.08	3.61	5.59
1.09	1.29	0.90	4.82	0.92
3.18	1.85	2.19	4.17	2.18
27.96	33.62	24.98	19.58	29.00
37.72	31.77	32.84	40.58	33.82
1.19	0.65	0.90	0.91	0.94
0.80	1.94	3.48	4.42	2.53
647.67	1002.16	626.22	2200.16	741.72
7.76	7.20	10.85	10.06	8.06
1.69	2.22	1.59	0.03	2.16
3.18	3.33	3.78	4.23	3.65
0.70	8.31	1.89	9.55	2.91
3.78	0.74	1.69	8.51	1.65
1.89	3.79	2.59	2.71	3.30
0.80	0.74	0.40	1.79	0.77
1.39	1.02	1.19	0.67	1.47
25.18	23.09	18.41	10.32	23.61
46.97	59.95	47.86	21.95	56.82
131.36	225.65	223.30	117.51	216.83
28.56	24.01	24.48	40.80	24.63
59.81	141.32	77.92	59.48	111.05
16.22	13.58	13.33	17.61	14.73

91.96	98.00	80.70	76.51	90.17
4.78	6.28	7.66	0.00	6.76
25.38	22.35	23.58	23.34	23.70
72.45	123.31	100.01	106.12	104.81
67.37	69.18	56.32	50.69	66.97
0.70	1.57	1.79	2.10	1.30
6.57	10.25	10.45	7.34	10.20
24.38	35.75	10.35	12.02	29.74
1.09	1.85	1.09	1.33	1.36
6.07	5.63	4.88	6.04	7.14
36.22	35.19	40.40	43.68	37.58
7.96	6.19	8.56	5.55	8.39
41.90	41.38	32.14	35.17	38.92
836.95	734.21	743.34	803.33	763.51
29.56	20.14	20.90	10.42	24.31
7.96	7.76	7.46	7.57	7.56
16.32	20.41	16.82	15.67	18.88
10.75	13.30	10.85	10.96	11.50
37.02	33.07	34.43	46.29	37.56
8.66	5.63	9.75	12.72	8.16
13.93	15.89	15.32	13.22	14.47
10.05	14.22	11.15	20.64	10.65
4.08	2.68	3.58	3.08	3.09
2.19	5.08	5.57	6.99	4.13
13.63	21.15	14.33	23.45	16.04
8.16	8.31	3.78	4.67	6.39
11.74	16.81	8.36	9.46	11.28
48.57	22.72	23.58	0.83	36.88
193.46	143.44	133.54	78.58	159.28
38.81	44.34	35.33	26.96	39.18
14.73	8.50	7.36	5.35	12.29
1.00	1.39	1.19	0.89	1.49
5.87	4.25	5.77	6.66	5.61
2.99	5.17	4.78	5.50	4.31
55.73	61.15	55.03	67.13	55.86
26.47	24.75	23.98	27.01	24.45
18.81	17.64	17.02	15.90	17.60
13.53	13.85	10.75	12.57	12.72
22.19	26.32	25.57	23.05	24.77
25.18	18.01	25.38	23.32	23.58
10.85	8.59	11.34	18.80	10.16
26.07	27.62	22.79	17.99	27.07
8.06	10.34	12.24	10.68	9.97
9.55	9.70	8.36	13.15	9.49
10.45	9.42	10.05	9.05	10.20
12.74	11.45	12.94	13.16	12.47
213.07	345.91	322.01	353.85	283.16

18.11	19.95	21.00	11.81	21.24
26.47	22.54	21.99	21.60	23.43
6.97	6.28	8.96	5.31	7.51
322.74	274.42	205.79	113.88	270.37
36.92	41.47	42.49	35.90	38.84
25.78	26.88	24.18	24.21	25.59
28.26	38.15	31.25	31.82	33.98
13.63	11.18	8.76	12.80	11.80
62.00	109.64	108.67	121.64	106.22
12.84	15.61	11.64	16.13	13.87
2.99	3.79	4.98	3.87	4.01
8.86	7.30	7.26	8.30	7.59
36.32	61.15	51.45	31.25	52.13
15.33	18.20	17.81	13.84	16.87
46.08	40.27	50.55	37.10	44.83
22.79	19.86	22.59	15.03	23.89
2.09	1.85	2.29	2.47	2.28
13.44	4.25	6.87	20.96	7.24
38.41	54.50	52.94	56.14	47.10
17.61	32.05	22.59	25.41	20.65
5.17	6.28	12.14	9.24	7.41
30.05	35.84	48.36	35.38	35.89
23.79	23.92	34.23	32.79	27.46
1.29	0.18	1.49	1.36	1.12
1.99	1.94	1.99	1.43	1.83
51.35	28.82	31.94	42.69	39.64
12.54	10.25	12.54	11.92	12.87
270.29	363.73	350.08	540.92	288.93
6.37	5.26	6.67	4.16	6.25
67.18	82.30	106.18	134.67	78.15
1.69	1.39	2.79	1.93	1.94
1.39	2.77	1.39	4.94	1.89
46.77	56.34	45.77	18.86	48.02
61.60	72.14	53.83	53.99	64.67
234.96	312.56	335.75	333.30	299.61
143.41	129.22	163.50	184.64	147.38
13.53	10.44	11.34	7.87	13.41
69.76	41.01	45.08	99.14	50.86
28.66	14.59	17.22	34.12	19.25
16.62	12.75	14.33	17.65	13.89
18.91	14.69	13.93	10.16	16.33
81.70	45.17	53.24	133.03	55.51
62.80	41.75	52.24	54.73	54.00
279.05	641.38	685.72	517.77	514.33
1.09	1.20	2.09	1.89	1.48
7.66	8.96	7.56	10.83	7.34
3.09	4.43	3.18	3.80	3.59

29.06	25.22	27.07	19.07	28.67
29.26	25.86	25.67	41.14	27.21
0.90	6.93	0.90	2.00	3.22
17.52	16.26	18.71	18.31	18.33
19.31	28.08	25.77	24.37	25.17
28.66	31.68	29.55	32.20	29.32
108.08	89.22	89.66	78.76	95.51
45.28	43.87	38.51	43.04	42.93
10.65	8.50	7.36	10.91	8.96
7.76	7.48	8.96	8.69	8.48
4.78	4.90	5.37	5.19	4.65
6.47	7.85	9.25	0.98	9.97
6378.46	4280.85	5797.56	8160.85	5176.16
102.80	85.71	67.67	17.59	85.57
9.95	3.88	6.27	7.18	6.64
22.49	20.78	22.09	23.01	21.64
17.02	24.57	22.69	19.87	20.49
40.01	32.60	33.73	81.56	32.77
108.28	46.00	53.14	5.15	75.40
27.07	23.55	25.38	33.10	25.25
12.94	11.82	11.74	11.98	12.38
23.29	23.00	24.18	25.35	22.64
24.88	19.30	17.81	30.78	20.08
20.70	18.75	18.91	20.14	19.80
49.06	66.96	67.57	61.36	59.16
21.50	24.94	19.90	23.75	21.82
10.85	10.25	13.33	17.80	10.63
20.90	17.46	18.81	28.08	18.65
1.09	1.75	1.00	1.06	1.47
14.23	17.36	22.79	15.45	17.70
0.60	0.55	0.50	1.69	0.48
95.64	96.24	90.65	53.89	97.62
51.95	54.77	52.64	56.23	53.70
3.48	3.79	2.99	4.94	3.89
115.94	113.52	123.89	149.34	114.82
24.88	14.41	24.48	36.09	19.79
52.05	60.59	60.30	75.84	56.94
18.51	31.68	27.07	1.05	27.62
5.47	11.08	6.07	2.43	7.20
4.28	5.82	5.37	3.86	4.69
70.06	59.39	62.49	60.09	63.58
7.86	11.64	12.24	12.01	10.14
10.35	8.59	10.25	5.69	12.70
53.14	44.89	49.66	70.13	48.32
23.88	20.78	25.47	28.89	22.46
48.86	55.51	53.34	49.33	52.81
64.19	64.47	53.34	33.26	61.54

32.64	30.94	35.82	38.68	31.64
27.17	25.95	20.80	9.95	25.99
25.97	35.38	31.64	54.52	29.85
47.47	30.57	32.94	18.07	35.67
10.05	27.80	27.27	32.46	20.51
6.97	3.60	6.87	7.10	5.46
139.03	101.60	109.56	136.42	119.68
56.92	52.46	59.31	62.77	53.95
37.12	55.33	52.14	41.46	49.31
3.68	4.25	3.78	5.52	3.91
9.16	10.62	7.76	11.74	8.75
317.37	298.25	276.04	469.87	296.87
2.09	1.75	2.69	1.95	2.20
21.99	26.14	27.56	18.03	23.44
1.79	1.29	1.69	2.25	1.48
34.53	37.13	38.81	55.56	36.84
48.76	51.45	47.86	76.17	50.12
35.03	35.56	33.34	33.67	35.01
7.86	7.57	2.29	11.20	6.77
22.29	24.29	23.38	27.80	25.16
23.69	25.12	23.98	15.32	26.18
238.05	423.59	442.82	429.08	355.32
24.38	23.74	32.54	9.74	31.75
28.76	33.53	32.64	26.00	31.43
55.03	89.50	80.50	83.90	80.06
16.72	17.00	13.73	14.36	17.26
11.44	13.12	10.55	9.66	11.97
12.24	13.02	14.33	23.34	11.89
8.36	9.79	8.66	10.98	9.76
67.37	69.27	67.17	70.06	71.88
8.06	7.94	9.75	10.29	7.95
6.57	8.59	9.45	8.46	8.17
0.90	1.29	1.09	0.39	1.33
6.47	6.47	8.06	8.64	6.98
106.98	127.19	132.25	132.36	119.98
16.22	16.53	19.40	10.72	16.92
42.20	53.85	48.56	40.67	46.66
1.39	4.43	2.39	3.49	2.40
86.38	78.88	82.59	62.28	84.72
29.16	28.26	23.78	23.89	28.70
1.49	1.02	4.08	2.42	1.81
5.17	3.69	8.46	11.51	7.17
0.30	1.94	0.70	0.97	0.89
2.59	2.03	1.59	3.03	2.41
102.01	94.40	127.77	82.64	102.32
19.41	30.76	37.12	23.89	31.13
11.74	17.55	15.52	17.85	15.62

55.03	81.84	69.46	49.65	69.86
3.98	3.97	3.78	3.09	4.10
1.89	3.42	1.00	1.64	1.80
1.29	2.03	1.69	2.24	1.51
16.12	15.33	18.41	15.61	16.95
52.94	59.58	53.24	50.37	57.35
51.45	50.25	46.77	49.53	51.54
5.87	10.07	13.33	19.35	9.50
0.50	2.12	0.20	7.49	0.74
93.95	72.97	108.37	68.61	86.88
175.45	148.71	130.16	47.79	174.76
48.76	38.79	42.59	46.26	43.11
14.43	15.52	18.41	15.30	15.59
1.00	2.22	1.00	0.47	1.18
166.10	119.89	154.94	117.88	140.85
16.92	14.41	15.32	18.50	16.21
0.70	1.02	0.70	2.13	0.79
3.28	3.79	4.88	5.40	4.06
1.49	2.96	2.29	1.31	2.41
7.66	5.73	6.97	5.86	6.54
4.68	4.62	5.08	2.42	4.35
11.94	11.08	15.23	14.93	12.94
10.25	5.73	10.55	8.88	9.00
7.07	5.91	6.07	7.62	7.29
6.27	4.62	4.98	2.71	5.70
121.21	111.39	108.76	62.96	120.60
12.34	12.93	10.65	9.74	15.32
58.42	49.88	46.97	52.48	53.37
1.89	3.51	2.99	3.43	3.17
34.04	36.58	31.35	24.08	34.90
1.39	0.83	1.59	1.02	1.36
10.75	7.85	8.06	14.30	8.50
2.79	4.90	4.08	4.61	3.76
0.40	1.29	2.29	1.50	1.31
1.29	1.20	2.89	1.38	1.76
6.17	21.98	20.30	14.67	14.58
55.13	53.66	55.23	38.94	57.23
38.51	37.59	35.03	24.70	41.29
88.77	90.43	80.30	20.06	92.43
15.13	18.93	16.52	11.60	19.05
42.00	14.96	13.83	77.27	21.55
599.70	477.25	363.81	115.42	534.41
98.62	72.32	109.66	85.21	86.31
16.12	22.44	7.56	8.88	22.58
14.43	11.92	12.04	11.93	13.95
8.66	6.19	24.48	6.19	19.74
42.89	39.07	39.21	48.07	37.84

1.79	4.34	2.29	3.77	3.24
86.88	67.15	76.82	47.44	79.72
8.56	10.25	7.46	9.07	9.16
15.92	15.52	17.41	10.25	16.29
13.24	8.77	11.24	13.67	11.57
9.35	8.22	11.94	21.91	8.58
60.91	56.07	51.45	58.12	55.80
38.71	27.06	33.44	48.15	33.42
35.13	18.75	19.60	3.36	27.97
44.98	29.93	33.14	46.20	34.59
19.41	7.39	9.55	30.72	11.86
2.59	2.12	2.09	7.00	2.43
19.21	15.89	19.60	14.27	18.41
145.60	108.07	139.02	178.26	133.59
262.13	226.85	325.50	396.37	255.96
71.65	50.62	65.18	81.99	58.54
233.47	139.66	164.49	347.78	178.03
76.23	55.33	71.35	83.85	65.34
1.39	1.20	0.80	1.52	1.19
61.01	43.23	100.51	81.58	62.52
18.81	16.81	15.32	19.02	16.97
0.70	2.68	0.50	1.24	1.09
66.68	24.85	29.75	89.92	35.69
19.21	24.75	14.53	4.74	21.69
20.70	18.10	17.41	16.48	18.57
11.74	5.08	4.78	19.72	6.82
48.86	42.03	41.10	57.02	41.55
118.83	157.30	141.40	199.44	131.72
63.79	62.16	67.77	72.65	64.72
249.49	227.22	265.49	291.06	235.74
20.00	18.38	18.61	24.03	18.41
72.65	56.90	72.05	90.16	67.89
84.09	87.10	70.35	68.29	77.34
184.31	164.87	186.78	236.31	177.84
138.03	154.80	179.81	198.12	153.52
274.27	284.39	303.01	228.49	300.43
416.49	483.07	527.60	505.09	451.90
54.14	44.70	50.65	47.16	49.34
54.93	56.62	59.81	54.77	54.30
303.93	397.08	374.46	446.45	343.71
272.08	684.80	612.39	584.48	498.79
30.85	31.50	29.36	44.57	30.47
247.40	235.53	245.19	271.76	239.42
201.72	273.86	273.35	306.07	254.54
296.37	279.68	293.95	328.10	287.77
263.92	216.87	234.74	259.41	237.69
243.92	342.12	332.76	451.51	287.91

2.49	2.40	4.28	6.56	2.92
14.93	10.99	8.96	9.10	11.75
21.79	23.74	17.22	3.25	22.03
6.37	11.73	5.77	3.99	7.89
15.52	17.09	12.94	17.68	15.05
33.34	45.07	50.25	19.61	39.46
50.06	49.51	45.38	52.99	55.33
18.11	0.65	28.56	10.16	11.99
1.09	1.75	1.29	2.01	1.35
20.40	30.30	34.13	82.98	26.57
19.61	18.29	24.38	40.74	19.07
14.63	10.81	13.33	13.87	12.22
0.40	1.39	2.29	1.93	1.46
8.46	12.38	7.76	11.76	8.66
26.57	33.44	27.96	36.25	26.89
42.00	53.39	45.87	61.73	44.34
11.25	11.64	14.63	10.73	12.12
44.78	69.27	66.57	108.44	55.61
1.69	1.94	2.09	1.98	1.90
5.08	5.82	6.47	9.23	6.36
0.80	0.65	0.20	1.00	0.44
6.27	3.60	6.37	5.53	5.89
1.59	2.68	2.39	2.00	1.98
2.09	1.75	2.39	1.47	2.03
0.80	1.94	1.19	1.35	1.17
2.59	5.73	2.29	1.98	3.28
0.90	1.85	1.39	1.13	1.25
17.32	23.00	20.30	24.57	18.78
18.31	29.93	26.77	28.64	23.61
74.34	72.51	61.00	63.29	66.74
55.73	69.09	45.38	39.41	58.62
34.73	149.17	22.19	0.25	107.40
168.58	153.97	123.79	204.99	148.20
9.26	7.30	4.78	3.81	6.97
0.90	1.75	0.90	0.92	1.42
76.03	39.99	69.26	67.28	56.26
17.71	26.97	18.71	15.13	20.55
31.65	18.01	20.20	20.28	22.67
24.58	27.52	25.67	16.66	26.45
22.99	24.29	23.19	17.93	24.25
5.47	6.84	6.37	6.07	6.44
15.13	8.13	12.24	6.63	11.59
9.75	9.51	8.36	9.65	10.09
2.69	2.59	4.88	7.83	3.04
18.61	10.81	11.24	17.54	17.49
1.49	2.68	3.78	0.12	2.52
22.39	25.31	24.38	23.61	24.11

21.79	21.15	25.87	37.03	22.32
48.86	30.02	45.08	29.43	38.22
4.78	3.69	1.89	8.93	3.29
5.87	4.34	2.69	3.65	4.96
10.15	7.57	6.77	4.09	7.83
7.36	14.78	18.21	16.06	13.34
46.48	38.24	44.38	46.12	43.73
6.07	3.97	4.58	4.24	4.92
55.83	25.95	33.34	2.06	41.85
5.47	5.17	7.46	8.49	6.39
14.93	17.55	18.41	15.61	17.84
41.50	30.02	31.35	58.94	34.68
48.76	49.60	37.02	43.50	43.03
17.91	16.16	17.12	9.07	16.37
8.36	10.53	8.46	6.84	9.46
12.54	7.85	11.05	7.16	10.07
29.56	25.40	21.30	37.58	24.93
28.06	30.30	28.36	26.48	27.20
33.34	37.96	34.33	25.47	36.51
22.49	22.44	21.10	28.47	21.27
8.16	7.94	8.56	9.49	7.93
6.47	8.77	15.13	11.50	9.80
271.99	247.26	249.27	250.73	246.11
824.12	765.43	889.72	363.18	860.80
763.91	540.24	623.23	640.83	654.74
11.35	17.64	15.62	5.35	17.91
10.05	9.79	10.15	10.85	9.64
60.11	51.36	60.30	61.42	56.80
30.45	31.87	30.75	24.09	30.65
114.94	113.61	105.88	106.06	105.20
2.59	1.85	2.99	2.62	2.58
85.29	47.85	51.84	78.96	55.97
106.49	229.71	205.69	175.22	169.69
3.09	2.86	3.68	3.51	2.79
604.88	465.71	533.97	568.64	540.92
2.59	2.40	2.19	1.94	2.14
340.45	251.33	361.02	362.88	298.87
109.47	112.13	108.47	81.45	115.32
119.42	95.69	99.71	52.11	104.97
8.16	16.72	16.62	15.30	13.06
0.80	1.02	1.19	1.17	0.88
123.80	145.57	110.95	228.22	125.04
176.55	173.92	155.04	50.43	170.79
3.68	4.25	3.38	3.33	3.43
6.57	7.02	8.46	6.60	7.82
37.92	43.23	48.06	45.91	42.28
67.67	62.25	68.66	62.61	66.03

1620.76	1575.10	1539.02	2399.10	1514.92
29.16	25.68	22.29	16.20	25.82
9.16	8.59	10.95	6.93	9.95
66.38	64.29	59.81	66.76	62.55
0.60	1.75	0.60	0.79	1.02
642.20	567.40	453.07	696.64	524.76
29.96	38.79	33.04	25.12	33.53
4.78	3.05	1.49	15.99	2.68
55.53	66.13	80.70	80.69	65.05
1.29	0.65	1.29	5.48	0.97
8.96	5.73	7.56	8.54	7.11
293.98	334.27	376.05	352.33	332.14
1.29	1.75	0.90	3.04	1.21
17.12	15.52	14.13	10.15	15.76
15.13	14.59	13.83	11.57	13.73
3.58	3.05	4.58	2.18	3.69
4.68	3.79	4.88	4.59	4.19
3.48	4.43	2.89	6.65	3.43
7.36	3.42	4.98	11.99	5.11
72.75	62.90	69.76	61.73	72.09
26.97	22.08	25.38	27.51	25.17
11.74	13.95	14.23	13.96	13.39
60.41	77.03	74.33	64.33	70.65
98.32	82.57	97.02	98.36	90.57
4.78	3.60	3.18	4.45	3.77
65.68	77.77	81.90	90.30	76.41
23.49	22.08	17.91	13.59	22.40
4.78	19.77	17.51	10.34	14.93
67.47	56.25	34.13	5.29	59.13
26.67	30.85	29.06	32.80	28.53
27.57	29.10	33.73	29.42	31.25
42.69	44.70	54.33	53.97	53.14
10.05	6.47	7.66	9.29	8.29
87.28	58.47	26.87	18.73	72.01
3.18	2.12	2.29	2.96	2.72
450.12	236.18	432.47	233.12	317.04
50.56	26.69	56.22	25.45	39.68
6.07	2.77	7.56	6.24	4.80
29.06	28.91	24.18	20.00	31.30
40.60	40.64	36.82	50.20	38.20
34.43	32.51	31.35	56.10	34.17
35.53	26.97	31.74	29.49	32.84
26.57	26.79	29.75	24.24	26.52
23.39	20.32	26.37	24.28	24.05
62.30	36.67	57.02	54.02	50.42
2.49	5.36	5.27	5.75	4.54
35.53	33.99	26.37	28.67	32.87

133.36	111.02	113.04	141.07	116.38
16.62	16.90	18.51	7.78	19.10
222.82	180.02	110.85	13.56	191.31
26.77	19.86	20.70	27.08	21.25
52.05	42.30	33.44	20.99	48.46
21.10	20.04	14.23	5.29	18.23
7.96	6.37	6.17	6.59	7.11
14.93	13.21	14.13	19.77	14.17
4.38	3.79	3.28	3.82	4.22
14.03	16.16	12.54	5.47	15.92
6.77	5.26	5.57	1.52	5.51
3.18	3.79	2.99	3.27	3.37
1.89	2.03	3.48	5.77	2.55
42.40	52.65	45.48	36.15	47.63
12.54	10.16	14.23	4.96	13.40
1.49	3.51	2.99	2.50	2.79
80.51	63.64	60.60	46.44	72.31
25.87	26.88	24.78	6.32	29.01
52.15	35.01	40.40	23.71	44.89
173.16	143.07	138.82	52.17	161.02
10.15	8.22	5.77	11.14	8.91
66.18	95.97	104.19	80.87	98.72
37.62	44.06	40.20	46.52	39.06
34.83	38.70	35.13	28.67	34.11
18.01	19.49	23.09	27.41	18.49
18.41	19.49	19.30	31.31	19.00
9.35	6.65	7.66	9.33	8.00
9.26	7.57	8.96	8.56	9.16
7.07	7.20	7.56	6.31	7.92
23.49	21.52	26.57	18.01	22.44
15.03	10.53	9.75	15.64	11.51
20.70	17.73	17.51	15.37	19.80
21.79	20.69	23.88	24.38	21.11
32.24	28.54	25.67	30.61	30.36
35.83	28.54	32.54	23.33	32.31
28.36	23.18	33.83	40.74	27.03
25.78	18.93	24.98	15.30	22.69
36.52	46.74	21.20	39.96	33.34
157.34	152.86	141.80	113.05	153.00
1022.95	690.34	1023.46	3044.10	905.03
16.02	13.85	14.83	10.97	15.00
6.27	17.83	19.11	12.42	12.79
204.51	238.49	255.04	333.22	224.70
3.78	3.88	2.69	16.57	3.06
10.75	52.28	18.81	1.72	32.14
18.71	25.03	11.05	12.28	15.62
513.12	456.10	506.21	12.25	493.29

15.52	28.63	11.94	6.39	53.23
185.30	148.99	133.34	77.39	157.12
1.79	3.42	3.68	3.15	3.39
13.34	23.09	18.01	17.01	18.79
3.48	3.23	2.89	3.53	3.09
6.17	4.90	3.98	2.96	6.00
18.71	16.35	21.10	79.93	18.08
77.82	78.42	110.75	92.06	89.26
27.17	28.26	28.46	17.18	26.06
5.27	6.19	21.49	4.42	10.13
79.22	60.22	63.39	64.34	67.60
48.27	31.03	39.41	51.01	38.01
17.12	20.60	17.31	16.97	18.71
31.55	34.82	32.64	13.66	35.96
28.66	37.32	28.06	19.99	37.40
12.64	12.75	14.43	13.97	12.70
2.59	3.33	2.69	4.38	3.07
2.49	3.05	3.28	2.75	3.09
19.61	24.01	22.69	23.10	22.20
21.60	23.83	20.80	14.28	22.40
20.60	18.93	21.69	22.93	19.98
62.40	44.98	54.53	24.73	51.84
76.13	61.52	76.82	30.21	70.44
4.38	6.47	3.28	26.37	4.54
31.85	24.01	42.69	58.13	31.14
86.58	98.37	80.70	27.63	92.20
9.55	11.45	11.15	7.10	11.19
0.60	1.57	1.59	1.26	1.13
6.07	4.71	2.79	0.00	5.38
5.67	5.91	7.96	9.99	6.94
1.99	2.12	0.20	0.03	1.74
286.02	245.04	220.61	100.33	253.33
1.99	2.22	4.88	0.06	3.06
48.47	35.47	49.16	13.88	44.29
1.89	2.59	1.79	3.51	2.04
4.28	3.88	5.77	1.72	4.30
0.60	1.66	0.90	1.21	1.04
1.79	1.29	1.19	4.11	1.32
10.15	7.11	9.35	3.45	10.22
15.23	7.57	10.75	0.26	8.96
0.90	1.66	0.30	0.92	1.03
45.68	83.22	34.93	3.43	68.77
3.38	3.60	4.68	5.24	4.37
59.81	58.01	49.95	6.90	59.94
79.02	118.69	115.33	0.59	119.52
6.17	10.16	5.87	0.93	8.17
262.93	287.44	287.19	375.32	275.14

1.19	1.94	0.50	1.54	1.38
1.89	3.69	3.28	3.40	2.82
60.41	52.28	54.93	80.00	55.29
103.60	102.99	102.40	180.68	98.27
37.42	34.64	36.42	35.29	37.13
28.76	29.83	32.54	25.49	29.76
12.54	15.42	19.40	11.38	14.84
3.58	5.36	6.57	6.17	5.01
1.19	1.48	0.90	0.50	1.18
2.39	2.49	2.89	2.16	2.45
31.35	25.59	28.96	45.53	29.24
12.94	7.85	11.84	7.63	11.50
14.03	14.87	15.32	10.01	15.63
42.99	33.44	43.39	36.04	37.85
21.70	16.81	8.56	3.58	15.65
38.51	45.07	53.24	58.03	43.96
130.97	85.07	105.08	188.01	105.66
30.05	21.15	27.37	48.72	25.23
41.50	45.17	50.05	40.30	44.25
6.87	9.42	6.67	7.61	8.55
52.84	62.25	56.22	61.17	56.59
8.66	6.93	5.67	7.85	6.99
31.95	11.92	15.42	40.17	18.45
16.12	18.20	12.34	23.58	15.77
10.45	11.27	10.45	11.10	10.85
9.45	10.16	8.46	8.95	9.04
35.93	35.56	37.52	30.74	35.21
7.96	8.68	8.06	6.85	7.85
1.59	1.39	1.79	3.03	1.48
2.49	4.53	1.99	0.57	2.50
6.97	4.62	5.77	3.53	5.76
51.85	49.97	61.60	56.27	54.96
18.31	14.22	15.72	10.96	17.27
7.56	8.68	10.35	8.80	10.72
6.27	6.65	4.88	6.47	6.75
11.74	8.04	8.46	11.06	9.55
11.64	12.47	16.42	7.97	13.73
56.92	68.44	55.83	47.82	61.65
27.57	17.64	24.58	21.88	21.23
58.42	44.24	40.40	41.37	47.16
20.10	22.72	15.42	16.94	19.36
8.86	7.48	3.48	1.50	6.28
4.38	4.80	4.48	6.96	4.65
19.01	41.75	32.44	27.32	27.72
23.39	20.87	19.60	14.99	21.93
166.99	179.19	180.01	172.03	172.14
120.92	101.42	107.47	141.18	111.68

113.35	181.87	167.87	172.75	158.01
100.81	111.39	123.39	113.88	112.97
7.56	16.26	8.86	0.22	12.21
48.76	64.75	68.96	82.01	57.11
44.39	47.85	53.04	42.94	46.64
6.87	5.45	6.77	9.32	5.97
28.26	30.20	30.15	37.57	29.41
62.30	72.14	71.85	67.60	68.21
22.89	26.60	23.68	22.77	24.80
15.92	13.85	15.03	12.34	14.74
50.26	41.01	47.57	34.38	45.85
25.87	21.80	22.19	27.81	22.74
36.72	48.95	49.06	46.02	45.46
9.35	12.56	12.84	12.12	11.59
3.98	5.54	3.88	3.47	4.52
34.53	32.97	39.31	52.59	34.72
30.65	27.89	22.89	18.17	27.08
24.58	22.91	26.77	27.53	24.31
1.69	10.25	7.16	1.51	5.63
15.13	14.87	10.85	6.19	13.94
15.23	18.84	13.73	17.24	15.64
12.74	13.02	9.95	17.16	11.74
26.57	40.18	36.82	24.05	35.77
76.33	65.76	67.77	52.80	70.55
130.87	129.87	112.35	106.60	119.34
26.37	25.40	23.09	30.70	25.06
73.54	70.29	78.71	76.77	72.18
15.92	12.38	10.65	16.89	14.00
6.87	6.47	7.76	9.54	7.51
11.25	10.71	17.02	13.22	12.33
5.87	3.97	4.88	7.28	4.72
2.89	1.11	1.09	0.85	1.62
40.31	38.05	39.80	31.12	39.33
4.38	2.40	3.18	1.47	3.34
4.38	2.68	8.66	5.62	4.94
516.60	480.67	477.75	505.99	473.62
1.00	1.66	1.29	0.95	1.15
69.76	23.46	35.72	112.62	38.05
138.23	125.99	179.12	192.64	139.62
27.87	32.42	39.01	42.31	31.55
20.50	22.63	17.12	18.27	18.88
21.50	24.20	24.08	14.69	23.38
1.19	1.29	1.09	1.44	1.15
30.05	26.69	25.28	13.13	28.08
44.48	36.95	43.78	23.08	45.38
70.36	68.44	74.53	48.05	72.12
76.83	75.83	64.48	96.02	74.43

2.09	2.40	1.99	0.16	2.38
15.72	17.36	10.35	7.39	15.82
27.77	29.19	31.25	29.42	30.45
151.57	236.64	172.45	140.30	195.97
54.44	58.01	51.15	21.74	58.51
49.86	59.21	59.81	58.98	55.07
1.09	2.03	1.09	0.36	1.91
2.69	1.39	1.79	1.92	1.94
8.76	12.28	9.55	5.11	10.43
6.47	9.51	7.56	5.30	7.59
36.13	30.48	31.54	37.37	31.77
130.57	165.24	291.76	235.94	181.84
24.78	19.95	22.09	13.71	23.46
95.84	73.34	87.87	61.44	83.26
3.88	5.73	4.18	4.60	4.74
52.05	49.32	43.78	33.73	47.43
19.21	17.73	21.39	18.88	20.36
160.32	114.99	166.48	241.76	141.58
1.69	4.25	8.16	6.83	4.06
398.47	335.75	353.66	493.34	371.94
0.80	0.46	0.50	1.23	0.79
9.75	5.36	6.47	5.33	8.01
6.07	6.56	6.57	8.28	7.42
4.28	5.63	5.77	2.98	5.50
119.52	119.06	113.84	90.61	118.60
27.57	27.89	29.16	26.59	28.04
2.69	4.25	2.59	3.06	3.04
87.28	88.86	82.49	104.51	84.83
110.07	75.28	96.82	119.91	88.35
11.15	10.53	11.74	11.07	10.47
76.53	84.61	42.89	50.10	66.00
597.51	487.69	611.39	252.81	560.17
29.36	22.63	29.36	71.84	31.61
12.04	18.10	57.82	31.34	24.61
2.89	4.34	2.99	3.35	3.37
4.58	3.60	4.68	0.45	5.14
135.94	99.48	94.53	44.78	111.09
392.20	288.83	405.70	307.35	365.56
25.48	33.53	22.09	20.22	28.58
24.18	40.36	27.07	46.34	35.12
592.54	491.01	447.70	116.22	589.76
457.99	370.94	464.31	484.19	417.79
19.51	21.52	21.99	17.29	19.98
1.09	1.02	1.19	1.40	1.21
1.69	3.97	1.00	1.64	2.26
3.58	3.51	4.48	5.41	3.90
1.99	2.22	0.70	9.99	1.86

82.80	54.50	59.51	82.66	64.95
7.56	8.68	15.42	39.22	10.76
23.88	27.34	25.28	5.95	27.71
52.05	63.36	41.10	58.25	50.90
5.27	1.94	2.69	0.87	3.01
916.97	633.16	746.62	459.14	776.60
587.66	514.84	462.22	414.15	491.94
10.85	10.62	10.55	8.31	11.10
12.64	10.25	10.95	5.82	11.14
55.03	77.40	61.80	15.85	63.24
15.13	13.76	15.03	10.22	14.80
26.37	71.21	32.34	36.83	52.43
53.44	60.68	52.64	62.09	53.40
2.99	4.06	2.59	4.00	3.29
3.28	6.37	3.48	0.79	4.99
32.94	27.52	21.49	8.19	27.62
6.97	6.74	8.46	7.03	7.03
451.42	842.65	814.29	691.32	708.85
34.73	39.72	23.88	33.84	33.99
32.24	30.39	29.16	25.20	30.65
56.43	74.17	73.64	46.70	68.20
599.20	481.96	482.72	310.29	519.58
28.56	35.93	31.94	38.31	32.06
1.09	1.11	0.40	0.10	0.97
15.72	18.38	11.94	28.91	15.87
98.62	99.29	95.33	76.58	93.01
7.86	4.53	7.66	5.16	6.37
23.59	55.88	25.08	30.68	32.35
14.33	10.07	11.84	13.40	12.25
194.06	204.22	187.08	190.75	187.91
176.84	176.51	197.63	83.53	181.18
1.89	5.08	6.07	14.94	3.67
0.00	1.20	1.69	2.80	0.85
32.44	25.12	24.18	36.72	28.14
43.09	48.95	47.67	60.99	46.10
17.81	27.25	20.70	27.09	21.90
21.70	16.63	23.38	45.02	18.87
1.09	2.77	2.29	2.63	2.08
32.44	27.34	15.72	8.99	29.14
33.04	34.08	39.80	37.34	32.60
138.33	142.70	150.86	142.02	146.20
16.52	19.58	20.10	11.76	17.49
6.87	7.57	5.67	6.42	6.76
4.28	5.63	5.57	3.76	4.79
124.50	106.59	138.22	61.58	135.73
35.43	33.62	26.57	31.11	33.56
27.07	16.63	23.68	46.47	20.41

18.91	8.13	8.06	0.15	12.37
24.58	30.48	26.97	26.28	27.86
31.55	26.79	29.16	27.40	29.13
12.74	30.20	18.31	10.61	21.78
19.61	26.97	25.77	18.04	24.84
65.98	159.24	110.36	106.23	116.76
221.03	246.25	170.86	17.20	228.82
118.53	126.26	142.90	109.75	132.31
10.75	12.93	6.97	3.46	11.95
22.39	15.89	17.51	15.63	18.34
235.16	157.39	181.90	467.28	184.46
93.95	92.55	68.66	50.19	80.49
0.10	0.28	0.50	1.38	0.31
55.23	55.23	56.92	51.92	56.97
32.05	40.73	40.10	26.34	38.45
32.54	32.97	34.93	30.75	33.70
18.01	18.57	19.50	17.90	19.48
206.40	174.11	206.78	128.90	195.94
10.85	10.90	15.03	8.30	11.94
150.27	179.65	157.33	93.59	150.76
17.52	18.10	21.20	16.43	19.06
90.36	110.01	87.47	103.21	96.99
52.55	48.31	46.27	66.89	47.83
48.37	45.17	42.79	54.66	44.34
29.06	29.10	31.64	20.56	29.84
36.92	41.10	31.05	32.97	37.91
11.35	8.13	9.25	8.92	9.27
2.99	1.29	1.39	3.17	1.70
14.43	10.62	9.95	17.89	11.18
1.79	1.20	1.39	3.08	1.82
1.29	1.02	1.29	4.91	1.09
1.89	3.97	1.19	1.54	2.62
82.30	105.48	131.15	117.00	92.96
37.62	27.34	33.73	50.96	32.44
9.65	13.49	13.73	12.43	12.03
17.61	32.05	27.96	36.35	25.91
22.09	19.12	5.57	2.72	18.26
40.31	39.07	37.02	31.51	39.17
4.28	7.39	7.36	4.55	6.53
0.50	2.22	0.80	2.63	0.88
0.50	1.02	0.40	2.85	0.51
151.47	194.34	236.34	299.78	176.31
6.47	4.16	3.68	4.49	4.62
1.00	1.02	1.49	1.20	1.22
11.05	10.71	4.68	0.25	12.17
26.57	15.24	13.33	2.66	25.59
3.28	5.36	4.08	3.52	4.32

1.00	0.83	1.19	3.26	0.85
11.15	13.67	9.06	12.38	11.28
7.36	8.68	9.95	8.10	8.55
4.08	4.06	3.78	3.86	4.02
3.58	3.60	5.67	7.06	4.32
6.77	6.74	7.46	16.60	7.48
1.79	1.11	1.39	0.92	1.26
1.09	0.83	0.30	1.07	0.59
0.70	1.02	1.99	1.34	1.27
2.19	8.87	3.58	0.06	4.20
4.68	7.30	4.08	2.49	4.87
2.49	8.59	9.06	26.82	6.71
1.09	1.29	1.09	2.43	1.00
14.63	10.44	15.72	24.25	13.67
11.94	10.44	8.36	1.76	11.00
31.55	23.65	14.13	8.26	30.12
10.15	11.45	10.15	18.18	9.80
80.71	128.39	117.92	81.98	108.37
0.20	3.51	1.69	0.25	1.67
0.80	0.65	1.59	1.21	0.79
2.89	2.12	1.19	15.22	1.93
10.55	4.34	11.34	3.30	8.39
5.47	1.48	2.49	0.18	2.90
2.59	2.03	2.59	1.66	2.40
3.09	5.45	3.18	1.38	3.50
38.22	32.33	26.27	30.81	34.65
2.09	11.55	5.37	3.91	5.67
0.40	0.37	0.10	1.06	0.50
0.60	1.48	1.09	1.05	1.11
50.46	65.76	50.45	59.14	53.88
15.52	17.64	10.55	15.27	14.59
109.07	136.79	91.95	32.86	111.54
3.48	1.85	2.99	3.15	3.18
42.00	62.25	66.37	59.15	54.21
9.85	6.28	5.08	7.00	7.20
19.41	28.82	19.60	32.25	22.73
3.28	2.59	3.48	2.88	3.29
44.09	40.64	37.02	47.48	41.14
0.80	1.75	0.40	1.20	1.12
109.97	102.62	106.97	90.34	107.26
14.73	15.06	14.43	22.01	14.49
8.66	7.76	7.16	7.29	7.82
11.05	15.89	13.83	17.74	15.15
72.35	53.29	67.37	80.06	62.74
67.47	54.68	52.84	64.83	58.74
65.88	58.56	58.01	84.93	57.55
82.80	59.39	67.07	82.92	68.38

245.91	203.39	226.68	361.34	212.91
111.06	99.57	116.73	195.10	104.06
52.05	54.59	45.97	50.41	52.89
8.76	12.38	12.14	8.81	11.92
179.13	195.08	175.44	170.84	180.63
18.71	24.38	24.78	24.87	22.78
78.52	90.98	89.56	43.42	83.29
102.31	103.26	95.63	110.06	99.99
82.40	76.11	78.12	94.35	79.11
55.83	55.33	52.24	45.64	54.01
15.92	16.81	15.23	14.33	16.35
46.08	49.78	40.40	43.30	47.32
109.07	131.16	99.11	119.28	111.32
124.30	153.14	138.72	118.74	135.35
65.38	37.96	41.79	35.78	45.53
46.18	47.38	50.95	22.67	48.09
63.29	86.73	76.42	16.94	73.78
4.38	1.94	1.79	3.25	2.94
2.59	5.36	0.80	2.89	2.50
22.09	18.38	20.90	15.23	20.49
38.31	33.25	33.63	32.32	35.52
99.12	80.08	88.37	110.35	88.70
1.09	3.88	0.30	0.37	1.73
4.58	5.17	5.17	6.65	4.90
41.90	46.37	41.89	28.74	45.73
65.18	62.90	69.16	84.50	66.45
165.60	105.57	113.14	49.51	123.10
43.79	50.15	51.94	53.38	49.54
25.87	11.73	15.52	52.92	15.43
43.79	39.16	46.27	34.04	43.01
18.01	13.85	21.20	19.74	15.57
39.91	42.58	37.12	35.23	40.48
0.50	2.59	1.39	2.12	1.31
68.27	74.26	78.12	76.70	76.50
4.68	5.54	1.79	5.97	4.14
23.79	22.44	16.52	18.44	21.87
47.87	51.08	49.85	49.36	49.01
98.13	114.07	101.80	92.73	107.04
7.26	9.05	9.55	7.99	8.39
8.16	2.49	4.78	8.87	4.80
65.58	67.43	72.44	54.65	66.89
26.87	26.51	22.49	17.51	26.04
46.48	49.88	39.41	25.79	45.75
21.00	17.36	15.32	17.25	17.81
10.05	12.38	9.75	10.62	12.50
2.19	2.77	2.59	2.76	2.71
1.00	1.29	1.39	1.91	1.33

49.56	59.39	62.29	55.73	55.56
83.00	67.70	81.00	59.88	77.84
22.09	14.96	24.48	42.03	19.71
69.07	78.23	71.95	62.37	71.48
59.11	74.17	62.39	66.18	66.22
8.46	6.37	7.86	8.72	7.31
4.98	4.90	5.77	5.44	5.08
74.64	58.93	60.20	83.54	62.90
0.70	1.02	0.30	1.28	0.82
33.94	46.27	62.19	126.75	40.72
4.28	8.87	4.18	2.17	5.53
9.85	12.01	11.15	16.87	10.78
96.83	111.58	110.46	114.26	103.61
5.27	4.25	2.19	6.01	3.94
37.52	39.07	41.99	44.85	38.42
17.61	13.95	16.02	10.88	15.40
15.43	8.87	9.55	22.41	10.61
77.53	79.53	106.28	37.38	88.66
41.20	36.30	34.93	24.77	41.18
11.25	17.00	14.23	16.74	13.87
1.99	2.31	1.39	2.96	1.71
49.16	48.12	28.56	6.72	48.32
53.04	41.84	39.90	51.94	46.73
1.00	3.14	2.29	2.72	1.89
2.09	1.11	1.99	4.90	1.61
2.49	3.14	5.47	12.85	3.56
36.03	31.31	33.24	41.68	32.85
25.28	23.46	28.86	41.57	24.20
38.51	38.42	43.78	43.33	42.24
117.43	133.28	111.55	133.04	121.63
73.05	28.36	31.74	124.53	39.00
3.18	2.31	6.27	9.14	3.22
162.91	135.78	132.25	122.55	147.51
26.17	12.84	12.44	41.25	15.51
25.97	10.90	16.42	46.89	15.72
18.51	19.03	14.53	10.56	18.48
0.70	0.74	1.09	1.50	0.82
9.06	2.96	4.88	11.45	5.17
14.43	7.85	9.55	35.79	10.55
0.90	1.20	1.69	1.64	1.17
2.09	5.73	3.98	2.25	5.38
93.95	96.24	75.23	113.12	91.01
48.07	37.04	37.02	35.42	42.08
137.63	127.28	108.37	92.70	127.51
54.14	23.28	20.10	86.09	29.78
14.83	7.39	7.66	20.15	9.65
99.62	96.98	121.10	126.35	99.76

1.79	4.53	3.58	2.62	3.39
30.45	11.45	13.73	45.05	16.40
53.04	22.44	25.18	94.20	30.47
6.67	4.16	6.17	11.85	5.89
0.70	2.86	2.59	3.34	1.95
317.37	186.02	271.86	975.51	242.36
19.41	22.35	20.80	24.16	20.78
27.67	30.30	30.25	37.88	27.92
14.43	6.10	5.97	22.58	8.90
19.70	18.38	19.50	13.35	19.16
51.05	71.49	67.17	67.27	62.55
6.27	5.82	2.79	7.91	4.70
37.62	12.47	15.23	55.07	19.86
79.12	84.98	74.43	115.45	78.79
58.62	65.21	96.23	65.96	71.87
1.29	1.29	1.79	2.57	1.57
44.88	40.09	40.20	33.53	39.63
43.69	21.80	23.88	70.77	27.77
14.33	27.06	23.29	16.67	20.49
33.64	18.47	25.57	36.70	27.72
4.18	4.43	5.87	4.65	4.57
48.57	54.50	39.41	62.91	47.80
2.09	7.48	2.49	2.28	3.52
10.35	11.08	11.24	11.53	11.39
85.39	81.93	91.55	91.99	84.54
16.42	19.95	19.40	19.38	18.55
14.73	20.23	19.40	18.95	17.16
97.13	292.43	233.35	174.48	197.08
29.66	33.44	38.21	57.40	29.46
4.98	7.85	7.07	10.05	6.84
1.39	2.03	0.90	1.21	1.59
3.58	3.42	4.68	6.18	3.68
25.18	21.71	21.89	26.38	23.60
33.54	37.13	31.54	29.41	32.75
50.66	32.60	32.84	46.74	37.20
29.06	28.45	26.67	18.45	27.80
102.40	206.34	153.54	38.87	166.27
55.83	57.64	32.64	4.80	58.88
28.76	25.95	18.61	29.35	24.80
8.36	10.81	10.55	10.94	9.99
4.28	8.13	2.89	1.45	5.84
11.84	15.24	10.95	17.55	12.70
21.99	19.95	22.99	34.12	22.04
23.69	29.46	27.46	33.43	26.06
57.12	56.16	55.03	50.83	56.19
12.34	13.21	12.84	13.90	13.35
7.46	12.28	6.97	12.62	9.24

7.26	6.84	6.47	14.93	6.72
17.42	14.96	16.22	15.30	16.16
9.06	8.77	7.76	9.57	9.02
2.29	3.14	2.79	6.27	3.32
7.66	6.37	7.56	14.45	6.88
6.37	10.16	12.54	12.66	9.63
19.61	15.24	17.31	17.43	16.42
18.81	20.97	16.62	20.66	21.17
28.56	26.42	26.57	24.11	25.44
29.96	27.62	23.58	36.23	25.75
27.57	30.57	31.25	41.41	27.90
1.09	1.66	2.29	2.22	1.80
10.55	11.08	9.06	5.06	9.88
3.88	2.77	1.49	1.83	2.54
3.09	1.39	1.59	1.69	2.27
12.94	14.59	13.43	14.74	13.93
7.56	5.63	6.77	20.82	6.41
3.68	4.71	1.79	11.86	3.08
2.49	2.86	1.99	3.56	2.18
0.90	1.66	0.90	0.31	1.31
9.95	13.39	9.65	11.50	11.31
2.29	4.99	3.58	3.32	4.01
6.87	7.11	8.56	6.18	7.43
32.84	36.11	36.12	30.70	35.36
12.34	10.62	9.95	10.48	11.51
6.97	7.67	8.16	9.26	7.62
34.73	36.30	35.82	50.44	34.51
1.00	0.00	0.20	1.50	0.36
112.16	111.48	131.85	120.83	127.48
41.70	46.00	45.87	47.83	43.72
150.97	181.31	195.74	178.78	183.05
157.34	211.89	199.92	217.46	192.41
176.75	187.69	177.13	134.21	201.27
37.52	33.44	31.05	47.88	33.17
35.63	37.13	36.32	28.51	36.23
4.38	5.91	4.98	6.87	4.95
7.96	6.65	8.76	8.01	7.58
20.80	9.14	15.23	31.21	13.56
28.86	25.86	22.29	68.75	21.75
33.84	48.68	47.96	38.02	42.59
50.56	20.60	21.69	63.51	30.25
13.73	15.70	14.53	11.76	15.32
26.67	39.07	28.96	35.37	31.98
5.27	8.59	5.47	12.06	6.29
26.47	27.80	26.27	25.41	26.64
318.76	698.93	416.65	641.98	537.44
9.55	11.27	11.15	11.58	10.01

32.34	22.63	14.93	16.02	25.40
29.96	19.12	36.92	29.40	27.81
4.98	6.28	5.77	5.07	5.77
46.48	47.20	43.88	39.72	46.70
9.95	10.07	7.26	10.15	9.44
12.44	13.58	13.14	6.62	13.80
21.99	19.30	21.49	19.34	21.38
17.22	19.86	19.70	18.44	18.46
1.79	1.66	3.68	0.76	2.45
0.90	2.22	0.50	3.93	1.53
26.37	19.58	22.59	22.07	22.31
1.00	1.39	0.80	1.00	0.83
11.35	13.12	14.43	4.12	11.55
97.63	99.57	81.10	60.08	94.58
21.00	18.01	20.70	21.78	19.66
1.49	5.45	1.09	1.40	2.45
2.19	2.49	1.49	0.31	3.28
18.41	22.44	15.72	13.25	20.05
5.37	4.25	5.67	5.48	4.71
19.01	32.70	27.27	37.65	25.46
11.25	7.67	6.97	15.32	8.90
28.56	85.53	66.67	53.42	60.09
18.11	22.08	16.12	24.29	18.97
4.38	4.53	3.28	4.28	4.06
2.49	1.39	1.89	1.89	1.79
5.37	5.08	4.78	4.44	5.32
1.59	1.20	3.58	1.92	2.04
8.86	7.02	8.86	7.84	8.42
1.00	1.66	1.79	2.71	1.36
9.75	33.81	10.15	0.80	17.12
20.40	24.85	20.90	79.58	19.12
171.67	195.35	149.27	170.90	171.78
105.89	118.23	92.25	101.74	105.26
237.45	287.81	222.31	247.64	246.90
6.97	16.07	5.08	5.01	8.23
130.27	185.65	182.20	62.96	153.26
393.50	350.25	258.23	293.09	340.37
162.91	151.39	124.19	46.32	155.17
141.81	223.25	156.03	60.67	161.40
7.56	6.93	2.19	1.77	4.80
376.28	643.60	728.02	490.04	590.86
195.26	187.41	206.09	143.41	191.85
26.37	23.55	22.89	19.21	24.58
14.23	10.44	15.03	12.92	12.58
28.56	27.16	27.46	23.99	27.90
21.70	21.98	22.59	18.81	21.84
9.95	10.44	9.06	8.96	10.27

75.34	78.14	76.82	75.95	73.61
16.22	15.33	17.31	19.23	16.38
40.50	36.30	39.11	36.21	37.91
572.13	356.99	466.50	445.86	444.68
19.70	24.01	22.09	15.04	20.62
57.92	82.48	67.37	37.34	69.90
16.82	13.21	13.04	13.93	17.99
245.71	372.97	294.55	293.52	317.01
9.85	11.45	10.85	13.35	10.91
9.26	14.78	12.94	11.95	13.22
32.64	30.20	27.46	29.27	30.50
13.04	10.07	9.25	9.55	11.85
16.52	15.70	15.13	13.30	14.77
56.43	56.90	64.08	51.03	58.37
17.91	17.73	20.70	15.98	18.98
49.06	56.53	62.89	57.64	54.40
239.54	198.49	165.29	196.09	197.14
10.65	6.84	4.48	0.22	8.71
47.37	51.91	48.16	53.73	48.60
33.94	29.19	22.79	26.40	28.42
1.39	0.18	0.60	1.06	0.99
1.19	1.29	1.09	0.47	0.99
53.84	52.93	54.83	46.62	55.42
13.14	12.01	11.34	9.97	13.07
22.69	117.49	33.14	0.23	58.48
15.13	8.77	10.55	15.13	11.33
0.20	0.46	0.90	1.28	0.64
1.29	0.92	0.50	1.36	0.87
30.15	35.19	31.05	40.66	33.63
1.59	1.94	2.09	1.45	1.85
3.68	7.85	8.46	7.29	6.83
26.97	24.75	24.38	19.14	25.56
2.29	1.75	2.79	3.37	2.72
154.75	159.98	140.51	1.47	157.53
10.55	7.11	7.07	13.37	8.30
1.99	4.80	1.89	1.14	2.58
2.79	4.43	1.19	5.14	2.55
1.59	2.59	1.29	1.34	1.78
74.54	84.33	70.75	81.91	76.28
0.80	1.75	1.79	1.78	1.12
127.09	109.82	129.66	86.94	117.24
72.35	56.53	66.97	51.26	64.78
1.79	0.55	1.79	2.97	1.29
157.04	103.36	134.14	209.24	131.91
16.12	17.18	18.01	39.19	16.08
78.62	51.45	77.02	52.17	65.60
20.80	18.57	16.02	6.32	21.64

2.19	3.23	3.08	11.26	2.47
28.56	32.79	38.71	42.47	32.65
1283.30	781.32	748.42	3410.74	957.72
2.49	1.66	1.19	1.13	1.68
35.33	33.71	34.13	37.28	33.91
50.36	42.58	45.68	57.54	45.13
3.98	5.08	4.48	3.69	4.17
154.95	191.01	229.37	225.36	186.51
8.26	11.36	11.74	11.16	10.08
11.25	8.68	9.15	14.48	9.45
95.14	76.66	83.89	83.80	81.32
15.03	14.96	13.53	13.25	15.14
22.39	18.66	14.83	22.46	19.34
7.96	10.81	12.24	10.40	10.12
0.60	2.12	0.80	1.71	0.97
13.83	10.71	9.85	7.03	12.23
51.65	37.04	40.90	71.98	40.54
910.30	631.87	707.42	358.26	772.38
49.06	45.81	44.48	14.50	47.18
3.09	4.62	5.08	4.46	4.20
18.31	29.74	23.19	18.78	24.85
2.59	4.71	1.00	0.68	2.26
122.51	118.69	150.06	53.58	132.06
145.70	89.78	126.88	135.95	116.47
239.64	414.35	614.87	529.77	409.55
0.40	0.46	1.29	0.89	0.76
0.60	0.28	0.10	2.30	0.27
2.39	3.14	2.49	4.11	2.48
2.49	5.08	3.88	0.61	4.03
1.59	1.66	4.48	9.04	2.75
16.92	16.35	14.83	23.01	16.82
1.39	1.66	2.49	3.23	1.73
12.74	14.96	16.12	13.69	13.95
19.51	21.24	8.26	0.13	30.21
19.70	14.13	10.95	5.65	16.03
29.16	23.46	32.34	52.06	25.15
23.29	24.29	22.99	24.59	24.40
15.13	19.30	15.32	17.28	16.16
14.33	23.46	14.03	17.23	18.29
243.72	235.25	166.38	206.64	208.63
45.58	39.26	65.58	72.30	48.94
3.09	2.03	1.99	2.13	2.82
5.08	5.82	5.47	2.28	5.54
23.19	16.72	22.49	18.71	19.64
50.95	37.50	51.35	61.00	43.06
5.47	8.87	6.67	6.17	7.78
8.36	7.67	6.77	4.67	7.94

10.35	8.87	7.26	13.94	8.86
34.13	28.26	35.03	49.65	31.33
2.69	2.03	2.59	1.52	2.36
111.66	94.95	94.73	107.59	99.49
7.96	4.71	7.07	12.84	6.01
1.89	0.46	0.90	14.46	1.06
10.95	13.95	12.34	9.59	12.40
5.47	9.51	11.15	13.58	7.45
5.77	6.10	5.87	7.23	5.44
1.59	2.77	2.09	1.39	1.96
1.00	1.11	1.00	1.90	1.15
130.97	93.94	123.49	118.17	117.43
0.50	0.83	3.88	3.95	1.55
123.50	118.04	118.91	113.04	115.49
58.62	56.90	56.52	71.86	54.31
18.41	13.30	9.06	10.83	13.82
13.93	10.62	16.22	16.55	13.70
103.30	83.22	100.90	231.51	90.80
114.65	94.49	97.82	100.14	103.57
16.52	13.67	14.33	23.13	14.32
13.04	10.34	12.34	10.43	12.02
9.06	30.11	9.65	8.29	14.73
23.19	15.15	20.10	11.66	19.88
11.54	10.53	12.54	17.80	11.68
29.56	32.79	50.15	68.92	35.73
12.74	16.90	22.49	23.34	16.32
48.96	53.20	55.23	85.18	49.80
8.16	7.20	6.67	9.87	7.72
203.52	140.30	155.43	190.86	162.63
116.14	144.27	164.39	507.39	128.17
83.00	43.69	50.45	153.40	52.27
1.59	1.57	0.90	0.10	1.24
46.97	125.25	94.44	95.56	89.90
71.65	40.36	38.61	109.06	51.89
5.17	5.26	1.99	1.77	4.46
18.11	15.52	15.82	14.71	17.57
1.09	1.39	0.30	1.27	0.79
1.19	0.92	1.99	4.83	1.15
0.30	0.55	0.90	1.12	0.69
8.66	7.76	10.95	14.71	8.29
232.48	170.04	194.14	168.54	204.63
68.07	70.11	53.34	36.26	71.96
40.60	37.50	35.03	37.07	38.26
23.09	24.94	21.49	22.33	22.46
1.29	1.48	0.50	0.59	1.39
50.56	30.94	94.24	88.66	62.62
9.55	8.77	8.66	7.37	8.80

1.09	1.02	0.60	1.49	1.18
15.43	22.17	18.31	15.02	19.69
0.00	4.71	0.70	2.42	1.48
0.70	1.85	1.49	1.60	1.32
10.85	8.77	8.66	9.28	9.28
1.29	1.85	0.70	0.13	3.45
12.94	14.32	14.53	11.38	14.08
2.19	1.57	1.19	1.16	1.84
0.00	0.00	1.19	1.22	0.46
2.39	0.00	3.38	3.78	1.44
0.60	1.29	1.59	0.90	1.19
5.17	12.10	11.54	9.51	9.79
0.80	0.83	0.40	1.48	0.73
1.99	1.29	1.79	1.11	1.52
13.63	14.41	15.52	19.46	12.44
3.09	5.54	5.47	6.80	4.38
2.19	1.66	2.89	3.26	2.22
10.55	8.13	11.64	6.67	10.11
11.84	27.99	34.93	35.16	24.34
2.59	2.40	1.69	1.66	2.27
8.06	6.74	6.47	6.04	6.96
0.70	1.20	1.19	1.03	1.06
6.37	8.77	1.99	4.32	5.07
3.28	6.28	2.89	2.40	5.07
7.46	7.11	5.87	5.95	6.85
0.60	1.39	1.49	2.26	1.09
4.38	2.77	7.66	4.30	4.33
10.85	8.77	10.65	10.18	9.37
24.98	26.14	24.18	26.75	25.33
4.08	5.45	6.07	5.60	5.32
15.72	15.98	16.92	13.08	17.40
3.18	2.96	4.68	2.98	4.22
7.26	10.34	11.64	19.19	11.48
0.50	0.74	1.09	2.46	0.80
1.29	1.48	1.49	1.13	1.48
1.39	0.46	0.90	0.69	1.19
0.70	0.83	1.00	1.17	0.76
1.79	2.22	1.69	1.48	2.02
6.17	4.34	7.16	7.09	5.18
1.89	2.86	3.08	1.09	2.59
2.79	3.14	3.78	2.58	3.09
3.78	2.68	1.99	3.82	3.44
13.73	22.63	12.64	19.17	17.93
0.60	0.37	0.40	1.12	0.44
2.29	2.77	2.29	3.00	2.47
19.41	7.76	6.97	13.07	10.30
24.78	22.08	22.79	23.50	23.57

0.80	1.48	1.39	1.23	1.55
80.11	122.11	126.97	94.46	114.94
6.77	6.93	7.56	7.03	6.80
8.36	6.84	5.97	7.24	7.03
9.35	4.99	8.26	22.83	7.07
11.74	16.26	22.29	20.59	18.48
2.39	0.18	0.30	0.56	2.17
6.47	13.30	14.43	15.75	10.22
0.30	1.66	4.38	3.88	2.15
4.28	2.96	2.39	0.13	3.64
0.00	0.09	5.97	6.58	2.84
1.99	2.49	1.89	0.87	2.48
3.58	1.11	3.08	2.59	2.64
7.07	21.71	6.77	10.48	10.97
4.48	6.10	2.19	8.85	3.98
3.48	2.40	4.78	2.78	4.24
4.18	3.88	4.48	3.20	3.83
14.73	12.19	11.15	13.77	12.07
14.63	13.67	13.43	13.53	14.16
0.50	0.74	1.39	2.02	0.94
2.69	4.62	3.88	3.72	4.44
26.37	20.69	20.80	24.21	22.36
0.00	0.00	8.26	8.14	3.86
21.60	24.01	10.55	3.70	20.16
58.32	47.38	68.76	75.42	56.43
1.09	0.09	1.00	1.06	0.83
19.21	19.77	16.92	18.39	19.21
1.19	1.11	1.59	1.26	1.54
1.39	1.66	1.59	1.96	1.57
4.18	3.69	4.48	4.57	4.22
1.00	0.83	1.49	1.87	0.99
1.79	2.77	4.28	3.89	3.50
0.20	0.92	1.29	2.35	0.64
1.19	3.51	1.59	3.64	1.89
9.95	12.01	12.84	10.63	12.61
2.59	1.20	1.79	2.42	1.65
6.77	8.04	6.57	24.83	6.26
1.39	1.11	1.69	2.10	1.46
1.49	1.11	1.19	1.82	1.26
2.79	1.85	3.38	3.03	2.83
2.39	4.62	4.08	3.86	3.66
1.89	2.40	1.19	1.03	1.62
0.50	0.55	1.39	1.21	0.80
0.50	1.66	1.00	0.10	1.45
1.69	1.29	0.80	1.39	1.17
0.70	0.74	1.19	0.85	1.10
28.76	42.58	27.76	39.18	34.53

5.97	8.59	7.26	7.24	7.51
1.99	1.20	1.99	0.77	1.58
20.90	47.20	42.49	31.89	36.52
14.83	12.93	16.32	18.58	14.18
5.97	5.91	6.17	3.60	6.31
59.61	94.30	112.65	109.31	89.87
5.57	5.73	4.28	7.58	5.50
46.87	52.83	44.78	28.82	50.74
0.70	1.39	1.09	1.19	0.98
1.49	1.20	2.59	2.65	1.64
2.29	1.75	1.00	3.65	1.64
5.97	4.34	5.27	5.22	5.25
6.07	0.00	5.17	6.79	2.81
0.00	17.73	17.12	11.92	13.45
14.53	15.89	14.43	13.36	15.25
0.30	3.23	4.48	5.38	2.35
2.49	1.29	1.89	2.31	2.08
3.48	4.06	3.88	4.20	3.84
3.18	8.31	4.78	1.16	5.77
2.29	1.57	1.99	1.83	1.87
12.54	10.62	11.74	8.00	11.44
5.37	6.74	10.75	13.50	7.42
1.09	1.29	1.79	1.24	1.52
1.79	1.29	2.59	1.82	1.92
3.88	4.34	5.17	4.65	4.42
5.37	6.19	4.78	5.78	5.60
3.09	2.03	3.98	3.37	3.10
0.70	0.37	0.30	1.60	0.69
9.26	8.41	18.01	16.22	11.66
0.10	0.65	2.29	0.98	1.14
1.19	2.40	2.49	2.34	2.25
3.58	2.68	2.39	3.53	2.76
1.09	3.05	1.39	4.20	2.05
0.40	1.20	0.30	1.85	0.73
13.44	15.52	15.23	12.04	13.92
0.80	1.20	1.00	1.38	0.87
2.49	1.11	2.29	2.29	1.91
0.90	2.31	1.59	1.91	1.45
1.49	2.03	3.78	2.63	2.11
5.87	6.56	5.67	22.52	5.72
0.50	0.55	1.49	1.40	0.79
2.89	2.40	3.08	9.15	2.22
29.06	28.82	36.02	5.54	34.87
1.69	0.74	1.79	1.68	1.34
1.59	2.03	2.79	2.75	2.27
18.61	20.14	21.39	14.76	21.44
10.95	17.09	12.44	16.28	15.96

0.70	1.02	0.60	0.82	0.80
1.09	2.03	1.39	1.54	1.48
18.81	13.95	20.80	8.34	16.17
8.96	8.59	12.94	5.12	10.08
11.84	8.96	9.45	11.66	9.62
0.80	0.55	3.18	1.56	1.54
2.89	1.39	2.69	1.59	2.15
79.91	92.18	94.83	111.38	81.28
0.30	0.28	0.30	1.38	0.28
2.89	2.40	1.89	3.20	2.27
1.00	1.75	1.59	1.09	1.40
1.59	2.12	2.39	2.04	2.06
1.69	7.94	11.24	16.70	6.86
1.29	1.57	1.59	2.58	1.46
3.18	2.22	3.08	3.37	2.66
4.48	6.65	3.98	6.55	4.91
5.77	6.93	6.97	6.94	6.62
24.98	11.64	18.11	38.76	16.14
3.98	3.79	3.48	3.85	3.66
1.09	1.57	2.39	3.08	1.67
2.99	1.57	5.08	3.36	2.91
10.85	14.32	14.93	21.92	13.05
1.39	1.57	0.40	0.62	1.22
51.15	52.37	46.77	78.43	49.22
2.39	2.86	5.27	4.59	3.89
3.58	2.59	1.49	1.65	2.42
4.18	10.81	6.57	8.79	7.76
2.99	3.14	3.88	1.98	3.39
1.09	0.92	1.29	0.85	1.11
1.29	1.39	1.69	1.39	1.60
4.18	4.16	4.98	6.81	4.94
1.99	2.77	2.59	10.55	2.25
3.09	4.90	3.18	9.79	4.15
81.90	92.37	65.98	24.97	82.60
4.78	4.99	5.77	4.20	5.34
16.02	9.61	10.05	19.19	11.79
36.72	34.73	42.49	36.89	36.66
7.46	8.96	6.77	6.60	7.60
7.96	14.22	15.42	15.33	11.90
2.89	1.94	2.59	4.53	2.45
1.19	2.31	4.88	2.47	2.95
3.68	0.00	2.29	3.12	2.16
1.09	0.65	1.00	1.41	0.84
2.69	6.65	6.07	6.25	5.59
1.09	1.02	1.00	1.03	0.90
1.49	2.96	7.16	2.74	3.85
6.47	6.56	5.17	10.69	6.10

2.89	3.33	0.70	3.45	2.39
9.95	13.58	12.84	17.57	12.97
4.38	4.53	3.58	3.01	3.85
1.39	1.29	2.79	2.97	1.81
1.19	1.39	2.59	1.51	1.67
1.79	2.22	2.29	1.44	2.17
6.77	6.74	7.56	6.48	7.35
2224.35	1698.60	1738.04	1082.33	1810.50
1.29	1.75	2.19	1.73	1.78
17.12	16.07	19.11	26.69	17.59
0.30	0.09	0.10	1.27	0.12
0.90	2.40	1.49	1.57	1.86
0.90	0.65	1.09	0.91	0.85
1.29	5.17	3.68	3.39	3.58
1.19	1.20	0.60	2.61	1.28
16.12	15.06	13.93	9.54	15.00
8.36	17.83	7.46	0.37	13.34
77.62	43.60	101.10	32.77	82.76
1.69	1.75	1.39	1.38	1.53
7.96	7.76	8.86	6.87	8.23
14.53	21.61	21.10	8.92	19.46
30.45	32.79	35.92	25.96	32.53
66.68	53.02	44.18	0.10	70.07
1.59	1.48	2.59	8.04	1.89
22.49	27.52	34.13	32.22	28.20
1.19	1.66	1.99	0.89	1.81
9.06	8.96	9.55	6.33	8.82
1.69	1.11	2.69	2.29	1.75
0.80	1.75	2.49	1.65	1.73
1.19	2.22	0.60	0.44	1.60
14.53	13.76	12.44	10.46	14.16
17.52	10.81	14.93	14.28	13.08
1.69	0.65	0.90	0.63	1.12
1.09	0.00	0.90	0.90	0.81
3.18	4.06	2.99	1.96	3.60
2.49	4.90	2.59	0.97	3.03
3.09	4.43	4.28	4.55	3.93
1.29	2.03	1.89	1.18	1.65
6.07	6.00	3.88	3.66	6.36
0.90	1.85	1.69	1.38	1.52
8.76	9.79	11.34	7.01	9.52
6.57	7.39	9.65	9.56	7.29
1.79	1.48	2.79	3.49	1.86
3.78	3.97	5.97	1.85	4.19
0.40	0.74	1.39	1.30	0.63
0.20	0.28	0.10	2.27	0.21
2.99	3.69	1.49	5.40	3.08

1.09	0.92	1.00	1.59	1.13
7.76	6.56	7.76	6.50	7.70
2.39	3.33	2.39	2.87	2.66
1.29	1.57	1.59	1.41	1.62
2.39	9.51	5.37	3.84	5.87
6.37	0.55	2.89	4.65	3.05
15.72	13.95	15.32	17.03	15.38
0.40	0.37	0.70	1.68	0.43
1.29	1.75	1.49	1.55	1.83
0.90	0.92	1.59	1.01	0.88
9.16	9.14	8.76	6.42	9.19
3.28	1.48	2.99	5.28	2.32
112.36	92.55	125.78	512.96	97.32
1.29	2.68	1.49	2.14	1.68
3.28	5.45	6.07	5.39	4.62
2.99	1.39	1.29	1.49	2.05
7.07	6.00	5.27	5.20	5.82
46.18	50.99	53.34	5.18	52.93
11.05	13.02	11.24	11.16	12.40
2.99	4.71	4.58	3.75	4.27
3.98	5.26	6.87	2.93	5.26
0.50	0.65	1.00	1.28	0.66
78.62	66.96	58.21	77.37	68.31
54.04	40.18	60.30	224.10	45.16
10.65	13.58	14.83	11.86	13.01
24.28	29.37	27.46	19.86	27.48
34.93	39.72	40.20	33.24	39.45
2.09	2.59	4.98	2.16	3.74
23.09	28.36	27.27	26.34	28.39
1.69	3.05	1.00	0.98	1.62
15.52	18.47	29.06	15.67	20.50
552.03	341.01	428.69	150.93	430.82
74.54	115.73	116.53	155.80	96.08
22.09	28.63	20.40	14.39	24.00
10.75	8.87	12.24	17.47	10.52
24.08	20.23	18.41	12.87	25.72
2.79	1.02	2.29	0.89	1.84
20.50	20.23	22.89	22.30	21.81
0.70	2.12	1.09	0.21	1.64
1.79	2.49	1.99	10.93	1.85
2.29	4.34	3.08	2.77	3.57
4.78	3.23	3.28	6.40	3.68
70.06	38.33	78.31	0.23	60.95
9.26	13.12	12.84	10.88	11.55
2.89	4.53	3.88	2.36	3.71
57.92	84.14	75.93	65.85	72.90
1.49	3.88	1.59	1.55	2.15

102.40	130.33	190.86	217.78	131.50
26.67	64.01	63.49	48.86	49.59
7.36	6.65	7.16	5.28	6.84
3.58	5.36	4.48	3.02	4.05
15.72	16.53	11.74	14.61	16.84
4.08	4.43	5.08	4.18	4.44
1.49	0.83	2.99	2.44	2.02
0.70	1.11	2.19	1.21	1.44
10.45	11.92	10.85	9.56	11.81
0.00	3.14	3.78	3.40	2.96
9.55	10.07	10.15	6.50	9.43
1.39	2.12	2.19	2.74	1.74
12.24	14.50	13.53	8.97	14.49
5.57	6.74	0.40	1.64	3.21
42.40	51.08	47.86	65.11	44.90
16.62	15.15	14.73	8.54	15.63
1.69	2.12	1.39	2.36	1.62
2.49	2.59	3.58	0.70	2.48
100.51	93.29	104.59	55.16	97.17
3.98	6.37	6.17	3.99	5.20
36.72	34.73	31.64	26.62	33.32
2.89	2.49	2.29	2.17	2.17
1.69	1.29	1.39	1.57	1.50
8.26	3.42	7.56	6.08	5.76
1.49	1.75	0.80	1.56	1.30
0.70	1.20	1.49	1.24	1.16
1.19	2.22	1.69	2.45	1.72
1.69	9.70	0.30	2.56	4.28
0.20	2.22	1.00	0.12	1.26
1.19	2.12	1.59	0.59	1.51
1.39	3.88	4.28	1.50	3.05
1.39	1.20	1.29	3.48	1.32
6.97	7.02	7.26	6.84	7.21
1.49	1.39	1.29	1.57	1.42
2.09	2.86	1.69	1.97	2.23
0.90	1.39	2.59	3.18	2.07
44.68	54.68	59.21	7.67	68.87
1.39	2.68	2.99	1.37	2.27
13.34	8.22	14.03	18.47	12.21
17.71	20.69	20.90	24.22	18.83
4.48	3.97	5.57	6.16	5.34
0.50	1.66	2.59	1.89	1.44
1.19	2.40	1.69	1.31	1.51
0.60	1.02	0.80	1.17	0.82
5.77	5.45	3.78	3.80	5.20
0.30	0.18	1.00	0.97	0.53
14.93	11.55	17.12	14.88	14.94

2.19	1.57	1.99	1.79	2.04
38.71	13.02	20.40	89.43	21.79
7.86	10.90	10.75	13.91	9.49
2.49	4.71	3.68	2.71	3.92
5.37	3.33	5.08	11.56	4.55
0.80	1.39	1.09	0.86	1.10
2.89	4.62	2.49	1.10	3.48
1.09	1.75	0.70	1.60	1.36
1.99	3.69	2.99	4.19	2.93
1.29	1.20	1.09	1.18	1.21
1.00	1.85	1.29	0.74	1.32
2.39	0.28	0.60	3.32	0.94
1.19	3.14	1.49	1.39	1.96
6.57	5.36	7.96	8.65	6.46
3.09	3.33	1.89	3.40	4.35
1.00	1.02	1.19	1.73	1.02
3.78	4.34	4.68	4.75	4.34
2.59	3.79	3.18	0.44	3.18
0.80	1.02	2.29	1.68	1.53
1.09	1.29	1.29	1.47	1.24
6.37	7.48	5.87	5.90	5.97
1.79	0.83	2.79	1.83	2.08
8.36	11.08	9.55	10.58	9.46
18.51	15.33	14.53	11.81	18.19
1.49	1.48	1.89	2.92	1.56
3.38	4.43	2.19	1.21	3.10
1.69	1.94	1.19	0.56	1.62
530.73	305.27	367.19	254.34	405.35
4.98	8.22	5.57	3.21	6.65
1.00	1.11	1.89	1.30	1.41
74.24	93.94	62.69	55.78	71.83
17.22	17.55	16.32	20.30	16.72
5.17	4.34	3.38	3.48	4.42
1.29	0.83	0.40	0.34	1.01
62.30	59.30	67.87	126.57	58.86
12.94	14.22	14.33	15.00	14.26
52.65	41.84	117.62	57.26	67.39
2.49	2.77	3.38	3.47	3.11
1.29	0.00	2.29	2.91	0.93
42.10	45.35	49.76	47.01	45.22
0.20	4.06	1.09	2.52	1.72
0.70	3.23	1.49	1.68	1.99
2.99	3.79	3.68	6.93	3.50
22.19	22.17	21.39	16.51	22.06
7.07	18.57	18.81	37.43	13.98
14.23	26.69	27.66	24.63	21.69
12.54	15.98	11.64	8.77	13.73

1.09	0.55	1.49	1.53	1.13
17.42	25.68	42.69	27.52	27.54
18.91	1.66	16.42	13.61	13.10
4.18	4.71	6.17	5.51	5.28
0.30	0.83	1.29	1.70	0.67
1.89	2.68	2.49	4.53	2.52
1.99	2.49	4.18	1.59	2.77
4.08	4.99	8.76	5.77	6.19
10.95	4.43	8.76	12.94	6.41
20.10	22.72	24.08	18.72	22.41
1.00	1.75	1.00	0.18	1.03
2.19	1.66	2.79	3.13	2.54
291.69	187.32	269.27	356.80	239.44
1.09	1.39	1.29	1.75	1.20
0.40	1.02	0.80	1.45	0.74
27.07	55.79	45.48	20.59	40.67
12.34	7.48	9.45	19.63	9.59
5.77	5.36	6.37	5.60	5.26
58.22	52.28	34.93	11.59	63.47
1.89	1.39	1.59	0.91	1.56
19.61	20.97	20.70	24.20	18.47
10.55	8.41	10.25	8.88	8.85
10.05	12.28	14.13	15.41	11.77
0.10	0.09	1.29	1.55	0.72
1.59	2.03	1.69	2.54	1.61
8.66	3.14	1.99	0.00	4.24
9.16	10.81	9.85	10.41	10.11
1.39	1.29	1.49	0.30	1.39
3.38	3.33	3.58	5.08	3.65
4.38	2.86	5.57	5.92	4.47
6.57	16.44	7.56	7.85	10.45
3.09	4.99	3.58	3.63	3.86
66.28	70.47	59.61	40.64	69.23
4.38	5.91	5.67	4.61	5.25
16.92	21.61	13.73	9.20	21.21
2.59	3.97	3.38	0.29	3.05
6.77	4.99	9.06	9.57	6.31
1.59	1.94	2.29	2.15	1.80
10.95	7.11	11.05	10.53	10.56
2.99	3.14	2.49	2.90	2.85
8.46	11.73	9.45	14.22	9.72
9.75	16.35	13.23	9.45	13.24
14.73	20.23	24.68	14.42	22.61
14.43	16.44	17.02	10.78	16.30
4.28	4.06	4.18	3.61	4.27
6.87	5.36	8.66	8.98	7.18
0.00	2.96	1.39	0.83	1.50

12.94	8.68	8.36	8.43	10.65
4.08	5.45	4.18	4.38	4.50
109.17	80.27	98.32	58.68	101.14
74.94	85.44	98.52	9.83	87.64
13.63	13.67	12.74	11.21	13.48
72.25	95.14	75.23	63.83	82.28
222.23	192.77	184.59	264.81	207.63
7.56	6.84	7.56	11.37	6.88
6.87	6.00	5.97	6.60	6.32
14.03	15.06	21.39	13.83	18.37
140.02	165.89	182.40	178.01	160.59
1.19	1.85	1.69	1.38	1.50
0.00	0.74	0.30	0.96	0.26
3.58	2.31	2.99	5.57	2.98
3.78	2.03	3.68	2.26	3.48
468.93	351.08	349.78	1438.65	372.91
8.46	2.59	2.69	0.45	3.87
3.28	6.37	5.08	4.11	4.95
6.77	5.82	5.57	5.70	6.12
0.60	0.09	1.49	0.82	1.15
1.39	1.75	2.19	1.73	2.00
2.89	1.94	0.90	0.69	1.78
3.38	5.45	3.68	3.56	3.82
5.57	5.63	7.07	13.62	6.18
18.51	10.90	14.93	1.61	16.51
9.65	11.45	9.25	10.64	10.15
3.98	4.71	3.28	3.98	4.48
1.99	2.31	3.28	1.64	2.34
1.49	0.55	1.09	0.72	1.01
16.82	19.86	18.31	18.76	18.32
17.12	17.64	18.91	17.02	18.28
2.39	3.23	1.79	1.41	2.58
18.61	30.94	14.63	12.28	24.13
1.49	2.77	1.29	2.63	1.80
2.89	3.79	2.69	3.37	2.88
0.70	1.11	1.29	2.30	1.03
1.69	3.05	3.68	2.67	2.99
40.90	37.59	40.70	53.94	39.17
3.38	2.86	3.08	0.24	4.20
5.57	7.85	6.27	7.94	6.91
33.54	13.49	18.21	78.44	20.00
2.19	1.29	1.09	1.21	1.62
6.87	12.19	10.55	11.56	10.05
13.63	10.25	5.37	5.61	9.43
26.47	29.65	39.61	41.79	30.53
1.49	2.96	1.69	5.07	2.26
0.90	0.83	0.20	15.07	0.61

62.10	52.74	67.07	72.92	65.78
7.07	7.20	6.57	9.12	6.88
4.28	2.86	3.68	4.44	3.72
10.25	46.55	16.92	25.66	22.69
0.70	0.55	1.79	1.26	1.04
10.85	10.90	11.94	9.76	12.53
6.87	8.22	9.95	19.93	8.03
72.95	75.55	96.43	53.80	79.98
9.65	10.34	9.25	11.43	10.69
0.50	0.55	0.30	1.74	0.56
116.14	61.70	70.45	221.43	73.78
0.40	0.92	1.00	2.96	0.64
12.64	11.73	9.06	10.25	10.53
2.79	0.83	2.89	3.62	2.26
4.08	3.14	2.69	2.02	3.52
284.42	139.84	118.22	2.69	204.22
1.89	1.29	1.59	1.50	1.60
64.49	50.62	48.46	67.49	53.11
99.22	66.87	52.84	98.57	77.18
18.21	18.93	19.01	16.56	20.23
46.48	52.83	54.43	9.42	58.70
146.99	149.45	179.12	265.68	156.67
1.29	4.25	2.79	1.50	3.76
0.10	0.65	0.00	1.67	0.22
2.29	4.53	2.79	5.14	3.51
57.92	69.74	99.71	49.18	74.58
1.29	1.57	1.19	0.45	1.46
9.55	9.88	10.55	9.38	9.96
19.51	18.47	17.02	30.86	18.10
13.93	11.18	15.13	16.44	13.56
148.08	212.62	137.32	228.15	192.41
3.98	6.19	1.69	2.18	4.26
23.59	30.30	29.26	29.76	28.46
58.52	72.88	74.23	105.51	69.91
23.88	19.12	22.89	10.28	24.08
15.82	17.92	18.01	15.25	16.41
176.25	290.40	307.69	227.26	265.78
19.41	23.28	26.87	52.29	23.70
19.80	36.58	31.15	25.88	29.90
25.38	25.31	20.30	19.40	23.97
16.02	12.01	12.54	18.19	13.36
0.40	0.65	0.70	1.41	0.56
3.18	1.57	1.39	1.88	2.04
6.57	5.17	4.78	5.09	5.64
7.46	8.41	6.97	5.42	7.22
2.09	0.92	1.00	3.15	1.03
5.57	6.37	5.67	8.02	5.70

124.60	94.30	120.41	98.80	115.32
2.39	2.49	2.19	1.67	2.46
3.98	2.77	2.19	5.41	3.12
5.87	4.99	7.46	13.09	5.87
2.29	3.14	1.89	1.32	2.46
0.40	0.74	0.50	3.13	0.63
20.40	16.53	19.50	16.48	19.67
1.19	3.23	1.69	3.71	1.81
3.38	10.90	4.18	0.68	6.86
38.31	32.42	29.75	40.90	33.42
7.86	8.22	5.77	8.38	7.23
0.80	1.66	2.09	2.78	1.48
3.48	7.20	6.77	7.72	5.66
6.67	5.73	6.77	6.97	6.49
2.09	0.28	2.19	0.46	1.58
3.38	4.53	3.98	3.91	4.58
20.50	28.08	32.04	39.41	25.24
53.74	58.56	60.80	49.17	54.13
1.39	2.12	1.69	0.27	6.98
0.70	1.20	0.70	0.95	0.96
2.09	0.74	1.79	0.91	1.31
6.57	7.39	7.16	7.57	6.57
68.07	85.62	79.51	92.50	74.18
3.98	2.03	4.48	1.24	3.60
8.26	6.93	14.83	8.71	10.50
3.68	1.66	2.39	2.75	2.72
5.17	4.06	5.47	5.84	4.78
1.09	1.02	0.90	0.80	0.94
9.45	9.14	8.16	8.41	9.06
1.59	2.59	2.59	2.80	2.16
33.34	20.04	25.08	2.74	23.59
3.68	2.77	3.28	0.95	3.63
2.39	1.57	2.29	1.48	1.91
4.88	5.17	6.67	3.45	5.92
11.94	13.95	11.84	3.63	12.65
3.48	3.42	3.78	0.66	3.46
1.59	2.22	2.09	1.05	2.14
1.29	1.66	2.59	2.56	1.95
1.79	1.11	2.09	2.37	1.69
15.82	12.28	11.94	13.23	13.90
1.69	1.66	1.99	2.26	1.78
0.60	0.46	0.70	0.97	0.47
4.88	7.11	10.35	7.48	6.63
1.09	2.22	1.09	1.49	1.42
6.27	8.04	7.07	8.49	8.09
2.39	0.28	3.18	1.90	2.03
1.89	0.74	1.59	1.52	1.50

0.70	2.86	1.09	1.86	1.86
0.70	1.02	1.39	1.30	1.12
2.49	2.03	2.89	5.27	2.80
5.27	3.14	4.38	18.77	3.61
4.68	2.49	2.69	4.59	3.47
5.57	4.90	5.27	6.01	4.85
1.19	0.46	1.19	1.29	0.87
9.26	12.01	12.04	10.13	10.35
0.70	1.11	1.69	1.68	1.22
122.91	183.16	125.58	38.23	152.45
5.87	4.80	6.37	8.05	5.62
3.38	6.37	5.47	3.90	4.41
21.60	34.64	25.28	10.01	26.53
10.65	13.49	10.45	9.18	11.64
0.90	3.51	2.39	2.02	2.68
18.21	20.78	26.47	11.67	22.71
15.13	12.28	12.14	8.04	12.79
24.98	18.10	20.00	21.31	21.20
0.50	3.05	2.39	1.02	1.67
2.79	1.48	2.79	2.93	2.39
2.69	0.28	1.99	0.08	2.00
1.49	0.65	1.59	2.02	1.22
2.19	2.12	2.99	1.70	2.55
1.00	0.46	1.89	1.13	1.28
1.19	0.92	0.70	0.85	1.05
2.09	2.12	3.28	2.27	2.41
0.60	0.65	0.50	1.81	0.47
647.37	584.39	743.24	448.94	659.54
3.38	1.11	1.69	1.15	1.83
5.87	6.28	6.47	4.52	5.85
25.78	55.70	58.21	51.76	48.84
1.99	2.96	2.09	1.65	2.48
11.84	12.28	11.64	11.17	12.83
9.55	8.41	11.74	9.36	9.00
7.46	7.11	8.26	7.92	8.33
1.19	1.66	1.09	1.77	1.24
4.98	6.47	5.27	7.82	5.85
30.55	39.99	35.13	27.46	35.41
3.78	3.42	3.38	2.79	3.47
17.42	20.51	24.18	59.16	18.81
5.47	8.04	7.76	3.18	6.30
5.67	7.11	4.28	5.91	5.78
4.18	2.22	4.78	2.61	3.83
3.28	2.22	3.18	2.34	3.02
0.70	1.48	1.29	1.47	0.99
14.23	9.70	7.86	9.34	10.44
2.19	2.40	3.18	2.50	2.51

7.96	10.44	8.56	6.48	7.97
3.38	4.34	3.18	2.90	3.55
1.99	9.70	8.36	7.37	6.27
6.47	7.20	7.76	8.91	7.57
11.84	13.49	12.04	13.51	12.34
11.35	11.64	11.34	14.59	11.23
8.26	7.76	7.66	5.52	8.00
8.06	6.84	7.86	6.44	7.20
0.20	15.98	21.79	27.69	13.94
1.89	0.00	4.28	0.65	1.92
1.49	2.96	4.28	4.10	3.10
60.01	52.28	57.02	44.79	53.47
56.23	50.80	50.35	30.56	55.35
29.56	24.75	29.26	27.13	27.11
3.68	4.06	2.59	1.83	3.97
77.62	101.05	56.62	207.89	89.19
11.35	8.04	10.15	25.98	8.99
329.90	237.01	210.96	452.13	276.70
316.57	198.03	233.45	240.43	265.90
3.18	0.74	1.49	10.77	1.51
59.11	49.42	52.04	59.74	49.87
6.67	4.80	4.08	3.95	4.99
49.26	56.53	51.45	2.11	58.72
63.00	64.93	85.28	154.89	60.59
1.29	1.02	2.59	2.15	1.48
57.82	68.54	75.13	124.83	62.43
1.99	2.96	2.99	6.31	2.71
34.33	26.88	25.38	28.42	30.01
31.25	32.42	36.92	31.75	32.03
23.09	24.29	21.79	14.89	22.50
24.08	21.61	25.97	16.18	22.97
86.98	103.63	90.36	105.40	90.54
8.86	9.70	8.26	9.67	9.07
0.60	1.20	1.00	3.46	0.95
9.26	13.67	13.93	43.20	11.93
12.84	9.42	14.13	9.09	12.70
2.29	2.12	1.09	1.29	1.66
97.83	76.29	108.07	108.78	86.99
32.05	43.41	33.44	21.70	39.16
75.93	77.49	104.68	134.92	97.07
9.55	7.94	10.55	13.67	9.73
1.29	2.59	1.19	2.53	1.58
9.85	14.41	13.04	6.81	12.07
41.90	39.62	38.71	33.77	39.21
31.75	65.76	49.85	104.50	46.72
33.94	31.77	32.94	43.90	32.27
74.94	39.44	119.81	286.35	88.57

2918.59	3011.85	2884.30	1770.82	2985.44
167.19	151.76	137.32	50.56	160.88
29.46	29.00	45.68	64.73	31.87
20.40	17.27	15.42	24.86	17.25
3.78	4.25	4.88	4.07	4.49
8.16	15.89	18.51	44.13	13.16
12.64	13.49	13.14	7.29	13.76
37.12	38.79	40.90	42.86	38.45
251.98	272.29	292.06	249.45	282.84
50.85	51.17	52.84	89.15	54.75
21.30	17.73	20.30	18.49	20.55
32.54	35.84	37.61	22.97	36.44
2.09	2.68	2.99	3.11	2.35
48.07	37.69	53.44	44.15	42.75
6.47	7.67	8.76	6.91	7.52
45.38	49.69	54.33	44.13	49.13
0.30	0.46	0.30	2.52	0.26
2.79	2.86	2.99	1.26	2.82
8.46	9.33	9.25	8.62	8.78
1.79	5.08	2.99	1.54	3.35
29.16	22.81	27.96	24.07	28.00
12.44	10.81	5.97	3.32	9.86
5.17	5.54	5.57	6.19	5.93
8.56	11.64	9.75	0.39	10.80
24.98	26.69	23.58	28.85	24.09
48.86	56.25	56.52	73.20	51.68
15.33	30.48	28.16	34.46	24.14
5.37	4.71	3.88	5.91	4.47
24.18	28.91	29.95	30.01	27.17
8.16	5.26	7.07	6.00	6.86
1.89	1.66	1.29	1.97	1.69
0.70	0.65	1.19	2.27	0.73
2.59	2.49	2.79	1.99	2.66
7.86	9.42	10.45	9.01	8.83
13.83	14.59	15.62	18.07	14.14
52.74	101.97	104.88	250.38	81.03
3.28	3.23	2.79	3.77	2.89
12.34	6.93	11.54	7.57	9.72
0.50	1.66	1.59	0.27	1.60
1.79	1.39	1.19	1.74	1.79
1.59	1.11	1.49	1.87	1.84
1.59	1.29	1.79	1.47	1.52
1.89	2.12	2.19	3.95	2.31
59.51	44.61	44.98	38.18	50.66
0.80	2.59	1.99	2.77	1.97
47.17	31.87	32.44	36.09	35.67
183.61	145.94	87.57	33.23	187.11

15.52	9.14	8.36	4.47	11.98
59.31	67.06	56.42	75.94	55.20
9.45	9.61	7.56	4.85	7.95
24.88	19.12	23.78	24.61	24.24
18.81	26.79	25.38	28.34	23.14
38.02	57.36	36.92	40.70	46.93
400.86	222.78	395.06	427.97	306.67
15.13	11.08	11.15	8.47	13.03
3.09	6.19	0.70	2.83	3.79
26.17	21.34	22.69	13.96	21.91
0.60	1.66	1.00	11.33	1.10
10.65	11.18	9.55	8.21	10.53
18.61	24.75	23.68	15.03	21.15
24.68	39.81	21.10	50.23	31.94
23.98	27.99	27.96	26.47	28.22
11.15	10.53	9.95	9.77	10.72
5.57	3.05	3.68	4.10	4.62
7.76	10.90	8.56	6.14	8.95
37.22	31.59	26.77	35.86	33.33
132.66	233.59	259.62	212.92	196.43
52.74	61.52	55.63	64.54	56.20
15.62	12.19	10.85	18.38	13.39
13.83	10.44	17.22	18.75	13.75
17.81	11.73	14.33	21.48	14.82
21.99	17.00	21.99	21.13	19.76
24.68	18.66	16.82	23.67	20.78
8.86	6.74	8.06	10.04	7.84
15.03	11.55	14.33	12.90	13.82
33.34	35.75	59.21	50.88	38.23
2.39	2.68	2.59	2.36	3.14
30.65	24.20	30.15	32.32	29.55
18.91	21.52	20.00	18.10	19.02
3.48	5.36	3.08	3.91	5.29
2.09	3.33	4.18	2.58	3.31
2.39	2.40	4.78	3.87	2.83
664.29	801.55	832.90	113.10	770.05
578.10	678.70	622.14	67.47	657.65
418.68	384.05	364.80	432.17	375.91
128.68	158.13	181.41	103.16	147.01
50.95	40.18	49.85	26.96	48.22
61.10	88.67	6.77	0.34	103.91
28.76	28.45	32.94	27.46	29.96
18.31	15.42	18.41	16.95	17.01
56.83	62.25	66.67	66.88	61.50
85.98	104.47	110.66	103.25	94.09
457.79	459.98	340.32	254.16	375.35
2.49	5.63	3.38	2.97	4.52

2.69	2.77	2.39	1.99	2.34
23.69	21.98	15.42	16.09	21.30
38.61	52.37	42.19	45.03	43.21
2.39	1.11	2.99	2.10	2.44
4.78	6.37	3.18	5.46	4.44
4.38	5.45	5.27	4.02	5.04
1.29	1.29	0.30	0.39	1.07
9.95	8.68	8.26	12.97	9.06
35.93	28.54	26.47	0.58	33.85
2.19	2.03	2.59	0.73	2.43
45.58	37.13	41.20	32.94	42.06
23.19	25.59	25.77	18.46	25.04
16.12	18.47	13.53	12.26	16.01
2.79	3.14	4.08	2.68	3.23
4.28	3.79	2.89	5.19	3.59
6.97	9.05	8.96	7.60	8.99
9.75	9.33	9.85	8.92	9.10
1.19	1.20	1.89	2.01	1.51
6.27	5.73	5.08	5.74	5.37
8.86	8.13	7.26	10.43	8.15
14.33	15.79	12.94	17.65	13.54
8.46	9.51	8.96	10.46	8.44
31.35	43.97	36.82	32.90	39.65
13.83	15.42	14.03	12.64	14.45
26.67	23.00	29.65	47.21	24.44
12.34	13.76	16.32	15.13	13.23
63.59	64.47	56.82	43.50	61.88
3.38	1.94	3.28	2.38	3.57
72.35	60.87	67.97	53.68	67.91
3.48	2.96	2.79	1.35	2.91
4.48	7.76	8.26	0.10	6.23
295.17	319.49	324.10	316.00	328.10
10.05	7.76	7.36	5.54	8.06
11.25	10.16	8.96	11.67	9.86
18.61	9.33	10.45	30.67	11.30
6.77	5.17	4.98	8.93	5.46
3.28	3.42	3.48	3.28	4.16
26.37	27.43	31.25	20.48	26.85
38.41	32.79	34.83	28.44	36.10
5.27	10.90	4.88	6.18	6.02
33.64	31.13	31.25	19.29	32.62
11.44	17.09	11.05	5.45	12.64
24.08	15.89	15.42	2.97	23.79
15.72	16.81	10.55	7.80	15.60
6.17	5.26	4.38	3.95	5.78
249.10	209.95	228.18	488.45	209.15
82.30	63.45	58.01	71.70	71.84

164.50	154.43	184.49	258.11	158.15
4.38	5.82	3.58	12.80	4.23
23.59	32.97	32.04	67.74	26.82
17.22	31.31	27.96	33.94	24.43
12.54	10.99	21.20	36.57	13.86
2.99	6.65	5.17	3.49	6.45
6.37	7.48	8.66	10.51	7.68
18.31	19.21	15.13	18.71	17.64
10.35	10.99	14.03	16.69	11.34
10.45	6.28	6.67	19.11	7.36
92.15	78.51	90.65	85.37	86.13
8.56	9.51	8.66	6.79	8.86
1.49	0.37	1.09	0.19	1.09
2.09	2.49	2.29	0.45	2.60
117.73	107.14	152.75	66.79	121.30
3.58	4.16	4.78	6.14	4.49
12.24	15.06	7.86	8.96	12.92
5.77	6.93	6.97	5.22	6.43
1.69	2.03	1.69	1.34	1.73
30.75	26.60	23.98	22.84	27.63
68.57	77.77	80.11	61.81	74.98
4.38	6.65	6.17	4.24	5.37
2.99	2.31	5.17	14.29	3.12
7.46	5.36	7.56	18.15	6.33
191.87	171.34	210.17	109.22	198.49
39.81	36.02	30.75	22.33	35.89
0.80	0.92	1.29	2.23	1.32
1.00	0.74	0.90	0.70	0.82
50.85	24.38	24.08	8.96	34.21
158.14	118.14	182.30	361.77	138.82
83.40	79.90	96.23	82.65	87.64
241.53	194.89	183.10	163.47	209.33
23.29	31.31	38.71	19.72	31.28
20.10	18.29	15.62	19.63	18.05
18.21	16.53	16.32	16.61	16.59
14.23	13.12	14.13	22.84	14.44
5.37	5.73	5.57	7.44	6.19
38.61	31.77	31.84	46.61	37.43
59.31	36.58	55.53	44.58	51.43
1.89	1.66	1.89	1.59	1.99
3.58	4.99	3.28	2.63	3.34
4.68	5.82	5.47	4.85	5.26
79.91	63.82	62.89	35.29	83.45
76.13	101.69	81.30	744.84	79.52
47.07	63.82	85.08	44.71	64.37
32.74	29.37	28.86	20.79	30.41
3.09	1.11	2.99	0.83	2.49

7.66	8.87	8.26	10.56	7.71
40.21	62.25	58.41	52.88	59.06
26.57	17.46	20.20	17.91	20.13
45.08	43.32	39.61	48.86	45.01
41.60	40.09	34.23	34.11	40.37
48.27	36.48	40.40	54.59	42.15
8.46	11.92	11.94	8.00	10.79
2.59	3.60	2.69	14.87	2.41
26.27	28.54	27.86	29.80	28.18
0.90	0.92	0.60	1.40	0.95
33.14	54.96	41.50	31.09	50.58
13.14	16.35	11.84	11.30	13.71
22.59	30.30	27.56	24.17	28.19
5.47	6.47	4.48	5.87	5.94
14.53	15.52	10.75	5.16	14.46
101.31	112.41	109.06	70.59	108.25
64.59	50.62	49.06	96.34	54.83
41.30	42.03	36.42	41.31	41.14
66.98	97.72	92.44	35.38	92.76
5.27	6.37	4.88	1.66	5.61
42.49	44.34	43.98	42.63	42.99
48.37	34.54	25.57	1.10	42.08
329.31	403.73	370.68	340.01	383.48
6.27	4.06	4.58	6.53	4.61
46.18	42.77	43.88	43.83	46.87
276.36	254.00	281.41	312.08	258.60
44.58	45.07	44.68	57.83	43.62
6.37	5.08	5.57	14.45	6.02
14.83	8.22	13.83	18.26	11.65
34.53	40.64	30.65	38.40	36.65
82.90	69.27	61.90	61.28	70.88
8.66	7.39	9.25	10.43	8.22
40.50	33.90	33.04	38.35	35.95
2.19	2.86	1.19	2.68	1.94
3.48	4.43	3.58	0.82	4.80
3.68	2.96	4.38	2.20	3.89
35.83	37.69	31.74	32.66	34.05
5.47	8.41	9.15	6.23	7.27
239.54	252.62	228.48	216.63	235.56
70.66	69.83	59.91	43.48	70.30
107.38	78.42	84.98	109.95	91.24
22.39	22.54	21.30	35.92	21.61
23.88	21.52	26.07	24.37	25.16
0.70	1.39	0.40	1.33	0.87
123.70	311.09	135.93	220.95	225.86
8.06	11.18	11.05	11.53	9.91
30.95	25.49	29.06	28.48	27.81

55.13	47.75	47.07	43.95	51.57
15.72	13.30	13.33	2.71	15.70
27.37	29.10	32.14	33.48	29.82
29.66	34.64	35.92	28.22	33.55
67.57	54.68	60.30	90.34	60.13
253.67	185.01	171.36	74.33	213.47
39.91	30.67	38.11	67.45	34.62
49.86	54.68	29.85	34.03	57.05
2.19	4.43	1.29	0.83	3.49
13.73	12.38	13.33	15.89	14.31
32.05	27.52	32.84	28.73	29.10
64.49	58.10	53.83	50.76	58.69
11.05	8.31	7.66	17.15	9.25
30.85	36.30	27.96	26.75	34.42
3.38	4.06	2.69	1.10	3.48
368.12	320.14	395.65	309.84	346.99
1.59	1.48	1.99	1.13	1.61
12.74	6.56	8.66	8.79	10.65
11.35	14.04	15.42	16.73	12.89
1.29	0.92	1.59	1.13	1.27
127.78	172.72	180.11	135.40	148.22
21.89	28.63	18.11	13.87	23.32
51.55	66.96	65.88	71.73	58.66
12.64	6.65	6.47	25.07	8.18
6.77	5.63	7.46	51.75	5.88
149.38	181.31	184.69	162.19	163.00
16.32	11.64	27.07	22.62	18.11
3.18	5.73	6.77	3.30	4.77
780.13	1146.44	855.49	3018.73	834.94
241.73	145.75	125.98	168.50	169.02
444.05	209.58	182.70	1161.74	251.41
9.65	19.30	12.34	46.01	13.10
191.77	183.35	221.91	233.54	193.89
116.34	124.23	122.40	110.06	117.61
12.64	15.42	14.03	10.97	14.50
16.92	17.09	18.81	19.56	16.83
40.50	47.66	41.69	51.12	42.16
7.86	5.17	5.57	12.33	5.22
3.78	2.96	1.79	4.23	3.43
18.61	20.78	23.48	18.81	20.77
52.65	57.45	53.44	47.51	56.26
16.52	13.95	16.82	16.97	15.33
8.36	8.50	7.07	11.14	7.69
18.81	20.97	18.01	17.91	20.10
27.96	32.79	31.74	26.20	30.16
22.89	24.94	28.36	27.08	25.08
19.41	14.78	19.80	26.98	18.20

8.16	7.11	8.76	9.19	8.03
102.60	115.09	86.28	57.44	106.20
134.75	114.81	129.86	157.61	119.79
44.39	42.77	36.72	14.07	44.83
35.63	40.36	35.03	67.25	35.20
29.06	24.11	30.55	19.64	30.18
11.44	11.55	9.65	8.99	10.88
209.69	162.01	153.74	170.12	174.04
17.42	14.78	16.42	13.05	16.04
17.22	27.80	12.54	30.92	16.82
28.06	18.93	21.69	14.45	23.90
46.38	48.68	54.53	43.74	51.76
21.30	22.44	21.69	21.12	22.64
21.10	23.37	21.89	19.40	22.08
1.69	2.22	2.99	2.25	2.17
4.98	4.16	4.58	1.98	4.22
2.69	2.12	3.58	0.10	2.51
1.89	9.33	3.48	7.05	5.29
1.49	3.79	2.99	1.46	2.73
34.23	40.46	29.36	28.19	36.21
133.06	114.16	89.76	69.62	111.33
19.01	12.19	12.54	24.14	13.46
46.67	34.64	40.80	91.24	36.05
39.61	24.29	34.53	80.70	30.67
94.74	103.08	93.54	97.50	95.38
27.27	15.33	25.97	51.52	20.87
3.28	0.55	1.39	3.49	1.50
20.80	13.95	17.81	48.55	15.79
45.08	28.08	38.31	66.50	33.61
72.85	61.52	64.68	90.63	67.12
4.68	3.05	4.08	7.66	3.87
22.09	24.29	21.39	20.90	23.89
17.32	18.20	13.14	16.00	16.46
3.68	6.19	5.67	2.35	6.19
18.71	20.97	16.42	16.23	18.76
29.96	30.30	28.16	21.78	31.00
0.80	1.20	1.00	0.64	0.97
11.74	8.68	8.76	13.57	9.41
23.09	24.01	24.28	20.91	23.94
62.10	121.37	186.78	92.88	147.43
10.65	14.78	30.55	14.48	22.04
9.06	8.59	8.56	7.10	8.60
21.60	15.61	18.71	25.25	16.98
9.06	7.39	5.97	6.28	7.47
73.25	70.20	72.94	79.47	72.15
65.68	58.19	85.28	80.48	61.92
56.92	41.56	48.46	55.16	46.84

0.50	2.03	0.20	4.08	1.47
52.65	42.30	48.16	69.63	45.53
1.39	2.03	2.69	1.60	2.19
55.53	55.23	58.81	66.51	59.95
5.77	6.74	6.27	12.46	5.96
72.45	68.63	54.03	39.45	67.24
27.47	26.97	29.85	16.12	27.48
71.65	87.29	87.07	68.45	82.18
8.16	9.79	10.45	7.99	8.77
145.70	121.46	134.44	98.30	133.07
7.56	11.18	8.66	11.26	9.50
9.65	8.31	10.25	8.30	9.04
30.45	27.06	28.16	28.29	28.71
13.63	29.93	33.73	19.27	25.23
118.53	124.60	96.43	132.23	119.30
5.17	7.11	5.67	4.93	6.19
88.77	96.98	97.72	96.38	92.55
7.96	6.84	7.36	7.82	7.66
8.16	8.41	7.07	4.80	8.56
90.26	104.10	119.71	103.16	105.00
129.27	249.39	229.37	228.56	199.96
182.12	281.71	285.00	144.23	261.90
68.97	57.45	80.60	84.43	75.75
11.15	10.62	10.35	8.74	10.65
20.50	16.26	20.30	16.40	18.05
18.41	20.04	20.30	21.39	19.61
4.88	3.60	5.57	6.42	4.71
14.73	13.85	16.12	14.76	14.08
12.64	12.28	12.64	13.51	12.45
33.34	25.49	28.06	21.99	28.76
9.75	10.62	7.76	8.16	9.40
46.87	43.60	49.66	56.29	45.57
34.23	40.64	42.39	35.66	38.12
48.96	52.19	48.06	42.09	49.55
10.75	9.98	9.35	12.26	9.92
9.26	6.93	7.26	10.41	8.45
22.39	15.42	14.73	14.31	16.99
1.00	1.39	1.39	2.47	1.32
6.17	7.67	7.07	9.57	6.90
8.16	6.47	7.86	7.15	7.23
37.42	34.08	34.33	26.81	35.58
17.81	14.04	18.11	17.57	16.53
8.96	8.96	9.65	11.19	9.35
10.75	7.02	9.15	7.11	8.91
24.28	26.60	16.12	1.81	24.30
126.89	115.92	130.36	98.14	120.19
11.54	15.52	13.63	17.24	12.41

28.76	25.40	22.59	16.07	26.48
14.23	15.52	9.95	2.05	15.51
3.98	9.88	6.47	16.51	6.72
5.67	5.45	8.46	1.90	8.11
0.50	1.20	1.39	6.33	1.21
185.40	327.16	303.21	324.96	261.46
32.05	74.35	18.71	33.85	39.23
8.26	6.74	6.07	29.58	7.29
2.79	6.19	6.37	5.73	4.63
35.13	50.62	49.66	32.71	44.87
15.13	16.53	18.31	4.86	17.76
12.94	7.85	8.56	23.61	8.41
8.16	9.14	10.75	6.97	9.48
37.12	29.56	28.26	30.85	31.09
5.97	6.37	2.59	0.24	8.37
15.52	9.70	6.27	1.61	10.97
89.87	69.46	109.26	79.40	83.85
11.05	16.26	14.73	8.82	14.49
12.44	9.24	7.86	8.50	9.78
123.70	92.46	99.91	97.74	107.93
205.51	99.11	210.66	713.11	145.36
3.38	4.34	2.99	1.14	2.96
34.43	29.10	30.95	29.60	31.89
2.89	3.14	4.98	4.75	3.60
54.04	51.45	54.13	52.34	54.05
6.07	3.60	5.27	13.45	4.43
193.17	105.85	96.23	11.89	128.89
10.95	9.14	17.71	10.04	12.67
26.27	21.80	22.69	34.68	24.07
12.64	9.70	16.22	5.44	13.30
12.34	10.25	10.25	8.57	11.75
21.60	19.58	17.22	19.66	18.58
4.08	3.23	3.58	5.33	3.45
10.35	11.64	11.74	8.05	12.25
14.43	15.15	13.73	15.41	14.93
8.56	8.59	7.56	8.98	8.01
9.06	13.95	14.33	11.01	13.44
27.87	36.76	37.91	35.59	33.75
13.24	15.15	13.14	14.03	13.76
3.28	3.97	1.79	1.73	2.99
3.98	3.14	3.88	3.70	4.27
15.52	14.13	16.42	16.22	15.21
20.10	27.71	25.87	17.10	23.60
9.55	11.64	15.23	17.61	11.76
15.13	12.01	15.32	14.72	13.58
11.44	8.77	9.75	8.97	10.08
8.26	7.02	7.56	8.14	7.45

27.27	27.34	26.47	25.48	26.99
4.28	3.60	3.68	3.91	3.62
4.38	4.90	2.69	2.54	3.81
74.04	198.95	176.53	190.21	141.55
29.36	25.22	24.78	29.05	25.33
130.07	81.28	95.83	264.89	95.51
37.12	32.97	36.82	35.14	35.41
41.00	32.42	28.26	259.10	35.17
43.69	40.64	44.88	34.37	44.61
295.37	309.89	334.95	151.33	305.67
19.70	28.91	26.67	16.26	25.61
780.43	605.08	678.96	428.44	661.29
55.43	67.43	64.48	63.67	67.61
44.48	44.15	36.32	46.90	40.80
49.76	39.44	39.61	40.20	43.06
36.92	41.38	44.08	31.05	40.07
11.25	11.27	9.85	12.36	10.55
10.95	12.28	13.04	9.57	12.13
65.28	49.97	55.03	39.64	58.04
4.28	4.06	3.58	3.88	4.34
75.14	66.96	74.83	53.65	71.34
1.49	1.85	1.79	0.69	2.04
3.88	3.33	2.19	3.17	2.76
23.19	16.26	22.29	31.06	18.65
3.58	3.60	3.18	4.75	3.82
19.70	14.22	16.92	11.56	18.05
12.64	12.84	18.81	10.03	14.86
10.95	12.10	9.95	13.58	11.75
14.43	10.44	12.24	8.81	12.88
120.22	138.09	135.93	114.06	132.18
66.78	58.74	57.22	51.61	62.76
40.90	30.57	36.22	37.54	38.48
18.31	6.74	12.54	12.65	12.05
83.79	76.48	86.57	70.19	81.47
141.81	224.08	117.62	236.18	167.28
16.42	10.16	11.74	24.66	12.45
35.33	24.48	29.65	30.20	29.85
1.00	1.29	1.19	3.69	0.87
56.73	80.17	73.44	78.36	75.98
43.09	30.94	23.29	5.98	37.97
13.44	8.04	6.77	17.49	8.35
5.67	4.53	5.57	8.36	5.02
1211.84	1018.60	1046.55	1281.97	1137.79
57.22	82.39	67.37	89.17	67.12
1.69	2.03	0.30	2.96	1.01
43.69	36.67	46.67	34.51	41.95
10.25	11.55	13.43	10.15	11.27

278.35	171.43	174.24	369.97	218.82
176.65	167.18	161.11	172.31	171.82
102.31	103.91	107.17	85.52	102.97
48.76	70.20	70.15	58.92	62.02
50.66	43.78	49.66	26.69	51.52
1.19	3.23	1.09	1.52	1.48
21.99	22.17	16.22	16.51	21.79
30.45	25.31	33.24	28.20	28.47
10.25	14.59	8.96	4.78	11.92
64.59	58.56	69.56	43.93	61.53
24.38	19.21	22.59	19.38	22.61
0.70	1.94	0.40	0.90	1.14
4.18	10.07	3.28	2.74	7.86
33.64	21.61	20.40	21.21	27.31
8.36	10.81	8.86	16.01	9.28
48.57	68.90	50.95	35.72	65.62
31.45	31.31	25.28	29.52	29.14
4.08	5.17	4.28	4.43	4.83
11.05	9.05	12.84	10.48	10.16
69.76	76.57	65.18	51.95	69.83
17.22	22.72	25.97	36.67	21.43
34.53	38.05	32.44	35.97	34.05
188.19	153.14	192.05	229.85	164.82
9.95	5.26	9.15	6.07	8.30
12.54	13.30	16.02	25.21	12.58
9.16	9.98	11.94	13.31	11.24
103.20	105.20	98.32	70.08	99.69
43.49	46.09	47.17	56.32	48.90
52.65	48.95	60.90	84.93	52.15
20.40	20.87	19.80	22.60	19.88
18.81	23.37	21.00	22.40	21.48
2.69	1.11	2.09	4.67	2.17
12.94	12.56	8.46	13.01	11.30
4.78	1.66	3.48	9.16	3.02
41.10	16.07	21.49	99.72	23.58
7.56	7.94	5.77	6.07	6.96
10.45	13.39	14.33	5.90	12.70
271.19	130.14	160.41	633.79	171.37
22.99	20.60	23.48	28.23	23.87
39.81	42.40	37.52	38.83	39.02
25.87	28.73	19.01	16.22	24.90
10.55	9.88	8.76	7.45	9.57
11.25	13.49	10.75	7.96	12.56
17.71	14.96	19.50	10.92	17.65
17.32	21.15	14.93	15.44	18.49
13.24	12.47	11.84	10.07	13.11
1.49	1.02	1.59	2.12	1.53

11.74	10.16	15.82	14.66	13.98
4.88	7.94	5.67	6.18	6.71
17.12	14.96	9.25	14.06	13.62
58.62	56.80	51.15	54.91	52.38
8.96	6.28	6.07	9.85	7.16
65.28	62.62	62.99	71.27	64.11
22.49	25.22	28.96	30.28	24.06
10.95	12.56	13.23	15.81	12.34
0.70	2.77	0.90	1.77	1.60
82.90	61.42	72.94	59.58	71.58
60.41	60.68	63.09	55.18	62.59
6.97	4.53	9.06	11.17	6.81
2.39	25.40	31.15	10.10	17.23
79.42	107.61	81.90	36.63	96.97
75.83	133.84	126.97	76.98	128.58
4.98	0.28	3.48	0.88	2.88
8.56	1.85	5.77	1.45	5.43
11.35	9.51	10.85	14.65	10.99
32.14	30.67	31.15	24.14	30.50
77.82	82.57	82.29	130.04	77.21
3.78	2.86	4.48	3.12	4.17
6.97	9.51	7.86	5.22	8.23
7.96	5.63	8.46	6.05	7.34
3.98	2.68	3.38	3.48	3.17
66.08	63.64	73.74	88.01	68.48
9.45	11.64	7.56	12.12	9.31
5.37	6.19	3.68	22.10	4.38
2.79	3.14	2.39	2.72	2.71
71.45	33.90	79.21	0.19	60.54
0.70	1.02	1.09	1.57	0.83
19.31	42.86	12.34	2.50	22.92
235.26	198.49	235.64	4.80	199.14
361.95	349.60	539.54	490.10	371.84
1.39	2.77	0.70	1.29	1.47
520.88	330.21	490.78	529.78	420.19
0.70	2.31	1.79	1.39	1.45
536.80	790.46	827.23	1156.02	685.85
8.96	11.92	10.95	28.43	12.31
2.29	4.53	3.28	3.17	3.63
1.19	0.83	1.29	0.25	1.11
9.06	9.05	8.66	21.81	8.71
3061.20	2270.71	2216.39	15.32	2892.29
55.93	132.45	38.01	10.16	68.78
39.11	41.56	45.38	42.18	40.35
9.85	3.69	5.57	11.96	6.01
3.78	2.22	1.89	4.28	2.38
13.63	13.67	10.65	17.06	12.80

4.48	2.03	3.08	7.38	3.44
10.75	9.33	8.56	11.66	10.22
0.80	1.02	1.00	1.32	0.99
17.71	19.03	18.91	15.28	18.58
46.57	46.46	39.21	31.24	45.59
96.63	98.46	82.79	48.19	109.81
2.39	1.39	1.39	1.41	1.77
8.66	9.42	7.36	6.27	9.04
2.49	1.75	2.19	0.78	1.92
8.46	7.20	8.36	5.97	7.99
6.77	7.20	6.47	8.60	6.85
12.34	18.75	7.16	0.23	13.98
6.37	5.82	6.07	4.09	6.65
33.14	29.46	24.88	30.92	29.60
10.85	8.04	10.85	10.75	9.96
57.22	46.74	53.54	68.77	49.29
3.38	3.69	3.78	2.17	3.69
4.38	3.79	4.08	4.60	4.13
23.79	16.81	19.01	11.29	20.80
171.97	209.30	183.50	245.12	174.62
77.03	93.38	96.13	64.62	87.56
22.29	24.38	24.08	21.13	24.35
47.87	56.07	72.44	76.51	52.11
140.82	119.80	125.88	168.50	125.89
280.74	256.87	296.74	392.34	266.77
4.98	4.25	3.98	5.14	4.31
6.27	6.37	6.37	7.04	6.62
4.48	5.17	4.68	4.77	5.03
6.27	4.43	5.17	6.26	5.71
16.22	13.76	15.23	11.63	14.52
8.76	10.53	10.65	9.95	10.39
45.98	45.44	47.37	39.79	44.67
1678.09	458.69	517.85	177.68	811.07
8.56	5.54	10.15	11.22	8.05
10.25	9.88	9.15	12.25	9.88
49.16	49.97	52.84	57.92	50.81
38.12	46.27	37.12	38.40	38.99
1.69	1.75	0.60	1.61	1.17
15.92	12.47	13.53	12.50	14.17
5.37	4.16	6.37	5.20	5.81
6.47	5.17	7.07	10.73	5.69
42.79	38.61	39.90	53.24	39.51
44.48	32.79	39.90	67.70	38.20
29.46	14.78	22.19	21.23	20.81
10.35	7.20	11.24	10.17	9.41
4.28	4.06	4.98	2.58	4.37
43.99	37.87	41.00	52.51	37.22

1.89	2.31	1.19	1.64	1.66
40.60	52.37	38.51	40.86	44.93
106.29	147.69	113.44	141.96	125.51
0.30	0.74	0.40	2.49	0.39
21.10	29.74	21.69	19.17	22.02
12.24	9.14	13.53	25.43	12.27
139.43	145.75	143.39	103.86	141.30
24.08	31.68	26.87	17.43	26.43
13.04	12.38	18.61	12.52	13.63
1.99	1.85	1.89	3.99	2.54
187.89	264.63	309.38	352.06	225.70
8.06	16.16	15.82	26.22	12.38
47.17	52.93	36.92	30.17	53.07
5.47	6.65	4.78	3.01	5.36
24.38	21.89	18.61	23.22	21.43
562.68	363.27	391.57	671.45	415.62
29.06	26.14	24.58	34.24	26.16
237.45	194.43	200.21	220.55	210.11
13.34	13.58	12.34	13.26	12.94
9.65	8.87	13.23	7.50	10.15
7.46	3.97	8.06	6.24	6.61
74.54	94.40	114.14	139.16	88.73
0.90	1.02	1.59	0.91	0.94
0.80	0.83	0.10	1.61	0.68
7.96	7.57	6.77	7.77	7.41
2.59	2.68	2.99	1.87	2.82
22.89	22.17	18.81	21.31	22.15
8.56	7.11	7.26	7.70	8.04
11.94	10.25	11.44	11.75	10.59
1.19	1.66	1.29	1.43	1.48
7.66	7.39	9.65	10.57	7.82
1.79	1.48	1.09	1.27	1.50
30.75	22.81	35.82	31.44	30.74
18.91	17.00	17.51	24.75	16.29
8.76	8.13	11.05	13.05	8.94
10.85	12.65	11.44	11.47	11.55
15.13	13.67	16.92	13.42	16.07
8.36	8.77	10.55	8.86	9.26
11.54	10.44	11.64	11.98	11.22
3.98	4.71	4.48	6.02	3.86
10.35	8.68	11.44	9.32	10.78
16.22	13.39	14.03	17.63	14.64
15.23	15.15	14.73	12.57	14.68
30.65	30.02	33.24	20.64	31.08
8.86	6.28	7.76	9.43	7.65
5.97	5.26	4.98	6.64	5.47
10.15	10.25	9.85	7.44	9.62

6.87	5.63	5.77	6.81	5.74
12.14	9.70	10.85	14.17	10.89
21.79	21.71	20.60	19.04	21.64
13.44	14.78	15.13	9.04	14.53
9.45	10.34	10.15	10.50	10.36
18.41	17.27	18.81	18.60	17.82
7.26	6.65	11.24	7.53	8.59
13.83	12.56	14.83	11.73	14.25
9.55	9.98	9.25	10.24	10.32
7.96	5.91	8.26	8.30	8.31
8.06	8.41	7.96	7.99	8.16
41.40	37.13	43.68	31.92	38.64
6.17	2.40	6.57	5.05	5.24
13.53	11.64	11.94	13.17	12.53
5.97	6.37	5.97	5.40	5.81
34.13	25.95	28.46	41.93	27.79
10.15	9.51	9.65	7.22	10.01
23.09	25.86	28.96	20.36	24.97
20.50	19.30	19.40	16.91	19.92
35.33	28.54	32.64	31.89	32.21
14.93	13.49	15.13	11.79	13.73
9.85	8.31	9.15	12.67	10.14
10.05	7.67	13.83	10.62	10.00
34.33	30.48	33.73	28.45	33.22
18.31	15.98	15.03	16.16	17.95
7.07	4.25	6.27	6.46	5.75
12.34	9.79	8.66	8.90	9.78
8.46	6.47	6.57	7.91	6.92
10.75	10.62	9.85	10.24	11.06
10.05	9.33	11.15	13.75	9.84
4.38	2.31	3.98	3.57	3.65
11.15	10.07	11.34	9.32	10.92
15.72	13.39	14.93	12.58	16.19
6.37	5.54	8.26	7.87	6.56
11.74	11.64	12.64	9.83	12.29
18.71	14.78	20.10	19.38	17.44
3.38	3.42	3.78	3.09	3.85
20.10	18.10	25.28	20.90	21.36
7.26	6.74	6.07	9.09	6.35
2.59	3.14	3.58	4.40	3.27
9.65	12.93	12.14	12.47	11.33
10.95	11.36	9.65	10.94	10.64
4.58	3.69	5.97	5.03	4.73
5.37	6.19	5.67	9.74	5.82
7.86	7.67	9.85	8.88	8.59
27.27	28.63	25.67	24.13	26.71
23.69	14.96	20.80	20.23	21.14

10.25	9.79	10.05	11.17	9.95
7.17	4.53	5.37	6.01	5.69
11.84	13.95	16.52	16.97	14.21
45.08	49.32	58.21	37.42	53.09
11.35	8.77	10.25	9.58	10.43
9.65	10.53	10.45	8.73	10.59
3.68	2.03	2.29	2.17	2.63
10.85	7.02	7.86	6.96	9.02
8.06	7.48	7.26	9.57	7.82
35.23	32.97	35.92	42.74	34.68
3.88	4.34	3.78	1.82	4.07
47.37	21.98	19.40	1.64	36.74
1828.06	2846.33	1170.64	3.90	2383.01
1.19	1.29	1.59	2.11	1.27
8.26	7.94	11.64	10.31	9.71
9.75	11.55	13.43	14.78	10.86
2.89	5.73	2.09	0.03	4.29
41.70	52.46	48.36	72.04	43.49
14.23	14.04	18.71	15.84	15.50
8.46	8.68	9.25	9.83	8.46
0.40	0.74	1.69	1.61	0.80
2.79	3.51	5.77	7.40	3.96
66.08	66.87	65.28	78.83	63.57
0.10	0.55	0.30	2.12	0.40
63.59	68.81	92.54	108.40	71.58
129.47	161.82	153.05	139.56	148.59
41.30	31.31	31.64	36.93	33.77
40.70	38.24	39.90	44.60	39.06
164.11	131.81	153.84	165.77	146.63
378.87	290.30	265.99	163.75	321.77
2.09	1.39	1.39	1.36	1.37
47.67	40.83	34.03	31.92	46.10
10.65	12.47	14.33	13.39	12.52
74.74	67.89	61.50	116.38	63.34
4.48	5.91	6.17	6.92	5.97
3.88	6.10	5.57	3.49	4.61
86.18	109.55	73.54	0.74	100.24
7.86	8.13	10.45	6.76	8.98
8.26	31.13	23.88	21.23	23.74
856.46	283.38	245.69	20.27	553.87
2.19	4.43	4.28	0.55	6.42
121.61	48.12	31.94	5.94	91.27
1451.88	744.83	608.01	28.09	1222.60
12.54	19.21	17.31	14.72	16.31
53.84	60.96	57.82	59.05	55.56
12.34	14.13	13.73	13.99	13.24
10.35	12.65	11.05	6.45	12.17

12.24	12.93	7.96	15.08	10.02
122.81	108.07	116.43	147.35	113.78
32.14	26.60	30.15	18.67	32.04
2.09	1.85	1.00	4.25	1.42
133.45	130.60	114.44	116.62	127.99
20.80	29.93	24.48	26.94	25.15
4.18	4.16	3.98	5.08	4.28
12.04	8.50	8.86	9.67	10.16
16.22	14.13	16.32	16.94	15.39
14.03	15.89	17.02	23.49	15.02
12.04	12.47	9.35	10.91	10.93
14.53	13.02	11.15	12.94	12.55
5.67	7.11	7.96	5.97	6.42
1.89	4.62	3.18	2.49	3.24
39.41	31.87	27.76	31.32	32.75
24.78	26.14	27.66	24.88	25.52
4.28	2.40	1.59	3.57	2.60
4.68	6.93	7.16	7.45	5.96
7.86	4.71	5.57	5.10	5.83
65.78	67.33	64.38	69.96	67.49
58.92	52.19	58.11	61.69	58.02
15.52	16.07	17.91	20.59	16.42
4.08	5.36	5.27	5.02	4.97
17.32	27.34	20.00	20.52	21.59
12.34	13.02	10.05	10.93	12.23
5.37	6.37	6.07	5.85	5.50
5.08	3.14	4.78	4.02	4.32
8.76	12.75	12.14	10.08	11.35
13.53	10.16	7.96	5.55	10.94
15.23	13.49	16.02	10.26	17.28
25.87	22.72	22.29	27.04	23.59
18.91	20.69	20.50	12.36	19.16
34.43	34.54	35.23	62.01	32.43
10.95	10.81	10.55	9.39	10.60
57.62	44.61	59.31	52.69	51.94
230.78	240.33	210.17	128.38	235.16
53.04	56.62	45.08	50.30	53.71
47.67	45.44	44.08	43.55	44.84
4.48	5.26	4.98	1.51	6.96
1.39	2.03	1.39	1.66	1.71
34.43	35.38	36.12	32.36	33.14
4.58	3.05	3.38	4.82	3.16
9.75	6.28	7.36	5.43	8.00
55.43	55.79	53.24	55.34	55.29
21.50	22.63	26.37	18.29	23.81
61.30	77.03	62.79	64.85	63.82
22.79	18.20	25.18	22.04	21.72

5.97	4.71	5.67	4.76	5.89
14.43	12.19	16.82	14.76	14.90
8.46	10.16	10.15	11.79	9.69
2.49	4.99	2.89	3.98	3.66
221.73	320.88	354.85	194.11	290.28
102.90	108.25	89.66	68.91	100.39
50.75	20.04	21.79	36.24	27.85
7.26	5.26	6.47	7.89	6.49
10.25	7.02	14.43	13.41	10.58
16.72	16.35	14.73	13.70	15.93
7.76	17.27	22.39	22.34	14.86
3.98	3.14	2.59	0.32	5.33
2.49	1.75	1.00	0.50	1.40
13.73	12.93	13.73	13.83	14.52
21.89	18.01	21.99	28.14	20.46
0.90	1.39	0.90	2.07	0.95
8.46	6.93	8.96	8.78	8.39
11.84	2.31	4.48	1.07	5.70
43.79	38.89	41.40	31.45	40.68
6.17	6.47	8.36	7.48	6.89
36.72	25.59	35.23	47.60	32.24
6.77	5.73	8.16	10.93	6.43
24.98	19.86	25.77	21.11	23.87
42.30	27.80	24.98	26.85	30.52
114.05	131.53	94.14	18.60	117.63
3.98	8.68	3.28	1.22	6.73
15.13	26.88	20.90	16.14	21.16
13.14	4.71	6.57	22.33	6.96
20.00	18.93	17.51	32.65	17.84
12.44	15.06	16.22	10.26	12.60
118.03	459.06	326.49	219.25	286.19
136.74	106.68	105.28	116.51	109.94
42.89	88.49	106.67	175.19	73.91
48.47	46.64	55.63	52.25	50.12
31.25	33.44	32.14	26.29	33.46
27.67	13.76	27.37	62.75	20.13
20.70	13.12	20.70	49.95	16.50
94.34	206.25	109.16	0.65	146.73
49.46	49.78	67.37	31.71	50.84
6.07	5.45	4.88	5.90	5.77
447.93	514.84	502.33	280.55	505.83
0.60	0.74	1.00	0.98	0.90
48.66	43.13	45.87	29.87	44.39
42.79	35.75	42.89	44.84	40.71
7.76	4.90	4.58	14.19	6.55
18.61	15.61	15.92	19.54	18.00
403.35	340.74	237.93	212.24	332.88

1.49	3.23	1.69	2.09	1.76
19.61	14.59	19.70	63.44	17.39
1.89	0.18	1.69	15.29	1.07
1.00	0.55	1.00	0.69	0.92
0.00	0.18	1.29	2.29	0.43
1.29	2.77	2.29	1.98	2.06
364.14	351.36	242.41	142.65	319.06
185.30	129.96	145.68	149.86	158.14
18.41	12.56	14.93	16.21	15.89
0.50	1.20	0.60	1.02	0.64
156.24	145.84	137.62	119.51	150.93
8.36	2.86	5.37	7.54	4.78
4.78	10.16	3.08	11.36	6.24
13.63	45.81	24.78	25.46	27.50
16.52	18.57	8.26	6.48	14.72
3.78	2.86	4.38	2.36	3.67
32.94	36.02	32.94	33.69	34.28
182.32	180.39	176.53	114.60	195.61
0.40	1.48	1.29	12.61	0.86
1.19	7.11	2.09	0.29	3.33
39.31	55.60	37.02	30.24	50.76
25.58	22.08	25.47	21.95	22.86
2.09	1.11	2.09	1.90	1.76
15.23	23.46	13.63	17.20	15.73
261.83	225.74	204.89	127.59	239.69
113.45	110.01	102.00	119.15	110.47
87.28	72.78	93.44	104.65	82.38
1.19	2.59	0.70	1.85	1.28
2.69	3.05	5.47	0.66	3.69
95.24	138.73	92.64	75.42	112.12
34.83	35.47	26.97	7.95	34.48
36.32	113.33	35.53	43.16	63.06
132.36	149.82	141.70	154.45	148.08
194.06	214.93	217.63	187.84	204.13
238.05	343.23	235.04	31.49	280.72
7.17	4.71	6.47	11.72	5.56
1.39	1.94	2.59	2.90	2.02
28.86	23.55	39.90	21.51	32.58
3.68	2.22	3.78	3.33	3.24
51.65	60.87	54.83	59.33	58.44
60.51	87.93	90.45	74.51	80.46
29.46	19.21	20.80	42.61	22.01
0.80	1.11	1.39	1.56	1.17
37.82	48.49	46.87	38.09	42.70
23.69	28.82	23.58	18.55	25.71
43.29	39.81	41.69	41.62	41.65
8.46	13.12	6.17	6.63	14.04

2.69	2.77	1.69	2.34	2.17
7.36	7.20	7.36	9.53	7.95
75.14	143.35	137.22	132.27	118.85
3.78	6.56	6.07	4.91	5.62
26.07	19.49	26.27	19.92	23.86
20.80	31.31	22.79	11.68	25.95
43.59	89.78	98.12	90.86	72.77
18.51	20.69	17.81	21.84	18.83
10.65	9.24	10.05	10.75	10.07
2.59	0.83	1.79	2.76	1.56
147.98	260.47	224.59	213.75	208.23
13.53	11.55	11.84	13.45	12.96
1.29	14.22	2.09	10.24	5.89
3.98	4.53	7.96	6.42	5.00
50.85	47.75	39.61	42.52	46.71
22.79	24.29	24.78	20.91	24.72
4.38	3.69	4.38	3.00	4.06
14.93	15.98	16.62	10.39	15.76
115.24	99.75	118.02	78.77	110.56
6.47	7.94	5.37	6.55	7.91
35.73	36.67	30.85	48.21	34.56
7.26	10.53	8.36	16.52	9.00
30.05	25.68	25.28	23.08	26.85
28.06	39.62	41.69	43.35	35.49
25.38	22.91	24.68	17.66	24.21
16.52	18.01	17.81	14.00	17.44
19.70	24.29	20.20	14.14	20.44
84.99	67.70	63.89	48.74	80.00
14.33	19.49	19.21	22.64	16.48
13.24	13.85	11.84	13.62	12.80
10.15	9.98	9.25	5.76	9.49
1.79	2.49	2.49	1.19	1.95
6.77	7.30	6.77	5.89	6.34
0.50	3.33	0.60	1.22	1.64
2.89	3.42	1.19	4.08	2.44
22.89	20.51	15.72	8.99	20.71
2.09	1.57	1.19	2.07	1.69
20.40	52.19	45.68	42.70	36.26
22.39	17.36	20.50	18.95	21.31
2.59	1.48	3.18	1.91	2.73
104.20	83.68	82.00	111.77	91.96
34.33	36.95	37.61	43.86	36.85
26.57	34.45	29.55	20.64	29.68
5.87	8.41	6.57	8.27	7.52
41.50	44.15	48.56	50.42	44.44
20.20	28.08	26.57	19.76	24.36
29.96	29.56	31.64	26.08	28.44

11.84	16.81	15.62	11.41	14.00
97.33	79.62	84.19	60.55	89.91
5.97	6.93	10.35	6.21	7.67
46.87	41.93	48.36	69.71	43.51
3.98	3.79	2.79	2.40	3.33
24.88	32.42	32.24	25.58	30.85
7.26	8.04	8.86	8.53	7.62
1.19	0.46	1.00	0.69	0.82
1.59	2.77	2.59	3.20	2.24
24.78	33.16	31.35	22.77	29.42
20.20	14.22	12.54	8.77	17.23
72.25	30.11	42.29	102.65	42.92
6.07	22.35	11.15	9.05	17.40
41.40	46.09	39.61	48.72	41.81
25.18	29.65	31.74	39.15	29.94
15.33	18.20	19.70	26.17	21.04
5.87	6.10	6.27	4.03	6.07
38.22	39.16	46.17	46.63	38.94
109.47	97.17	84.78	62.91	95.20
7.96	12.47	10.65	1.38	9.41
48.66	50.89	28.56	220.10	39.51
74.04	44.06	43.88	91.47	50.31
4.48	2.12	1.89	4.67	2.69
26.67	20.32	22.59	51.76	21.63
37.72	20.87	22.69	64.28	24.36
26.57	17.18	16.92	61.52	18.17
17.12	8.31	9.45	29.07	11.12
28.66	29.28	34.43	42.85	29.03
35.13	42.12	33.34	37.01	36.07
28.46	29.56	35.33	42.98	30.60
26.77	25.03	23.78	29.15	25.49
21.99	20.14	17.91	21.99	18.45
3.38	4.34	3.18	3.23	3.93
19.31	21.89	15.03	2.41	22.96
61.70	55.51	52.84	37.60	58.61
78.32	58.74	76.42	29.83	72.15
189.28	192.21	170.76	170.35	186.33
0.30	0.00	0.20	2.23	0.12
41.50	36.48	33.14	62.29	35.70
9.85	11.45	8.56	4.72	9.99
63.19	55.79	65.38	68.69	60.04
26.87	26.42	28.66	21.36	29.23
18.11	8.59	12.64	22.53	12.39
28.66	29.00	22.69	36.34	27.29
111.26	99.94	103.39	127.25	103.43
104.40	127.83	91.15	76.33	109.38
44.39	46.64	39.51	42.16	42.58

23.69	18.66	21.10	25.73	21.07
69.86	63.64	72.05	77.93	69.79
76.83	65.67	62.89	25.53	68.74
121.71	129.31	133.94	127.10	130.05
101.61	115.09	128.27	126.74	115.54
1.59	1.20	1.89	1.90	1.77
4.58	6.56	5.97	5.56	6.01
6.67	7.67	5.37	7.21	7.07
60.91	56.71	60.00	51.44	58.33
33.74	22.35	28.66	44.89	25.89
32.74	11.82	18.41	50.48	18.55
28.96	19.67	21.49	39.81	23.85
50.56	46.00	42.69	57.50	46.90
198.14	165.33	173.25	222.57	172.25
80.11	71.95	80.50	75.93	74.68
17.12	15.89	16.82	16.56	15.71
10.85	8.04	17.02	32.04	10.90
15.13	18.01	22.09	13.65	18.26
1.79	1.29	1.00	0.53	1.34
112.26	282.73	135.63	33.78	175.84
37.82	56.90	63.19	79.97	53.68
13.53	15.52	18.81	15.59	14.36
1.99	1.29	1.19	7.24	1.50
25.48	30.76	21.00	19.10	25.91
25.58	29.46	28.36	30.38	26.72
10.55	8.31	11.54	10.02	10.82
22.49	19.49	20.90	23.72	22.22
11.74	9.98	12.44	14.96	11.82
1.99	0.83	2.39	2.84	1.74
19.11	18.75	16.82	16.44	19.00
6.57	6.93	7.86	10.02	7.23
4.08	2.12	2.79	2.85	3.07
53.04	35.56	53.14	38.03	49.42
138.43	114.81	114.04	236.71	107.41
7.17	5.17	6.67	8.42	6.52
9.16	7.02	10.55	13.51	9.36
19.21	16.72	18.61	19.86	18.43
20.40	16.63	15.42	19.59	17.56
18.21	15.70	18.61	18.17	18.12
10.45	10.44	8.76	11.82	10.13
13.53	11.45	11.34	11.00	12.18
13.44	10.99	14.53	13.34	12.67
1.89	2.31	3.68	1.87	2.60
3.28	2.68	2.39	4.03	2.53
6.87	7.39	7.56	6.51	7.41
4.78	6.84	6.17	7.06	6.09
7.36	6.10	5.37	8.13	5.97

23.19	19.95	26.27	22.26	23.22
27.87	24.11	26.87	29.75	27.07
11.44	13.02	13.63	15.80	12.15
8.56	7.20	7.16	6.71	7.56
13.24	10.16	9.45	12.44	11.31
32.14	27.71	33.04	33.83	31.40
10.75	12.10	10.95	18.87	11.73
12.24	10.53	12.34	15.35	12.69
17.71	11.73	15.03	16.17	15.88
27.27	20.14	25.67	28.07	26.38
12.04	8.59	10.45	16.92	10.14
33.44	29.00	34.83	35.21	32.43
28.46	26.42	26.47	28.08	26.75
68.97	56.44	60.50	53.58	63.49
19.21	22.81	31.45	29.30	24.24
14.03	12.75	13.33	16.07	13.28
25.18	25.03	25.67	27.66	26.67
18.81	15.06	21.20	27.46	18.41
8.96	7.39	10.85	10.23	10.08
16.32	13.76	21.39	17.43	16.88
24.98	23.09	21.99	23.36	24.87
32.84	34.18	23.09	21.74	35.41
11.44	10.16	11.84	11.33	10.98
2.19	4.71	2.69	2.78	4.51
58.82	74.26	52.64	22.61	67.86
0.50	1.48	0.60	1.84	0.80
1.89	2.96	3.98	2.40	3.25
42.40	43.23	36.62	35.22	40.00
37.32	36.95	33.63	37.39	36.57
19.11	15.70	17.51	25.42	17.37
73.35	70.20	83.69	80.40	67.22
5.08	6.93	3.88	7.86	5.33
31.25	26.69	29.06	36.00	28.69
37.52	37.78	25.77	29.86	36.60
2.89	4.53	3.98	3.27	3.83
21.30	11.82	14.33	8.91	14.96
4.98	3.33	3.08	7.86	3.60
48.66	44.34	52.14	74.82	49.42
0.40	0.37	0.60	1.44	0.69
1.79	0.74	2.49	1.69	1.57
9.85	2.31	3.98	11.97	5.27
6.77	7.48	8.26	7.42	7.21
39.11	30.76	35.43	27.09	36.20
1.39	1.48	0.80	0.76	1.23
159.53	138.36	150.66	170.25	141.75
51.85	39.90	37.61	36.34	44.78
5.57	6.74	10.05	4.77	7.99

90.36	94.49	91.05	86.51	88.96
36.52	44.70	46.17	46.29	44.22
47.77	42.03	48.16	46.73	43.99
60.81	49.14	62.19	69.53	56.42
30.15	23.74	28.86	32.46	28.71
33.74	37.04	36.92	27.65	34.06
13.73	9.61	6.37	12.68	9.79
12.74	18.01	18.61	15.36	18.62
76.53	61.42	70.95	66.15	71.64
196.25	135.50	145.58	184.12	145.19
6.27	10.53	3.68	8.34	5.94
79.32	76.57	78.91	81.13	77.36
15.33	15.06	17.91	13.07	18.86
12.54	9.14	9.15	18.40	10.52
0.50	0.92	0.70	1.21	0.88
24.68	9.42	9.45	39.01	13.04
0.90	1.85	1.79	1.07	1.39
32.64	42.03	47.96	43.95	40.60
8.26	7.76	4.88	6.46	7.02
18.91	25.77	24.88	19.56	23.95
55.63	56.99	50.25	66.82	54.26
5.47	44.06	21.69	36.83	22.26
359.96	485.38	513.27	718.63	468.89
33.64	40.92	38.91	53.37	36.35
49.06	31.68	69.46	116.99	41.69
8.76	6.84	6.77	8.03	7.93
47.47	46.92	40.50	45.35	45.18
10.05	11.36	8.06	2.99	9.29
2.29	1.57	1.19	0.22	4.23
391.61	413.24	379.83	351.15	410.57
95.44	104.10	83.19	56.32	95.05
6.77	6.28	7.36	6.62	8.13
19.90	23.00	22.29	45.30	21.48
41.60	102.34	91.05	110.80	75.42
64.59	102.25	101.80	121.43	88.12
35.93	60.68	57.72	66.80	48.90
63.59	76.85	43.09	9.46	58.10
90.06	91.44	95.43	133.35	93.29
72.15	55.88	43.39	14.80	68.96
105.09	117.67	89.16	16.63	118.32
211.98	308.96	220.61	23.51	272.61
9.85	10.16	9.35	3.83	10.62
6.67	8.41	6.57	3.70	6.74
20.50	20.23	15.82	5.72	22.72
27.27	33.53	44.88	26.94	34.53
193.66	115.46	111.15	8.22	152.73
26.67	23.83	22.59	21.52	25.53

42.99	64.75	62.49	59.76	57.39
26.77	19.40	21.49	15.89	24.68
23.98	38.15	27.86	23.80	29.73
19.51	15.98	19.80	25.04	18.30
16.82	17.27	16.22	19.99	16.46
1.19	1.29	1.00	1.44	1.12
29.76	25.40	26.87	37.14	27.20
11.74	10.34	11.54	8.77	11.00
103.60	75.19	112.45	57.17	97.87
33.44	31.96	35.23	37.03	33.21
17.61	14.22	13.53	18.13	15.79
36.42	33.53	27.66	34.12	33.34
3.88	1.75	3.28	2.00	3.15
1.29	1.94	3.88	2.18	2.54
26.07	22.35	23.58	22.65	23.91
41.30	35.01	39.80	49.86	39.26
10.85	12.65	14.53	17.03	13.30
0.70	1.66	1.99	2.74	1.43
3.09	2.86	1.69	0.72	2.73
9.35	15.42	12.04	14.10	11.86
40.31	53.94	55.23	59.71	46.90
31.65	63.09	17.61	30.83	33.23
674.94	306.10	614.18	662.33	469.54
6.27	5.82	5.67	6.63	5.92
17.52	16.44	22.39	13.85	19.52
9.85	13.49	10.15	15.29	10.71
32.94	30.30	30.95	46.61	31.41
13.53	12.01	21.69	18.08	14.59
13.83	24.29	12.74	13.29	17.04
5.77	6.93	6.47	6.73	6.59
9.55	10.44	8.66	16.70	8.58
27.67	21.43	19.11	18.42	23.08
2.79	3.05	2.09	2.66	2.99
19.21	18.20	23.09	13.57	21.88
8.86	9.05	7.07	7.68	8.52
90.36	88.67	90.55	80.67	91.10
24.98	13.95	15.32	61.97	16.66
9.45	13.58	11.84	11.24	9.98
72.55	85.71	72.14	71.90	73.16
39.81	45.26	39.61	36.76	40.39
5.57	6.19	4.18	4.61	4.87
14.93	15.70	13.53	10.12	15.05
17.22	16.90	13.83	15.73	16.25
8.76	9.79	8.06	10.23	8.77
1.59	3.23	2.09	3.92	2.23
2.09	3.23	1.49	2.74	2.27
2.09	4.34	3.98	1.94	3.36

20.80	19.40	21.30	17.39	20.14
2.49	2.86	2.29	1.78	2.86
1.19	1.20	1.09	0.57	1.16
130.77	149.91	154.54	205.97	142.93
11.64	19.67	13.63	27.87	14.20
4.88	5.73	7.46	4.95	5.78
105.69	100.96	99.91	86.05	100.41
1.49	1.39	2.49	5.52	1.82
9.65	7.76	3.38	14.51	6.68
21.89	32.60	27.17	23.12	26.86
12.84	12.01	12.84	22.58	11.88
0.50	2.49	0.30	0.67	1.04
2.29	2.31	1.39	2.14	2.38
4.88	6.37	6.87	9.71	6.42
2.59	2.59	1.89	3.51	2.68
41.00	34.91	34.13	32.53	37.17
4.68	5.36	8.86	8.13	6.77
3.48	3.23	5.37	7.79	4.19
9.75	9.98	10.45	9.01	9.88
6.67	12.84	9.25	11.69	9.12
6.27	4.62	6.47	7.06	5.60
10.65	9.70	11.64	8.94	10.62
9.75	14.69	12.94	5.15	13.76
22.69	17.18	20.10	21.30	20.01
1.59	0.37	1.19	0.65	1.33
12.64	9.79	15.03	8.16	12.20
11.05	15.33	17.22	22.18	14.37
31.25	27.99	31.15	25.63	32.10
13.93	12.84	9.55	7.12	12.52
36.22	31.03	30.35	49.52	32.26
24.28	21.06	22.59	16.80	22.60
19.51	17.46	18.71	13.85	19.22
20.30	23.65	24.58	16.29	23.07
12.64	14.59	10.85	8.66	12.77
8.36	14.78	11.94	11.77	13.47
5.77	6.56	5.67	5.13	6.49
4.68	5.08	3.38	2.43	4.86
81.01	77.49	55.63	5.63	73.01
12.14	21.15	20.80	204.05	16.62
24.28	18.84	23.98	23.49	22.08
23.39	20.32	21.30	26.87	22.03
6.57	5.54	8.76	7.18	7.11
17.91	20.60	23.29	8.15	22.80
102.11	145.66	158.12	240.83	138.82
7.17	6.00	9.45	10.68	7.83
13.24	10.62	10.95	16.76	12.52
33.24	37.13	45.08	39.34	39.47

15.92	18.84	17.41	21.82	17.18
28.76	28.45	27.86	30.81	28.21
23.39	32.33	27.86	39.82	28.34
44.58	38.15	41.30	34.91	41.23
16.42	14.50	17.81	12.60	16.57
31.45	32.05	40.70	24.97	34.70
12.14	9.98	10.05	6.16	11.07
28.56	23.37	26.37	21.66	27.75
27.27	27.43	41.10	43.26	30.36
37.92	42.77	49.56	42.80	41.65
9.85	6.47	7.76	9.03	8.26
1.69	3.69	2.19	0.47	3.09
285.32	188.98	188.47	1.74	208.94
23.69	25.95	26.57	20.20	26.85
21.99	28.26	21.39	17.97	23.41
293.18	320.23	276.04	209.65	299.51
15.13	24.38	17.61	14.50	16.77
4.08	5.45	4.08	4.50	4.48
1.19	0.74	2.09	0.24	1.79
13.53	10.25	14.33	21.19	11.93
3.98	3.69	1.39	1.72	3.02
5.37	4.06	8.16	8.40	5.41
0.80	0.65	1.69	1.12	0.94
3.58	4.53	2.69	2.66	3.87
9.85	4.25	4.58	4.53	6.56
32.84	57.17	51.05	51.89	47.29
45.98	36.58	40.80	58.78	38.41
45.28	44.52	47.57	54.64	47.28
399.17	410.29	313.16	104.99	410.65
8.16	6.47	6.77	12.95	7.24
140.02	140.30	121.40	82.96	134.78
15.92	12.56	14.23	16.14	15.86
15.82	22.17	23.38	31.55	22.04
12.34	13.67	13.73	23.71	13.47
1.39	1.48	0.60	0.00	1.81
44.48	37.96	38.91	46.40	42.11
1.29	0.74	1.00	1.26	0.79
7.36	5.73	7.56	10.72	6.33
4.08	8.96	3.78	10.39	5.59
0.60	2.31	0.90	1.34	1.11
32.94	39.81	34.83	29.85	36.49
5.97	2.49	3.38	51.98	4.04
9.45	9.24	8.76	9.98	8.50
12.24	13.58	14.23	13.01	13.11
117.23	71.31	95.13	109.88	91.88
0.10	1.29	1.09	0.76	1.25
21.60	21.15	24.08	23.49	21.00

5.97	6.74	9.55	8.76	7.65
0.80	0.00	1.00	1.08	0.48
30.95	42.86	29.46	15.06	35.35
173.46	225.46	232.46	189.69	231.05
45.38	47.38	43.98	25.52	46.94
11.15	11.36	12.24	8.77	11.72
17.12	19.86	19.40	18.87	19.27
36.42	45.81	47.96	41.09	43.38
3.28	2.59	3.58	2.02	3.50
7.26	9.14	6.47	5.77	7.05
16.62	14.32	14.43	13.88	15.26
81.61	84.24	70.06	32.74	80.98
4.78	14.04	5.37	5.21	8.19
14.13	12.93	12.54	16.15	14.64
18.81	14.69	17.61	13.82	16.69
2.09	1.29	1.29	1.11	1.58
10.65	7.94	12.14	12.34	9.83
1.69	10.16	0.60	1.53	6.43
4.98	3.23	3.58	4.69	3.77
15.72	11.64	12.24	13.51	12.96
114.84	98.65	109.56	98.85	109.14
17.22	31.50	30.05	21.27	27.39
23.79	7.94	10.05	2.17	13.03
63.49	78.05	79.31	81.82	73.62
18.71	17.92	16.72	22.67	17.88
133.16	94.03	90.36	437.64	91.76
6.27	14.04	16.12	16.79	11.51
0.90	0.55	0.40	1.44	0.62
38.31	40.27	34.73	26.21	39.54
31.75	5.08	6.97	12.85	13.32
118.73	89.69	118.62	499.11	96.18
18.81	11.18	12.14	21.18	14.32
0.40	2.86	2.29	1.64	1.42
49.36	73.43	39.80	43.64	49.65
377.67	339.90	284.20	132.81	364.37
2.79	1.75	2.89	2.98	2.33
24.88	18.66	22.59	29.84	20.95
25.58	26.97	22.39	24.41	25.96
42.30	32.88	34.43	43.41	37.63
9.35	7.94	7.07	17.00	7.64
21.99	19.40	25.38	24.43	23.10
38.41	38.52	39.21	36.41	37.81
6.47	6.37	4.78	7.18	6.55
22.49	14.87	16.02	18.23	17.10
33.64	33.53	51.15	35.14	36.81
21.99	23.65	29.65	31.17	24.82
45.28	56.16	57.52	51.27	55.14

25.87	32.60	25.67	32.04	27.70
6.27	5.63	5.17	4.00	6.42
2.79	2.77	2.69	2.59	2.66
18.81	20.23	29.26	27.67	21.30
4.88	8.50	5.77	7.88	6.36
10.35	13.58	20.40	22.83	15.19
45.48	90.06	52.84	56.42	59.47
3.68	3.60	4.48	9.32	4.27
21.30	31.31	30.85	26.86	26.89
4.18	3.88	4.28	6.30	4.19
60.51	62.81	65.58	99.33	60.77
65.78	48.03	67.87	15.89	62.91
307.31	149.35	358.54	129.55	301.37
5.97	6.47	7.26	8.52	7.07
44.39	39.16	38.41	34.28	43.91
10.65	10.99	13.14	9.45	11.47
0.80	4.62	0.90	1.23	2.52
14.23	12.19	14.03	12.24	13.62
5.77	1.57	2.09	0.93	3.62
0.90	1.02	1.19	1.44	1.03
1.00	0.28	0.30	3.61	0.39
43.19	92.00	90.95	48.70	73.17
0.60	4.25	3.18	14.54	2.20
16.12	9.14	13.93	23.45	11.38
4.58	4.25	1.69	0.76	4.24
43.59	39.07	35.62	42.33	38.19
11.35	12.38	15.32	14.74	11.94
8.86	10.99	8.96	10.04	9.73
2.49	3.05	3.18	2.93	2.87
552.33	421.74	404.71	439.14	460.39
44.78	37.96	36.72	71.27	40.57
416.88	498.68	534.67	749.48	496.78
51.35	48.03	47.27	47.98	48.94
15.72	14.22	14.23	14.90	14.07
5.87	6.84	6.87	6.91	6.44
32.34	33.16	29.16	30.79	31.02
4.98	2.86	3.78	7.09	4.86
13.34	19.40	15.13	14.83	15.25
1.29	2.49	1.29	3.53	1.49
1.19	1.66	1.29	2.25	1.35
49.06	43.60	48.66	42.06	45.02
12.44	16.35	25.18	28.30	16.74
4.08	5.63	5.87	6.58	4.84
1.99	1.94	2.69	1.09	2.41
5.37	6.74	6.57	8.33	6.34
9.85	9.88	12.64	12.79	10.78
6.47	5.08	6.37	6.20	5.99

24.58	23.00	24.78	25.12	24.31
1.99	1.75	3.18	2.17	2.30
70.36	68.07	72.34	66.26	72.20
30.55	108.34	68.16	160.13	63.95
11.05	10.81	11.24	10.88	10.99
1.99	2.77	2.29	1.71	2.36
11.05	15.15	15.42	15.03	15.08
2.09	3.51	1.89	2.35	2.66
36.13	47.48	42.49	31.81	40.84
21.00	7.30	13.73	36.26	12.15
8.16	8.31	10.25	8.05	8.99
140.32	176.97	141.20	175.05	156.99
336.77	345.72	327.79	250.93	317.44
36.32	50.80	42.49	30.00	43.64
28.46	32.24	26.67	35.14	29.23
26.27	33.44	39.31	34.51	31.86
31.25	31.59	31.64	39.71	31.76
68.57	71.86	67.27	63.03	67.20
31.85	36.48	33.53	39.83	33.45
35.43	32.88	33.73	40.67	33.18
24.08	24.20	21.79	19.84	23.20
40.70	36.58	37.42	62.64	37.20
1.49	0.83	2.59	2.53	1.61
78.82	113.89	105.98	98.28	97.94
15.62	16.53	15.52	16.54	15.96
10.85	12.75	15.82	20.48	13.45
20.80	20.97	20.70	28.95	19.34
34.63	30.30	31.45	36.71	31.89
17.32	12.56	10.85	12.23	13.40
37.52	35.93	39.61	44.92	37.58
34.23	24.66	24.28	36.74	27.14
4.48	6.00	7.36	5.48	5.98
19.11	15.70	17.02	24.60	18.86
38.41	38.33	36.82	39.56	36.69
26.07	27.89	31.64	28.46	28.70
102.80	116.38	103.79	98.16	109.22
5.87	5.63	4.68	6.62	5.28
113.85	87.84	88.56	42.62	98.83
1.00	1.48	1.59	0.75	1.52
46.18	66.78	77.92	77.45	63.09
39.01	12.47	15.03	59.34	19.18
28.56	23.09	26.97	29.70	24.86
18.91	20.04	18.91	15.16	18.95
27.87	32.88	28.46	28.15	29.78
22.29	17.36	12.64	19.87	15.41
22.09	19.86	25.87	14.98	21.69
1.39	1.39	0.40	1.56	1.02

29.36	26.23	24.68	36.01	24.90
5.67	5.54	4.28	9.41	4.98
7.66	8.96	7.66	6.29	7.21
35.83	48.68	34.33	34.74	45.18
57.12	66.04	54.53	75.07	56.83
41.10	40.36	20.70	18.88	35.64
31.45	25.95	29.16	25.99	27.54
463.46	304.25	426.80	573.56	383.95
392.60	275.89	301.71	297.25	339.50
77.43	80.45	84.68	127.77	77.28
20.50	14.87	17.91	17.65	17.99
83.60	78.79	103.29	98.12	82.71
3.48	3.33	5.08	3.69	4.08
98.32	141.69	168.87	193.63	126.15
6.77	7.30	7.66	3.88	6.54
42.89	39.26	34.83	31.15	39.47
32.44	41.19	47.47	44.12	40.22
28.96	22.91	20.70	32.30	25.81
26.07	26.14	21.69	26.76	23.34
1.49	0.92	0.70	1.47	1.16
14.73	17.73	17.61	13.81	16.97
0.00	2.22	2.09	2.24	1.71
50.75	49.42	50.55	51.65	50.69
22.69	15.42	20.50	21.42	19.23
7.66	7.20	8.86	6.84	7.73
19.11	17.36	21.39	20.85	19.77
16.12	18.29	14.73	12.20	17.90
40.31	45.81	43.98	53.85	44.58
7.76	5.45	7.26	7.65	6.48
1.69	0.92	1.69	15.75	1.20
381.95	465.98	408.79	232.44	431.93
3.38	1.48	1.89	8.74	1.88
0.70	0.46	0.60	1.76	0.47
4.58	4.53	4.58	3.19	4.34
13.34	20.97	15.72	0.49	20.78
22.69	37.04	14.03	3.11	24.53
0.60	2.68	1.00	1.97	1.10
13.34	20.87	10.25	8.77	13.99
274.17	287.81	131.35	26.90	222.83
103.00	104.56	98.81	30.55	90.36
1.69	2.31	4.48	4.12	2.88
2.49	5.82	3.28	3.93	3.94
0.00	2.49	1.69	0.95	1.08
24.48	26.32	23.88	25.53	25.65
0.60	0.55	0.90	0.83	0.67
15.82	15.24	13.83	17.37	15.01
33.94	62.16	54.43	40.00	61.97

3.68	6.19	6.27	9.65	4.82
111.66	91.26	74.43	31.43	102.80
1.29	1.20	0.70	1.15	1.08
11.05	6.28	5.87	8.13	7.13
6.47	5.63	4.38	2.96	5.76
30.75	26.88	24.18	19.88	26.77
7.36	9.42	7.26	8.09	7.72
2.29	2.03	2.49	6.87	1.89
28.16	34.64	33.93	32.15	31.63
9.85	13.12	11.94	16.23	11.16
32.05	38.52	37.91	36.79	35.11
6.97	6.56	7.16	12.23	6.75
10.55	8.13	8.36	13.18	8.75
25.97	30.11	3.38	0.55	17.74
52.65	59.85	56.92	55.15	56.88
10.65	12.84	9.95	6.40	11.45
50.16	45.07	41.10	47.27	46.55
341.55	214.38	240.52	248.26	269.88
45.88	39.90	41.50	49.85	43.97
21.30	11.64	15.03	19.77	15.49
17.71	21.89	21.00	19.88	19.60
31.45	32.42	26.77	32.99	28.72
27.96	23.92	22.59	21.73	25.82
4.08	6.65	2.69	0.42	5.15
118.23	73.98	84.09	30.76	91.30
26.87	15.33	20.50	12.68	25.71
3.48	5.91	6.27	4.53	5.30
92.45	91.90	81.00	101.95	87.21
49.96	55.05	54.43	46.38	54.16
2.29	2.40	1.39	1.95	1.96
26.47	26.51	26.57	21.55	26.04
10.85	10.81	11.15	9.82	11.26
7.36	6.10	5.57	5.73	6.31
2.69	2.96	2.79	0.60	3.56
9.55	8.68	8.06	8.85	8.94
410.02	346.46	287.68	17.06	389.99
5.08	4.06	2.99	5.48	4.14
40.70	34.36	34.73	46.39	35.62
113.95	97.17	93.14	102.08	102.99
50.26	36.48	39.70	41.18	42.85
52.25	39.35	52.14	35.36	48.15
21.70	19.03	24.88	20.00	22.43
1.89	10.25	6.87	8.41	6.27
6.27	5.54	6.07	7.44	6.18
39.41	42.49	38.61	39.36	39.09
56.73	56.16	59.11	54.10	61.91
57.92	49.14	63.49	73.90	54.79

16.12	17.73	21.49	20.44	17.47
21.10	28.36	23.48	29.76	25.05
24.58	18.57	25.38	19.43	21.96
1.99	3.14	2.99	1.28	2.94
46.87	38.89	46.57	23.13	44.98
65.98	92.83	71.45	44.26	74.77
2.39	2.31	2.59	3.72	2.64
3.09	3.97	3.18	4.52	3.41
38.02	40.27	47.76	35.48	41.24
0.90	1.20	1.89	0.65	1.15
4.38	3.42	3.58	3.09	3.70
22.19	19.86	18.91	27.37	19.44
0.80	1.85	2.29	1.36	1.86
15.33	11.82	13.53	20.30	14.21
9.45	9.79	10.35	4.95	9.73
0.10	1.11	0.20	1.88	0.51
9.75	9.33	9.06	12.66	9.28
179.23	126.36	157.33	285.85	149.38
15.33	15.33	31.94	16.52	19.31
158.53	129.77	129.76	246.17	137.57
18.71	11.45	17.12	50.66	14.85
482.67	381.84	367.59	628.60	390.76
461.97	365.21	470.09	892.97	394.90
23.79	8.96	21.39	30.34	16.09
1101.08	707.70	816.38	1544.16	864.66
7.66	7.94	9.45	16.18	7.87
69.27	70.01	85.88	77.06	72.04
13.14	12.75	11.74	15.17	12.82
665.08	706.78	708.91	314.27	704.26
0.70	0.74	2.19	1.89	1.06
0.70	1.39	1.19	1.86	1.23
0.80	1.94	1.00	1.28	1.60
132.36	118.23	140.91	89.15	129.09
16.62	13.95	13.63	15.49	14.02
3.38	3.51	3.08	3.62	3.25
49.26	45.91	59.31	58.98	49.57
9.95	11.18	13.04	9.96	11.07
18.51	25.40	21.39	13.68	22.39
44.29	73.25	43.09	32.09	57.74
2.79	3.05	2.29	7.10	2.41
196.35	134.02	154.74	95.65	169.42
41.30	42.40	44.28	60.77	41.62
8.96	5.63	8.36	5.21	7.35
140.42	152.03	166.08	178.33	148.88
97.73	75.92	93.24	104.89	85.25
19.80	12.75	14.73	15.87	16.18
27.07	23.28	29.65	7.09	27.73

0.10	0.65	0.50	1.31	0.37
19.51	19.12	15.92	15.08	18.25
2.19	1.29	2.29	0.19	1.88
30.45	31.59	36.02	30.75	32.03
10.05	11.08	9.75	9.32	10.88
26.67	24.66	27.37	21.58	27.06
26.07	23.92	20.20	9.29	21.75
1.59	2.40	1.99	5.79	1.81
18.51	17.92	18.31	18.72	17.98
79.12	71.68	73.24	63.68	73.31
1.99	2.22	2.09	1.00	1.83
32.84	29.46	28.56	34.97	31.24
20.50	13.21	30.15	38.23	19.15
17.12	13.58	19.01	19.68	15.90
2.59	3.51	3.18	0.85	3.49
47.57	59.58	40.80	53.44	51.73
9.65	7.57	6.37	19.28	8.55
5.77	5.17	6.37	6.89	5.62
10.15	5.63	4.28	6.16	5.93
1592.10	858.81	1224.37	927.27	1184.68
3.38	1.85	2.69	5.10	2.99
15.72	15.52	12.54	33.60	20.67
16.52	21.61	23.48	17.46	20.52
81.90	91.44	87.17	78.30	89.50
19.90	13.95	15.72	15.66	16.62
10.65	10.90	12.74	14.57	11.60
20.30	19.12	19.21	20.51	19.83
23.79	21.43	24.28	28.70	22.83
10.35	12.56	14.63	11.94	12.29
2.19	2.96	4.48	5.57	3.57
1.89	2.49	2.69	2.50	2.49
22.79	23.09	22.89	21.95	22.56
45.08	54.40	49.56	37.79	48.56
42.30	39.26	42.29	68.11	41.00
40.60	115.73	148.77	10.71	100.14
75.83	64.75	69.46	61.66	68.42
17.81	13.85	12.04	14.91	15.25
14.43	10.99	30.25	40.42	16.22
45.48	42.95	68.16	295.10	65.29
377.97	265.27	311.27	210.41	318.33
350.80	249.29	311.47	979.01	265.68
2.49	2.77	2.79	4.29	3.02
5.67	4.62	4.98	22.03	4.57
2.09	2.31	2.29	2.05	2.49
5.17	5.63	5.57	0.72	5.55
6.67	4.71	4.38	8.88	5.17
72.05	60.41	62.29	29.33	64.94

3.88	5.36	2.89	3.71	3.95
1.09	1.66	0.60	0.99	1.09
5.57	4.06	4.58	8.25	4.31
29.56	32.33	34.33	30.42	31.50
84.69	72.88	83.99	96.50	81.82
27.57	24.75	31.64	30.57	28.38
126.49	74.63	84.48	19.34	85.80
28.06	22.72	25.67	17.55	25.74
97.13	86.92	100.51	122.27	87.02
10.15	13.67	11.64	3.34	12.40
22.19	24.94	21.20	17.56	22.64
10.85	16.63	12.84	14.62	12.82
3.38	7.48	2.89	1.25	4.23
18.61	19.77	19.11	24.93	18.92
21.00	19.86	24.08	27.93	21.66
17.42	23.28	23.09	7.34	20.36
31.95	41.47	41.00	23.66	39.78
26.27	27.43	30.55	27.13	26.43
30.15	31.50	35.43	24.44	33.61
5.37	8.77	6.17	4.20	6.47
6.17	2.96	2.09	8.06	3.40
11.94	12.47	7.86	12.97	10.31
19.70	16.90	12.44	17.33	16.37
45.68	69.09	50.85	46.85	56.62
25.38	26.69	25.28	27.98	26.44
9.26	12.56	9.45	8.85	11.54
2.39	2.22	3.98	4.11	2.40
2.89	1.11	2.59	1.00	2.47
78.22	113.79	81.10	87.55	90.79
16.72	14.96	17.61	26.94	16.33
14.03	11.36	11.74	10.63	12.12
33.74	9.51	17.51	52.19	17.94
65.38	75.46	72.54	95.60	69.19
13.63	17.46	18.01	24.32	15.59
80.41	95.14	98.02	81.22	90.58
27.17	17.09	22.29	24.78	21.31
0.80	0.55	0.10	1.43	0.61
121.61	105.02	68.86	58.90	104.52
36.82	35.65	28.76	52.03	31.31
13.53	9.33	11.94	11.37	12.99
101.51	93.01	86.67	120.60	90.38
327.91	279.04	278.03	251.80	289.40
19.41	23.37	14.73	21.29	19.46
11.54	11.45	12.54	12.11	12.39
12.24	9.88	12.14	12.67	10.55
2.59	11.64	5.27	3.87	6.58
26.97	21.89	21.30	49.62	21.96

11.54	14.13	14.13	19.99	13.96
4.88	6.84	3.18	3.65	4.51
4.68	5.91	1.89	6.75	3.69
1.29	1.48	2.49	7.20	1.41
18.21	18.93	24.88	11.58	20.62
1.29	0.83	1.39	1.45	0.94
2.49	1.66	1.99	2.84	2.26
1.29	3.97	2.49	8.35	2.25
1.29	0.83	0.80	0.86	0.98
6.27	4.80	6.77	5.57	5.82
3.28	5.45	3.68	3.18	3.86
9.85	16.07	27.76	20.77	17.30
77.82	81.19	79.71	72.37	77.17
5.17	6.19	8.16	6.57	6.74
48.17	43.04	47.96	46.33	45.37
21.40	20.60	19.60	19.50	20.61
8.16	8.41	8.06	5.05	8.56
5.17	5.63	5.87	6.02	5.40
24.68	28.63	25.87	25.83	26.99
34.13	39.16	37.32	37.47	37.50
13.73	14.13	8.36	6.04	15.15
139.03	152.50	144.09	191.96	143.41
32.44	24.29	26.27	33.59	27.13
121.31	111.21	101.60	71.00	110.43
43.29	67.33	42.89	26.26	50.34
56.63	37.22	59.91	114.02	46.46
125.79	111.39	114.24	118.61	115.57
85.19	101.69	97.82	202.46	92.99
122.61	107.51	107.17	72.70	124.07
69.27	80.91	83.59	72.30	75.90
13.04	17.83	16.22	15.88	15.53
23.88	28.54	17.22	24.15	22.46
69.96	50.80	71.65	139.64	58.24
0.80	0.83	0.60	2.48	0.97
0.90	1.29	1.09	1.81	0.85
55.23	47.11	33.34	7.71	47.18
24.88	21.71	18.51	23.77	22.08
7.07	7.85	8.36	8.29	7.71
25.78	25.03	23.58	32.84	22.54
15.52	15.24	14.23	35.69	15.42
19.01	13.49	19.40	16.70	17.68
0.70	1.57	1.29	1.57	0.95
29.46	21.15	25.38	37.30	24.84
98.03	159.88	100.60	165.29	136.44
14.03	13.67	16.32	15.03	15.55
19.21	15.15	18.61	18.69	18.58
35.73	40.64	34.43	35.48	38.18

10.45	7.57	8.56	8.66	8.89
2.79	2.68	2.79	3.67	3.14
141.81	156.37	128.87	112.02	143.41
6.37	4.90	5.67	6.39	5.65
28.66	28.08	28.16	37.73	29.69
344.53	233.41	262.41	214.84	291.85
12.84	17.00	14.43	14.77	15.45
19.21	15.89	15.52	25.16	15.91
21.70	17.55	18.31	20.79	20.10
44.48	53.39	69.26	67.26	51.92
1.69	4.25	2.79	2.70	2.69
3.98	3.23	4.08	3.71	3.42
0.30	2.86	0.70	1.27	1.12
9.95	12.01	6.07	14.99	8.84
79.91	69.83	65.28	123.95	68.78
11.35	11.73	11.84	11.36	10.91
336.27	351.45	218.42	46.54	340.46
0.10	1.02	0.20	0.83	0.39
21.30	17.36	21.59	27.74	19.89
0.60	1.29	0.70	0.81	1.06
14.33	11.08	12.04	12.39	12.84
32.54	21.52	19.40	13.74	26.92
15.23	10.16	12.44	25.87	12.30
44.19	32.14	34.63	39.17	37.02
7.96	23.55	16.02	11.44	15.26
1.89	3.23	3.48	3.53	2.97
3.98	4.71	3.68	4.55	4.10
1.99	4.16	1.19	1.12	2.02
24.78	16.26	13.83	1.31	21.89
1.39	3.23	6.57	0.90	3.30
355.88	325.13	294.45	341.60	321.27
25.58	39.35	21.30	15.80	27.21
94.05	52.37	71.95	208.80	66.14
51.45	49.23	51.05	54.82	49.08
26.07	19.86	25.77	23.43	22.25
15.13	13.95	15.13	12.14	15.06
1024.35	1082.06	1500.71	1346.80	1174.83
304.23	237.47	267.98	291.30	261.64
35.93	29.74	30.35	53.94	35.62
528.74	311.18	298.03	380.05	368.61
2.89	2.40	3.88	3.54	2.67
129.97	211.52	214.34	157.95	173.52
7.56	9.33	7.96	6.28	8.64
39.61	37.13	30.15	14.15	37.01
3.48	3.14	3.28	5.09	2.95
14.63	9.98	14.13	16.18	14.39
6.57	3.88	4.48	4.36	5.28

33.04	33.44	29.26	13.83	31.82
87.08	108.34	87.77	79.83	99.65
11.44	15.15	8.86	11.22	13.12
47.77	55.60	66.47	71.23	53.04
15.82	14.41	13.63	9.19	16.24
24.58	24.20	23.38	17.30	22.81
54.24	57.54	53.64	68.56	54.86
394.69	254.10	338.63	91.82	319.78
25.08	28.54	26.27	24.92	26.13
13.93	15.06	14.83	12.60	14.68
121.81	123.40	129.76	108.77	123.54
147.29	316.35	331.57	297.13	255.81
2.69	2.22	4.08	3.69	2.69
9.65	7.85	7.46	9.85	8.58
120.72	115.92	130.46	173.95	119.87
96.93	79.90	55.53	10.87	88.90
5.17	4.25	5.37	5.58	4.30
30.45	23.37	24.58	39.82	24.56
22.89	24.85	37.91	61.17	26.97
4.98	6.19	5.57	8.04	5.86
2.09	2.03	1.59	4.63	1.68
78.72	65.12	59.91	90.14	67.48
3.58	3.97	3.18	3.64	3.76
62.00	60.59	67.27	135.38	62.90
0.40	0.65	0.10	1.59	0.29
7.76	7.02	6.97	7.50	7.39
20.90	31.77	24.98	19.00	24.34
2.99	5.08	2.69	2.18	3.51
112.66	86.64	108.17	127.45	101.05
5.08	18.75	5.27	8.34	8.25
2.99	3.79	3.18	2.34	3.18
29.76	29.83	21.79	24.84	26.44
259.45	389.41	995.00	3224.56	467.25
40.11	43.69	35.72	24.58	38.78
3.28	15.33	9.06	7.55	8.69
1.89	1.02	0.90	1.20	1.11
22.69	21.80	26.07	25.37	24.14
2.69	4.25	4.28	6.97	3.56
1.79	4.06	5.17	2.99	3.23
20.20	13.39	15.92	14.00	16.99
25.78	31.40	30.85	27.97	30.88
17.61	21.15	23.29	18.55	21.10
25.28	41.29	48.16	37.57	41.44
2.49	5.73	4.38	1.33	4.54
32.74	27.89	33.83	37.35	31.16
4.78	4.34	3.78	2.67	4.24
0.90	0.65	1.09	0.97	1.04

10.45	7.67	6.97	10.64	8.20
19.31	19.21	20.10	19.69	19.17
7.26	5.91	5.97	5.35	6.14
9.75	12.28	12.84	10.27	11.24
15.82	12.19	13.04	14.49	12.88
8.46	7.39	8.46	7.73	8.10
14.63	15.61	16.32	17.42	15.65
5.47	6.28	4.88	6.22	5.77
9.65	10.81	12.84	8.57	10.53
19.11	20.41	15.52	22.52	17.93
8.86	11.36	9.85	5.17	9.85
6.07	7.67	6.67	8.30	7.31
14.13	13.95	13.33	10.89	14.27
28.86	27.99	26.27	28.12	30.60
2.69	0.83	1.49	2.34	1.41
20.50	26.14	28.66	33.21	25.33
11.74	9.88	10.65	8.97	11.67
19.80	17.27	20.80	23.21	19.46
16.72	12.10	12.24	17.31	14.40
20.70	15.79	18.71	18.82	19.48
14.83	12.47	10.65	20.88	12.83
84.49	76.11	86.77	63.98	84.89
9.75	10.71	12.34	10.14	11.61
9.95	10.07	12.24	9.59	11.10
102.60	114.90	78.61	67.16	103.10
13.44	13.02	13.63	4.52	13.94
75.34	76.85	81.30	70.62	73.21
19.61	19.03	20.70	23.65	18.81
48.47	46.83	28.26	22.31	46.67
64.29	45.17	41.30	41.24	51.29
25.68	46.46	35.23	87.02	35.17
204.71	168.38	178.02	140.59	182.35
17.91	19.12	17.02	16.08	17.58
11.64	10.07	17.81	35.08	12.85
27.27	31.22	33.24	20.81	30.22
27.17	27.06	30.95	31.88	28.78
2.59	2.86	2.79	3.33	3.23
2.89	1.75	1.79	2.82	1.99
67.18	51.72	56.92	58.94	56.71
8.66	10.16	3.88	7.80	7.13
9.06	11.55	9.75	10.29	10.21
642.39	533.78	520.14	524.25	528.15
15.13	15.33	17.31	16.14	16.87
1.49	1.85	1.39	1.13	1.56
1.09	1.48	0.90	0.22	1.25
107.78	96.89	112.94	107.97	105.51
16.22	18.66	17.12	13.18	18.55

2.99	3.60	2.89	3.47	3.63
47.47	36.02	48.36	87.07	43.82
14.53	10.07	14.33	18.19	13.39
28.96	24.66	20.00	11.51	25.86
60.91	54.86	55.23	68.01	58.19
165.20	126.54	119.91	133.70	135.21
57.22	45.26	48.76	19.52	52.14
11.74	14.78	9.75	11.68	10.11
28.66	30.11	45.08	85.77	33.22
30.85	30.67	33.63	39.98	32.50
48.37	34.08	35.23	37.00	39.55
27.17	20.97	26.47	21.20	24.93
47.77	37.96	39.80	35.65	44.33
22.59	25.03	26.27	22.59	24.91
142.51	122.85	126.88	42.69	142.09
30.55	37.59	45.28	50.54	37.64
8.76	12.56	6.57	2.18	10.98
41.50	42.86	41.69	39.81	40.89
31.45	33.16	35.13	43.30	32.60
37.12	45.17	44.08	20.56	43.75
53.34	59.85	56.22	65.02	55.55
14.13	14.96	11.05	18.85	13.38
20.70	26.32	29.95	29.37	25.37
67.47	41.38	57.72	81.53	51.21
93.65	86.92	85.98	101.42	84.06
35.93	36.30	29.36	25.69	35.37
8.56	7.67	7.26	8.40	7.58
32.74	35.01	30.45	26.64	32.63
38.31	38.15	34.23	29.11	38.47
76.53	81.10	79.41	67.63	79.81
52.74	96.89	101.90	104.98	94.04
8.16	13.58	15.82	20.04	11.88
28.06	63.45	74.04	81.77	50.51
4.88	6.47	4.28	4.02	4.85
51.95	67.89	68.26	52.57	64.86
35.33	38.15	45.08	136.06	36.84
98.62	99.94	116.82	106.36	104.48
30.85	27.34	31.74	34.11	29.62
17.32	20.32	16.32	9.39	17.78
37.72	41.29	43.78	54.36	40.39
1.69	1.94	1.49	1.77	1.57
9.45	8.13	9.25	9.80	9.83
35.93	25.77	34.23	10.51	33.64
322.64	345.26	408.99	244.24	363.92
39.71	26.42	29.26	9.39	31.36
2.59	3.05	2.09	1.18	2.44
28.16	21.80	21.10	23.31	22.85

13.24	13.49	12.94	14.49	14.55
10.75	11.64	9.45	7.88	10.64
1.49	0.65	1.29	0.80	1.05
17.12	11.92	16.72	14.31	16.71
41.40	40.73	43.29	43.91	41.20
8.76	9.79	11.64	6.67	11.18
60.11	46.64	54.33	105.68	49.14
20.00	13.30	16.42	13.21	18.02
7.36	9.14	11.34	6.48	8.86
8.06	9.24	6.67	11.18	8.26
5.37	38.05	36.92	16.90	23.91
8.36	3.42	6.67	6.81	6.00
21.60	22.17	21.49	17.35	22.63
23.29	17.73	16.12	18.90	19.65
31.05	42.86	36.02	25.79	37.17
30.15	33.53	28.36	30.70	30.59
1.49	1.02	1.89	0.50	1.26
35.83	46.74	39.01	40.08	40.65
104.79	117.95	113.94	130.49	117.88
27.87	25.12	26.77	25.95	25.78
16.32	11.92	9.75	11.56	12.34
6.17	7.57	6.07	6.32	6.44
192.27	399.48	348.58	359.02	296.86
2.19	3.60	1.99	1.27	2.64
79.62	64.84	57.91	57.04	63.88
5.57	6.74	13.73	8.26	8.15
428.33	414.54	436.85	107.22	440.92
106.09	146.31	158.52	152.53	134.99
0.80	0.55	0.40	1.38	0.56
11.15	14.41	14.03	13.78	13.21
11.84	11.18	13.23	11.52	11.78
3.88	3.79	3.98	4.90	3.86
15.03	13.85	17.51	14.69	15.64
6.17	6.19	6.47	6.59	5.87
43.19	27.16	33.93	45.25	35.07
16.22	14.87	12.14	8.82	17.75
13.73	10.99	13.63	8.09	12.84
27.37	38.61	38.01	39.69	34.33
89.37	128.30	152.85	160.87	119.78
14.33	13.67	15.23	10.71	13.87
34.43	38.89	40.70	34.50	36.02
104.30	80.27	61.10	75.84	82.69
35.13	27.80	33.53	40.50	32.58
12.44	10.53	10.45	14.42	11.26
16.42	8.87	23.88	18.94	15.80
64.39	103.73	111.95	72.41	94.99
10.45	13.39	10.15	5.28	11.40

4.28	0.92	0.80	9.06	2.13
14.33	13.21	12.54	11.87	13.46
7.96	12.38	5.08	2.39	10.43
60.01	63.36	66.47	69.98	62.30
11.64	16.07	17.51	11.80	15.25
24.88	25.68	24.08	20.41	26.01
37.62	55.23	50.05	33.78	49.40
1.00	1.75	0.90	1.12	1.38
0.60	2.59	1.39	0.80	1.49
24.38	21.06	17.12	9.35	21.64
60.41	64.93	55.23	32.46	59.54
82.80	84.70	80.30	105.91	76.63
158.43	134.76	113.14	32.39	131.42
55.73	62.99	54.93	53.84	58.25
7.26	4.43	4.88	0.07	6.64
27.07	26.23	24.68	36.31	26.00
7.96	6.37	5.47	8.82	6.28
7.36	6.47	3.68	6.02	6.05
12.24	12.56	12.04	13.38	13.41
50.46	40.46	46.37	37.99	45.87
6.37	4.25	6.17	5.94	5.43
26.47	19.86	16.82	10.98	23.49
1.19	1.29	1.39	1.79	1.54
57.92	66.96	66.17	38.72	63.74
21.79	19.58	21.10	17.66	19.88
49.66	54.13	52.44	34.02	52.28
63.39	69.74	63.09	69.87	65.53
15.43	17.64	14.83	19.02	16.30
6.77	6.47	5.08	6.74	6.53
16.12	19.49	19.50	12.17	18.64
21.50	24.48	23.98	24.02	23.55
21.20	17.55	19.90	17.80	20.72
53.24	49.51	56.82	46.30	53.72
86.98	67.24	92.64	59.26	69.99
21.60	12.01	16.42	4.20	17.15
18.31	15.70	22.29	12.69	20.17
34.43	40.92	29.65	33.27	35.91
75.73	59.39	43.88	67.25	66.34
1.39	2.49	0.10	1.33	1.06
23.49	20.60	16.82	26.36	20.34
82.20	64.47	81.40	93.81	73.40
487.14	648.22	929.13	743.87	618.18
3.48	4.90	4.68	3.25	4.24
112.46	98.46	90.45	99.47	97.25
12.34	4.80	11.34	11.75	9.62
81.51	119.80	90.16	93.56	105.13
2.39	4.06	3.48	6.60	2.99

4.28	5.63	3.08	1.95	4.61
1358.33	962.63	1009.03	811.77	1128.31
9.45	7.76	6.97	18.25	7.62
33.64	35.47	34.53	19.64	35.13
36.92	36.67	36.12	41.33	35.51
43.89	41.56	67.77	15.09	49.57
9.16	7.94	11.74	8.99	9.48
1.99	1.39	1.79	4.68	1.73
9.95	16.35	10.45	2.09	15.82
2.29	9.61	1.49	0.15	6.50
41.10	31.68	23.58	34.63	33.12
4.28	4.90	3.68	1.56	5.23
30.95	38.79	33.34	26.36	35.62
8.06	7.94	9.65	4.80	7.99
4.78	4.90	3.88	1.32	4.81
68.67	69.74	58.71	64.27	74.25
3.68	6.47	8.76	3.84	6.15
9.55	11.08	11.74	0.42	10.49
3.09	2.49	5.87	5.84	3.15
6.97	6.19	7.36	5.51	6.87
90.96	91.44	54.33	20.94	96.02
22.49	25.77	21.89	16.21	24.80
11.94	9.88	10.45	24.68	10.78
13.63	7.94	13.33	8.78	10.84
127.38	118.14	149.36	335.42	123.79
30.95	26.42	22.89	20.19	26.66
41.80	28.26	33.24	4.22	37.82
1.69	4.34	1.19	1.87	2.00
89.77	69.83	71.05	38.13	83.36
1.49	1.02	2.09	0.61	1.65
147.29	98.74	106.38	73.66	123.01
40.80	35.19	45.97	23.93	41.82
2.29	1.29	3.38	1.95	1.87
17.81	19.67	17.61	14.54	18.23
6.87	18.10	12.34	13.94	13.34
132.36	117.40	160.11	297.00	129.71
10.65	14.32	8.86	4.75	10.76
43.39	34.27	38.71	32.97	34.81
85.19	66.13	100.31	179.13	79.20
42.69	45.35	56.22	86.01	43.74
43.69	55.51	54.23	32.09	48.52
0.50	0.09	0.00	3.08	0.21
2.29	3.51	2.49	1.08	2.48
2.79	2.40	2.49	4.48	2.36
15.62	16.81	17.31	13.63	15.85
1.89	5.26	2.89	1.93	2.86
2.99	3.79	9.15	3.20	5.94

1.00	2.59	0.30	1.84	1.22
8.46	6.84	9.45	4.62	8.11
23.88	33.99	39.01	34.58	29.68
361.55	293.35	271.07	326.92	305.45
2.89	2.96	2.09	2.92	2.36
22.99	17.73	18.01	9.87	19.17
5.77	6.28	4.48	3.36	5.43
27.67	25.12	22.69	25.78	25.69
54.34	65.95	34.23	8.55	64.61
73.05	76.76	58.61	49.33	72.46
6.37	6.19	6.67	5.03	6.23
3.68	4.80	4.18	16.76	5.34
7.66	9.14	9.55	11.07	9.53
7.96	3.23	3.38	14.94	4.53
24.88	26.69	15.23	17.77	21.25
7.26	9.14	10.55	4.83	8.95
44.58	30.11	33.14	38.57	33.74
81.21	78.70	81.50	46.01	79.98
16.52	19.12	18.01	22.73	18.94
41.50	30.76	41.79	52.44	36.28
0.60	0.83	1.00	1.38	0.76
7.76	3.88	7.07	7.55	5.69
91.56	123.31	109.46	73.81	103.75
12.74	13.58	10.95	9.97	13.01
7.86	9.42	10.85	9.10	9.24
19.51	21.24	17.71	18.80	18.91
42.49	39.99	44.08	37.66	42.15
6.37	4.99	4.68	8.47	5.56
0.90	2.12	2.19	1.06	1.49
8.26	10.44	7.46	8.71	8.66
73.44	49.97	61.30	16.69	61.96
3.18	20.41	2.59	0.03	20.34
16.62	13.21	16.22	15.76	15.39
5.97	3.42	5.47	5.18	4.73
281.34	272.66	133.34	53.08	273.64
14.23	16.53	13.23	16.58	14.16
22.99	15.70	14.13	37.31	19.08
4.08	9.14	4.98	2.81	7.55
7.76	13.12	13.53	8.56	11.44
25.87	13.67	19.40	41.44	18.05
319.36	288.64	324.70	475.18	297.41
1206.47	1225.50	1346.57	1565.46	1181.99
124.10	110.56	112.94	155.04	116.98
104.79	72.41	102.50	98.29	90.10
9.45	8.68	6.17	10.51	7.81
4.08	3.60	2.59	1.01	3.67
209.69	190.83	154.64	10.43	193.21

3.38	2.40	3.58	4.76	2.78
2.89	3.33	3.58	7.13	3.36
4.08	4.34	4.48	3.79	4.90
27.77	22.72	22.09	22.71	23.67
23.49	27.25	25.97	28.43	23.94
1.09	3.23	1.99	1.06	2.65
4.18	3.60	5.17	3.58	4.22
47.97	55.23	41.00	24.47	50.07
14.73	13.49	6.67	0.84	11.15
133.26	84.79	88.46	33.97	101.03
155.95	154.34	122.10	77.28	135.88
93.15	89.59	90.55	113.96	88.21
1.39	4.25	3.08	3.14	2.66
2.79	4.99	4.18	9.76	3.62
0.80	1.02	3.78	0.77	1.68
137.73	164.59	131.05	98.10	154.78
225.91	271.83	207.48	144.15	245.50
3.48	3.88	3.58	13.90	3.94
68.17	90.80	65.48	57.46	72.53
13.73	9.88	11.15	13.12	11.37
1.09	3.33	1.09	2.22	2.23
0.80	0.55	0.70	1.57	0.57
1.89	1.29	2.39	2.07	2.02
19.70	18.29	16.32	29.66	16.36
12.24	7.48	11.54	13.14	9.58
19.90	21.98	17.71	16.48	19.67
6.07	5.63	6.17	10.71	5.89
15.13	12.84	14.73	21.49	13.92
220.73	273.86	313.16	176.44	277.19
32.64	37.59	33.83	36.57	34.98
20.10	21.98	20.80	20.27	21.21
11.94	12.01	10.75	11.08	11.29
10.95	13.39	13.83	21.21	12.29
13.34	9.05	10.05	11.95	10.89
99.32	135.59	158.22	136.69	122.31
63.89	42.21	35.82	10.79	54.80
14.53	16.16	16.02	10.16	16.86
10.85	6.65	12.14	13.28	9.90
8.76	4.80	6.17	3.84	6.42
16.22	16.35	18.01	18.67	17.16
8.46	4.62	10.55	13.31	7.36
89.67	100.59	114.44	126.97	95.30
13.14	10.34	13.53	13.09	12.51
107.48	89.50	62.19	17.38	111.26
1.99	1.66	1.69	1.15	1.97
10.15	8.22	16.32	13.32	9.78
0.70	1.02	1.49	1.17	1.12

15.52	17.73	17.31	14.44	16.37
10.75	12.75	20.30	15.55	15.02
34.04	42.49	38.11	36.71	37.40
14.33	10.62	11.05	8.18	13.96
13.73	12.56	14.63	12.69	13.80
80.11	76.20	49.95	35.94	74.96
203.12	181.22	196.23	273.88	186.69
14.23	6.84	6.27	17.78	8.98
15.23	13.95	12.54	9.78	13.65
9.85	8.59	8.46	11.17	8.71
0.90	2.22	1.00	0.65	1.50
2.09	4.71	1.69	1.80	2.28
0.40	0.83	0.30	2.21	0.63
46.38	39.72	44.88	63.27	40.10
70.96	66.69	73.34	128.09	65.66
24.98	28.91	29.95	27.31	26.96
106.29	147.97	125.28	116.97	138.04
62.50	69.55	72.05	85.99	66.52
22.29	22.26	20.90	32.11	19.74
7.07	7.02	7.36	11.46	6.69
14.93	13.21	12.24	11.57	14.86
17.22	17.18	18.91	30.41	15.95
23.39	19.40	23.48	30.02	21.27
20.30	16.53	20.30	34.25	18.55
24.78	20.32	19.11	13.24	21.58
33.54	33.25	33.04	38.66	33.83
106.49	91.35	88.66	91.12	94.92
20.60	12.56	17.22	34.38	15.09
4.38	3.69	4.28	11.54	3.72
62.70	47.75	51.25	67.95	52.74
35.43	28.91	32.24	42.00	33.17
8.26	7.39	8.86	6.14	7.86
6.47	5.73	6.37	7.77	6.03
28.76	27.62	29.46	51.58	27.65
33.54	34.82	34.43	34.66	33.15
25.87	33.62	18.21	22.58	25.77
3.38	3.14	2.89	3.46	3.27
2.39	2.22	2.49	2.70	2.44
1.00	1.66	1.49	1.50	1.64
11.84	4.80	5.77	23.14	7.25
27.07	31.03	30.05	22.48	30.18
21.50	21.43	22.29	21.84	21.61
11.15	10.99	12.44	8.92	11.83
11.54	10.25	12.24	8.84	11.51
50.66	58.28	54.33	58.92	52.84
78.52	78.88	85.48	79.10	77.51
25.97	29.65	31.64	29.50	28.38

12.24	11.36	13.04	11.81	12.79
49.26	42.67	50.65	68.74	47.42
9.16	8.31	9.35	16.26	8.73
17.02	14.32	14.03	13.55	15.16
31.85	30.30	34.83	27.60	31.72
6.67	5.54	7.56	5.58	7.12
6.87	7.67	5.67	7.72	6.82
7.86	10.07	10.25	7.21	9.25
8.86	8.50	11.64	10.43	9.90
25.38	20.60	23.48	20.28	21.88
47.07	77.86	54.63	53.86	55.37
14.13	12.93	17.22	20.51	14.95
23.29	22.54	23.19	14.31	22.78
22.89	26.79	31.15	34.58	25.73
19.31	18.84	18.41	20.75	19.60
10.45	11.73	11.64	11.71	11.42
19.41	24.85	24.78	20.11	21.99
4.28	2.12	5.17	5.01	3.68
18.81	14.78	19.80	27.85	17.70
14.23	20.04	17.61	12.90	16.85
25.08	29.10	24.78	28.72	26.87
4.28	6.56	7.96	4.64	6.34
20.30	24.20	21.20	37.05	21.60
10.85	9.05	10.35	15.26	9.80
62.40	52.19	51.75	83.19	58.00
52.05	47.38	50.25	53.17	49.67
18.21	23.00	20.10	20.23	20.66
15.62	15.98	16.02	20.19	17.53
4.38	3.88	3.08	5.96	3.56
8.26	3.79	2.99	37.81	5.37
7.56	7.20	8.46	11.38	7.70
10.85	8.50	9.35	11.86	10.43
5.27	6.47	6.17	1.77	6.12
32.14	26.51	39.41	28.73	31.78
25.28	20.78	17.61	14.11	22.20
2.09	2.31	3.98	3.98	2.51
24.78	19.12	9.95	16.95	16.05
22.19	19.30	19.40	22.91	19.99
5.27	4.53	6.57	6.05	5.89
4.58	3.33	3.38	0.06	4.40
6.27	4.43	4.88	8.43	5.06
1.39	1.20	1.19	2.32	1.26
26.27	43.41	34.73	34.75	35.73
16.52	14.22	14.43	18.92	15.78
22.89	17.00	14.63	18.65	18.14
6.07	6.00	6.57	4.78	6.24
13.53	10.44	9.75	11.86	11.15

51.55	38.89	47.07	29.58	47.10
1.09	2.49	2.89	5.20	2.03
16.92	17.55	18.31	26.78	21.88
2.89	2.96	3.38	4.70	3.28
11.05	12.28	9.25	12.26	11.46
96.23	73.34	71.45	40.92	82.57
1.49	3.42	2.09	1.40	2.54
36.62	36.48	30.35	39.86	34.01
3.18	6.65	3.78	3.49	4.00
15.72	23.09	32.84	28.70	22.84
209.89	136.33	171.26	294.20	165.86
16.92	13.76	15.13	19.46	15.46
63.79	52.56	61.30	73.68	59.00
484.96	333.72	398.44	510.58	436.04
128.88	85.90	93.94	108.26	104.61
21.40	18.01	24.38	16.23	20.02
13.14	12.75	16.22	13.74	14.69
1.49	1.66	0.70	1.15	1.50
53.94	66.96	67.67	72.58	61.92
13.34	13.76	16.62	17.19	14.37
13.53	10.99	13.23	17.30	12.44
10.45	7.76	9.45	7.45	9.13
6.17	4.80	5.97	5.09	5.53
45.88	43.87	45.68	55.82	43.86
3.68	3.79	4.38	0.64	4.51
62.30	70.66	65.78	58.74	64.33
35.03	41.38	40.40	34.67	40.54
69.17	96.52	99.91	99.81	86.38
15.62	12.38	12.44	13.49	13.61
42.69	43.97	41.89	36.26	41.01
41.70	39.99	41.10	57.65	40.61
1.39	1.85	0.70	1.18	1.17
12.74	14.41	13.43	46.15	13.11
59.61	67.80	27.86	30.55	50.91
30.25	28.63	33.34	25.99	29.68
15.43	15.42	13.63	17.01	14.53
20.70	24.94	21.10	11.83	23.28
36.22	30.20	33.83	35.26	34.35
303.33	331.87	306.49	393.34	316.08
86.98	78.60	77.72	83.03	78.79
50.46	38.79	44.08	48.85	44.07
17.22	19.49	20.40	20.42	18.13
27.17	29.37	23.58	30.57	27.01
1.49	1.29	2.69	2.19	2.06
2.59	2.96	4.28	3.87	3.53
26.17	31.03	26.17	35.49	28.17
13.93	13.49	9.85	9.99	11.97

21.30	25.03	24.38	16.12	22.19
0.50	1.02	1.09	2.35	0.72
12.24	14.59	16.92	15.38	14.63
19.21	13.95	27.27	26.89	19.75
14.63	15.15	8.56	6.22	15.96
124.30	132.27	118.91	132.55	127.62
15.13	18.38	19.70	20.39	17.91
30.15	31.87	25.38	12.83	30.31
7.66	3.60	1.59	0.11	4.79
9.65	18.93	19.90	18.40	16.01
18.51	17.36	11.64	14.32	16.27
14.33	17.18	15.92	14.73	16.21
31.85	29.28	29.55	25.59	30.25
11.44	11.55	13.14	14.78	12.50
11.15	8.87	14.53	11.86	11.44
32.44	35.19	32.84	34.20	33.83
107.68	122.48	75.83	43.44	96.64
150.97	144.92	119.61	92.26	136.61
11.64	13.85	10.55	7.40	12.07
12.34	13.58	21.49	13.60	15.04
3.58	4.34	5.47	6.38	4.14
9.26	20.87	9.15	12.88	13.04
23.59	16.81	18.71	20.90	19.61
22.39	20.60	21.69	22.11	20.50
3.18	3.14	9.95	23.94	4.61
76.53	112.13	87.27	54.34	89.94
89.57	74.72	76.42	97.68	81.04
10.15	9.88	10.95	10.54	10.52
125.00	127.74	147.28	117.55	129.93
25.18	18.29	24.88	28.73	23.30
39.71	40.83	45.58	38.07	42.89
29.66	38.79	31.25	24.86	35.59
9.26	11.08	8.56	11.38	8.64
10.35	10.71	9.55	11.25	9.99
126.29	113.15	87.37	48.32	113.11
98.82	91.26	89.06	61.21	91.47
13.63	17.64	12.54	14.21	14.27
101.61	108.99	110.85	103.71	105.24
44.88	37.59	30.05	46.45	37.51
21.30	28.08	24.38	29.47	24.22
128.38	91.35	80.21	44.75	98.91
14.83	20.32	19.01	17.80	17.48
30.95	29.65	32.54	24.82	30.73
36.22	39.44	38.61	33.42	36.52
40.70	32.70	33.53	32.07	35.92
47.67	48.40	37.61	39.31	45.70
60.41	60.31	54.03	48.93	57.89

70.76	93.10	82.69	91.19	81.12
150.67	218.72	208.27	164.49	190.98
4.08	4.80	7.26	5.73	4.42
26.07	18.01	21.10	32.53	20.97
25.48	24.57	25.87	29.08	25.86
6.97	10.53	10.35	13.72	10.78
25.28	34.36	38.91	41.44	31.36
96.04	91.53	90.85	158.71	92.40
40.21	49.51	48.16	67.02	46.24
85.49	82.11	98.22	105.33	85.80
17.52	17.83	17.22	16.32	17.02
6.37	7.20	6.67	3.31	7.65
26.97	34.08	44.08	34.06	33.61
16.52	16.44	17.81	15.53	17.18
20.60	21.15	15.62	8.76	19.84
6.37	6.56	5.37	2.56	6.56
1.59	3.60	2.49	0.92	3.34
5.37	6.47	6.57	12.02	6.15
51.95	46.74	52.24	77.99	48.05
61.20	19.86	23.88	126.87	31.63
39.71	33.62	29.65	39.30	35.53
26.87	27.16	26.47	35.64	27.35
10.35	9.42	10.45	12.49	9.99
8.56	7.67	11.05	12.05	8.62
10.75	7.48	6.47	8.00	8.10
3.28	3.42	3.78	9.89	3.28
61.01	55.23	52.94	70.43	59.85
18.01	19.86	20.00	21.12	19.01
26.97	29.19	38.51	35.40	30.93
3.68	3.88	2.79	2.07	3.34
1.19	2.31	2.09	2.03	1.84
114.84	90.98	99.41	145.44	102.38
93.75	95.60	87.07	74.05	92.27
73.74	70.20	70.45	71.31	72.67
192.27	164.59	165.98	244.24	179.39
63.49	53.85	55.13	56.30	58.30
59.81	55.42	64.18	89.39	57.32
13.93	14.41	13.33	19.79	14.11
37.52	33.34	37.71	29.82	37.91
6.07	5.36	4.18	5.64	5.04
9.85	12.84	15.42	14.27	11.99
28.96	20.14	24.68	31.93	24.44
656.53	373.80	428.79	668.55	453.67
33.84	58.65	65.78	87.31	54.34
22.79	30.02	35.53	34.34	28.84
74.04	76.11	73.84	91.60	72.76
2.49	7.76	2.89	4.21	4.36

508.04	595.94	283.60	138.33	460.76
88.47	77.68	84.09	131.78	78.85
93.55	84.42	85.68	95.85	82.52
7.76	11.18	8.46	5.10	10.35
22.79	19.67	23.48	27.35	19.80
7.96	7.11	8.06	13.28	7.39
15.72	10.71	11.54	18.02	12.65
42.59	50.52	38.41	35.94	44.28
20.70	16.72	18.01	18.91	19.19
3.98	4.43	5.77	3.09	4.87
40.40	36.58	31.35	44.05	35.23
18.31	17.09	15.13	13.41	17.78
16.32	17.64	18.61	19.68	17.85
118.23	97.54	98.91	121.19	104.71
5.87	7.67	7.07	3.73	6.86
25.08	19.86	21.59	19.28	22.00
1.29	2.86	2.59	5.91	1.91
185.50	95.69	170.16	99.78	135.44
3.38	2.59	2.19	1.55	2.17
40.50	33.53	46.67	26.42	38.16
55.83	32.05	45.58	58.83	44.07
15.43	14.59	16.92	14.06	15.62
0.50	0.55	1.89	0.93	0.96
1.19	1.66	0.90	0.82	1.22
19.90	21.98	19.01	18.99	22.26
197.54	137.07	163.40	209.38	162.95
23.29	22.17	23.68	34.69	24.04
86.58	104.28	111.15	187.72	93.97
8.76	10.62	7.76	4.40	9.97
80.81	84.70	98.71	95.59	83.29
58.12	60.50	62.19	71.61	59.85
10.55	13.02	19.30	19.84	13.18
8.56	9.79	7.86	10.85	8.19
1.59	3.42	1.79	2.03	2.14
3.68	2.49	2.79	3.83	3.00
3.98	3.14	2.79	4.44	3.20
132.06	253.45	213.15	182.81	217.16
29.56	33.53	32.34	21.81	33.93
21.89	24.11	27.56	17.40	22.97
26.37	24.66	26.47	24.11	26.48
7.17	6.56	6.67	6.28	7.05
14.63	18.01	20.70	18.86	16.84
19.90	18.84	17.51	23.30	18.83
252.98	173.09	142.00	149.94	179.42
5.47	6.00	4.58	8.76	5.34
2.59	2.49	2.79	1.40	2.88
20.90	20.32	16.02	4.65	18.73

1.49	3.14	1.00	0.17	2.35
6.87	7.85	12.14	10.30	9.05
223.52	214.29	267.88	416.83	219.29
40.01	43.50	36.52	39.47	43.33
14.83	16.44	12.84	18.73	14.88
21.89	23.55	29.75	24.19	26.16
80.71	44.24	48.46	33.04	59.39
2.79	4.71	2.59	3.79	3.47
15.52	14.78	10.55	11.52	14.16
43.49	38.61	44.68	53.48	39.84
53.54	72.41	77.72	72.77	64.93
26.67	29.10	27.27	23.42	27.42
40.40	36.30	40.70	46.52	39.39
53.64	52.74	48.16	46.43	52.30
79.32	93.66	99.51	77.52	87.44
22.59	25.77	28.06	28.46	25.58
58.12	59.21	61.50	64.87	60.36
30.55	38.79	45.58	39.23	39.27
98.42	108.62	110.26	112.90	102.15
48.66	53.20	48.46	39.67	50.21
345.93	379.81	331.77	325.36	345.66
0.40	2.59	1.09	0.85	1.40
3.48	3.23	4.98	4.56	4.00
11.94	10.62	19.40	18.19	13.27
27.57	30.57	27.07	23.48	28.63
25.28	20.32	21.79	20.20	21.08
8.06	2.86	2.49	12.54	3.98
46.87	55.42	53.04	74.28	50.01
16.62	13.76	13.33	10.02	15.44
18.31	18.20	16.62	14.14	18.21
43.79	52.93	45.97	41.39	47.10
2.29	1.29	2.09	0.81	1.92
2.49	4.53	2.39	0.78	3.17
2.69	2.59	1.79	1.89	2.21
0.90	2.68	2.29	0.99	1.84
13.44	11.18	13.73	16.46	12.71
4.98	4.06	4.28	4.66	3.96
23.88	21.61	26.47	14.18	24.87
5.08	5.63	5.97	5.06	5.87
3.68	5.73	7.46	5.61	5.89
34.23	28.17	31.94	61.85	29.93
317.07	322.45	323.11	339.42	321.18
329.81	349.60	382.52	467.35	341.15
213.37	256.31	245.19	213.40	239.93
12.54	9.42	11.24	20.10	12.09
4.58	3.51	3.88	2.96	4.51
1.09	2.22	1.29	4.93	1.34

0.40	1.11	0.60	2.59	0.78
23.39	21.71	25.67	8.82	24.35
100.41	90.98	84.98	5.76	100.72
4.78	8.77	12.24	0.63	7.99
11.05	20.69	5.47	8.88	11.01
17.22	15.33	11.34	20.57	13.40
1.00	0.46	1.39	1.08	0.97
13.93	17.36	19.40	21.21	16.46
1.59	4.25	5.87	5.90	4.29
18.41	15.70	14.93	28.06	15.98
30.85	48.95	32.94	44.49	36.17
4.38	3.79	4.28	5.43	4.28
512.52	355.05	389.68	409.60	410.88
27.17	28.17	18.31	24.34	26.62
5.97	11.18	9.25	10.09	8.53
0.90	1.02	2.39	2.37	1.36
161.82	195.26	276.14	133.68	209.57
33.74	34.73	28.56	14.93	35.37
6.17	6.19	6.07	1.71	6.88
23.49	19.30	22.59	15.06	23.19
118.73	81.65	80.70	110.18	87.54
26.47	21.06	22.89	22.20	22.28
36.13	29.10	37.71	32.84	33.85
10.25	7.48	8.86	9.53	9.11
37.92	37.96	39.41	36.12	38.51
23.19	22.54	22.09	25.80	24.25
37.32	35.65	35.62	37.73	35.42
38.51	35.38	35.82	24.54	36.39
52.84	43.41	47.27	63.04	49.08
49.96	46.64	49.85	53.23	49.90
7.86	11.64	12.24	13.60	10.52
30.85	22.54	25.18	25.12	27.75
33.94	25.31	30.35	33.79	30.48
55.83	50.06	55.83	45.15	57.35
51.05	39.26	44.68	54.05	45.58
23.69	20.32	25.28	26.81	23.60
36.13	30.94	37.52	37.49	35.36
4.08	5.17	4.28	0.68	4.83
47.57	44.89	42.19	54.03	48.40
87.38	86.36	84.19	96.33	85.82
64.09	46.74	53.14	65.66	58.26
4.98	3.79	2.89	6.75	3.32
7.46	7.94	7.76	9.25	8.13
51.95	44.06	46.67	47.94	52.08
20.50	19.12	21.69	23.95	20.63
67.67	63.18	61.70	67.04	67.96
8.76	6.74	8.86	10.63	7.32

39.91	41.01	35.13	32.70	41.13
51.65	56.62	46.57	50.29	51.91
45.78	45.44	45.87	46.90	46.71
29.06	21.89	25.57	34.55	26.08
140.62	127.00	120.51	126.89	129.67
71.45	58.28	69.66	84.57	66.89
34.93	35.75	37.32	34.04	38.33
48.57	39.53	44.78	41.72	42.91
22.09	19.12	24.78	25.99	22.46
47.17	31.50	43.09	55.60	41.65
60.21	50.71	50.55	58.63	58.71
14.13	13.67	12.64	16.47	14.06
39.21	34.36	31.94	16.79	38.06
17.22	18.84	18.11	9.99	19.51
48.76	39.72	45.58	45.96	45.41
60.51	61.61	60.80	93.01	61.01
19.61	16.81	16.92	13.96	17.66
22.39	20.69	24.28	20.72	22.81
8.96	7.85	6.97	12.87	8.12
9.16	7.94	9.06	10.56	8.69
37.02	35.65	36.02	33.72	40.12
41.50	36.85	42.59	44.54	41.22
24.88	23.28	17.81	14.38	24.00
19.61	14.22	10.85	13.03	13.50
0.40	0.74	0.50	5.02	0.41
1.39	1.94	0.60	1.26	1.39
7.26	10.53	10.35	11.96	10.57
170.67	152.59	149.56	181.87	158.39
3.28	3.88	5.67	5.29	4.82
17.71	15.89	14.33	10.36	16.34
9.75	11.82	13.43	12.52	11.59
15.72	22.17	22.39	19.72	19.43
40.01	31.40	30.45	40.45	33.26
17.81	21.06	20.60	8.09	19.00
51.45	44.89	42.19	39.31	47.51
104.40	100.49	91.35	97.09	96.54
5.17	5.08	5.57	5.83	4.87
29.66	84.98	35.13	17.61	61.08
3.98	5.82	3.28	0.38	4.75
2.49	3.33	1.09	0.69	2.04
77.72	44.52	48.86	9.85	54.96
5.08	5.82	4.78	1.57	5.40
160.03	185.19	166.08	209.09	169.30
0.60	2.22	1.09	0.21	1.29
99.02	121.09	105.78	98.95	106.25
28.46	22.44	31.94	48.42	25.92
17.32	9.51	9.85	19.43	11.03

42.69	37.04	38.71	23.42	37.50
21.70	28.73	26.87	3.95	31.57
61.30	85.16	75.03	8.23	109.83
25.87	35.47	30.35	32.77	28.83
7.36	9.79	6.17	9.02	7.35
121.51	121.18	129.96	142.31	119.30
60.11	55.60	48.56	46.39	53.16
20.20	9.70	8.86	14.31	14.01
306.52	226.85	253.75	263.19	258.27
146.19	109.27	113.84	105.92	124.49
435.00	580.52	542.23	487.84	536.16
38.91	40.36	36.82	54.03	36.73
81.61	79.34	75.33	86.16	77.16
112.56	212.72	189.87	119.16	168.50
1.09	1.85	1.59	2.16	1.67
5.08	5.36	6.57	7.74	5.89
73.25	88.95	51.25	17.98	79.56
159.63	160.07	143.79	110.13	164.17
110.76	154.90	124.19	70.96	154.76
18.21	27.80	20.30	13.95	21.44
85.69	93.10	86.28	73.35	85.11
5.57	7.67	7.66	7.49	8.51
58.92	40.36	44.08	33.60	47.30
27.37	27.99	30.25	33.02	26.86
23.29	31.40	29.85	25.13	26.41
31.05	37.50	35.92	27.56	34.01
167.19	135.22	129.66	57.71	154.26
6.87	8.77	7.86	13.16	8.59
5.08	10.99	6.17	1.50	8.02
43.29	36.02	36.42	35.23	38.21
64.39	55.88	53.24	59.96	57.80
0.50	3.23	1.29	1.79	1.38
1.79	3.88	3.78	2.64	2.87
25.58	32.33	39.80	83.54	30.80
6.47	6.74	4.88	1.54	5.85
120.52	80.27	131.05	58.21	107.99
63.39	71.49	71.45	18.96	70.65
7.26	6.84	8.46	2.16	7.66
0.60	1.85	2.09	2.17	1.45
3.58	5.54	2.29	2.64	4.12
17.52	18.20	16.62	16.37	16.78
21.20	21.24	13.73	14.91	17.14
65.98	54.31	48.26	62.61	57.01
98.92	119.89	94.04	225.00	102.01
321.45	231.19	385.00	268.00	269.32
51.65	100.12	91.25	36.91	75.78
1.69	3.69	2.09	6.19	2.34

310.40	190.83	195.84	263.00	226.51
3.09	3.05	3.98	3.36	3.19
5.97	5.73	8.16	6.50	6.83
4.58	3.23	3.88	6.92	3.68
4.38	2.03	4.08	4.38	3.76
18.21	6.00	7.56	31.02	10.19
115.54	92.18	95.73	93.25	100.86
8.46	7.11	9.15	12.23	8.17
74.64	84.05	90.16	154.55	81.88
113.85	117.12	106.67	84.66	115.03
313.19	480.95	463.22	371.51	436.38
19.41	19.12	20.20	15.43	20.46
28.16	30.85	24.38	29.18	27.79
44.39	71.03	69.66	78.13	62.05
2.99	3.33	3.58	3.00	3.36
12.14	18.66	19.60	10.28	16.10
13.24	22.63	21.49	24.27	18.29
2.99	2.12	1.39	1.30	2.07
10.95	15.89	14.03	10.04	14.67
10.15	13.30	10.95	10.10	11.06
2.19	3.14	4.88	2.18	3.34
11.44	14.04	15.13	2.11	13.50
2.79	4.90	2.79	8.13	3.72
26.17	25.68	21.59	22.21	26.54
15.92	18.10	18.31	17.31	18.07
1.59	1.85	2.09	0.44	1.73
30.05	24.29	28.36	26.60	27.12
15.33	15.52	17.41	10.38	16.04
18.61	18.47	20.10	18.88	19.35
3.88	4.34	4.18	2.70	3.95
18.31	17.09	20.10	20.35	17.76
363.94	282.45	287.88	197.40	308.82
25.28	22.54	23.38	13.78	24.62
10.85	9.05	8.46	7.18	9.80
57.82	51.91	50.45	114.22	54.41
418.97	274.23	343.51	349.92	327.30
1.09	1.11	0.90	0.55	1.00
87.97	91.16	97.32	201.39	87.80
11.25	12.10	14.43	11.87	12.92
36.52	34.08	36.32	33.73	36.45
24.68	17.36	17.41	22.93	19.06
125.99	99.66	104.88	96.03	112.78
36.32	41.10	39.51	43.55	36.84
37.42	34.73	39.70	37.18	36.27
5.87	7.11	6.47	9.49	6.38
12.84	12.84	14.93	11.03	12.55
84.89	83.41	86.67	58.36	75.77

15.13	12.93	13.14	16.02	13.11
58.82	58.56	47.76	63.73	52.46
29.36	25.03	48.46	15.37	35.25
40.31	43.32	40.70	16.62	44.94
2.19	2.31	1.09	1.62	1.93
56.73	46.92	51.65	60.94	51.42
2.39	3.05	4.58	2.12	3.58
11.54	11.45	11.44	11.96	11.33
97.03	91.07	90.26	81.61	96.96
202.42	170.69	146.88	148.88	174.82
31.15	24.94	42.29	54.23	30.88
12.44	21.43	19.80	10.69	17.77
5.47	4.43	4.88	5.82	4.99
7.96	7.11	9.35	10.13	8.16
11.64	14.96	15.03	9.59	13.82
20.70	18.93	15.23	21.79	19.18
83.30	94.67	94.93	75.61	89.94
25.48	28.36	23.09	27.98	26.81
44.68	40.55	39.90	39.73	42.71
46.48	42.77	34.83	23.79	43.08
51.75	37.50	41.00	44.07	43.74
21.20	15.61	13.14	15.40	16.59
20.20	25.77	31.15	31.41	25.40
42.30	40.27	47.96	37.25	43.18
61.60	59.30	59.31	29.73	64.06
75.73	75.46	60.70	35.75	74.03
50.75	59.67	48.06	43.38	51.52
46.97	35.19	32.94	25.06	39.95
109.47	102.25	100.90	119.69	104.17
3.48	4.06	3.58	3.02	4.33
116.64	117.30	114.74	115.97	115.36
126.89	125.34	118.82	149.37	123.60
54.83	46.64	51.94	52.50	51.17
5.08	6.47	3.38	0.99	5.97
15.33	17.36	13.43	16.79	15.04
24.68	27.25	24.88	18.95	24.88
7.96	8.50	5.57	8.10	6.64
18.01	26.32	23.09	13.94	22.57
4.28	5.08	3.58	9.18	3.77
29.36	32.51	26.17	28.06	30.82
10.55	6.10	10.65	16.45	10.07
57.52	50.71	53.64	68.51	54.32
6.97	7.11	10.05	3.36	8.72
126.69	116.10	126.48	175.49	117.82
30.15	27.34	27.37	27.50	26.77
4.48	5.45	5.47	5.10	4.80
86.98	102.53	79.61	33.09	92.82

20.00	14.04	12.84	6.69	17.94
50.36	49.97	42.49	37.27	47.95
48.86	48.21	57.42	44.83	49.89
43.99	55.51	41.99	53.32	51.19
5.77	4.53	4.08	2.50	5.01
2.19	2.77	1.99	0.96	3.00
10.65	9.05	6.07	0.10	12.44
1.99	1.75	2.99	5.35	2.16
13.63	15.89	13.04	3.99	14.77
82.00	80.73	83.49	72.35	82.23
63.99	95.69	71.85	65.26	77.07
4.58	6.10	7.76	4.41	5.97
18.61	21.15	21.20	14.83	20.20
0.80	0.92	1.19	3.12	0.92
8.36	9.51	7.36	8.60	8.77
11.54	7.76	9.75	8.96	10.17
14.53	19.03	18.81	13.85	18.02
52.84	47.29	44.78	53.84	47.31
149.97	124.32	119.61	108.14	128.25
59.51	47.01	52.84	45.36	54.36
94.14	86.55	83.29	118.45	89.70
38.41	29.83	28.46	26.75	32.70
45.18	43.13	49.66	25.57	43.43
29.76	22.26	20.70	31.91	24.93
26.47	47.85	40.90	25.39	36.98
16.72	14.50	15.03	12.04	14.66
114.25	105.67	106.38	134.28	113.58
101.41	94.30	79.91	54.71	95.30
26.07	18.66	25.57	18.43	21.84
5.57	6.93	7.46	7.02	6.88
65.48	72.32	62.49	52.52	69.58
5.37	5.26	4.78	5.51	5.43
32.14	33.81	27.07	35.52	31.78
21.50	15.70	18.71	17.66	20.01
10.25	11.18	10.55	10.67	10.42
35.33	39.90	40.40	33.38	38.69
1.59	1.11	2.29	2.24	1.66
48.27	55.33	54.13	54.39	55.03
14.43	16.07	15.23	18.48	14.87
49.06	49.69	49.56	53.73	48.69
80.61	69.74	62.19	81.04	73.50
0.50	1.11	1.09	0.37	0.99
2.89	3.42	2.59	5.96	2.98
85.39	37.96	44.78	134.72	51.60
1182.18	1002.81	1285.37	741.28	1176.28
6.17	6.84	8.76	7.24	6.48
22.99	24.48	18.31	23.81	21.12

6.87	4.34	5.47	11.44	5.05
213.37	141.60	147.37	219.15	163.88
42.00	37.04	32.84	38.22	37.82
99.82	130.60	112.84	128.85	110.60
32.24	33.07	38.71	43.46	33.68
25.48	13.95	17.41	32.18	16.83
4.18	3.69	3.58	3.62	3.59
12.44	9.61	13.04	16.59	11.11
9.45	10.81	10.55	11.04	9.85
16.72	20.97	18.01	13.24	18.09
5.27	5.36	4.48	7.54	4.79
19.70	17.73	20.70	43.16	17.94
24.18	20.23	23.38	24.23	22.60
7.36	6.93	6.87	7.59	6.96
1.00	3.14	2.69	3.34	2.31
0.70	1.66	0.80	1.36	0.95
15.23	12.28	12.04	11.68	13.61
1.39	1.66	1.09	0.30	1.80
35.53	29.93	30.95	19.51	30.79
37.92	51.36	48.46	99.38	46.49
44.29	68.72	45.77	49.23	65.52
6.17	6.47	6.87	8.17	7.12
25.28	24.48	21.49	24.42	23.34
37.52	32.60	32.04	31.81	35.74
43.49	55.79	52.84	47.10	51.79
14.43	16.26	17.51	27.60	15.81
70.16	77.12	63.89	76.02	72.02
19.90	21.52	24.88	2.68	25.10
4.08	4.16	2.69	2.52	3.93
68.67	65.21	66.67	67.22	67.72
19.21	14.69	12.84	11.83	16.29
16.32	14.13	15.23	7.10	15.62
9.35	9.05	5.77	0.03	14.32
16.02	10.81	12.64	24.29	14.07
14.33	10.90	14.63	22.57	13.85
39.91	33.99	31.94	31.57	35.43
0.60	2.40	2.59	3.50	1.93
124.40	138.73	139.81	140.37	131.99
78.42	67.80	77.92	65.82	73.40
61.60	48.49	52.54	50.56	54.71
54.54	54.59	58.81	48.77	53.03
26.17	21.43	21.99	39.27	22.39
4.88	4.53	5.37	2.35	4.96
67.18	64.19	46.07	56.01	60.68
20.50	16.16	22.89	15.00	20.85
28.96	29.65	24.78	9.62	31.11
1.49	1.57	2.29	3.08	1.84

9.65	13.12	7.96	6.10	11.12
10.05	11.55	10.95	12.00	10.38
21.70	22.63	16.12	10.98	20.32
132.86	109.08	137.22	104.46	122.48
76.03	66.60	56.62	26.24	69.86
217.75	215.67	205.59	196.72	215.31
6.37	9.51	5.67	6.90	7.03
12.24	6.74	15.52	4.44	10.14
1.79	4.80	1.69	6.33	2.42
22.29	28.45	24.68	28.01	27.00
7.86	7.20	10.05	8.60	8.36
371.60	519.74	350.97	99.22	424.38
55.93	53.29	53.83	24.57	50.80
163.31	132.08	159.51	248.25	141.16
1.89	3.51	2.29	4.30	2.27
234.37	223.89	169.37	103.24	241.60
29.26	31.59	34.13	32.45	30.03
16.92	16.53	18.21	23.38	17.56
50.16	47.75	45.08	40.08	49.13
4.48	4.71	3.48	2.93	4.56
108.48	128.57	89.26	36.16	110.68
9.26	9.14	6.57	8.78	8.33
2.59	3.14	3.18	1.31	3.24
4.68	9.05	2.29	7.73	5.05
6.57	5.54	3.78	0.73	6.18
0.50	1.48	0.50	1.07	0.65
0.90	3.42	1.99	2.33	1.99
3.09	2.31	3.68	1.33	3.00
5.67	13.49	6.77	31.06	7.74
1.39	5.91	1.59	8.54	2.98
26.07	48.49	37.71	53.43	35.24
15.03	21.34	26.47	16.32	20.32
1.19	4.34	0.70	0.93	1.75
5.47	4.06	2.79	0.59	5.23
13.14	20.14	12.74	23.59	17.25
27.77	34.54	27.37	6.38	33.21
54.83	45.72	49.95	68.68	50.06
3.88	5.73	3.78	8.45	4.10
24.48	19.30	19.90	21.59	20.78
97.63	87.47	88.76	69.50	92.55
17.02	16.26	15.92	14.92	16.43
48.37	36.48	40.70	49.62	41.68
32.14	31.77	32.44	35.05	32.08
106.49	123.68	131.65	118.15	117.60
78.42	82.21	88.17	131.94	80.10
35.03	30.48	29.16	44.00	30.52
1.59	2.03	2.59	2.74	1.93

26.77	28.54	25.28	15.14	27.06
14.13	12.10	11.84	10.91	12.90
219.84	266.10	229.67	230.88	246.55
2.59	4.71	2.79	9.18	4.26
9.45	6.93	8.16	7.06	7.97
20.90	15.89	15.13	34.71	15.41
62.20	63.64	51.15	48.50	57.76
68.27	65.95	66.87	83.30	65.61
4.48	4.43	2.09	9.19	3.70
1.49	0.83	0.90	1.42	1.06
58.72	61.05	66.57	83.77	60.10
46.77	49.14	45.87	67.94	43.87
17.12	17.27	19.30	25.54	17.34
23.19	18.93	19.11	20.15	20.11
28.76	32.42	35.72	34.03	32.40
14.23	10.07	10.05	10.02	12.56
12.84	13.12	12.74	6.99	13.02
33.44	32.88	31.05	25.75	31.89
23.09	24.94	25.57	32.71	24.46
66.78	79.53	86.47	109.79	79.00
67.97	81.93	92.64	94.85	82.83
28.76	27.89	27.56	29.24	28.60
7.46	9.98	8.86	7.95	8.69
79.22	69.00	85.28	140.99	86.47
64.09	64.47	66.07	83.63	68.67
4.48	4.06	4.38	3.13	5.09
276.46	314.97	323.81	265.70	291.60
42.49	41.93	39.31	44.32	39.49
13.83	17.73	23.38	19.84	19.55
25.78	28.82	26.37	29.25	27.47
3.38	7.57	2.89	2.64	4.91
22.99	24.94	23.19	21.35	24.03
8.86	7.85	6.37	6.49	7.51
13.53	14.96	15.32	19.70	13.20
215.96	282.55	244.00	212.96	239.45
64.29	66.50	61.40	63.26	64.81
31.75	24.75	29.95	29.95	27.61
29.56	23.92	28.66	27.98	27.51
78.82	129.50	113.84	56.98	112.99
35.33	38.15	34.13	18.10	36.25
5.47	5.26	4.58	4.51	4.52
121.01	212.53	189.96	223.43	163.08
16.92	20.78	24.18	16.04	19.83
2.79	0.92	1.79	3.64	1.44
0.30	1.29	1.00	1.33	0.74
163.11	152.68	159.22	45.56	171.47
32.54	38.15	27.76	13.87	33.77

0.30	1.02	0.40	1.04	0.52
1.99	1.20	1.89	1.90	1.96
17.32	15.06	15.13	20.21	15.91
37.62	33.07	35.33	34.58	35.85
13.63	30.02	31.05	25.81	25.11
72.85	112.41	96.03	107.30	94.19
162.32	121.65	129.26	27.91	160.28
2.19	3.14	2.59	4.72	2.42
12.14	13.67	17.81	13.65	14.35
66.68	68.07	72.74	78.22	70.84
20.10	11.64	14.23	27.93	14.30
61.60	50.15	56.02	73.41	53.06
6.07	6.10	6.37	7.80	5.93
11.25	12.19	12.74	13.15	11.22
14.73	15.98	16.32	11.96	15.83
14.43	18.93	15.03	5.72	18.60
492.12	312.75	330.67	812.60	376.72
132.06	85.90	135.04	299.60	110.22
225.41	173.00	223.60	374.03	192.72
46.57	52.28	39.70	53.43	45.28
12.54	13.85	19.21	25.15	13.14
32.24	29.65	26.67	29.09	29.69
0.80	1.11	1.09	1.31	0.94
23.19	23.55	15.03	9.03	28.32
49.36	31.13	37.61	42.98	40.01
1.69	2.59	3.38	1.67	2.55
7.46	8.41	11.64	9.13	10.07
1.19	1.75	1.39	1.83	1.46
4.18	2.31	1.29	5.18	2.39
95.14	80.36	78.21	104.49	86.60
196.95	128.30	128.27	213.17	147.28
24.98	28.82	29.65	37.07	27.71
8.46	4.34	7.86	19.15	6.02
15.23	17.92	15.72	20.27	15.50
10.55	6.00	3.68	2.40	6.89
57.52	55.05	59.01	59.63	55.24
11.05	5.17	6.97	17.23	7.88
256.36	256.22	221.21	235.91	240.02
1.49	0.46	0.90	1.71	0.90
10.45	8.41	5.67	2.38	8.09
64.99	67.15	54.73	45.51	64.90
77.13	122.38	128.27	8.86	146.94
61.80	68.07	75.03	53.15	66.95
5.87	6.93	6.17	3.78	6.10
5.08	7.39	5.77	17.00	5.32
5.08	3.79	4.88	2.86	4.29
6.17	8.13	7.46	2.78	7.21

4.08	4.99	10.15	10.97	5.69
57.12	82.67	43.19	62.20	60.04
28.76	31.87	30.55	25.38	28.63
56.63	48.95	55.13	62.47	53.50
145.70	161.36	133.44	149.44	147.50
4.88	4.62	1.59	1.71	3.66
31.45	31.50	27.96	37.14	29.61
14.63	32.05	17.91	3.16	19.56
11.44	12.28	9.65	8.72	11.72
26.57	23.46	28.46	27.10	26.66
109.97	119.06	88.66	28.75	105.94
29.86	32.05	36.12	28.96	33.72
35.43	27.06	29.06	30.06	29.80
4.88	7.48	7.86	4.99	7.26
84.59	90.52	80.01	83.41	82.37
22.29	19.67	23.98	27.61	22.17
21.99	17.92	21.89	18.13	18.86
7.36	4.99	9.45	14.42	7.09
65.78	65.30	66.57	99.80	62.04
27.47	28.26	21.89	14.09	26.76
25.68	27.25	20.40	22.74	26.06
67.77	82.76	86.18	92.93	76.19
9.16	6.28	6.47	9.60	7.59
52.05	55.88	44.58	57.06	55.87
30.15	31.59	27.17	31.05	30.40
39.71	22.26	24.28	46.17	26.01
17.61	18.66	19.60	17.56	18.36
20.20	21.61	18.81	21.06	23.21
24.38	19.67	18.31	19.64	20.93
70.16	67.33	76.52	64.52	68.56
13.73	15.61	18.41	14.51	15.00
39.61	28.73	28.56	39.65	32.56
16.72	12.56	17.02	12.58	15.14
7.26	15.06	4.88	5.84	9.80
50.95	58.19	61.90	40.08	56.62
35.83	39.16	31.84	62.52	35.01
20.40	19.12	19.11	22.29	18.89
2.59	4.25	5.97	4.84	3.86
46.38	60.78	62.59	56.15	50.67
0.10	0.09	0.40	2.70	0.21
3.58	6.47	2.39	5.40	4.85
1.00	1.94	1.59	1.98	1.35
153.06	144.55	55.92	2.80	125.85
9.06	8.22	6.77	7.80	8.16
0.30	0.28	0.20	1.53	0.29
53.14	51.63	44.38	54.76	50.33
1.19	3.97	0.80	4.25	1.59

2.19	0.74	1.89	0.65	1.74
11.94	18.38	9.95	0.17	13.73
6.47	14.69	14.33	8.47	12.09
12.54	14.41	11.05	6.60	13.48
34.93	39.35	30.75	31.64	37.34
7.66	8.68	9.35	15.32	7.88
21.00	23.28	23.09	21.32	24.54
13.34	11.27	12.14	3.83	13.51
9.35	11.55	28.56	14.67	14.70
2.29	3.88	2.19	0.96	3.13
2.49	4.80	4.98	7.49	3.67
16.72	16.53	14.63	14.38	16.64
9.35	3.88	4.78	16.76	5.39
331.40	230.27	221.01	213.62	274.30
36.03	39.72	35.43	55.49	34.93
5.37	6.37	7.26	10.35	5.79
6.97	7.20	7.07	4.95	6.86
317.96	395.05	438.84	461.83	381.97
148.28	112.22	129.76	137.11	135.57
12.44	11.27	13.53	7.32	12.34
8.86	8.68	7.86	8.67	8.09
12.84	12.56	11.64	7.46	12.58
77.82	58.47	69.06	38.32	71.92
32.05	28.63	28.66	10.42	30.45
18.61	20.23	21.30	21.71	19.36
15.23	13.76	12.34	12.99	13.17
21.00	12.38	19.80	8.55	19.29
0.90	0.55	0.70	1.50	0.85
4.18	5.91	7.46	5.32	5.65
4.28	3.60	3.08	4.08	3.44
30.15	36.11	32.74	35.01	34.19
2.29	1.02	0.50	0.90	1.14
40.01	33.07	34.93	49.72	34.17
19.80	25.12	22.79	48.76	20.91
52.45	71.12	58.31	38.95	64.82
4.58	4.34	4.98	3.07	4.80
107.68	112.78	104.29	135.80	109.50
2.79	1.75	2.79	0.44	2.84
28.76	24.57	20.70	22.14	26.08
35.63	17.83	17.51	14.44	26.14
1.59	1.48	1.19	2.08	1.29
7.26	13.39	19.30	37.07	15.39
4.08	4.99	3.08	9.21	3.67
4.78	5.63	4.98	1.17	6.18
95.34	84.79	63.29	28.29	87.24
13.44	8.22	9.95	18.81	11.82
46.08	44.15	64.08	50.77	49.94

28.76	26.60	27.37	41.29	26.58
24.38	28.45	36.22	27.86	29.30
28.36	33.90	29.55	26.06	30.88
70.36	60.22	57.91	36.77	67.39
21.99	19.49	20.30	16.00	21.32
13.63	16.07	12.64	12.28	15.51
3.48	4.25	4.38	1.03	4.16
1.09	2.59	1.19	3.07	1.53
4.38	5.45	2.09	0.30	5.85
25.48	25.22	22.39	23.65	23.83
3.09	3.69	2.29	4.57	3.40
57.52	60.41	57.32	50.70	55.65
40.50	37.04	41.60	56.10	38.84
6.77	6.47	7.86	5.77	7.77
5.37	5.26	8.66	7.32	6.34
10.55	12.47	12.54	12.51	11.79
8.56	10.81	10.55	20.83	10.22
10.55	4.99	7.86	17.31	7.11
8.46	7.48	10.45	10.13	8.74
37.92	32.60	25.77	17.95	31.81
16.52	17.18	13.53	15.41	16.32
6.87	3.51	3.58	2.02	8.73
0.50	0.46	0.30	0.81	0.60
5.17	5.73	4.68	3.00	6.04
162.71	100.12	114.14	32.89	123.85
18.61	11.64	12.04	11.44	14.20
47.27	36.95	33.14	70.77	36.79
33.34	30.20	40.70	26.13	35.53
22.29	15.98	18.71	30.42	18.22
32.34	29.56	27.56	36.66	32.56
15.52	10.53	7.76	2.22	11.58
37.82	34.64	25.57	19.13	30.32
61.90	127.65	71.45	0.59	122.23
1.29	1.85	1.89	2.30	1.61
11.54	17.09	13.14	10.46	15.40
181.62	290.40	205.09	214.54	227.33
29.96	31.40	26.77	26.37	31.50
95.24	90.33	72.14	87.11	86.34
34.04	30.67	26.17	27.88	29.60
11.64	8.68	13.63	12.08	10.86
62.40	58.01	51.84	48.69	57.74
15.82	14.87	13.83	11.24	16.28
20.80	18.20	22.59	23.97	20.92
21.60	7.57	14.53	10.89	13.10
34.33	41.84	53.74	36.20	41.19
0.80	2.12	2.29	0.60	1.71
12.64	12.38	12.24	13.40	12.47

1.89	4.62	3.78	1.76	3.90
65.28	52.09	67.07	49.92	61.45
119.12	86.08	101.20	93.14	101.45
35.23	38.42	32.34	27.58	34.07
4.88	5.73	4.18	4.05	5.81
40.40	34.45	38.71	36.63	38.05
20.10	21.61	22.89	22.98	22.31
8.86	9.98	5.67	7.88	8.21
79.22	87.65	70.15	104.83	75.67
111.96	84.61	136.03	58.72	135.87
90.36	244.40	201.41	255.68	168.86
15.23	14.78	12.84	12.14	14.50
12.74	22.26	23.58	21.95	18.69
27.27	61.88	38.31	27.11	46.80
15.43	14.04	8.16	4.91	14.14
8.46	8.50	8.26	14.34	8.32
10.75	7.39	9.15	8.64	9.25
24.18	23.37	24.58	27.00	23.05
29.56	25.68	25.38	27.15	27.60
31.25	30.76	23.68	29.61	27.96
30.75	27.43	26.77	30.52	27.77
10.75	14.22	13.33	9.67	13.30
4.58	3.51	2.39	0.06	4.23
37.72	34.73	30.25	33.54	34.58
27.67	18.66	28.36	33.39	24.32
56.53	46.55	39.41	34.35	48.53
32.44	33.34	30.35	13.89	33.91
42.99	43.13	41.99	47.44	43.14
48.76	50.99	43.39	41.39	48.28
8.46	7.94	5.77	10.52	7.12
3.28	2.68	3.08	2.70	3.02
1.69	2.77	1.59	3.19	1.99
19.01	25.40	17.91	19.20	20.38
34.63	67.06	57.82	47.84	52.91
35.33	36.48	37.32	26.91	34.89
35.53	35.75	36.62	69.40	36.82
51.15	60.59	54.03	50.35	58.14
8.36	8.96	7.26	8.38	7.76
13.93	11.55	11.15	9.70	12.03
30.95	20.87	22.29	32.40	25.66
18.91	20.87	18.81	16.19	20.14
13.73	11.45	9.25	17.01	10.91
3.68	4.62	3.78	4.08	3.68
8.26	7.76	6.97	7.22	8.08
67.97	68.07	72.34	100.43	71.26
42.59	39.90	42.39	42.70	41.80
28.66	28.17	19.40	14.22	28.47

28.06	26.42	27.96	29.20	26.58
24.78	18.57	20.50	23.83	20.16
13.53	11.27	13.73	15.12	13.04
13.04	14.96	17.51	19.05	15.20
36.22	27.71	33.73	22.73	31.96
73.74	64.84	70.35	57.72	71.14
1.09	4.16	0.90	2.86	2.07
13.34	15.52	12.74	15.76	13.55
35.43	36.48	36.92	35.67	36.01
5.87	6.37	5.37	7.73	6.30
18.01	19.67	23.78	17.19	19.53
8.06	8.41	9.06	7.87	10.55
26.07	42.12	40.30	36.13	33.06
5.37	5.26	2.99	4.31	4.23
81.31	68.90	75.13	68.36	75.81
176.75	192.49	157.62	124.94	181.27
10.05	8.87	12.94	9.60	9.79
1.89	6.56	1.89	2.16	2.90
70.46	68.54	61.99	67.29	66.66
82.30	80.73	74.63	90.91	80.22
11.35	15.06	15.13	16.48	13.82
34.93	30.30	43.78	21.99	35.21
13.44	10.25	9.25	15.04	10.73
20.30	15.98	13.93	26.77	17.45
68.87	41.29	46.77	65.00	52.11
12.64	11.27	9.15	7.95	11.90
6.87	6.65	4.38	6.87	6.21
6.47	5.63	5.97	5.65	5.59
2.69	1.94	2.79	3.02	2.39
77.72	61.61	67.07	71.93	64.57
13.83	9.61	12.34	16.55	11.03
38.41	20.04	31.64	65.32	28.33
1.09	1.57	2.09	2.00	1.54
23.98	28.26	21.79	21.96	23.37
12.54	10.71	10.85	11.88	11.27
17.02	12.93	16.62	17.04	15.78
29.96	44.52	40.80	36.41	36.17
14.13	12.01	17.31	11.39	14.18
5.37	6.28	7.46	4.51	6.42
1.39	2.12	1.89	1.16	1.64
14.43	13.58	11.54	17.18	13.20
1.09	1.11	0.50	0.18	1.15
3.68	4.80	4.68	2.94	4.27
433.11	343.78	347.99	293.21	384.03
141.02	123.95	151.95	98.05	144.54
726.69	607.76	688.41	480.88	710.84
46.57	0.28	83.99	29.49	32.74

539.09	573.13	563.23	372.63	583.33
887.41	814.38	967.64	628.41	936.47
830.29	662.54	798.47	531.16	792.59
50.95	40.73	45.77	34.01	47.06
533.82	452.40	559.65	395.31	535.78
267.21	227.68	263.60	201.20	267.40
558.70	510.60	589.80	395.58	587.54
175.45	187.41	226.39	168.17	206.31
177.14	150.56	189.67	142.63	183.26
35.73	40.18	38.81	37.34	38.65
750.87	658.19	777.57	489.71	764.53
433.11	414.72	507.50	327.70	482.43
67.08	63.27	54.03	44.08	60.55
19.51	13.39	21.99	18.96	17.70
212.27	198.22	222.60	175.30	223.02
142.51	114.99	133.34	102.59	132.22
166.10	157.58	160.31	144.36	174.38
360.66	320.88	367.19	277.20	367.27
489.14	427.65	550.59	349.06	509.72
229.59	185.19	242.31	182.11	232.08
445.35	337.50	407.39	329.62	413.25
349.41	312.56	359.73	278.10	364.46
185.70	152.31	183.00	118.65	177.70
124.50	102.80	115.63	94.84	118.88
18.41	15.15	14.33	17.78	21.92
54.64	55.79	60.70	44.96	58.66
2.39	1.11	1.49	1.91	1.88
82.00	70.20	82.59	65.76	83.45
84.89	55.88	69.76	60.65	77.22
458.78	395.88	466.70	366.67	463.62
61.40	59.11	66.87	50.43	65.57
119.82	111.30	131.65	89.61	123.43
1041.37	843.29	1017.09	692.26	988.90
227.40	210.04	253.95	163.24	231.28
13.14	15.42	14.23	11.02	15.12
617.41	567.40	653.28	453.12	651.29
63.69	54.59	68.26	58.39	61.69
496.70	434.86	496.95	376.78	503.85
22.79	18.10	19.40	14.34	21.96
1553.89	1293.39	1527.38	1022.36	1550.31
602.19	546.62	709.41	464.21	632.65
225.81	174.57	207.08	172.39	222.10
240.74	192.03	219.52	249.91	218.19
308.01	232.11	206.19	409.62	253.72
22.59	26.51	26.37	32.46	24.49
2.19	2.77	2.49	2.60	2.52
18.81	19.95	15.62	17.02	16.94

9.65	10.99	10.65	8.33	10.35
7.56	6.56	6.47	5.55	6.82
3.98	3.42	3.88	4.65	3.83
17.61	21.24	23.09	28.65	19.62
48.07	50.34	41.69	49.57	45.60
62.60	63.09	65.18	57.27	65.27
481.57	422.48	492.67	360.74	499.95
760.52	558.44	687.22	584.28	695.52
872.68	675.47	767.62	470.80	833.12
61.90	51.72	60.00	47.62	62.32
359.16	297.60	364.80	253.73	359.56
312.89	267.67	307.88	249.45	317.70
216.15	172.35	190.16	154.03	202.81
452.31	418.14	475.06	350.48	480.26
599.30	491.48	580.74	407.75	598.70
120.02	97.91	104.59	88.78	116.14
9.85	10.71	11.44	11.00	10.65
1278.12	1094.53	1319.31	1072.28	1292.07
496.90	357.27	432.97	271.46	468.29
177.24	142.89	177.53	128.60	175.11
151.77	50.15	116.82	79.82	110.40
904.13	698.28	777.27	620.08	814.78
117.13	102.25	122.50	86.50	115.52
165.60	73.15	160.41	111.11	148.34
196.95	165.80	189.96	119.11	196.73
645.78	491.11	591.69	446.65	592.16
128.48	140.76	147.18	103.60	150.22
266.41	232.21	269.27	223.99	279.00
1020.17	904.63	1089.84	690.12	1041.83
445.05	457.02	525.21	348.48	498.27
203.91	181.04	217.43	132.62	204.39
29.46	25.49	25.57	20.46	27.74
452.61	328.45	469.29	288.54	439.77
128.18	105.02	112.05	85.23	114.85
35.83	38.15	22.79	7.70	35.24
34.63	41.38	34.03	15.97	37.80
59.01	59.95	54.43	28.15	64.09
13.34	12.93	12.64	14.80	13.29
13.04	23.46	13.04	13.86	22.61
31.45	52.28	51.15	41.74	44.48
31.55	38.70	45.48	41.59	41.21
11.94	11.73	10.15	12.15	11.58
21.70	23.00	27.76	20.30	24.90
9.35	13.67	12.74	8.06	10.87
900.05	744.83	951.42	678.65	897.44
1311.06	986.18	1203.08	893.87	1182.86
285.32	260.19	285.10	190.97	305.16

1466.01	1217.47	1313.33	1287.67	1424.63
15.52	16.07	17.02	20.42	16.76
2.89	2.49	3.98	3.30	3.07
3.68	2.12	4.08	3.30	3.45
20.50	27.89	29.06	23.06	24.19
8.06	7.02	7.36	5.35	7.73
47.17	52.00	53.24	73.01	51.30
18.51	14.69	14.73	19.77	15.58
9.45	12.84	7.26	5.84	10.67
10.45	10.53	10.25	8.01	10.52
7.86	8.87	10.15	14.19	9.47
59.81	53.48	40.50	23.91	55.12
4.98	5.26	5.57	7.40	5.82
732.26	768.57	891.61	1068.68	740.32
59.51	79.25	71.75	56.90	71.91
59.81	46.92	56.52	108.89	51.01
59.31	26.51	38.31	158.62	34.47
10.75	10.62	8.76	4.97	9.14
56.53	77.49	72.24	56.85	66.31
8.56	7.94	8.06	7.14	8.19
13.34	11.55	13.53	10.79	12.76
34.43	32.88	46.87	17.11	40.48
5.97	4.53	6.17	5.97	5.78
16.22	22.72	18.91	17.61	21.03
16.12	14.50	18.51	10.57	15.69
2.09	2.40	2.49	1.36	2.41
4.58	5.63	4.48	4.86	4.81
8.36	7.20	10.85	4.56	9.57
8.36	8.68	11.54	8.15	10.24
7.36	9.98	11.54	5.62	9.11
1.09	2.03	1.99	1.09	2.07
15.62	19.95	17.41	14.42	17.22
29.96	35.28	29.36	37.32	31.45
66.08	62.35	62.49	78.37	62.31
32.34	31.40	35.33	21.73	33.07
26.67	22.54	24.58	20.41	25.33
28.96	24.01	23.48	19.29	27.45
4.68	3.69	4.28	4.03	4.43
6.97	6.74	5.47	5.61	6.18
1.00	1.39	1.00	0.92	1.19
3.88	4.06	1.09	8.39	2.54
1.59	2.68	0.50	3.41	1.38
38.91	34.45	26.57	22.94	32.78
6.97	7.30	7.36	8.79	7.21
77.72	67.33	58.61	73.98	66.35
47.87	51.26	43.78	58.15	41.35
44.88	30.02	32.74	45.25	33.98

18.01	10.53	16.32	17.82	16.05
45.68	41.84	41.40	45.65	42.27
9.75	12.84	16.22	13.30	11.94
44.29	35.38	35.13	44.21	39.81
33.74	27.80	29.36	24.30	32.26
61.60	69.18	80.40	113.63	70.57
2.19	0.92	5.67	4.75	3.02
4.28	3.23	2.69	2.48	3.72
28.86	22.26	16.22	26.19	22.08
127.68	101.42	103.79	106.48	109.74
7.17	9.24	13.04	10.44	9.03
0.70	1.11	0.90	1.62	1.15
10.05	18.66	15.32	24.47	13.47
0.70	1.11	0.70	2.07	1.00
11.84	14.50	13.63	20.52	13.12
4.98	8.96	4.68	5.94	6.36
22.79	16.72	23.68	19.41	22.55
20.30	25.68	26.57	22.67	24.61
7.56	9.24	8.06	8.63	8.36
6.77	4.90	10.85	0.71	7.30
8.06	4.99	3.98	2.55	5.93
1.00	1.39	1.19	0.22	1.24
80.11	149.54	53.24	11.55	97.46
56.33	57.08	58.81	49.37	55.87
41.40	74.91	72.54	78.63	58.26
37.72	38.05	33.24	45.20	38.58
23.29	23.65	23.78	25.91	23.36
17.42	15.06	15.23	16.34	15.52
30.15	28.82	28.86	27.92	29.79
4.98	5.63	4.38	7.03	5.29
15.33	16.26	10.45	10.56	14.17
1.69	2.77	1.19	2.04	1.98
42.30	45.81	51.65	54.88	44.95
126.19	173.74	128.27	151.87	136.44
24.78	24.01	23.48	21.11	24.10
129.27	170.41	178.32	126.09	151.04
79.32	67.80	77.72	91.64	74.80
5.57	6.74	9.06	9.16	6.48
20.30	19.49	11.94	27.12	20.45
946.23	495.45	629.40	409.78	700.76
96.53	85.25	83.29	104.02	92.25
63.99	51.26	46.67	37.66	56.33
25.97	38.33	29.26	0.12	78.82
27.37	19.03	18.61	8.27	21.62
238.75	239.50	194.44	31.54	243.27
65.38	54.50	39.70	18.97	57.16
355.98	201.26	144.29	3.34	285.71

124.20	98.65	90.45	17.08	107.40
88.97	133.28	71.45	0.21	167.75
582.48	805.70	379.13	4.24	900.72
575.72	401.70	370.87	525.31	446.45
48.86	60.59	48.96	70.75	54.06
4.28	6.00	2.69	1.37	4.03
33.44	52.37	41.30	57.25	39.98
11.54	24.85	5.87	4.20	11.23
8.76	8.77	5.27	0.00	13.53
12945.21	9645.24	7375.09	22.03	12266.18
10.65	8.41	7.07	12.87	8.49
1.89	2.49	2.89	2.17	2.42
38.71	42.40	44.88	50.09	41.00
40.31	41.01	34.23	74.73	37.79
69.36	60.78	64.08	113.61	66.11
176.05	290.95	240.42	240.45	234.43
68.87	76.11	61.30	70.57	66.34
2.29	4.99	4.58	4.73	3.66
1.49	2.59	0.70	2.70	1.60
8.46	5.45	9.85	7.96	6.70
0.10	1.11	1.19	1.00	0.92
0.40	1.94	1.79	1.21	1.44
162.02	182.61	150.96	107.22	167.52
7.07	7.02	7.16	7.14	7.08
16.52	18.84	13.63	16.09	15.75
5.47	3.88	4.48	2.23	4.59
3.48	4.16	3.68	2.71	3.84
21.20	21.43	21.99	18.79	21.90
20.20	17.73	22.09	26.46	22.33
59.91	46.00	53.74	57.78	53.64
11.64	8.04	9.25	12.39	8.84
19.80	19.49	19.50	23.76	21.45
14.03	16.16	14.43	10.61	14.50
1.69	1.20	1.29	2.56	1.68
14.23	7.11	3.58	23.60	7.87
50.66	50.71	45.77	74.26	48.12
6.67	5.91	6.47	7.70	5.74
71.75	59.02	63.39	37.35	68.52
16.62	12.01	9.06	15.92	12.55
7.07	6.37	6.97	12.25	7.15
20.00	23.09	19.01	24.84	20.61
107.68	177.16	144.69	121.56	156.94
9.16	11.36	10.55	8.98	10.10
35.53	36.67	35.33	42.99	36.76
36.52	40.64	37.32	39.97	38.72
12.44	12.28	11.44	12.65	11.82
290.00	233.96	234.94	159.67	263.40

14.33	8.96	9.45	13.00	9.92
114.25	89.78	67.07	21.27	119.39
4.08	7.30	6.07	29.02	5.88
70.96	53.94	60.30	44.23	60.69
8.56	5.73	8.06	9.70	7.13
123.20	106.87	95.03	64.32	110.38
74.74	86.82	97.62	74.06	88.72
65.48	51.26	59.41	41.70	59.89
1.29	0.46	0.60	0.82	0.94
0.30	0.74	1.79	1.11	0.74
104.79	117.21	117.92	113.58	113.08
185.11	176.69	149.96	35.91	177.25
1.00	0.92	2.09	0.48	1.51
25.38	14.22	17.91	0.66	19.08
48.47	36.58	55.53	50.73	46.16
42.49	42.40	43.39	54.06	43.43
104.59	119.06	128.57	117.08	120.82
29.66	25.95	25.57	30.64	27.21
70.16	76.29	63.99	63.22	70.00
2.19	2.03	1.79	3.43	2.01
13.44	13.21	9.85	9.06	11.96
101.41	84.42	77.42	83.19	91.82
39.41	41.47	45.58	36.42	42.82
45.48	38.70	39.31	46.31	40.94
26.97	22.91	26.97	33.50	24.96
40.90	44.70	45.08	35.88	44.00
16.22	20.32	22.19	32.21	19.07
398.57	394.12	640.85	217.58	435.12
2.69	5.17	6.47	0.38	4.24
103.60	135.04	211.56	271.43	135.97
217.55	198.59	184.59	105.77	206.37
7.76	8.59	6.87	2.04	8.24
132.36	218.17	219.72	279.74	180.09
13.83	12.56	14.13	12.33	13.48
545.16	551.05	563.92	814.04	542.91
81.90	62.62	51.65	45.53	65.58
49.16	52.37	57.02	72.14	49.27
20.80	17.18	18.31	16.09	17.77
9.95	24.38	12.84	34.99	15.71
13.73	8.59	10.25	6.90	12.47
64.59	37.96	63.09	133.35	50.88
3.78	3.69	2.99	7.15	3.97
3.18	4.16	3.48	2.67	4.13
19.21	16.07	17.12	22.99	17.87
12.04	8.13	7.07	23.11	8.54
10.55	6.10	8.66	19.96	7.59
0.10	2.31	2.39	1.43	1.70

6.77	7.11	3.98	1.60	6.30
4.08	5.17	7.07	11.59	4.74
0.90	3.51	1.69	0.14	2.28
4.18	4.53	1.09	2.24	3.62
8.16	7.39	6.77	7.16	7.35
1.59	2.86	3.48	0.98	2.24
13.44	16.16	14.13	5.26	18.38
25.38	27.71	27.17	23.78	27.80
8.16	8.96	9.85	10.33	8.26
30.25	25.49	25.18	42.41	26.42
72.75	65.95	72.44	61.80	71.91
64.89	73.06	62.99	74.35	63.11
434.20	307.58	428.59	854.17	372.96
50.56	55.97	58.91	78.48	52.41
0.40	1.11	0.60	3.88	0.87
1.29	1.39	2.49	2.06	1.51
11.94	15.33	11.15	10.12	12.32
477.69	498.22	629.80	329.09	484.20
639.51	432.08	279.42	225.39	473.15
283.43	129.40	251.46	386.70	244.74
75.44	74.82	73.34	80.80	72.94
44.88	51.08	43.49	34.06	46.48
22.09	24.75	19.40	19.63	23.19
17.71	16.81	21.89	12.27	18.59
334.08	150.56	169.47	113.86	216.50
138.23	75.92	60.50	87.09	88.71
89.07	79.43	96.82	169.00	83.13
1272.15	903.79	681.25	258.50	1084.51
91.16	68.07	64.38	43.96	76.77
1.79	2.12	0.50	2.58	1.13
31.95	21.52	25.87	26.45	27.63
4.78	2.59	3.98	4.90	3.91
10.95	6.93	9.35	8.48	9.40
24.78	26.32	26.87	24.62	27.86
113.95	82.48	89.36	104.38	98.56
82.00	72.60	69.76	79.56	75.88
7.17	7.94	7.76	7.31	7.20
22.19	20.87	21.49	23.63	21.41
3.09	2.49	3.48	3.60	3.15
3.88	2.96	3.08	4.29	3.49
34.04	34.08	38.91	37.18	36.10
6.67	6.93	7.16	5.83	6.42
49.36	47.11	54.13	38.46	49.93
11.74	31.77	15.92	3.93	23.51
819.24	360.22	618.06	147.42	588.12
9.85	11.36	10.75	10.23	9.32
3.48	3.69	3.58	4.94	4.11

70.56	58.84	50.95	41.99	62.48
34.33	28.63	27.07	38.89	34.03
76.23	58.47	62.29	96.06	65.41
36.72	31.31	32.14	31.36	34.83
0.80	1.11	1.79	1.62	1.27
132.16	147.23	147.67	185.02	137.32
11.05	13.85	10.55	31.27	10.82
5.47	5.45	6.77	8.47	5.59
31.75	32.79	28.56	41.31	30.16
5.97	5.73	5.67	7.46	5.95
145.70	140.12	149.46	233.85	139.09
70.86	83.13	225.19	148.00	145.59
66.48	59.11	60.40	95.25	62.12
99.92	116.01	116.92	163.47	108.21
55.93	55.97	58.71	55.16	56.20
115.24	168.94	142.20	182.54	141.54
205.61	186.02	203.80	285.86	190.18
278.75	263.15	264.40	369.92	259.69
11.15	16.81	10.05	14.60	12.53
126.89	110.65	101.50	143.35	116.80
31.85	41.10	52.34	58.78	39.62
72.45	50.43	63.89	98.05	63.04
54.74	49.78	54.63	76.20	54.47
212.07	186.39	193.05	218.45	197.41
134.85	161.82	152.05	144.13	150.72
20.00	21.52	22.69	18.88	20.66
10.35	8.13	6.97	9.71	8.89
82.90	61.61	62.19	64.30	67.08
242.83	209.58	225.49	178.95	226.39
0.40	2.59	0.30	1.62	1.10
4.68	2.96	3.08	9.95	3.44
41.00	37.59	40.80	32.50	41.37
23.39	29.28	25.08	31.16	26.79
22.49	21.52	22.29	21.67	23.17
74.64	78.60	81.40	112.92	74.51
19.21	3.69	3.18	9.32	7.00
3.68	7.30	4.58	15.91	4.80
271.09	84.33	126.88	85.39	156.78
29.06	12.56	29.95	9.15	20.42
2.49	0.83	2.09	1.15	1.45
6.27	8.77	4.58	3.41	6.45
0.50	2.40	0.80	0.98	0.96
1.89	2.59	1.89	1.77	1.81
57.92	47.57	33.63	2.21	71.11
50.66	83.22	58.41	53.97	68.91
1.29	1.66	1.49	1.99	1.24
6.67	12.01	9.15	12.69	9.39

11.94	12.19	9.95	8.79	11.11
0.70	1.66	0.90	1.53	0.97
58.22	52.00	128.17	37.15	81.60
3.98	4.62	2.49	0.36	3.94
1.89	4.06	3.98	12.46	3.02
190.28	217.61	243.10	134.73	214.58
4.38	9.61	7.07	14.84	6.11
11.74	12.47	13.53	13.55	12.21
63.79	83.96	78.41	77.30	73.71
33.14	35.56	37.71	45.80	35.32
69.07	77.12	66.67	90.76	70.14
108.97	121.18	128.37	129.52	118.55
25.68	24.38	21.10	18.75	24.48
3.28	2.22	2.59	2.47	2.81
41.80	32.70	31.74	38.37	34.58
29.96	22.44	26.97	19.90	27.42
302.34	211.79	173.15	127.39	259.86
3.38	13.02	6.67	10.40	8.01
27.57	32.05	31.64	23.12	31.09
60.31	59.95	63.69	53.12	60.60
3.98	4.06	1.99	3.50	3.36
149.48	134.76	153.35	123.68	143.08
6.97	6.00	7.36	13.42	6.88
146.99	87.56	120.81	197.09	111.31
8.66	6.47	8.06	7.70	7.69
158.63	150.28	129.46	94.92	147.95
94.54	70.11	62.49	52.99	74.59
0.50	1.02	1.09	1.22	0.84
94.24	87.84	82.99	137.45	80.06
35.93	29.83	28.26	38.42	31.84
2.19	2.59	1.29	1.16	2.15
402.45	130.05	113.74	104.07	203.10
3.09	12.38	2.49	0.00	6.60
31.45	26.60	22.99	18.76	27.96
86.38	72.60	84.88	89.77	82.05
7.56	6.37	6.17	2.66	6.32
1.69	2.96	1.99	4.17	2.32
21.89	26.69	9.25	8.45	22.67
251.98	831.75	444.61	197.01	554.38
1.39	2.86	2.69	2.07	2.02
22.49	26.79	15.52	0.18	26.46
443.85	346.37	295.25	86.56	380.81
863.03	749.82	925.25	1730.89	768.08
0.50	1.94	1.19	1.17	1.29
11.15	11.64	11.44	4.44	11.81
85.29	84.05	81.40	70.01	79.48
26.87	27.52	26.67	29.52	27.62

54.24	130.79	53.24	91.60	93.44
27.07	10.53	10.25	5.15	16.26
34.33	29.19	23.19	34.49	27.01
5.47	6.93	5.57	3.20	6.20
1419.74	3304.18	2269.23	2090.46	2544.28
24.58	32.51	20.40	17.91	25.43
5.57	7.76	5.67	3.92	6.30
17.81	12.47	18.71	17.26	15.72
38.61	66.32	70.65	86.52	54.41
43.69	42.49	43.19	36.41	42.95
29.66	32.42	31.64	31.20	31.64
117.13	105.20	123.79	116.45	114.44
50.16	48.49	49.56	52.56	47.18
4.78	4.53	3.78	5.02	4.12
299.15	373.89	434.26	457.58	359.44
11.15	12.38	11.64	10.81	11.38
103.00	140.67	91.65	48.29	117.23
2.09	2.59	3.18	2.80	2.72
34.93	42.40	38.91	35.57	39.10
16.92	24.57	32.84	27.36	24.83
10.95	12.28	10.95	14.80	11.64
111.86	118.14	123.99	80.74	119.46
156.84	158.96	157.92	178.67	154.20
95.04	80.08	73.44	62.42	82.47
20.10	18.20	20.50	20.95	18.83
46.38	39.26	45.68	45.49	44.06
641.80	777.81	895.89	733.89	730.27
116.24	105.48	112.94	117.64	110.28
122.01	114.26	120.11	124.84	115.45
19.21	13.67	14.23	20.82	15.44
12.84	9.24	12.64	12.80	12.09
9.95	7.30	7.96	8.04	8.04
11.94	16.44	21.00	20.18	14.84
31.35	23.28	32.34	49.63	29.25
0.80	2.40	0.60	1.22	1.07
1.29	0.37	0.90	0.12	0.92
137.73	139.66	132.85	220.43	129.42
26.57	20.04	24.28	27.32	22.24
188.09	212.90	460.83	617.11	244.53
88.17	90.80	40.60	40.21	65.21
8.36	6.10	5.67	0.12	6.39
48.86	36.58	25.18	18.35	37.69
30.85	36.30	43.29	40.72	36.92
16.02	13.95	14.53	11.90	14.94
25.38	25.22	27.27	25.96	25.49
14.73	15.70	23.58	16.75	17.54
0.30	0.09	1.00	2.67	0.60

14.03	11.36	17.31	26.13	13.55
18.11	21.15	21.10	30.31	18.59
77.82	60.59	83.39	54.35	72.84
5.67	5.17	6.37	4.26	5.63
1.00	2.59	1.89	1.61	1.68
0.20	0.09	0.10	1.52	0.10
17.81	17.00	17.91	25.71	17.32
12.94	10.25	9.75	15.63	10.70
136.44	170.69	189.37	358.54	157.59
0.00	0.09	0.00	2.02	0.02
4.58	4.34	4.28	3.25	4.31
284.23	187.59	153.54	17.67	248.20
142.71	109.18	112.25	80.26	121.09
21.30	32.33	24.58	28.51	25.83
14.53	12.84	10.45	13.63	12.61
13.44	4.90	6.47	19.72	7.37
77.13	54.22	131.45	124.34	76.12
16.52	18.57	15.42	19.07	17.65
21.89	28.82	18.71	22.59	23.32
12.54	13.76	13.14	7.36	13.08
1.19	4.43	4.78	1.61	3.48
22.09	34.45	37.91	30.79	30.81
13.34	14.69	11.74	13.59	13.79
42.00	41.84	39.11	44.97	40.59
1.29	2.49	1.09	3.89	1.76
33.84	41.01	36.72	34.60	36.04
35.63	24.48	26.87	3.95	28.85
1.59	2.49	1.59	1.76	1.80
45.78	11.45	21.30	77.87	22.31
6.37	7.48	7.46	1.70	8.01
0.60	0.83	1.29	1.26	0.68
0.90	2.03	1.19	0.76	1.38
70.46	68.90	61.20	47.83	67.50
260.04	178.54	285.49	156.36	245.35
12.64	14.41	14.33	8.30	13.69
12.54	15.89	14.73	9.66	14.17
3.78	3.88	2.49	8.53	3.52
9.75	12.28	16.02	13.48	12.07
35.43	32.70	30.65	34.58	32.05
51.85	46.55	44.28	39.10	48.01
1.29	1.48	1.59	0.65	1.22
74.34	82.76	75.53	75.85	75.39
41.30	30.20	31.94	29.69	35.52
30.25	31.59	31.35	29.01	31.79
98.52	92.37	130.46	91.67	104.23
523.87	641.94	543.72	505.43	551.82
161.12	239.96	188.87	57.97	200.58

29.66	27.80	22.89	33.80	26.72
9.35	8.50	8.76	6.50	8.99
2.79	4.62	1.99	2.08	3.55
34.83	37.87	45.18	78.29	40.61
14.53	14.87	16.22	15.20	14.69
1.89	2.96	2.79	2.31	2.51
0.60	0.83	2.29	5.72	1.81
16.92	17.73	21.59	11.09	16.62
10.35	12.47	10.35	12.95	10.22
4.88	5.36	4.18	5.40	4.30
132.56	150.56	116.13	91.38	137.19
1.00	1.29	0.70	1.33	1.03
3.09	2.49	2.29	2.01	2.47
22.69	7.30	9.65	41.62	11.77
3.58	4.25	2.79	3.75	3.82
5.57	5.17	3.98	5.49	5.54
153.46	188.61	204.59	254.45	164.51
60.21	53.48	55.43	76.36	56.61
48.86	41.10	41.60	23.01	43.09
5.17	5.82	4.98	6.62	5.85
21.00	20.23	22.69	12.89	21.66
134.85	142.06	173.45	127.77	143.05
32.54	41.01	37.12	41.78	37.23
3.58	3.42	3.28	3.70	3.52
34.23	34.27	36.72	40.62	33.91
10.05	10.07	10.55	7.03	10.76
11.35	13.21	12.84	8.20	12.35
7.46	6.10	4.48	8.02	6.06
3.09	3.23	3.68	8.57	3.60
122.91	187.59	226.68	262.16	176.44
2.49	3.14	2.39	8.50	3.52
14.23	10.25	11.34	12.91	11.48
23.98	23.28	24.28	24.97	23.31
35.63	37.41	31.74	37.91	33.36
261.14	249.29	200.81	98.69	275.16
2.39	2.96	1.89	2.00	2.06
1.00	1.57	1.19	0.78	1.35
8.06	9.42	8.46	4.94	9.26
25.78	23.83	28.86	24.01	23.94
15.62	28.26	9.85	2.95	19.18
46.18	42.21	34.93	28.99	40.77
116.64	87.29	103.39	130.20	102.33
14.13	20.14	19.90	13.28	17.49
49.06	42.12	41.20	64.89	43.54
11.84	19.95	22.19	15.24	19.30
21.50	33.16	25.28	29.39	25.95
62.30	65.49	57.82	59.47	62.56

56.53	64.10	63.69	60.27	60.66
7.07	6.65	6.37	10.17	6.88
218.64	282.27	287.29	409.43	241.18
29.36	9.70	8.66	4.30	17.86
60.01	62.90	55.83	62.56	62.24
127.58	68.54	84.48	43.32	100.68
0.10	4.62	2.39	0.84	2.76
21.89	26.51	24.08	25.36	25.67
30.35	32.70	32.44	28.57	30.53
6.77	9.51	8.06	6.94	7.95
2.79	2.86	3.48	2.47	3.10
45.58	41.47	68.06	26.20	43.80
7.76	6.28	5.67	5.50	6.60
3.88	4.06	4.98	4.46	4.43
4.98	3.69	4.88	9.47	4.81
11.25	18.20	18.91	18.81	16.98
2.89	2.40	2.09	2.97	2.13
56.73	85.62	77.02	103.52	80.06
55.93	59.67	62.79	53.01	59.50
4.38	2.49	2.29	6.80	2.98
12.44	7.02	9.35	20.40	8.62
19.01	7.48	7.66	30.87	10.59
9.16	12.47	8.86	3.96	9.45
302.24	248.55	297.14	224.57	264.32
1.09	1.75	1.99	3.19	1.37
20.70	27.71	30.35	23.65	24.74
21.89	20.69	22.99	20.39	21.16
9.35	8.31	7.16	10.71	9.08
10.15	8.50	9.95	21.48	8.85
20.30	47.48	49.66	54.54	37.12
20.30	22.91	14.13	32.31	18.47
0.60	0.28	1.69	0.69	0.93
14.43	16.35	15.92	12.43	15.97
4.58	5.73	6.87	5.88	5.43
5.57	4.71	6.77	7.00	5.40
5.27	3.60	4.58	0.63	4.78
125.89	132.36	99.01	30.30	136.22
26.37	21.15	20.70	26.24	24.54
83.50	81.00	76.03	127.56	82.51
23.49	29.00	25.18	27.46	23.71
3.48	8.68	4.28	2.51	5.72
13.63	15.70	16.72	8.76	14.76
4.68	5.91	9.65	9.89	6.64
156.05	192.30	101.30	0.41	173.87
27.57	29.65	28.66	26.09	28.92
2.29	3.51	2.49	4.73	2.58
0.20	1.02	0.20	1.23	0.48

3.38	2.03	1.49	0.79	2.39
12.64	22.72	13.93	27.48	17.63
4.38	4.53	2.89	3.41	3.80
86.88	67.61	51.94	13.91	76.14
145.80	100.59	129.56	104.48	120.34
0.20	0.46	1.49	1.20	0.79
14.33	14.69	13.53	16.45	14.55
39.91	40.55	34.33	2.82	39.90
0.20	0.65	0.90	2.59	0.75
7.36	8.22	6.57	14.22	7.56
31.05	31.77	35.53	66.64	30.40
9.55	8.96	6.97	12.15	8.48
43.69	58.19	54.93	27.26	52.21
5.17	5.91	8.46	4.68	6.05
4.98	6.28	7.96	8.13	6.29
128.38	130.60	132.65	79.88	139.20
1.00	1.57	0.70	0.12	1.42
8.96	10.34	6.47	8.99	8.68
38.61	54.03	39.11	51.83	44.37
137.73	114.63	114.34	84.59	125.17
123.70	132.82	142.30	84.58	139.01
14.83	9.88	9.15	3.32	10.83
12.94	18.66	14.73	1.09	17.99
46.67	55.60	62.39	128.41	48.62
1.99	1.29	1.69	7.22	1.62
0.90	1.94	0.90	0.24	1.28
0.50	0.55	0.30	1.30	0.53
7.46	11.08	9.06	9.21	10.12
12.34	15.42	11.05	14.37	12.89
5.27	3.79	3.88	0.49	4.97
2.49	2.86	2.89	5.48	2.85
24.78	22.63	30.15	32.87	26.59
10.95	13.30	10.25	13.85	12.54
38.12	31.77	30.95	35.04	31.52
12.44	11.18	10.85	17.68	11.71
12.84	9.88	14.73	16.78	12.68
3.09	4.71	3.58	4.96	4.55
20.70	15.52	22.49	31.34	18.88
8.16	6.28	5.87	8.41	6.75
24.58	18.10	17.51	35.19	20.26
5.08	4.80	4.68	3.40	4.59
8.46	6.00	8.06	8.70	7.08
17.71	19.67	28.76	33.66	20.83
4.68	3.79	5.08	6.35	5.03
3.68	4.80	4.28	4.67	4.26
8.76	14.41	14.53	9.89	12.52
4.58	4.25	6.47	5.24	4.74

39.31	46.00	35.92	27.72	47.35
20.70	22.26	12.64	10.90	20.18
117.23	100.77	127.57	84.14	118.43
11.15	7.94	11.34	20.91	9.91
20.40	18.66	75.93	23.83	32.66
7.07	6.74	7.76	4.84	7.60
0.80	1.57	0.90	1.22	1.10
59.71	99.75	56.52	82.65	65.49
21.10	20.87	17.51	12.24	19.99
81.21	97.26	80.70	51.54	84.84
14.53	13.21	15.62	17.22	15.54
42.69	43.87	41.99	29.09	44.32
10.95	12.93	9.85	14.09	10.67
10.35	9.98	9.35	8.55	9.79
2.39	2.40	1.00	2.43	1.92
4.28	2.68	3.38	4.45	3.28
22.69	18.75	17.12	16.66	19.78
62.00	70.47	71.35	53.73	66.49
17.02	11.55	10.15	16.67	13.25
19.11	22.72	14.13	22.53	20.02
887.31	686.64	1203.28	831.33	923.61
27.67	28.17	24.38	17.19	26.75
157.44	123.31	260.22	225.11	160.68
8.96	9.42	10.65	6.96	9.47
0.60	1.11	1.29	0.90	1.00
29.56	31.13	22.69	37.60	27.85
23.29	19.40	24.18	22.44	21.61
4.58	3.69	5.17	4.14	4.47
2.89	5.54	6.07	2.65	4.86
1.00	1.66	2.59	0.80	1.56
520.48	496.37	384.41	138.53	518.73
2.19	1.85	1.09	2.12	1.50
9.65	3.05	7.66	2.95	6.01
1.89	0.65	1.09	2.53	1.48
183.61	185.84	219.62	214.28	196.39
30.95	21.89	31.15	67.09	25.35
9.35	9.14	9.75	11.55	8.93
635.33	575.80	885.54	715.26	587.97
19.01	18.93	19.21	27.09	18.20
36.13	27.99	21.49	7.87	31.88
4.48	4.43	3.38	4.07	4.02
2.19	1.57	2.39	0.91	2.29
20.70	21.71	16.32	13.22	20.81
0.80	0.55	1.39	1.48	0.84
3.09	1.94	3.48	5.41	3.04
61.10	53.76	54.63	75.24	56.23
14.83	12.47	14.13	18.74	13.58

42.20	55.33	41.60	47.59	49.17
56.73	50.43	54.13	73.07	52.41
138.33	114.72	105.38	119.21	122.85
4.98	4.90	3.68	2.52	4.84
30.85	26.23	25.67	26.33	28.49
24.18	25.03	27.07	36.47	24.78
15.62	12.10	12.74	18.11	12.67
15.03	12.65	17.22	17.17	14.22
17.32	17.36	18.11	27.69	17.36
68.67	56.62	78.41	54.48	67.56
18.41	18.38	19.21	22.55	20.15
88.17	51.72	61.60	118.90	64.45
15.43	17.09	19.40	22.91	16.80
3.88	4.62	4.08	10.17	4.57
7.26	7.11	7.66	4.35	7.21
21.10	20.69	21.69	21.52	19.72
37.22	24.94	48.36	102.79	31.39
3.58	1.39	3.18	3.42	2.86
130.77	137.62	123.19	172.26	125.17
10.05	8.68	8.46	8.64	8.06
28.26	25.40	21.39	34.56	25.90
3.88	1.11	2.29	0.96	2.45
0.30	1.02	1.09	0.17	0.89
2.89	3.51	2.59	7.93	2.94
103.30	81.56	87.97	84.55	88.19
20.00	27.62	23.19	28.77	22.31
1.59	0.55	1.19	0.77	1.15
2.19	3.23	2.39	1.64	2.52
80.61	67.24	100.51	76.02	78.98
1.79	2.96	1.89	0.98	2.26
0.10	1.75	0.80	1.22	0.69
67.18	53.76	70.55	76.07	59.27
10.55	9.14	11.64	9.97	10.08
54.64	50.71	47.67	54.33	50.03
163.41	137.72	139.21	156.23	145.85
420.67	312.29	362.91	459.56	350.26
50.06	70.84	83.29	71.84	62.70
0.60	2.96	1.00	1.84	1.26
2.29	2.68	2.89	4.61	3.13
8.96	8.59	9.65	7.19	9.58
16.02	25.86	23.48	10.23	23.44
6.57	6.65	5.97	6.81	6.75
5.27	4.34	4.38	5.05	4.70
130.27	137.25	138.12	86.53	140.93
9.65	15.24	13.83	14.42	12.21
6.87	11.18	5.17	9.03	8.42
63.29	61.52	56.02	71.60	62.51

1844.18	1345.76	1252.83	451.54	1542.21
8.26	5.73	7.36	9.72	7.14
0.10	0.92	1.00	0.91	0.82
21.30	14.87	21.39	25.94	19.35
121.51	120.81	122.99	166.26	119.39
2.89	3.14	1.29	0.12	1.99
14.03	9.88	9.45	0.45	9.86
65.58	66.13	63.69	91.50	64.00
7.17	8.04	7.96	9.76	7.18
79.22	78.97	70.95	43.67	80.33
138.93	305.27	105.78	107.11	197.50
28.16	23.65	22.19	17.69	25.32
15.52	15.70	14.53	24.40	15.07
14.83	16.44	18.81	14.68	16.69
70.96	93.94	78.71	73.84	87.89
27.17	15.42	11.84	1.11	21.03
7.07	10.53	8.76	6.45	9.21
254.57	238.67	267.48	179.17	240.50
52.15	51.54	43.39	105.40	48.07
2.19	2.03	2.89	2.18	2.47
1.89	2.40	2.89	4.96	2.90
4.58	6.37	5.37	8.42	5.19
37.52	27.71	21.10	0.75	34.74
15.82	9.42	9.65	3.00	12.48
2.19	2.49	4.38	0.87	2.36
14.63	9.61	12.94	14.26	11.94
60.91	65.39	59.71	63.42	60.74
4.28	4.99	6.27	7.89	5.18
4.88	3.60	6.17	2.55	5.02
2.79	3.14	3.28	4.98	3.41
174.16	150.74	154.54	77.32	166.58
3.28	3.33	2.29	11.61	2.57
17.42	23.46	23.38	13.68	20.58
19.31	21.61	19.60	23.20	20.37
5.47	7.11	10.45	12.30	6.99
10.25	14.59	19.70	11.87	14.55
86.88	46.00	37.71	1.51	59.63
7.17	6.84	5.77	4.80	9.33
5.67	24.11	28.66	22.81	19.09
1.39	0.28	4.08	5.65	1.50
1.59	2.22	3.38	14.26	2.24
4.88	2.12	2.89	2.47	3.45
25.18	37.50	44.28	75.41	34.76
35.23	24.85	23.19	21.53	29.56
27.67	40.27	26.87	24.64	33.96
0.90	0.83	0.40	7.78	0.85
3.48	10.81	6.37	8.39	8.51

1051.12	1621.56	1000.87	51.39	1649.45
29.66	23.37	18.01	17.80	28.37
10.75	10.90	14.63	17.98	12.19
15.03	17.09	17.02	18.88	17.11
9.26	10.25	9.35	3.58	9.71
4.18	3.79	2.19	0.98	2.98
23.39	44.61	33.53	16.74	40.35
26.57	21.71	21.00	16.15	22.68
26.67	32.42	18.11	31.73	27.67
3.98	3.60	3.18	7.28	3.29
12.04	23.83	19.70	4.94	19.29
40.70	49.69	42.99	39.86	45.97
13.24	12.47	13.83	14.54	12.22
49.96	49.69	45.97	35.77	50.49
22.69	39.07	19.90	9.42	24.68
2.09	1.94	1.79	2.53	1.93
9.85	12.47	12.54	8.22	12.16
37.52	27.25	14.23	0.40	32.53
0.90	1.02	1.29	0.48	1.18
11.44	12.38	12.14	13.18	11.26
71.06	79.34	75.43	82.73	73.38
41.70	19.58	17.61	25.75	26.01
2.69	1.57	3.28	2.32	2.80
1.00	0.92	2.39	2.29	1.33
12.34	8.13	11.74	11.05	11.30
1.89	4.62	4.58	7.82	3.53
3.68	7.76	2.39	2.62	4.88
0.90	0.74	0.30	2.38	0.51
36.13	32.24	27.37	38.71	32.77
44.58	72.04	74.33	72.24	65.83
82.10	79.16	85.08	82.95	81.82
32.24	23.83	26.87	20.88	27.24
8.76	5.82	6.27	6.73	6.95
50.75	45.35	39.70	62.59	43.93
19.01	15.24	17.71	21.95	17.66
41.60	79.90	72.44	77.09	61.74
66.18	50.25	54.13	48.66	56.88
44.48	47.57	51.05	22.72	50.58
75.44	63.27	65.08	84.80	68.12
97.93	113.52	103.69	116.91	105.39
13.73	11.36	10.75	13.01	11.23
14.23	9.42	16.52	6.92	13.04
27.47	21.89	35.62	53.94	24.43
6.27	4.80	3.78	4.58	5.29
37.72	35.10	35.13	28.09	36.99
9.85	13.39	7.86	9.98	10.11
88.27	86.18	82.99	87.26	83.71

187.49	190.55	173.55	109.86	184.96
42.89	44.70	45.08	60.49	42.70
110.76	98.46	103.89	91.53	104.04
25.78	32.60	35.23	34.44	30.73
27.67	27.34	28.96	27.99	29.39
32.64	27.80	26.87	50.77	28.17
33.24	49.14	49.56	50.15	41.82
121.51	127.74	121.20	95.54	122.26
11.94	13.67	12.54	14.33	12.69
42.49	46.09	43.19	40.23	44.40
13.34	11.92	15.42	21.46	13.83
54.24	46.92	54.23	49.51	51.32
61.10	46.83	52.84	78.42	49.92
61.60	31.40	41.10	102.06	39.24
91.06	85.71	91.65	124.93	84.47
125.19	66.13	77.72	259.08	84.59
83.60	111.95	90.36	81.83	92.34
35.83	38.98	33.53	37.71	37.09
56.13	64.47	61.30	57.44	59.46
14.63	8.87	13.83	10.58	13.12
10.85	10.71	9.15	10.35	10.14
28.86	24.38	23.38	19.19	27.59
101.01	112.13	110.56	129.34	113.15
54.93	63.64	53.64	40.48	58.71
37.82	50.99	44.48	43.37	46.23
67.47	85.71	63.89	55.01	70.81
11.05	8.22	10.55	9.39	9.66
14.13	13.21	14.93	10.25	14.54
6.17	8.41	8.76	14.40	7.57
31.55	27.99	25.18	23.15	27.93
7.66	7.57	10.35	12.55	8.42
11.54	11.36	9.75	9.99	11.19
37.92	27.71	29.36	20.48	31.86
44.48	39.26	43.09	31.15	41.52
22.39	15.70	19.60	15.81	18.78
1.69	2.77	3.68	2.40	3.43
65.58	57.27	62.39	49.38	63.55
10.55	13.76	10.75	4.58	10.78
7.96	8.31	8.16	9.21	8.26
61.80	63.45	67.17	67.48	65.66
1.69	1.75	2.69	1.75	2.10
8.46	8.31	14.33	7.60	11.50
10.85	9.05	10.45	10.72	10.36
11.44	9.05	7.36	9.07	9.49
158.23	179.93	198.42	218.66	175.25
125.00	99.48	158.42	334.34	118.39
155.55	152.86	152.15	1277.40	164.73

12.14	9.79	4.68	3.15	10.28
36.13	43.41	42.59	44.63	40.57
7.96	7.11	4.58	3.22	6.74
13.24	25.95	24.28	11.89	21.08
10.45	10.90	8.66	12.08	10.15
0.20	1.48	1.69	4.21	1.25
1.29	0.83	2.19	1.43	1.43
3.78	3.69	4.48	4.08	4.03
44.09	24.57	21.49	44.99	29.01
1.29	4.34	4.08	2.40	2.93
30.75	27.43	32.24	31.13	29.61
13.04	18.10	19.60	17.57	16.47
35.33	37.22	28.56	13.88	35.63
86.78	93.66	68.26	52.33	86.77
12.34	13.12	14.63	15.75	12.29
3.28	4.16	5.97	4.37	4.43
12.34	14.04	13.23	13.99	12.24
9.95	11.45	14.33	14.96	11.96
53.64	38.70	54.13	64.71	43.94
144.40	135.13	180.91	113.40	142.51
23.19	26.69	25.67	28.56	24.32
1.89	0.55	1.19	1.26	1.45
9.55	7.11	8.86	8.07	8.05
11.05	10.81	10.95	7.01	10.25
6.17	7.02	6.67	8.74	6.76
4.28	5.36	4.98	6.48	5.14
27.67	42.12	47.27	34.75	37.72
2.79	3.88	4.48	4.18	3.76
11.44	11.45	12.54	8.34	11.86
29.16	43.23	31.84	26.48	38.97
195.36	161.92	166.88	186.44	173.46
79.62	87.56	115.83	18.59	99.23
17.02	19.40	19.11	18.43	19.28
11.84	9.42	8.46	10.16	10.18
14.03	16.44	25.38	17.60	15.98
9.75	14.59	11.15	13.16	11.27
26.07	23.46	22.59	23.06	24.47
158.93	167.64	157.72	124.44	160.44
12.84	14.32	15.62	22.81	14.77
5.97	6.10	5.37	6.36	5.37
3.09	2.31	2.89	2.96	2.83
27.27	38.42	33.63	48.74	31.81
15.72	20.87	24.38	20.48	20.07
36.62	30.94	38.71	41.72	34.14
15.82	12.38	16.42	22.01	14.03
6.77	9.05	7.76	8.72	7.95
34.04	27.16	35.62	33.24	33.52

22.89	21.15	20.20	22.43	22.37
18.01	13.39	17.31	22.54	16.38
14.93	10.71	15.72	21.87	13.59
30.85	27.16	29.36	26.83	30.30
33.14	27.52	30.45	33.66	30.95
2.99	2.86	1.99	3.75	2.46
14.93	14.41	17.71	29.30	15.27
4.58	3.33	4.58	4.19	4.00
27.07	26.05	26.57	33.62	25.22
4.68	1.57	3.58	2.19	3.44
33.94	39.44	25.08	12.14	31.49
5.47	5.45	5.57	4.86	5.61
75.53	62.07	68.96	64.90	71.81
15.82	14.04	15.72	18.50	16.16
62.50	135.32	107.87	85.69	96.21
76.13	61.33	62.39	96.79	63.92
12.94	13.58	13.73	30.53	13.00
8.46	7.39	9.75	7.52	8.29
44.29	41.66	43.09	33.75	42.01
131.27	109.08	118.12	84.21	121.91
43.49	46.92	45.77	42.24	46.36
10.15	11.64	9.06	8.24	10.77
9.16	15.70	13.93	5.63	14.84
57.52	49.05	53.44	63.20	51.52
107.68	72.69	92.44	71.72	94.56
26.17	22.81	18.61	23.91	22.55
40.50	41.47	33.34	33.21	38.17
6.37	6.37	3.58	4.17	5.98
7.76	5.73	7.46	37.92	6.15
9.26	9.24	7.86	5.46	9.46
36.13	24.48	17.61	83.27	24.00
17.02	16.07	15.62	19.70	15.68
7.07	7.57	5.67	4.97	7.00
125.10	86.45	89.36	103.35	98.56
83.20	66.41	57.72	15.36	75.89
13.04	17.73	13.83	5.79	14.34
51.75	49.51	41.30	38.62	49.69
78.82	70.01	68.26	49.37	71.04
14.23	17.00	12.44	6.38	14.14
18.11	13.02	17.31	19.91	14.57
11.05	13.02	12.94	12.77	12.47
114.15	102.53	118.72	62.30	115.07
75.83	56.62	60.50	24.30	69.77
56.53	41.47	52.44	52.37	48.19
34.93	18.66	13.73	8.55	23.11
8.16	9.51	5.87	14.72	9.74
16.62	17.27	10.85	1.41	14.85

9.06	9.79	7.56	8.96	9.63
67.67	66.87	58.81	40.51	70.56
28.56	32.33	40.30	36.64	32.78
9.16	8.68	8.16	9.29	7.79
47.57	38.61	40.10	56.01	42.08
6981.74	6337.09	4694.89	33.40	6204.16
915.97	763.77	573.08	4.78	784.02
27.07	29.56	54.23	11.78	35.23
8.66	7.11	9.35	15.63	7.95
338.17	363.64	410.58	416.47	373.43
47.47	74.17	140.21	226.09	74.14
67.87	121.74	106.28	172.97	110.81
122.81	98.46	110.06	86.31	112.47
3.38	3.05	4.18	4.23	4.23
1.39	2.49	1.39	5.78	1.64
282.33	252.90	186.48	164.18	264.65
356.78	246.80	211.16	44.22	270.10
58.82	105.02	75.13	93.09	82.12
30.05	32.33	31.94	30.43	31.69
9.16	6.10	1.09	0.21	6.30
0.80	1.11	1.09	0.92	1.19
14.93	11.82	12.34	16.21	12.08
0.90	0.65	0.30	1.50	0.52
19.01	14.69	17.71	29.47	15.95
1.49	3.05	2.69	12.72	2.34
31.55	17.27	16.42	45.73	20.19
3.28	6.28	3.68	3.13	4.26
1.19	2.49	1.99	1.34	1.92
1.49	4.16	1.79	2.07	1.99
11.74	12.28	9.85	19.39	11.12
76.03	73.98	97.72	118.63	77.05
50.75	45.26	56.42	73.02	45.50
1.49	1.66	0.40	0.57	1.11
206.90	121.46	199.92	302.50	151.55
105.49	89.96	92.74	166.68	89.22
72.25	69.74	61.00	61.05	69.37
2.49	5.08	3.18	1.19	3.35
1.59	3.05	2.69	0.96	2.53
9.55	10.25	10.85	2.94	10.41
7.56	9.61	7.07	3.83	8.33
2.89	3.51	1.39	2.41	2.55
112.16	99.48	121.30	121.58	107.51
29.36	23.92	25.28	27.37	27.06
0.20	1.20	0.60	1.27	0.56
5.57	3.05	3.98	5.16	4.85
19.01	16.07	13.93	9.53	16.77
4.28	5.54	6.87	7.70	5.53

0.80	0.55	0.20	1.67	0.48
40.31	15.42	22.79	70.58	24.55
21.30	17.64	22.49	31.49	20.03
1.09	2.12	2.09	1.80	1.86
91.36	109.18	95.33	111.12	98.97
1.39	0.55	1.00	1.22	1.05
23782.42	18180.99	14928.01	23049.56	19711.75
1.00	3.88	2.59	2.52	1.96
22.19	22.54	28.46	31.62	23.76
190.08	120.17	159.32	110.65	149.72
0.40	1.11	1.29	1.32	1.08
22.49	29.46	18.81	30.09	26.66
36.72	44.34	38.31	16.45	40.67
9.16	8.59	7.86	9.93	8.36
2.39	2.03	1.89	1.30	2.11
6.37	4.62	6.97	5.41	6.86
11.74	13.85	13.33	13.29	13.21
5.47	3.88	4.08	5.61	4.94
0.90	1.11	1.00	1.53	1.03
13.04	20.23	23.48	21.04	19.30
0.30	0.83	1.00	1.27	0.69
180.73	163.39	241.51	254.86	175.35
83.99	60.31	65.78	88.83	71.43
12.04	4.90	5.08	21.16	6.54
7.36	4.16	4.88	10.19	4.76
38.41	34.36	36.92	42.66	37.15
84.79	94.03	79.81	76.12	93.07
19.70	15.15	22.59	19.18	20.55
25.68	9.24	11.05	38.47	14.05
1.99	1.02	1.39	2.50	1.67
2.39	3.69	4.48	5.37	2.99
45.68	41.01	41.69	59.63	42.42
0.90	1.57	0.90	1.33	1.25
1.49	2.49	3.38	2.99	2.38
26.47	31.87	33.44	38.30	30.30
158.23	175.49	153.94	122.59	165.70
41.50	51.54	47.76	43.39	45.87
77.33	84.51	77.12	102.77	80.76
23.39	22.08	23.29	17.73	22.21
39.91	55.60	53.83	44.34	49.90
2.59	2.86	2.39	2.20	3.03
22.89	25.77	21.99	16.47	24.48
25.58	29.00	26.67	26.46	28.58
14.43	15.42	17.31	17.25	15.68
16.62	15.89	10.45	5.45	14.53
106.98	97.54	99.61	129.04	96.87
6.07	8.59	8.16	9.14	6.81

0.70	0.65	0.30	1.27	0.63
12.94	11.64	13.23	15.48	12.04
185.60	211.42	164.49	219.22	192.21
22.89	17.27	16.92	20.93	17.87
93.55	63.82	60.80	22.74	81.22
2.99	2.03	2.59	3.94	2.85
2.09	1.11	0.30	0.47	1.16
10.15	4.43	1.69	8.81	6.69
1.89	1.11	1.69	2.39	1.46
41.20	75.92	60.40	63.31	53.63
7.66	5.36	4.68	1.83	5.34
45.38	70.47	71.45	64.58	59.77
82.80	103.45	79.41	58.41	92.77
1290.06	504.41	209.07	39.04	847.49
234.86	222.78	228.87	88.37	239.28
7.76	11.64	5.27	9.43	8.85
33.84	30.48	27.86	21.78	30.40
15.33	15.98	16.52	18.03	15.78
64.49	60.31	60.20	44.05	60.58
233.57	196.92	210.96	32.74	242.06
24.28	19.30	19.80	5.19	20.08
20.20	19.86	23.19	26.48	20.55
2.89	5.26	2.89	2.43	3.17
18.01	15.42	27.46	13.33	19.99
1.39	2.49	2.69	1.48	1.93
49.76	51.36	53.34	50.04	52.16
8.66	11.45	10.65	9.41	10.22
15.23	10.53	13.33	8.19	13.06
109.37	81.74	81.30	47.72	92.54
3.48	3.60	4.98	1.00	3.99
21.00	21.80	23.88	26.66	21.78
4.78	3.60	3.38	10.97	3.51
135.25	130.51	98.71	126.04	121.33
4.68	3.79	5.87	6.83	4.97
147.79	137.16	108.67	166.27	131.74
5.77	10.34	12.64	31.12	8.55
4.38	5.26	6.47	3.76	5.92
62.70	60.13	60.40	50.29	60.52
32.44	27.43	30.45	38.84	33.28
6.07	5.36	2.09	7.74	4.42
94.84	97.81	70.85	54.64	100.19
25.78	24.94	23.29	32.30	24.02
1.69	2.96	1.39	2.54	2.27
166.69	127.65	159.32	142.37	152.62
15.43	22.35	14.33	4.38	21.93
202.52	302.03	194.94	93.35	252.40
22.29	20.60	23.48	25.68	21.30

24.18	23.74	21.49	32.44	22.66
6.37	14.78	7.16	11.12	10.01
126.79	144.55	145.68	128.25	138.92
13.14	26.79	18.51	55.88	21.99
20.40	20.14	18.81	26.52	18.59
2.39	2.68	2.19	1.89	2.22
77.72	115.18	78.91	122.40	98.07
452.31	383.78	405.60	308.63	412.23
58.02	78.79	76.13	68.60	72.02
16.02	18.29	14.23	19.28	15.73
29.46	28.82	24.68	21.90	27.81
5.97	5.17	5.17	4.59	5.56
4.68	5.91	8.96	12.04	5.93
54.34	44.70	60.80	70.45	51.89
1.39	1.75	2.89	6.70	1.92
48.76	40.36	37.02	15.84	48.71
50.56	65.86	47.57	32.07	53.24
13.44	12.75	15.52	38.96	13.11
1.59	1.66	1.39	3.30	1.48
21.79	20.69	22.09	25.35	21.89
14.73	16.81	18.91	21.15	16.94
38.22	36.48	34.33	48.60	35.31
63.19	49.32	56.82	68.15	56.38
97.23	88.67	82.00	95.23	94.63
16.82	15.61	17.22	17.34	16.14
61.50	101.14	87.07	103.08	80.96
69.27	77.31	61.80	88.78	69.86
0.50	0.65	0.60	1.76	0.56
129.67	102.62	95.23	141.34	109.00
58.82	37.22	51.05	52.44	49.46
104.89	80.54	85.68	192.24	91.33
75.63	43.97	80.01	150.04	62.12
5.27	4.62	5.67	5.09	5.25
10.75	10.81	11.44	9.73	10.43
138.83	171.34	179.52	148.71	163.39
790.28	905.18	885.64	1025.39	868.26
0.90	0.74	1.09	0.51	1.03
64.39	61.42	57.32	70.24	61.06
196.05	215.49	264.60	338.84	203.88
62.90	50.52	57.32	73.32	52.56
147.19	173.65	166.08	139.44	160.56
197.45	198.77	205.29	303.85	189.93
34.83	25.49	33.63	45.88	30.21
121.31	119.71	132.75	158.52	119.20
77.62	104.47	140.01	98.26	106.79
219.84	336.76	326.39	416.45	274.13
74.24	67.52	83.49	88.08	70.42

15.13	14.59	13.83	16.01	14.64
22.49	24.38	20.50	4.11	25.49
104.59	104.28	101.30	122.77	101.31
6.47	5.91	7.07	12.27	6.09
4.28	5.45	6.87	5.81	5.66
27.96	29.83	29.26	28.47	28.61
9.95	8.59	9.25	11.24	9.54
57.02	68.90	92.44	91.50	68.45
33.24	38.52	36.12	43.70	33.22
32.64	35.65	49.85	28.67	37.97
6.77	9.24	8.56	15.90	7.34
141.91	205.70	165.29	199.90	199.16
45.68	48.12	56.52	50.33	49.67
64.79	49.32	46.57	21.83	61.67
40.90	36.67	39.21	38.46	39.77
15.92	16.35	13.14	17.65	14.35
17.02	17.73	13.73	14.85	16.82
415.69	307.11	371.87	606.99	363.76
268.20	214.93	235.64	223.96	244.60
93.95	85.07	81.10	99.25	88.77
243.32	198.86	247.98	235.30	234.95
117.83	104.28	110.85	113.90	109.44
8.26	6.84	9.35	8.87	7.53
3.18	2.49	2.49	2.01	2.93
15.23	16.63	14.73	13.32	15.78
16.52	14.04	16.32	16.74	17.28
146.59	132.36	147.47	187.50	138.77
11.25	13.67	8.76	3.32	11.39
23.79	25.22	23.48	32.93	22.26
85.39	65.39	80.70	92.36	73.78
29.76	37.96	30.55	16.07	31.80
1.09	2.03	1.39	1.78	1.89
101.91	70.29	72.84	81.36	88.98
26.87	35.28	21.20	20.39	31.44
44.29	30.30	23.38	22.00	34.66
0.00	0.00	0.00	1.18	0.00
1.69	1.57	1.29	1.14	1.55
0.80	1.02	0.40	1.45	0.62
25.08	16.35	20.60	24.65	20.97
45.48	32.42	39.70	28.32	42.06
8.86	11.73	12.74	8.72	10.86
18.01	18.47	17.41	23.39	18.30
1.99	0.92	0.90	2.55	1.11
6.37	3.60	3.08	2.49	3.74
14.03	12.84	12.74	22.39	13.15
1.89	5.36	2.59	4.66	3.12
1.19	1.94	0.50	0.69	1.03

16.42	10.71	4.78	6.00	11.58
1.79	1.57	1.69	2.31	1.55
41.70	45.07	54.53	50.25	47.70
127.68	147.14	140.41	118.96	135.44
16.32	20.32	17.71	13.75	17.94
19.41	18.75	17.71	20.21	18.67
14.73	14.78	19.11	14.20	16.23
5.77	7.94	7.96	5.37	7.12
0.60	0.37	1.00	1.56	0.74
23.19	35.47	25.87	3.59	26.50
3.58	2.86	2.59	3.34	3.21
83.79	102.16	103.79	82.37	95.42
25.28	22.72	30.85	18.60	26.85
8.16	10.62	8.76	9.82	9.13
11.74	22.17	10.05	17.79	13.39
1.99	2.12	2.89	2.43	2.35
50.56	44.89	56.42	62.67	51.26
2.59	3.97	1.19	2.55	2.79
12.44	21.06	13.53	19.32	15.61
194.36	152.13	173.65	190.40	163.18
36.52	36.30	38.21	35.57	37.51
257.95	256.41	192.35	99.94	234.29
2.99	3.23	2.69	3.07	3.49
25.08	25.22	26.37	11.28	26.49
23.29	21.15	22.89	16.53	22.29
90.16	116.75	85.18	21.34	104.37
104.30	102.62	92.15	89.55	101.15
5.77	5.26	4.18	9.66	5.19
59.21	57.08	40.40	23.49	53.57
2.69	8.22	6.67	10.71	4.84
2.39	8.31	3.18	7.52	4.23
31.05	27.16	23.58	64.34	31.31
37.82	30.48	30.75	60.18	37.58
149.18	245.88	251.16	23.36	204.96
91.96	76.66	33.04	1.25	112.82
9.75	5.26	6.67	15.84	6.18
22.19	18.93	17.02	14.45	18.89
28.66	26.05	23.78	41.68	25.43
26.67	21.61	21.69	22.69	22.83
164.70	197.11	285.30	303.74	221.60
31.15	32.79	29.06	28.07	29.47
13.44	12.56	15.13	12.33	13.66
17.02	15.98	13.43	14.62	16.53
1.69	1.66	1.69	1.73	1.96
8.06	5.26	3.38	9.50	5.28
39.61	56.34	71.65	34.38	51.91
27.67	30.30	24.58	24.51	29.66

22.09	31.13	24.28	25.99	24.77
670.56	495.26	862.65	655.87	611.86
22.89	18.38	16.92	17.65	19.22
2.49	2.96	3.98	1.58	3.68
1.00	2.31	1.59	2.91	1.48
3.28	2.22	2.29	4.18	2.83
5.77	6.93	6.67	8.32	6.61
14.73	14.78	14.93	10.59	14.99
29.66	31.40	23.58	21.40	29.78
231.88	182.05	195.74	55.95	210.91
6.47	5.82	4.78	6.35	5.69
23.39	37.87	24.58	20.23	23.29
28.36	24.29	28.16	10.77	26.93
1.09	1.11	1.59	3.17	1.23
134.65	52.19	59.31	205.28	79.34
35.43	34.45	26.37	24.38	34.29
7.26	8.04	9.35	7.40	7.93
41.20	40.83	46.67	46.73	42.59
35.63	33.34	29.75	83.00	33.05
14.23	17.55	14.33	25.96	15.28
5.37	4.53	4.78	7.00	4.87
6.57	16.53	8.66	0.21	16.08
20.80	23.46	29.85	28.99	25.38
3.78	5.08	4.98	4.93	4.97
57.72	50.99	47.86	54.77	51.67
15.43	19.21	16.62	27.59	18.12
1.69	2.22	2.29	0.18	2.72
14.13	12.10	9.65	12.82	12.89
2.79	3.51	2.59	9.97	2.95
29.76	25.12	31.15	29.78	28.74
52.45	50.25	51.84	52.10	49.87
51.15	49.60	49.26	48.94	51.11
4.38	5.54	1.00	1.91	3.39
215.56	202.93	220.12	270.01	205.90
187.69	140.21	136.23	191.09	153.31
19.11	16.44	18.21	14.99	18.65
9.06	15.42	16.22	12.23	12.83
32.84	26.97	22.79	29.52	28.83
60.61	68.35	82.89	94.94	66.25
16.52	15.33	13.93	11.41	15.39
7.96	9.51	6.27	9.92	7.55
2.89	5.54	6.67	2.56	6.24
0.60	0.92	1.19	2.47	0.84
80.11	67.61	62.69	84.93	71.89
2.29	2.77	1.79	2.21	2.38
32.14	56.80	50.35	30.78	48.81
25.87	23.55	25.87	34.06	25.08

79.02	70.47	47.47	35.54	70.39
77.03	62.72	58.41	44.93	67.60
9.45	7.57	8.96	6.74	8.71
56.13	55.05	65.08	104.66	59.34
22.69	17.83	18.51	11.83	20.53
56.23	60.96	49.26	46.62	55.09
8.26	7.67	5.97	10.70	7.24
17.61	18.10	15.03	25.53	17.86
27.96	12.28	17.81	17.17	21.05
12.54	13.21	10.75	12.67	12.63
0.20	0.65	0.90	1.06	0.59
82.20	84.24	91.75	89.48	82.35
30.55	24.57	26.77	33.76	26.69
38.81	30.02	36.52	36.08	34.10
59.21	49.23	63.99	47.14	57.88
93.75	113.06	115.13	162.20	105.71
17.22	30.94	32.84	41.82	25.58
6.77	6.65	6.67	6.19	6.50
2.29	3.97	1.89	2.82	3.02
25.28	28.26	23.68	26.39	26.35
90.56	102.89	102.40	191.51	89.87
19.80	17.83	18.81	17.77	18.21
395.19	316.81	207.68	17.16	344.92
189.38	143.91	238.43	315.95	178.73
29.56	46.46	56.42	11.81	39.58
71.65	51.26	64.78	75.92	59.17
11.94	6.56	11.94	14.26	10.80
19.90	18.66	19.70	19.61	19.30
20.50	15.61	19.30	22.27	18.75
93.15	82.94	94.34	91.14	85.47
106.09	98.46	146.58	161.57	114.99
166.79	145.29	147.37	169.44	147.09
16.82	17.27	17.91	20.65	17.64
100.22	105.30	98.81	130.50	98.18
34.04	41.75	43.49	40.80	37.61
11.05	8.22	10.15	14.41	9.06
4.28	4.80	4.18	4.32	4.26
86.08	107.61	94.14	77.51	93.58
102.11	197.75	191.96	176.06	154.99
14.03	10.71	10.05	11.71	11.35
12.44	15.24	16.32	16.83	15.45
7.46	12.28	11.05	11.67	10.57
3.18	2.86	3.98	3.24	3.11
188.79	156.74	158.52	238.38	166.77
14.43	13.02	17.02	18.88	14.84
3.98	3.05	2.69	0.09	3.60
2.09	2.68	1.89	1.47	2.26

4.78	5.45	4.68	1.13	4.77
553.82	447.14	672.09	1392.37	485.60
110.07	85.16	61.90	30.71	86.69
35.13	24.11	37.61	78.65	32.55
9.26	9.61	9.85	9.50	9.70
42.10	43.50	42.39	56.41	42.32
2.39	5.63	2.79	2.54	3.49
10.45	7.30	9.15	14.59	8.68
22.59	23.37	18.61	17.62	23.59
306.82	221.12	262.01	215.41	263.12
19.11	24.38	23.68	26.35	22.10
5.17	3.60	5.17	4.12	4.43
11.94	19.86	16.32	9.78	16.32
34.04	29.74	29.36	25.35	32.19
25.97	26.14	15.82	17.57	30.43
4.48	3.97	4.08	3.53	4.05
2.59	1.11	1.39	3.97	1.46
0.30	1.02	1.49	0.95	0.92
39.01	44.06	40.30	31.28	41.20
1.69	2.86	3.18	9.26	2.88
18.31	14.69	17.91	12.34	16.86
3.48	2.59	2.79	1.60	3.22
45.38	60.04	47.76	39.47	52.85
1.49	1.20	1.09	0.23	1.29
1.99	1.39	0.50	0.77	1.28
5.17	3.23	2.19	6.13	3.72
138.03	151.48	155.04	164.50	146.78
0.70	5.08	1.09	1.49	2.98
158.63	130.23	145.98	139.95	149.21
83.70	80.82	126.88	176.40	99.24
16.12	17.83	17.71	18.96	18.31
21.30	27.52	27.46	17.71	25.32
2.09	2.96	1.49	0.79	1.98
45.18	55.79	45.28	35.60	58.88
9.35	10.90	7.56	5.54	9.10
11.54	12.56	11.05	12.13	11.94
19.21	24.38	18.71	31.75	21.38
201.82	182.88	226.58	191.97	198.37
1.19	0.37	1.00	1.71	0.64
17.91	20.04	13.73	22.98	17.22
152.36	112.13	127.97	115.26	130.69
4.68	5.45	4.58	3.46	5.13
19.61	21.52	15.32	7.06	19.98
0.90	2.49	1.19	0.36	1.56
2.49	1.94	1.69	3.56	1.81
0.30	2.49	1.29	1.30	1.12
47.57	43.23	22.99	28.37	43.53

3.58	2.96	2.09	4.52	2.95
2.49	2.86	0.80	0.25	2.20
63.19	96.06	94.83	232.49	73.84
2.99	3.23	2.09	9.29	2.68
5.27	3.60	3.48	3.23	4.10
49.36	20.78	35.03	121.33	30.18
13.63	12.84	12.64	10.54	12.56
23.98	23.46	23.98	27.17	23.70
11.74	13.58	12.34	17.54	12.79
65.58	78.51	83.89	75.39	74.67
34.23	29.10	29.85	31.73	29.51
124.80	110.93	123.79	95.25	119.05
1.99	2.31	2.59	2.51	2.35
98.13	94.03	87.17	66.18	94.01
53.14	32.70	75.03	52.01	48.96
53.84	27.62	32.24	102.97	36.06
2.59	3.23	2.39	3.67	2.72
2.79	2.40	1.00	0.28	2.37
19.41	25.68	23.58	23.01	23.57
18.31	18.84	24.18	17.94	20.16
16.52	16.72	14.73	20.58	17.04
52.15	54.96	66.27	46.74	56.92
82.10	120.26	112.35	137.06	100.08
37.12	33.71	38.71	32.17	39.10
11.84	9.24	13.33	10.62	11.63
5.08	5.26	5.37	5.82	5.29
19.61	19.30	14.53	24.21	18.60
76.63	92.46	106.38	144.70	93.90
22.19	22.44	21.89	17.80	21.71
10.25	7.30	8.56	10.17	8.58
10.25	14.22	13.23	10.93	12.33
18.21	29.10	36.72	27.41	28.11
57.22	63.64	65.18	64.49	62.36
10.35	12.47	11.34	10.30	11.38
30.35	27.71	30.25	26.95	27.63
3.88	11.08	11.84	6.13	10.24
9.35	7.39	7.76	14.51	8.08
25.38	26.97	26.07	30.53	26.61
25.38	24.85	26.47	31.01	28.74
8.06	9.88	9.06	7.62	8.71
55.33	58.56	63.99	39.38	58.55
26.27	24.75	23.58	25.98	25.09
1.59	1.11	2.09	1.83	1.32
2.49	3.60	3.08	4.19	3.18
3.98	9.61	2.79	12.83	5.51
71.06	56.80	60.90	32.77	61.14
78.62	64.84	72.14	60.44	77.61

4.58	4.25	6.47	5.48	5.43
93.15	84.14	57.62	49.10	86.06
24.68	34.82	27.86	25.16	31.37
1.09	1.29	0.90	0.79	1.17
1.69	3.60	2.69	1.52	2.53
15.43	12.75	13.73	14.19	13.82
20.70	17.73	18.51	19.01	20.83
22.19	21.34	21.10	26.59	22.37
51.25	51.72	52.94	65.02	50.60
25.18	26.97	34.43	32.28	27.55
2.89	6.37	3.08	0.46	4.82
6.87	7.30	5.67	2.17	6.54
167.19	154.25	133.05	75.58	163.02
11.94	12.28	9.95	6.68	11.95
25.08	23.83	20.30	27.20	24.18
44.39	60.13	59.51	52.43	55.87
10.25	11.45	16.52	15.47	12.52
39.81	38.79	42.99	50.88	37.15
102.01	95.97	89.86	68.95	100.46
27.67	32.79	31.94	14.93	30.23
32.14	34.27	29.55	30.58	30.56
27.77	26.32	35.62	19.89	29.12
14.23	13.39	11.24	21.56	12.37
12.54	13.76	19.40	18.18	15.25
137.54	123.58	113.44	84.83	126.56
17.61	18.20	12.04	12.31	16.04
13.83	23.00	24.98	26.31	22.18
168.58	145.84	138.62	218.19	153.13
35.83	26.32	21.89	15.76	28.24
41.20	41.84	41.50	39.85	42.31
17.52	23.37	19.01	22.58	21.16
24.18	26.69	22.49	22.10	24.78
68.27	45.44	52.64	47.48	57.69
43.99	42.95	42.39	35.70	43.32
35.03	29.56	24.98	13.53	32.27
23.19	20.97	16.62	8.98	22.14
9.45	8.68	7.07	10.49	8.73
6.57	6.47	6.77	5.52	8.14
54.14	42.58	52.74	83.24	46.90
21.50	18.20	20.60	12.43	21.73
11.25	10.99	9.06	10.14	10.06
70.76	80.63	89.56	81.89	76.49
14.83	12.19	11.15	11.67	12.82
8.76	7.11	7.86	7.89	7.83
69.27	51.63	47.76	29.07	54.63
2.89	3.51	2.39	4.67	2.70
5.77	6.10	5.67	8.70	5.55

16.42	18.66	17.02	20.93	19.49
24.78	18.47	31.25	23.89	25.44
24.68	19.67	18.81	20.57	20.68
11.84	12.93	15.03	12.59	12.79
3.98	5.08	4.48	2.62	4.27
41.20	36.58	39.90	67.04	36.40
24.78	74.08	24.98	11.45	48.32
102.01	109.82	109.66	103.61	105.28
23.59	18.47	20.40	19.71	21.39
20.70	15.42	18.81	25.06	18.94
30.85	23.92	22.59	23.79	24.86
30.05	21.34	19.70	27.60	21.53
25.68	26.88	22.29	27.88	25.31
9.06	12.10	11.05	10.39	10.32
19.31	18.93	23.68	19.74	20.56
10.75	13.30	14.33	21.29	12.53
31.85	31.77	30.15	19.55	33.29
51.05	67.33	66.67	28.21	63.41
0.00	2.96	3.48	1.15	2.18
65.78	64.10	61.20	58.69	61.88
21.30	19.67	21.30	30.20	21.06
11.35	16.35	15.42	11.15	14.03
10.65	9.61	9.95	13.18	10.08
9.55	11.36	8.36	8.28	10.00
14.13	13.49	14.43	13.70	15.47
16.52	14.32	14.63	12.77	16.16
1.39	0.83	2.29	2.06	1.22
13.63	12.93	14.73	19.39	13.35
11.44	4.71	7.96	6.75	7.54
1.69	4.25	2.39	4.63	2.78
1.00	1.48	0.80	0.84	0.98
24.68	43.23	21.69	14.65	32.56
30.25	40.46	35.13	50.77	33.69
5.87	8.13	8.16	23.34	6.83
0.90	0.18	1.69	1.10	0.82
27.96	19.03	23.48	12.28	23.17
134.95	152.31	131.85	189.29	131.64
16.92	18.75	9.75	10.17	14.64
6.37	4.90	2.79	2.97	5.82
4.28	4.90	5.87	3.72	4.93
44.68	41.56	42.79	50.86	43.31
12.74	14.50	13.73	23.56	12.99
60.71	62.53	63.99	79.71	60.35
24.58	19.30	18.51	18.60	21.34
22.09	19.30	17.71	21.04	20.40
36.32	30.39	38.21	57.32	33.74
3.18	2.68	2.59	2.54	2.71

10.95	8.68	10.25	9.58	10.37
66.48	82.39	78.61	109.79	79.19
10.25	6.93	7.96	12.47	8.81
18.01	16.26	15.32	13.76	16.28
65.78	72.32	76.72	81.59	71.07
96.73	91.26	87.17	96.71	90.73
15.72	7.85	10.95	42.84	9.64
75.34	123.22	93.84	115.36	101.67
80.11	88.21	91.15	66.61	88.07
26.47	33.16	26.67	33.34	27.79
70.26	126.54	106.38	110.55	96.75
25.58	47.29	30.25	6.20	35.94
32.54	35.65	47.86	78.99	36.05
35.33	77.22	85.68	89.62	61.30
18.91	15.52	21.49	26.33	18.12
15.13	14.22	13.14	12.20	13.84
58.12	68.17	62.09	20.62	64.61
225.71	126.73	166.78	143.88	171.41
35.63	38.89	39.90	32.55	36.81
105.29	87.84	101.50	102.12	98.50
0.90	1.66	1.39	1.46	1.52
14.03	12.10	7.76	19.78	11.60
20.00	20.04	20.50	7.00	22.30
26.27	17.92	18.31	29.06	21.21
7.56	4.80	7.26	3.96	7.56
47.47	35.93	27.27	44.65	41.18
24.28	24.85	22.59	24.68	24.46
9.95	9.51	12.24	12.82	11.18
34.04	33.90	31.05	28.52	32.86
6.27	5.45	7.56	0.51	7.50
8.26	6.47	6.57	11.86	7.44
14.73	13.85	11.44	8.95	14.24
2.29	5.91	4.58	6.04	3.67
15.23	13.21	18.01	12.65	15.02
3.78	5.54	4.08	11.81	4.01
9.45	12.65	6.57	6.71	10.67
15.33	14.32	14.83	9.10	14.46
26.27	22.17	23.48	14.85	23.60
106.98	134.58	125.78	135.29	127.47
19.41	20.23	19.30	21.09	18.62
26.17	20.60	16.12	16.34	22.48
42.20	36.48	45.68	22.64	45.61
16.22	16.81	13.53	23.05	15.18
46.87	42.40	43.98	40.17	44.90
65.88	63.73	72.34	67.92	66.11
5.67	3.79	5.47	4.21	4.59
4.98	7.67	6.67	5.74	7.23

3.58	3.33	5.87	4.95	3.98
1.49	1.48	1.00	0.67	1.21
5.57	8.13	7.86	6.69	6.62
13.93	9.42	16.92	8.56	12.75
0.30	1.29	0.90	1.16	0.81
6.87	13.67	21.10	19.41	13.44
147.49	132.91	190.06	271.39	144.26
102.01	159.15	134.94	12.03	138.89
64.39	87.38	87.67	50.60	84.45
25.28	25.59	23.09	32.21	24.74
36.72	36.95	39.70	39.56	37.97
38.51	28.54	35.13	42.85	33.75
3.98	2.03	1.99	3.71	2.66
34.04	42.49	30.85	28.64	36.72
14.03	10.53	11.74	17.18	11.98
17.91	26.23	27.66	36.36	23.03
135.84	153.51	147.87	111.96	141.35
5.47	7.57	4.88	8.24	6.19
17.22	18.20	17.22	18.12	18.46
1.39	3.97	4.48	4.24	3.41
19.61	16.90	17.22	19.56	18.48
14.43	24.57	15.03	18.69	17.83
5.37	9.05	9.35	12.82	7.30
28.96	24.75	27.27	25.71	25.90
35.73	34.27	38.61	27.59	34.54
8.46	6.93	7.46	14.72	7.67
3.78	4.62	4.68	3.59	4.18
13.14	14.96	14.33	13.39	14.52
17.61	26.05	28.86	17.31	26.27
4.48	4.06	4.58	3.51	4.16
12.24	9.98	10.65	7.56	11.21
36.72	60.96	40.40	33.11	47.91
40.40	36.85	37.91	53.93	39.34
13.14	12.10	8.56	9.62	11.35
79.71	88.49	72.64	40.04	81.55
13.14	12.28	10.45	5.17	12.41
73.74	60.41	61.40	99.02	64.92
23.09	24.66	26.57	23.55	25.08
4.58	6.37	3.38	3.39	4.72
7.07	4.80	5.87	6.09	5.92
0.10	2.12	1.99	0.82	1.46
151.77	261.21	419.73	434.73	245.08
4.98	8.04	21.49	0.51	10.27
23.79	29.83	27.07	38.71	25.66
10.25	8.13	7.66	15.61	7.55
41.10	44.80	42.89	26.19	44.13
26.37	32.70	26.77	35.23	30.49

41.10	41.19	37.22	60.01	41.27
35.83	41.75	36.72	39.72	39.02
25.38	31.96	25.97	100.08	28.02
75.83	71.40	70.85	43.49	75.01
102.70	92.46	74.83	67.78	89.44
168.98	209.30	208.18	114.08	196.02
3.68	3.14	6.07	5.66	3.57
14.43	10.34	13.63	9.89	14.02
76.73	53.11	58.81	32.98	64.87
8.96	10.25	8.36	9.69	9.16
31.35	11.36	14.93	10.60	17.69
131.86	129.96	104.88	104.60	124.98
23.59	25.68	18.51	20.06	23.41
42.40	49.42	51.05	31.43	50.74
2.89	2.22	1.89	3.19	2.44
25.87	24.48	23.19	22.54	23.44
26.57	27.43	24.88	20.17	25.31
14.93	17.00	20.00	14.86	16.39
15.62	13.76	14.83	17.68	15.73
12.44	22.44	14.73	14.92	16.16
7.26	4.90	4.18	6.92	5.63
1.89	1.02	1.09	1.00	1.51
7.17	6.37	8.56	6.97	7.32
19.80	14.04	17.81	19.88	16.17
159.73	48.12	30.15	1.91	78.88
241.03	402.80	258.73	3373.94	305.16
138.33	43.23	134.94	134.81	84.90
61.20	38.24	73.64	82.55	57.03
316.27	381.28	414.16	477.20	365.81
5.97	7.76	7.36	3.11	7.20
2.89	1.02	1.39	5.25	1.45
13.24	13.49	15.32	10.89	13.98
6.07	3.14	4.48	4.27	4.65
7.96	8.96	8.66	8.24	8.13
33.64	47.20	51.45	46.86	41.72
34.43	35.93	34.33	33.99	34.57
10.55	8.59	8.46	8.05	8.89
30.85	29.28	29.06	33.11	28.61
7.96	7.67	9.45	8.09	8.04
3.18	0.83	0.00	2.17	1.51
13.63	15.89	20.10	11.97	16.41
1.00	2.96	3.18	5.79	2.29
37.72	43.41	29.75	48.53	36.24
243.72	257.42	268.58	284.03	248.65
27.67	40.55	19.11	20.23	29.66
0.40	0.00	0.00	2.49	0.13
1.00	2.03	1.99	1.56	2.17

7.17	1.94	7.76	8.05	5.45
5.47	9.61	6.17	8.44	6.54
11.84	14.50	12.34	13.42	12.92
5.87	5.82	3.38	5.68	5.09
18.81	20.04	18.21	21.62	19.00
2.29	2.86	1.19	2.50	2.06
11.25	11.55	13.53	20.02	11.99
53.84	57.91	61.80	67.95	55.48
70.56	86.27	86.47	75.10	79.99
99.42	105.85	122.20	98.93	107.59
84.79	72.04	110.95	120.09	81.69
16.12	15.52	9.45	7.64	13.68
23.88	19.77	13.93	9.48	19.32
21.79	7.02	13.53	20.29	14.72
2.99	3.51	2.99	2.64	2.46
13.34	9.51	10.25	4.96	12.82
0.50	1.39	1.00	0.44	1.19
9.65	13.30	9.25	10.91	10.70
43.99	54.40	63.39	69.32	51.11
2.29	5.63	3.98	3.59	4.21
17.12	23.00	16.72	25.15	18.53
5.97	8.41	7.86	8.01	7.64
4.18	3.42	4.68	5.15	3.76
25.38	21.43	20.20	15.25	23.98
19.11	14.69	17.81	18.41	19.21
10.75	7.30	8.66	6.62	9.07
13.63	15.42	13.43	15.79	13.43
5.67	4.53	5.27	6.08	4.75
10.45	9.33	9.55	11.73	11.18
13.53	13.21	15.03	16.12	13.98
16.12	12.10	13.14	16.46	15.11
3.88	4.62	4.58	4.24	4.18
12.44	10.53	13.14	10.11	12.06
9.16	9.88	8.56	8.59	9.49
10.05	13.12	11.44	9.51	11.53
51.35	53.20	56.42	11.62	57.38
132.56	159.61	152.55	101.86	149.41
101.01	50.43	73.14	31.95	66.69
3.88	1.02	0.80	0.41	1.96
28.06	26.88	30.75	32.51	27.89
31.85	30.11	21.49	9.00	28.94
20.20	17.00	18.81	26.66	18.64
15.82	17.55	13.33	20.74	15.09
2.49	2.86	2.59	2.06	2.77
37.32	36.95	47.07	42.66	39.68
106.29	177.71	121.30	131.04	131.47
26.27	36.48	29.95	24.75	32.68

6.97	4.06	7.36	13.76	5.86
33.84	28.91	28.06	18.12	29.65
17.42	11.64	14.43	21.98	14.00
128.98	131.25	120.51	141.64	132.50
10.85	1.48	1.09	19.48	3.70
1.19	0.65	0.90	1.31	0.78
6.27	5.17	6.77	3.54	5.81
21.40	28.82	24.18	21.35	25.20
18.71	17.36	14.43	10.05	19.35
6.77	4.99	4.28	4.26	5.21
23.29	21.34	20.30	14.14	22.13
33.74	34.36	23.19	22.08	31.50
74.84	88.02	82.59	83.66	80.87
23.88	25.59	22.39	24.62	23.93
1.49	1.85	3.08	6.27	2.36
279.65	296.95	244.40	228.38	271.19
7.96	12.75	12.14	6.43	9.92
1.79	1.75	1.29	0.57	1.81
257.06	110.01	167.38	1.49	239.96
1.59	2.59	0.80	0.49	1.65
11.05	11.55	10.05	1.72	10.59
17.71	24.48	11.74	8.37	19.13
1.09	1.11	1.49	0.88	1.11
19.11	14.87	18.31	15.17	16.99
19.80	18.29	17.41	15.72	18.17
7.66	7.11	5.67	4.19	6.69
136.54	74.08	85.28	119.63	103.81
10.15	21.06	12.74	13.75	15.53
5.47	9.33	4.88	4.45	6.09
58.62	75.37	69.86	40.27	67.15
99.32	84.79	93.44	106.37	89.56
246.41	184.73	225.09	216.55	213.81
347.32	353.02	411.77	539.90	361.24
162.61	141.32	163.10	139.93	149.27
10.05	9.51	10.55	11.67	9.93
8.86	6.19	9.25	9.24	8.03
54.24	48.86	40.60	17.29	52.40
97.63	96.71	92.35	86.26	96.54
199.44	205.88	164.69	157.75	196.10
24.38	30.57	50.85	28.86	33.65
0.80	1.02	0.80	0.84	1.09
17.02	13.39	17.02	35.32	15.17
2.39	3.05	2.89	5.64	2.87
24.38	22.26	18.81	21.81	21.29
96.83	80.91	93.24	107.43	86.43
24.28	32.51	20.40	19.90	26.50
21.89	20.41	22.39	15.47	21.73

93.85	68.26	90.55	115.22	80.75
592.54	427.56	479.84	424.88	488.15
64.99	46.37	54.63	64.15	54.56
23.79	22.35	25.38	38.87	23.02
107.98	84.05	94.73	160.63	93.31
24.18	18.75	19.90	11.87	21.64
1.19	1.85	1.79	1.46	1.49
180.03	140.86	147.77	164.06	157.44
1.99	2.49	2.59	1.89	2.40
259.94	261.95	259.32	355.90	254.84
0.20	0.37	0.20	1.37	0.26
73.54	93.20	54.03	10.62	69.59
13.73	16.35	21.30	14.81	17.64
4.68	5.91	3.38	4.64	4.57
4.58	7.67	6.07	5.43	6.69
32.54	39.62	31.94	31.10	36.00
14.23	17.18	17.51	17.61	15.51
11.84	11.55	8.36	13.38	9.93
54.44	41.01	46.77	47.20	46.89
8.56	6.47	7.46	9.47	7.89
6.47	5.08	6.87	7.02	6.02
32.64	27.16	28.16	30.35	30.67
3.38	3.79	2.89	2.81	3.21
9.85	12.38	10.15	11.09	9.77
14.43	11.82	13.43	9.79	14.03
9.65	11.27	15.62	18.65	11.06
159.23	189.81	154.04	209.72	189.28
2.79	4.62	5.37	5.28	4.80
4.28	2.68	5.08	3.05	4.65
24.78	16.81	17.81	16.14	20.12
19.80	17.92	21.79	21.22	19.87
36.52	26.14	25.67	52.92	32.34
4.58	5.73	5.47	21.59	4.58
107.58	104.65	95.83	93.77	108.30
10.95	9.88	6.27	2.63	9.39
6.77	12.93	12.94	26.50	10.65
4.08	5.36	2.89	3.80	4.03
13.53	17.36	11.54	16.55	14.18
10.65	17.64	19.60	14.17	15.76
12.74	13.49	12.64	14.59	13.03
12.74	5.26	3.58	2.11	7.04
6.57	5.91	4.18	5.19	5.90
5.08	4.90	6.77	7.48	5.19
2.39	2.68	1.99	1.23	2.27
32.05	29.93	33.83	35.16	32.13
22.59	20.78	16.72	13.75	20.10
20.20	17.83	17.41	16.35	17.65

12.54	7.57	9.55	7.61	9.15
36.72	39.81	28.46	2.44	42.13
22.39	22.81	17.12	9.97	21.77
0.60	0.65	0.80	0.90	0.92
2.49	3.51	2.19	2.28	2.36
23.09	81.56	85.68	81.00	60.78
7.07	7.76	6.67	6.58	7.36
15.92	15.15	12.14	14.39	14.62
9.65	8.68	9.45	12.08	9.41
16.52	17.36	31.25	13.42	24.17
6.57	4.25	5.17	7.51	5.77
65.09	57.91	72.74	89.57	63.42
47.67	41.66	44.88	58.56	44.13
1.09	2.12	0.50	1.69	1.21
14.73	11.73	10.75	14.05	11.76
25.08	24.01	20.20	30.61	23.42
4.88	4.80	5.57	5.39	5.36
5.27	4.99	4.48	2.30	5.14
31.05	33.62	37.22	27.48	33.21
34.73	37.50	19.30	0.07	36.17
43.19	27.71	20.90	0.08	39.11
4.08	4.16	2.49	3.49	3.88
19.70	19.67	18.41	13.97	19.88
6.17	6.56	7.07	6.46	6.78
65.58	67.89	59.61	52.79	66.48
33.54	26.69	31.84	27.08	29.33
75.44	68.81	60.00	107.45	68.27
71.55	55.42	46.27	29.49	60.55
33.04	35.47	38.01	34.81	33.99
19.41	16.44	16.62	15.22	17.91
3.48	3.42	3.78	4.31	4.06
2.69	2.12	1.89	2.55	2.05
43.79	28.82	30.05	34.96	35.01
63.79	86.36	69.76	40.08	74.17
5.08	5.73	4.18	4.15	5.39
1.19	1.85	1.99	0.82	1.67
18.61	17.46	17.81	21.44	19.06
68.17	66.69	67.77	99.82	69.56
26.07	36.30	34.33	29.39	31.53
1.29	1.48	0.30	0.66	1.05
10.25	10.34	9.65	11.66	10.12
25.38	25.22	29.36	23.39	26.71
1.29	1.20	1.69	1.71	1.30
6.27	4.53	2.89	3.99	4.59
5.97	6.00	6.17	6.10	5.99
11.64	10.71	13.53	15.55	11.59
24.98	21.71	24.08	21.65	22.33

105.19	100.77	105.68	131.09	102.34
2.99	6.56	5.27	6.36	4.46
13.53	9.98	9.75	10.26	11.25
15.23	14.13	17.51	13.54	15.98
8.66	10.90	12.04	13.15	11.50
1.29	1.29	0.10	0.50	0.96
1.09	1.57	2.39	2.05	1.99
6.77	7.20	6.47	6.09	6.66
27.07	26.97	26.77	25.13	26.70
37.42	23.09	31.54	42.06	28.32
7.66	7.11	4.98	5.24	6.93
6.37	9.14	7.26	6.86	7.68
17.71	17.36	18.71	27.52	16.95
4.68	4.80	4.68	3.24	4.52
21.60	21.98	21.39	21.40	20.98
9.75	25.95	25.87	24.83	18.84
8.26	8.31	7.16	8.16	7.54
10.95	12.93	9.95	14.15	11.14
11.64	10.25	10.35	10.23	11.47
1.00	0.74	0.60	1.36	0.71
73.15	60.96	60.60	61.22	67.18
8.16	11.27	12.04	15.82	9.57
6.87	5.36	5.37	4.44	5.60
22.99	17.46	17.12	16.99	19.66
6.87	14.96	10.85	11.16	10.38
0.70	1.20	0.70	1.65	0.84
4.48	2.40	3.68	4.04	3.33
33.24	18.93	24.88	37.19	26.71
95.54	79.34	84.88	88.74	85.55
47.17	56.07	62.59	53.90	52.03
2.59	3.23	2.59	1.88	2.73
213.27	194.43	186.38	326.07	186.68
5.67	7.39	6.27	4.97	5.97
10.55	5.26	5.08	7.99	6.93
95.84	75.65	75.53	78.26	81.17
20.40	84.05	92.15	88.73	70.17
87.97	89.87	73.54	82.39	78.85
5.47	7.39	4.78	4.05	5.67
2.89	4.34	3.08	3.18	3.49
48.76	44.06	43.29	60.92	45.20
12.34	10.53	11.44	8.39	11.20
12.44	7.11	12.14	10.10	10.04
30.55	23.28	32.74	25.88	30.01
10.25	10.99	9.85	11.65	10.68
234.76	202.37	193.05	133.76	210.89
135.05	121.83	123.39	154.34	120.73
10.85	12.75	12.64	12.22	10.64

5.37	5.45	4.48	4.73	5.40
66.88	52.65	54.33	40.90	61.33
35.63	27.16	27.76	28.05	31.54
1.19	2.59	0.70	0.83	2.00
2.69	2.22	1.79	2.29	2.18
3.88	3.88	3.28	4.71	3.77
12.74	17.46	15.23	12.28	15.30
46.57	35.47	35.53	45.84	41.26
106.58	87.38	90.45	99.85	93.61
3.78	3.88	2.29	8.56	3.18
4.98	4.53	4.58	4.52	4.78
1.39	2.49	1.09	1.62	1.78
263.82	238.76	360.82	113.88	263.71
62.90	51.54	50.85	34.49	60.89
31.55	20.78	25.18	50.81	24.65
11.64	12.56	11.05	12.76	11.56
27.37	23.65	25.08	24.35	25.84
23.69	21.24	19.90	18.87	22.17
5.17	6.00	7.07	6.45	5.70
23.69	16.53	17.71	20.70	18.74
3.48	2.77	2.59	2.74	2.75
5.67	6.37	9.85	6.76	7.08
6.27	4.43	5.27	6.01	5.23
147.89	215.03	211.16	183.13	223.00
110.47	123.22	127.37	139.00	122.08
1.00	1.39	2.69	1.26	1.80
7.36	7.30	7.66	4.27	7.41
5.97	7.20	6.67	10.19	6.19
31.95	28.45	26.07	40.15	28.88
63.19	73.15	91.65	104.17	72.34
61.80	42.86	51.55	53.73	52.12
9.06	7.39	7.66	21.06	7.67
43.89	42.03	41.10	45.10	44.41
60.61	61.15	53.44	63.28	58.07
2.79	4.25	2.79	2.84	3.43
0.30	0.65	0.50	3.50	0.52
44.78	43.78	31.74	26.40	40.81
103.00	62.81	73.74	145.24	72.45
9.16	5.26	3.08	0.54	7.06
0.30	1.20	1.00	1.30	1.44
81.61	75.83	47.27	130.94	69.99
45.48	31.87	39.11	55.05	42.53
12.24	14.22	7.96	29.52	10.94
56.83	107.24	51.55	48.22	71.20
80.31	65.67	71.25	102.11	71.42
20.10	24.85	20.30	36.64	21.84
16.62	17.64	16.82	19.82	16.56

25.18	24.29	23.19	21.07	23.15
90.36	136.42	123.09	84.81	109.57
29.76	22.63	23.78	30.93	27.09
39.81	31.77	32.34	40.43	33.40
158.63	148.71	144.79	183.68	152.55
209.49	226.11	188.37	1201.26	215.40
1.69	1.94	0.90	0.27	2.39
11.64	11.45	8.26	5.57	11.06
191.87	331.04	136.63	13.45	260.34
10.65	15.15	8.06	1.81	11.84
1.19	3.14	6.07	1.47	3.33
33.84	24.01	32.24	27.92	28.39
12.04	10.07	7.56	10.19	9.28
13.83	6.74	5.47	0.38	8.37
33.24	30.30	41.20	15.12	35.78
1.00	1.39	2.19	2.15	1.24
5.87	3.42	6.87	4.87	4.58
24.88	19.58	43.98	42.49	29.02
11.44	20.04	11.34	10.23	14.87
103.40	95.32	89.56	41.55	99.38
25.87	20.60	21.79	1.63	25.97
175.65	193.78	46.27	5.00	151.88
2.69	4.62	3.78	2.90	3.40
6.07	4.06	2.79	0.94	5.22
1.29	2.12	0.70	0.16	1.44
13.34	11.18	12.84	12.23	12.90
1.99	3.14	3.28	1.67	3.05
24.58	22.54	9.95	0.12	33.43
0.60	1.57	0.60	0.89	1.01
1.19	1.48	1.19	3.16	1.38
31.55	42.77	40.10	76.06	39.68
88.07	74.63	59.91	17.34	85.51
9.35	7.85	12.44	5.94	9.75
3.28	3.23	3.68	2.18	3.24
22.49	39.72	35.23	57.98	30.89
53.44	59.95	46.37	47.99	53.51
341.05	401.70	322.31	123.30	382.02
453.51	698.56	733.79	706.73	746.63
2.49	4.25	6.47	7.56	3.84
1.09	0.65	1.79	4.23	1.01
56.92	66.32	52.14	68.30	56.95
91.76	100.03	92.74	119.22	91.84
29.66	27.34	22.39	28.13	25.78
169.48	189.63	191.36	186.53	181.43
148.48	179.28	171.46	199.17	164.33
51.15	53.11	56.92	57.54	55.51
51.35	68.72	52.04	75.43	55.75

227.30	267.40	295.15	167.70	258.58
222.82	271.83	311.37	388.46	240.08
616.12	502.01	452.97	666.61	587.16
0.90	2.03	0.70	2.36	1.13
3.48	6.19	6.57	7.39	5.83
44.39	40.83	42.99	45.97	41.58
102.01	107.33	75.83	90.85	94.33
12.04	9.70	11.34	16.47	11.27
48.66	43.69	40.00	38.30	44.61
32.94	24.66	24.58	30.67	27.68
4.68	7.76	2.09	4.83	6.50
26.27	22.35	26.07	24.55	24.67
50.36	47.20	58.21	48.53	50.84
49.56	43.04	52.14	44.92	47.71
7.96	7.30	7.96	7.65	7.73
16.22	12.75	16.92	21.76	15.13
7.36	7.11	8.16	6.45	7.74
8.86	8.59	8.46	11.49	9.19
8.76	4.90	8.06	4.90	7.32
21.60	22.35	23.19	23.72	23.44
61.01	59.30	56.42	55.87	57.16
9.95	7.39	10.75	18.84	8.32
67.67	55.23	54.23	44.59	59.25
316.37	101.14	118.62	434.54	161.84
205.71	212.90	194.04	290.04	206.32
26.97	23.00	30.15	41.26	25.87
11.35	14.13	14.43	11.94	13.95
63.00	55.79	57.12	67.86	55.97
29.76	32.42	33.73	35.27	32.12
29.16	24.38	26.97	31.60	29.69
13.04	10.16	12.24	11.08	12.05
56.43	59.76	51.94	53.93	57.25
37.42	33.53	31.35	25.46	35.90
1.69	3.69	2.89	3.10	2.67
66.58	47.01	61.90	49.88	61.39
0.60	1.66	1.39	0.41	1.26
39.61	47.94	31.05	69.50	38.74
48.76	54.31	50.15	49.50	51.60
49.36	64.56	58.21	32.96	57.49
85.88	98.37	95.63	79.93	94.78
71.06	60.59	54.73	47.87	61.21
12.84	11.18	7.26	2.44	9.33
31.85	28.82	32.54	56.88	29.90
3.68	6.47	5.87	3.65	5.52
206.00	262.32	264.20	171.11	230.86
12.24	15.33	7.26	5.62	13.29
4.48	5.91	5.17	5.14	5.34

1.00	0.46	1.29	1.17	0.81
20.50	25.31	16.92	7.01	21.62
0.80	0.65	1.39	1.54	1.06
11.44	12.19	10.15	20.52	10.40
9.65	10.44	9.85	6.75	9.70
16.12	20.97	17.31	21.69	18.97
5.77	12.75	10.15	30.31	9.19
84.09	91.63	92.44	104.68	86.39
12.54	10.81	11.64	9.36	11.71
29.26	22.17	20.20	32.15	23.18
201.63	169.49	174.84	177.84	170.36
8.36	6.28	6.77	5.80	6.33
28.86	41.93	33.44	56.38	31.87
14.03	18.93	11.05	20.81	14.32
16.32	9.24	10.05	14.21	12.44
215.96	198.22	174.14	234.13	191.08
18.11	16.35	16.42	12.41	17.61
40.50	26.42	30.95	27.87	31.19
24.68	25.22	23.09	19.70	25.95
0.20	0.37	0.20	1.14	0.29
139.92	117.86	114.74	131.95	119.42
31.75	46.37	37.42	34.61	41.35
43.79	40.27	38.71	40.34	43.63
10.05	9.42	11.64	10.80	10.34
7.56	7.30	6.17	5.27	7.50
71.85	47.20	48.76	72.29	55.27
13.04	16.72	19.21	12.38	16.88
86.38	29.74	29.46	111.20	43.84
107.68	180.57	140.71	157.29	154.91
74.24	72.41	65.78	123.84	69.59
16.62	20.23	21.89	15.08	19.42
115.54	128.30	130.26	185.85	117.93
5.37	9.33	9.06	8.76	7.52
17.22	12.19	12.44	10.43	13.02
103.00	125.15	126.88	34.64	129.61
22.39	23.65	19.80	8.98	23.59
13.44	12.65	12.04	14.67	13.29
12.34	12.10	8.86	2.42	11.42
2.09	3.33	4.68	2.78	4.35
55.93	59.48	59.91	47.85	58.00
6.87	6.37	5.27	4.69	6.59
67.47	65.12	67.27	47.26	68.84
113.35	119.15	94.63	92.44	109.34
3.58	2.40	2.89	5.73	2.56
8.96	8.59	9.85	8.18	9.72
14.53	18.66	14.73	19.53	16.08
97.03	75.74	74.43	104.18	83.52

0.50	2.12	1.29	2.72	1.33
57.42	42.49	47.27	45.94	48.16
45.98	59.95	67.27	85.61	59.43
19.61	21.15	19.01	18.92	22.52
15.92	15.06	17.41	17.99	16.04
25.08	21.43	18.81	18.36	22.61
27.77	29.83	27.56	41.74	31.30
15.52	16.26	14.73	12.47	15.67
18.51	18.84	13.73	18.41	16.53
4.08	5.36	4.28	6.85	4.28
22.09	24.85	24.08	22.95	23.85
8.86	6.28	6.87	5.80	7.02
17.12	18.01	18.51	25.96	18.02
10.05	9.51	10.05	12.01	10.24
6.27	5.91	7.16	4.46	7.05
14.53	15.98	13.43	17.49	14.21
52.45	48.12	47.76	45.66	50.06
5.67	3.79	4.18	3.81	4.67
11.54	9.79	12.54	14.52	10.99
53.14	35.47	61.60	35.66	48.66
8.36	5.54	6.97	5.67	7.43
6.37	5.91	6.97	7.43	5.88
0.90	3.69	5.97	0.61	2.70
1.00	3.42	0.60	5.60	1.38
36.82	47.94	78.02	47.29	50.76
45.38	37.13	32.94	2.82	41.80
43.19	51.36	33.04	42.38	44.87
2.69	4.34	3.08	1.35	3.60
0.10	1.02	0.40	1.29	0.41
21.30	18.10	17.91	18.53	18.49
0.80	1.11	0.80	1.24	0.93
4.18	5.82	2.89	3.36	4.11
4.48	8.31	5.37	3.11	6.50
37.22	49.78	48.76	28.82	44.64
3.88	6.37	5.08	1.26	5.32
10.55	14.96	9.15	11.28	11.54
63.89	47.11	47.17	68.14	51.19
15.03	18.47	14.23	10.79	15.72
27.17	29.00	27.86	30.51	27.42
57.42	55.05	61.70	59.68	57.46
15.82	17.27	18.91	17.18	16.91
12.84	15.24	14.53	13.19	15.48
18.01	22.26	18.71	14.29	20.33
7.17	9.05	8.56	10.33	8.06
14.13	13.85	16.22	12.91	15.60
38.31	37.96	39.51	35.68	37.03
10.95	11.64	10.25	13.35	10.48

7.36	9.61	8.76	10.84	7.85
2.19	1.11	0.50	0.06	1.86
69.96	68.81	80.11	58.36	71.86
3.38	3.14	3.38	3.33	4.02
94.54	165.70	136.53	70.26	135.40
13.93	10.81	5.57	18.83	9.22
5.27	4.53	1.59	10.78	3.92
3.48	2.49	1.29	1.64	2.54
14.53	20.69	16.62	12.94	17.69
2.19	3.05	1.99	3.88	2.91
9.16	6.65	5.77	7.43	7.98
2.69	2.22	1.89	2.86	2.30
119.02	122.94	82.20	17.05	126.75
20.10	18.01	39.90	23.07	22.31
84.89	83.68	105.88	99.07	84.68
29.56	25.31	26.27	22.20	27.99
3.48	5.63	3.98	3.65	4.13
249.89	342.77	370.18	367.91	366.95
194.16	223.34	213.15	172.71	213.92
12.44	7.67	9.15	27.17	8.80
20.60	19.03	22.29	26.08	21.29
21.60	20.97	19.70	24.98	21.22
17.42	21.34	23.48	31.90	18.62
19.21	14.13	24.98	22.67	20.32
4.98	5.17	3.58	4.40	4.35
8.26	10.71	11.15	7.16	10.12
7.86	8.04	8.26	9.59	8.09
12.74	13.12	10.55	10.82	12.32
14.73	13.85	18.41	15.96	15.16
7.86	7.30	8.46	6.14	7.74
25.08	23.55	26.87	18.62	25.22
10.25	6.74	6.77	8.96	8.12
19.31	28.08	36.92	44.76	28.21
33.94	43.04	36.62	30.81	35.28
16.62	18.66	19.70	18.39	17.88
2.79	3.51	3.88	2.42	3.37
3.68	6.10	3.78	2.43	4.34
18.41	21.34	18.01	15.01	18.76
7.36	6.65	8.46	5.45	7.58
11.05	9.24	14.03	8.65	11.83
2.79	3.51	2.79	3.26	3.03
12.34	14.96	12.64	12.37	13.30
8.06	8.50	6.87	7.11	8.26
1.89	2.40	2.99	4.92	2.48
15.82	18.47	16.42	11.62	17.07
52.35	24.85	30.15	93.20	33.53
16.62	15.42	14.23	16.57	15.77

14.93	13.21	12.94	15.83	12.29
2.79	2.22	3.08	2.71	2.84
2.79	2.03	3.68	8.01	2.88
102.11	97.81	102.30	137.47	98.63
2.09	3.42	1.49	2.85	2.07
89.87	105.76	108.07	59.63	104.08
0.40	1.48	0.90	2.92	0.85
314.68	504.41	346.69	216.84	409.66
1.09	1.29	0.20	1.26	0.90
0.30	1.11	1.00	0.93	0.60
222.13	175.49	248.38	159.77	209.80
91.26	123.31	103.29	99.73	109.90
2.29	2.49	2.69	4.29	2.72
6.77	9.14	6.07	8.73	7.29
107.78	175.49	132.35	107.24	141.28
51.25	68.81	78.61	55.44	64.70
984.44	640.28	351.77	238.63	760.17
26.87	36.21	36.52	42.06	34.02
33.64	37.13	31.74	45.13	34.62
44.09	48.12	46.77	48.63	42.83
44.58	39.62	37.22	35.26	38.12
25.28	21.24	25.57	34.19	24.18
0.90	2.59	1.59	1.46	1.58
22.49	15.70	17.51	26.20	17.87
20.80	19.67	22.39	24.71	21.46
23.29	15.79	20.60	15.31	19.72
2.09	1.66	1.49	1.55	1.88
1.79	1.20	2.79	1.21	2.14
25.68	17.36	16.42	21.29	19.13
50.16	65.86	51.15	14.97	60.45
11.84	18.75	14.03	16.21	15.48
64.79	72.41	87.37	99.41	71.45
0.90	2.22	1.89	1.26	1.57
50.66	51.36	54.03	61.79	51.67
6.57	5.63	5.27	4.59	6.17
21.30	21.15	16.42	22.41	21.31
22.39	39.07	49.46	1.64	33.16
1.00	1.75	0.50	1.99	0.91
15.13	9.79	11.94	7.91	12.09
58.12	17.83	9.06	7.90	28.19
27.57	27.16	25.28	40.68	26.15
19.01	27.52	21.89	0.30	25.57
3.88	4.80	3.78	5.51	4.41
170.58	141.41	176.23	143.56	153.72
45.58	46.83	46.87	31.32	47.57
1.59	1.94	2.29	2.51	1.83
1.49	2.49	1.39	2.48	2.13

94.94	89.32	112.55	74.41	95.38
3.48	5.73	2.19	3.54	4.18
104.99	76.11	93.64	103.09	91.73
0.50	0.37	0.50	1.40	0.40
20.60	33.16	10.75	33.77	22.50
609.55	429.96	435.56	22.04	562.30
44.39	36.48	33.93	34.61	37.51
41.00	51.63	51.25	61.60	46.77
35.73	39.62	31.54	37.13	35.82
1.00	2.12	1.49	1.95	1.28
21.79	19.12	25.18	20.02	21.54
12.64	13.39	13.73	11.39	12.97
5.77	4.53	6.67	5.82	6.14
10.65	10.44	8.86	9.61	9.92
7.36	6.74	9.06	8.66	7.84
1.00	1.02	0.80	0.88	0.86
14.93	13.58	11.74	14.53	13.34
21.20	28.17	20.20	15.73	25.41
37.82	42.95	37.42	40.04	40.09
2.49	1.66	3.08	1.32	2.47
21.00	17.55	28.76	26.52	24.43
8.56	8.22	8.06	6.14	8.48
1.19	2.03	0.70	1.15	1.45
9.85	8.13	11.24	11.55	9.52
50.85	67.89	73.64	58.22	60.06
139.13	263.89	217.53	184.13	211.20
6.97	6.93	6.17	7.63	7.13
1.79	2.59	3.18	3.30	2.58
45.68	58.56	61.80	59.18	53.47
1.59	2.68	4.98	2.39	2.44
10.15	8.50	8.46	7.27	9.11
2.09	1.75	3.08	1.93	2.21
14.03	17.83	17.81	15.55	16.27
18.81	18.29	15.92	12.48	17.42
89.37	156.37	152.95	177.81	142.98
368.62	395.79	303.31	270.48	370.81
19.70	18.57	16.02	16.16	17.08
5.57	4.34	2.69	2.38	4.57
3.88	6.47	4.58	5.70	4.90
3.58	2.86	1.49	2.43	2.58
1.59	0.65	1.19	0.98	1.24
72.85	84.14	84.09	108.29	78.10
5.77	7.85	6.17	4.85	6.12
2.59	4.25	3.68	8.91	3.39
14.23	11.64	8.36	14.33	12.31
20.40	23.83	33.83	24.80	26.05
13.04	14.32	14.73	14.96	13.01

37.12	25.40	37.52	22.01	31.29
14.43	16.44	14.73	14.97	15.66
7.96	8.87	7.46	13.37	7.56
18.71	11.36	9.06	1.62	14.93
9.75	6.65	6.77	9.56	7.24
16.52	19.49	17.41	13.48	16.92
30.75	24.01	21.00	42.43	23.93
15.62	21.89	19.40	22.04	19.03
8.76	8.41	8.06	12.09	8.26
7.86	3.69	5.57	12.95	4.95
8.46	6.37	6.67	7.27	7.90
7.07	7.48	6.87	9.86	8.04
1.49	1.66	1.69	0.55	2.06
287.21	215.77	238.82	81.77	249.47
11.64	14.13	14.73	17.62	13.54
17.32	19.86	20.30	25.13	21.28
15.43	14.69	16.12	15.52	15.13
2.19	3.23	2.49	3.24	2.99
7.17	10.90	10.65	21.29	10.40
7.56	8.22	7.76	8.24	8.06
0.10	0.09	0.20	2.15	0.10
3.98	4.90	2.99	6.44	3.34
65.18	58.74	43.39	37.88	52.62
4.08	3.97	5.67	9.32	4.69
3.28	3.79	2.59	5.04	3.14
264.82	112.87	133.64	491.51	151.60
1.59	4.53	2.39	2.76	2.60
5.37	4.34	4.48	8.66	4.50
2.99	1.29	1.89	3.17	2.05
226.21	116.38	132.85	464.75	148.72
11.54	9.61	8.86	19.19	10.37
4.58	7.94	4.68	16.38	7.55
99.02	39.81	47.57	168.30	59.32
5.08	2.96	3.08	6.07	3.66
16.52	24.11	24.48	20.16	21.74
22.39	17.46	17.91	18.19	18.86
3.78	3.60	2.19	3.64	3.12
16.62	15.06	16.72	23.95	14.43
11.15	11.45	11.84	12.07	11.55
38.41	31.50	39.01	48.81	36.54
13.44	17.18	13.73	14.19	14.84
26.87	36.67	34.33	32.19	32.58
26.77	31.40	38.91	40.26	30.62
42.49	31.50	32.64	26.46	37.42
6.57	13.30	12.34	5.24	11.71
1.19	1.48	0.80	1.62	1.06
5.27	6.37	9.75	10.86	6.20

41.50	34.08	34.33	47.48	37.36
28.46	26.32	28.16	62.80	26.48
7.07	6.28	6.27	5.39	6.36
17.12	20.04	21.49	16.23	19.52
42.49	47.11	51.94	49.40	46.50
17.71	18.38	17.31	22.42	17.61
96.23	94.58	104.39	121.29	97.10
15.43	14.69	14.93	20.05	15.24
14.13	12.93	14.13	11.49	13.42
1.99	4.90	4.18	1.68	3.56
10.05	13.95	15.62	4.54	13.22
278.85	152.77	206.19	187.75	202.45
125.29	114.07	135.93	232.34	117.91
25.08	19.30	18.81	16.43	20.63
69.46	59.11	59.41	78.38	68.49
22.49	20.32	21.39	24.81	22.21
78.02	70.20	83.99	104.42	76.11
42.79	46.92	40.50	36.86	43.63
32.84	32.05	37.02	30.35	33.75
4.48	4.06	4.78	3.65	4.72
8.86	6.00	8.96	4.54	7.85
81.11	63.18	66.07	118.23	70.27
22.59	21.71	22.69	30.85	21.20
248.80	265.00	246.59	328.55	237.76
43.29	40.92	36.52	33.61	41.70
4.28	3.23	2.69	4.61	3.50
12.24	17.09	13.23	16.29	14.62
75.93	68.17	70.85	43.42	73.09
8.86	9.24	13.53	7.19	9.67
8.56	17.09	13.43	12.43	13.84
41.90	41.29	39.11	28.51	41.72
57.92	37.78	49.26	89.97	44.86
21.00	24.57	23.48	29.43	23.39
20.90	20.14	23.19	11.95	21.58
8.96	12.01	9.75	10.07	10.46
3.68	2.49	3.08	2.02	2.98
8.76	9.51	7.96	10.82	8.29
36.92	30.48	36.82	43.41	33.88
12.44	14.04	10.55	11.99	11.91
121.91	137.62	132.75	145.01	129.23
73.74	77.77	103.69	81.59	82.02
27.67	32.24	25.18	27.75	29.60
247.80	210.59	242.90	181.55	226.75
43.09	52.09	63.19	65.84	50.39
159.53	146.58	130.56	126.78	150.87
59.31	58.10	63.49	62.97	60.53
30.45	27.34	30.25	24.75	29.37

56.63	59.67	63.09	79.20	57.41
358.77	269.98	310.27	285.80	328.73
31.85	35.19	32.04	30.72	34.15
11.74	10.07	9.55	11.60	9.23
39.31	36.21	38.41	34.47	37.57
27.07	18.10	19.60	20.13	22.85
12.84	11.27	8.76	6.60	11.15
35.33	16.44	12.64	22.71	23.90
49.86	41.66	40.90	29.73	46.46
0.90	2.40	1.00	1.15	1.36
59.91	53.02	51.35	66.68	53.00
74.04	66.87	71.85	75.47	70.33
284.42	206.34	253.35	378.08	239.44
713.95	588.92	692.19	415.89	659.35
4.58	4.99	4.08	4.83	4.71
45.88	72.04	69.96	52.44	65.34
37.52	10.07	14.73	54.20	18.99
4.98	6.28	6.07	3.72	6.38
105.79	85.81	80.90	66.88	92.43
50.46	44.52	43.88	37.35	48.16
7.66	7.39	6.87	9.12	8.26
47.97	57.17	50.15	58.39	51.45
33.64	32.60	25.67	7.66	32.70
44.68	47.94	51.35	67.31	46.79
11.74	8.31	6.97	8.89	9.79
50.26	32.14	33.73	30.95	38.63
32.14	27.34	25.77	27.40	28.01
19.61	16.81	15.23	18.07	17.23
14.63	13.76	14.43	19.68	14.43
18.11	17.18	17.12	31.20	18.28
19.41	21.52	19.11	20.01	21.64
30.55	29.00	33.63	22.90	31.09
3.18	3.05	2.39	3.99	2.88
4.88	4.34	2.39	0.84	4.39
24.78	23.46	27.66	30.49	26.33
39.21	36.30	36.52	54.58	39.21
51.95	46.55	49.06	50.48	49.58
134.45	217.34	198.92	174.43	198.47
331.90	413.70	533.57	365.15	439.78
70.66	85.25	67.17	56.20	77.11
26.97	17.00	20.60	60.25	20.37
3.58	2.40	3.08	3.12	3.09
39.71	36.76	41.10	36.41	38.17
11.94	14.04	14.63	14.66	13.37
26.57	30.02	26.57	27.05	28.84
101.21	96.24	87.57	87.88	93.16
12.44	9.05	11.34	11.12	10.39

41.90	42.49	46.67	45.26	43.09
141.81	181.87	131.15	171.03	154.84
1.89	1.75	3.78	3.73	2.46
77.82	90.15	82.69	65.15	80.50
76.13	84.51	77.02	70.48	77.50
37.32	36.11	29.65	55.45	34.33
9.26	8.77	6.87	7.68	9.25
86.98	121.18	88.76	84.39	104.25
1.49	1.20	1.39	1.71	1.21
8.16	5.91	6.77	7.43	6.72
12.24	10.53	9.65	8.52	11.04
21.00	19.49	17.41	18.70	20.50
32.74	32.42	26.27	44.09	30.12
22.39	30.02	32.24	29.36	29.72
9.45	10.16	9.45	8.54	10.08
148.18	163.67	154.54	134.64	153.44
28.66	28.36	30.05	29.23	29.15
37.62	43.32	34.53	41.97	37.26
8.46	10.62	10.05	10.31	8.96
48.07	57.91	51.84	45.75	52.27
45.38	57.64	52.54	46.45	52.05
61.40	66.13	57.02	80.48	60.98
190.88	227.31	215.04	208.95	210.96
163.71	194.98	168.87	124.87	178.39
36.13	27.43	28.46	42.13	28.65
34.83	25.22	29.65	20.26	31.07
16.52	13.95	13.23	8.58	14.97
114.75	109.64	122.20	107.79	111.71
23.59	20.04	19.90	11.72	22.10
1.00	0.83	0.90	0.34	1.06
4.88	7.30	6.07	4.81	6.01
4.48	5.17	5.08	5.23	5.51
14.63	15.79	12.24	9.98	14.77
84.59	74.17	74.83	95.12	74.78
27.47	22.08	23.29	19.98	25.34
30.15	30.85	29.55	29.72	32.02
11.05	7.02	7.76	7.36	9.49
11.64	16.44	13.83	25.25	14.52
10.75	12.19	13.04	7.40	12.43
19.11	22.54	23.38	23.92	21.81
22.09	18.20	20.40	28.37	19.18
12.94	8.04	12.84	10.43	11.29
23.29	26.23	28.86	19.41	25.12
3.78	0.65	0.80	22.96	1.34
27.47	24.57	10.45	7.47	22.82
15.43	14.69	14.83	11.14	14.52
41.60	35.75	42.69	35.90	41.53

41.90	42.77	49.66	45.04	46.49
32.44	33.62	26.87	41.53	29.29
32.64	29.56	29.65	35.89	30.76
2.29	2.12	2.39	0.96	2.05
26.37	30.02	24.78	25.96	25.75
7.17	6.28	6.27	7.09	6.25
196.35	156.93	273.85	497.15	186.08
134.45	143.07	150.96	123.79	147.87
45.68	31.96	39.41	147.30	35.64
459.18	460.99	554.77	550.74	462.43
9.35	10.44	9.25	8.74	9.63
35.83	14.78	23.68	76.99	20.75
37.52	34.64	27.56	29.55	34.40
117.33	108.25	119.71	77.49	113.85
31.25	31.68	29.55	33.13	30.07
17.91	24.29	16.92	19.78	19.14
6.87	6.28	13.04	5.24	12.92
4.88	3.79	0.60	5.39	2.44
76.73	94.03	80.11	43.77	88.44
29.76	33.44	30.75	36.41	30.84
16.92	19.86	23.58	20.39	19.64
4.28	5.54	4.18	4.11	4.67
21.89	21.06	17.61	30.71	18.93
7.96	8.04	9.45	7.82	8.16
15.23	11.92	14.43	23.90	12.73
25.78	20.97	23.68	25.20	23.60
7.66	13.12	8.06	8.87	9.36
1.69	2.12	3.48	2.91	2.42
40.21	42.58	43.09	37.81	42.20
31.65	29.56	33.93	38.52	32.34
7.26	9.70	5.08	4.11	6.84
42.99	28.63	19.50	49.71	29.44
1.59	3.69	4.28	3.45	3.05
15.72	13.85	14.43	10.57	16.37
39.41	28.73	37.42	43.24	36.08
24.08	29.28	26.17	32.95	27.40
32.74	38.98	39.70	24.50	36.54
114.94	121.37	120.71	119.19	114.03
88.47	144.46	136.93	109.12	127.25
4.48	4.80	3.88	4.24	4.43
7.76	11.64	9.85	9.68	9.18
2.09	3.14	3.18	1.54	3.59
4.88	5.26	4.88	2.25	4.39
7.36	7.48	7.16	8.57	7.49
18.21	19.30	19.11	18.66	18.42
17.32	12.65	15.52	14.50	15.95
18.01	18.47	16.72	18.43	18.04

15.62	12.65	14.63	16.70	13.50
12.44	9.33	11.34	14.54	11.28
53.04	42.03	42.09	41.73	46.19
10.15	9.88	8.26	11.19	10.04
24.88	22.72	26.97	27.14	25.24
124.90	106.31	123.69	102.35	120.17
17.22	15.52	17.02	14.64	16.23
14.23	16.07	16.72	14.03	16.68
12.24	12.28	14.43	11.04	13.40
17.12	13.95	12.64	15.22	14.78
25.38	25.03	26.37	25.65	24.59
21.00	18.01	17.71	16.02	18.82
7.17	8.50	7.26	7.22	7.40
10.65	11.55	11.74	14.94	11.14
5.27	7.67	6.47	14.41	6.02
6.57	8.77	6.07	5.49	7.53
21.10	16.90	20.50	24.82	19.04
19.70	19.86	16.52	10.59	18.98
48.47	40.92	48.46	37.19	46.71
21.79	23.92	22.39	18.11	23.85
114.55	127.74	100.01	140.82	116.00
62.20	59.02	57.32	80.70	59.19
32.34	31.03	31.15	30.34	30.73
61.20	66.87	78.81	78.67	66.59
14.83	16.16	16.32	13.98	16.12
5.57	4.16	5.27	10.48	4.92
30.45	30.48	30.85	40.32	31.18
30.75	36.11	30.55	26.90	33.22
49.46	55.51	63.19	51.52	57.45
1.19	1.75	1.79	0.84	1.34
55.93	66.23	67.37	57.14	62.82
6.27	4.99	6.17	11.82	5.65
18.91	30.02	26.97	18.52	23.74
10.35	11.92	13.53	12.34	12.33
141.32	151.02	133.05	153.28	136.96
78.12	67.89	77.22	84.94	75.28
38.61	41.56	40.50	41.55	38.82
5.08	10.71	8.16	6.97	8.35
28.96	35.47	39.70	45.26	33.01
15.92	20.14	17.31	15.03	18.80
25.28	24.29	26.67	26.91	25.50
28.86	25.22	25.67	50.14	30.86
33.54	32.14	29.16	32.47	33.12
53.54	57.17	59.81	75.62	54.25
163.51	180.94	198.82	192.85	188.76
2.19	3.23	3.68	5.08	2.94
23.19	24.48	27.76	28.57	25.80

45.48	44.89	39.80	42.98	42.01
14.13	13.95	13.23	16.15	14.50
27.87	26.88	24.38	27.81	27.07
44.39	39.35	38.61	28.99	43.47
54.34	72.23	66.47	69.43	62.28
15.13	13.58	15.32	16.57	14.48
6.27	5.36	5.57	6.63	6.35
42.40	37.69	32.44	49.07	38.23
107.68	129.31	119.91	136.10	119.56
67.97	83.87	84.58	82.28	75.14
15.92	13.95	13.93	24.33	15.72
46.87	43.69	46.07	44.85	48.62
32.14	39.99	29.55	40.55	42.00
37.42	42.77	31.64	34.16	35.91
15.13	17.18	22.39	20.27	17.05
131.66	143.91	139.51	124.99	142.82
62.40	68.26	68.16	66.84	64.64
318.46	289.38	302.21	284.50	309.87
0.10	57.45	55.03	47.37	44.28
34.13	39.16	38.51	35.57	38.91
12.54	10.71	12.14	23.90	11.44
21.10	21.43	23.09	22.69	22.02
111.16	99.48	115.43	32.61	114.10
16.02	16.07	17.61	13.43	16.97
16.62	18.66	18.51	11.67	18.02
23.49	26.79	27.46	20.40	27.61
8.26	7.11	8.26	11.44	7.90
13.14	11.45	14.83	10.63	13.29
16.52	16.07	18.91	11.55	17.77
93.15	96.98	83.39	74.04	94.14
176.25	171.43	170.46	174.61	166.94
8.36	9.42	9.65	7.53	8.94
23.88	35.10	40.60	40.78	31.84
125.10	95.14	127.77	179.25	110.23
12.54	10.25	9.15	9.05	11.49
21.70	23.18	24.58	18.25	23.20
2.39	2.68	1.59	2.20	2.36
11.74	13.12	9.95	14.92	11.35
38.41	29.93	28.56	34.81	34.77
4.18	5.63	4.38	5.11	4.62
3.68	3.69	3.28	1.53	3.52
9.45	7.94	7.66	6.50	8.60
3.78	3.51	3.38	3.16	3.65
18.21	15.98	17.22	18.39	18.25
4.98	4.06	3.68	10.00	4.38
61.70	61.33	51.25	68.90	59.95
45.38	41.93	42.99	53.83	41.38

50.16	60.50	65.48	60.11	61.62
15.23	13.67	16.62	16.61	14.63
13.93	17.00	11.44	21.98	14.98
4.38	4.99	7.76	2.76	5.39
72.45	84.33	59.41	46.12	75.32
73.74	96.98	66.57	49.20	82.59
140.52	119.80	144.79	100.58	125.27
27.96	29.46	25.47	24.75	27.26
13.83	12.19	12.44	14.60	12.27
1345.79	817.16	703.84	13.57	1016.39
352.60	911.18	572.28	1194.91	551.03
84.29	91.72	57.02	68.78	77.32
231.68	215.58	194.14	246.28	223.49
37.72	36.30	33.44	31.47	36.90
5.08	3.79	5.77	4.61	5.05
80.31	70.57	82.69	115.39	73.20
51.65	32.14	45.18	58.82	42.12
118.73	92.64	78.21	32.36	105.26
4.48	11.18	6.17	1.34	7.67
318.46	392.74	339.33	231.89	327.63
22.99	23.00	20.60	24.40	22.87
3.38	4.90	3.68	1.08	3.53
85.59	98.55	83.19	71.01	91.64
33.44	29.74	34.93	35.91	33.27
111.46	127.28	153.44	77.74	114.84
6.67	5.82	7.46	4.77	6.88
11.64	11.08	11.74	55.59	12.03
1119.49	837.01	871.71	1308.73	934.81
44.88	65.21	55.63	67.49	57.56
24.08	25.31	24.18	21.74	25.69
19.80	23.83	21.89	36.54	25.91
99.42	72.04	156.43	155.23	96.78
51.15	42.30	52.14	64.12	46.94
45.38	46.55	31.05	0.91	44.10
22.29	24.11	26.37	20.63	23.72
18.01	14.87	21.20	31.82	15.67
53.04	62.35	47.07	24.29	56.49
0.70	1.29	3.38	1.98	1.94
246.51	115.83	88.86	0.41	194.78
4.78	2.59	3.48	0.00	4.07
10.95	8.50	9.75	12.94	10.11
47.77	44.06	45.38	45.90	44.56
31.05	32.51	26.07	25.86	30.36
1.89	1.29	1.69	1.27	1.72
94.05	97.35	94.04	90.34	96.11
31.95	38.98	28.06	16.84	34.12
77.33	74.63	86.47	77.91	83.76

25.28	27.99	31.05	26.00	27.93
18.51	13.30	14.43	12.20	14.24
45.18	41.01	48.56	41.11	43.25
197.64	418.88	365.50	305.02	349.11
31.45	35.10	34.43	30.53	34.71
42.59	35.65	39.21	37.76	39.37
30.45	22.17	27.76	26.60	26.88
24.28	27.34	23.29	24.24	24.22
11.84	13.85	14.03	13.86	12.65
47.67	47.29	44.68	52.21	45.58
69.96	75.65	66.37	59.52	70.17
47.77	40.18	28.36	15.44	47.26
59.81	75.37	78.12	24.90	78.45
3.18	3.69	2.79	3.06	3.24
3.28	2.12	2.19	1.30	2.69
42.20	34.18	35.62	26.99	39.14
38.51	37.13	34.13	25.05	36.63
4.48	7.02	7.46	7.06	5.59
44.58	40.46	45.87	50.85	44.35
47.27	44.43	41.79	36.31	45.94
13.34	15.42	12.04	12.76	13.99
18.71	20.69	20.00	17.20	19.62
36.03	46.92	45.28	43.98	41.24
22.39	19.30	19.30	13.04	20.68
54.24	43.41	49.16	51.92	48.98
19.41	14.69	14.83	15.81	16.81
46.18	68.90	66.47	57.54	65.24
4.78	5.08	7.16	3.34	5.74
12.64	7.94	10.85	22.34	9.03
21.10	20.87	20.80	20.13	21.00
2.59	7.02	7.26	5.75	5.92
10.65	10.25	9.75	11.76	10.98
2.99	3.79	5.27	2.84	4.08
3.18	3.79	3.18	1.45	3.17
0.70	1.48	1.09	4.54	0.91
4.38	4.43	5.47	12.83	4.14
32.94	25.31	26.77	22.88	28.64
2.19	1.02	1.19	2.25	1.35
25.58	25.77	30.65	26.93	27.29
112.16	119.52	142.00	69.00	118.07
1.19	1.66	0.90	0.39	1.47
54.14	78.23	42.29	7.80	64.12
0.30	0.65	1.09	1.00	0.86
2.39	1.94	2.59	1.73	3.15
19.41	27.34	23.68	22.02	24.74
17.02	10.71	14.63	13.59	14.16
1.39	1.94	1.29	18.96	1.88

14.33	59.39	20.30	25.83	26.31
176.55	209.95	239.82	249.71	196.26
79.12	71.86	70.95	81.58	73.16
53.74	49.42	39.31	27.00	52.69
12.74	15.06	15.03	8.49	14.62
145.20	158.04	130.56	110.60	149.93
4.98	6.37	3.98	5.57	4.84
18.91	16.44	19.90	14.58	19.02
16.22	16.07	17.22	14.84	15.79
23.39	20.41	26.57	41.41	22.14
55.63	46.55	40.60	50.76	46.90
24.48	22.08	19.21	12.77	22.60
48.07	47.94	43.59	49.01	46.14
32.84	29.10	25.47	19.40	29.37
22.19	16.72	23.48	22.76	20.43
19.61	15.79	17.02	13.89	17.37
23.69	22.91	23.48	19.54	24.43
4.38	2.68	2.29	4.88	3.19
22.19	20.69	15.42	18.94	21.24
4.78	5.54	5.17	4.09	5.64
100.12	111.76	99.41	79.44	108.32
0.40	1.20	0.80	4.49	0.79
23.49	16.16	20.20	43.90	19.89
1.29	2.03	2.49	1.79	1.99
192.77	176.33	184.39	111.30	187.74
61.10	67.98	69.26	60.19	63.57
14.93	15.06	17.02	12.58	15.51
43.79	52.74	56.02	37.00	48.74
3.48	4.53	6.67	10.13	4.74
7.76	7.85	9.45	8.24	8.38
58.52	78.42	69.76	52.14	66.35
14.53	15.33	10.85	12.67	13.62
11.15	14.69	12.64	9.37	12.77
3.28	2.22	2.09	2.21	2.78
69.56	82.30	83.69	60.01	77.54
3.88	4.90	5.08	6.90	4.44
21.00	21.71	24.58	20.41	22.22
4.48	7.02	4.48	6.09	4.44
55.23	68.07	71.05	67.87	66.14
22.49	19.21	21.59	24.87	20.43
40.80	35.93	39.80	43.34	39.17
41.20	50.43	50.85	43.67	48.47
19.51	19.67	18.21	16.31	20.09
5.87	8.04	7.76	3.98	7.82
22.69	26.79	24.28	29.97	25.07
26.07	29.37	29.16	30.04	28.16
16.52	17.64	12.74	18.18	15.92

10.45	9.70	9.95	4.72	10.33
43.69	46.27	49.56	42.53	47.35
13.53	13.67	15.03	12.13	14.41
18.21	15.52	17.91	22.86	16.89
34.83	30.20	28.76	28.49	31.02
17.91	15.98	17.81	18.39	17.25
6.67	5.54	8.26	6.45	7.01
2.39	2.86	2.29	2.38	2.36
32.94	33.62	32.54	31.56	32.76
14.83	16.81	15.82	15.76	15.46
56.13	68.72	75.73	95.23	63.75
20.60	17.36	18.41	15.84	18.01
23.69	19.21	18.11	23.83	20.18
17.42	8.77	9.95	22.29	11.28
0.80	0.28	0.30	1.76	0.50
15.43	15.15	14.63	16.33	14.77
13.73	19.49	18.31	17.56	16.58
2.09	3.05	1.99	2.24	2.38
9.16	10.81	15.92	6.71	12.25
30.75	52.83	33.04	28.31	38.94
44.29	36.67	44.38	51.22	37.81
25.97	26.42	27.56	20.89	27.53
1.39	1.85	2.59	2.32	1.96
31.55	36.11	36.42	21.02	34.07
84.69	74.35	79.71	87.54	78.22
16.22	32.51	28.26	26.35	25.06
21.40	19.21	20.30	21.80	20.75
5.37	5.45	7.66	7.02	6.01
6.97	8.13	6.97	10.46	6.27
17.81	21.43	23.78	18.33	21.82
13.53	11.08	10.35	15.35	11.52
0.60	1.02	2.09	0.41	1.34
4.18	6.10	6.67	3.99	5.28
15.62	17.64	13.14	13.00	15.58
10.65	9.14	7.86	11.18	8.93
42.69	26.05	28.76	43.35	31.22
5.27	4.99	3.78	8.20	4.11
3.88	1.48	1.89	2.78	2.54
11.35	11.55	9.75	15.09	10.94
43.09	34.36	26.87	9.31	40.10
86.78	53.57	58.41	141.88	61.47
82.90	92.46	95.13	68.75	86.06
21.00	31.40	5.67	28.11	15.02
5.67	9.14	5.08	8.49	6.77
19.21	19.03	19.60	12.10	20.02
24.48	25.49	32.74	55.26	26.58
41.40	37.78	38.51	27.59	41.76

29.36	28.82	40.80	36.61	29.98
2.99	1.39	0.80	1.17	1.54
184.31	122.29	147.18	119.05	146.84
35.13	44.24	39.70	36.21	40.25
100.22	124.69	86.47	96.57	107.90
278.35	292.80	328.28	233.90	290.99
3.18	4.06	3.68	8.84	3.62
5.67	5.45	7.86	7.41	6.36
15.03	15.79	13.04	25.77	14.09
7.76	5.82	11.94	5.54	7.11
1.89	2.22	3.08	12.25	2.59
5.08	12.93	5.37	0.74	7.27
2.29	4.34	1.19	0.90	2.87
4.08	2.68	3.48	0.00	3.54
0.60	0.74	0.50	1.42	0.81
16.72	15.61	18.91	18.07	17.23
5.37	5.45	5.67	2.70	5.32
20.90	17.09	23.68	16.96	20.09
28.86	35.93	39.41	41.07	34.29
48.76	48.03	49.95	47.43	49.28
442.36	546.06	560.64	455.82	476.82
35.73	33.34	30.45	24.66	34.51
0.80	1.66	0.60	4.16	1.02
78.12	51.45	34.43	71.89	56.22
55.53	67.33	50.55	20.14	58.92
19.51	24.38	24.28	34.35	21.81
2.09	3.05	0.70	1.40	3.45
97.53	79.16	73.04	55.10	90.27
11.74	8.13	12.24	10.85	9.73
5.47	3.79	5.37	4.58	4.83
26.07	34.45	28.46	27.64	29.00
4669.32	4945.33	8522.45	11390.49	5218.65
164.50	185.56	144.09	110.03	171.27
21.99	17.36	19.01	15.23	19.26
2.99	6.93	3.78	0.24	5.16
495.01	317.46	213.25	116.37	421.33
248.10	320.88	159.91	2.97	275.35
4.28	5.26	2.39	2.96	5.07
36.32	84.88	89.16	69.05	69.70
9.45	3.51	7.46	22.87	5.71
3.78	3.42	3.68	5.07	3.92
4.88	3.79	3.18	4.43	4.10
63.49	72.14	69.16	41.06	65.02
24.28	30.48	28.06	32.46	27.34
5.08	5.91	1.69	0.00	6.42
9.55	9.05	9.25	9.28	8.67
193.76	321.71	289.67	388.01	256.65

21.40	23.28	28.76	31.45	23.63
41.90	53.20	53.74	43.40	50.34
63.69	64.10	59.91	55.85	62.23
64.39	88.95	78.51	87.73	78.58
135.64	172.45	162.90	184.08	150.39
10.55	7.94	9.45	6.32	8.94
38.31	27.25	30.25	36.70	31.25
1.49	2.68	1.99	5.12	2.14
4.78	5.45	7.36	6.17	5.44
11.05	8.87	8.66	12.76	9.19
29.76	23.37	26.47	23.99	27.00
31.15	30.39	28.66	25.95	28.99
13.83	11.45	14.23	11.38	13.79
33.94	34.73	40.60	44.58	36.41
60.41	61.88	63.89	62.92	62.96
0.40	1.11	1.00	1.95	0.78
10.85	13.12	14.13	16.96	12.93
2.99	2.59	2.19	2.77	2.82
1495.37	1300.13	1727.89	3418.04	1399.58
10.55	11.36	11.05	11.12	10.10
6.07	5.26	8.26	7.11	6.76
9.75	10.16	8.26	11.79	10.33
65.38	106.77	85.48	65.63	80.38
20.50	17.09	19.50	14.09	20.30
5.17	6.10	6.97	6.37	5.92
13.24	15.42	17.22	18.15	14.31
296.57	228.97	224.10	247.16	257.52
5.47	0.92	1.49	9.96	2.29
183.11	149.82	143.99	53.71	170.15
37.82	55.05	48.36	61.90	45.31
8.26	9.88	8.76	10.62	9.16
30.45	27.34	24.68	18.66	29.43
37.62	33.44	39.11	53.69	35.27
18.11	11.45	17.51	36.27	14.61
4.38	3.14	3.78	3.40	4.02
18.71	17.09	19.11	24.43	17.99
99.42	78.97	92.05	88.99	89.55
48.27	45.07	45.18	48.48	45.99
76.43	68.81	84.48	107.66	74.51
59.11	63.36	53.54	60.27	56.28
28.86	22.44	28.96	42.60	27.39
77.43	70.29	72.24	77.47	73.93
96.93	101.14	98.52	111.90	98.30
3.78	4.25	3.18	3.32	4.10
1.89	1.11	0.50	3.23	1.19
15.33	14.13	13.23	15.61	14.30
28.36	23.09	19.50	9.27	25.66

2.29	2.12	2.29	1.52	2.43
12.64	7.85	6.97	6.68	9.45
10.05	6.84	10.65	14.70	9.47
86.78	101.79	89.56	80.26	89.77
21.79	24.29	18.41	19.91	22.25
31.55	24.29	23.98	22.96	26.58
31.25	25.68	26.27	26.39	27.18
94.74	90.52	90.85	84.89	91.95
162.02	123.68	128.47	167.70	139.27
289.80	280.98	266.19	299.44	274.93
45.78	63.18	60.10	96.94	54.64
83.99	66.04	65.98	108.04	74.05
183.02	144.74	179.91	274.68	162.18
4.48	4.25	2.89	3.72	3.47
52.84	53.02	49.16	55.90	51.38
5.17	4.80	3.58	4.47	4.59
18.91	10.25	12.14	8.51	12.88
18.31	29.56	32.14	22.49	25.94
1.49	1.66	1.99	1.90	1.73
18.11	24.75	20.70	20.32	20.78
7.46	6.37	9.55	6.22	7.87
19.51	20.41	21.39	26.87	20.54
26.07	31.59	28.86	36.80	29.30
26.97	23.00	31.45	50.34	24.99
66.48	63.64	73.14	50.33	64.20
27.17	31.22	24.28	28.87	28.15
43.49	60.59	57.82	57.86	51.71
15.13	26.88	21.59	21.83	21.49
16.32	16.44	18.21	22.58	15.74
3.58	4.99	1.39	4.89	3.37
16.02	15.98	15.62	12.55	16.70
13.04	17.55	14.13	27.34	16.83
10.85	7.11	7.26	24.31	8.29
21.50	20.87	30.85	41.82	27.59
14.63	33.44	24.98	21.88	25.52
13.14	10.53	14.43	10.48	12.05
13.73	12.19	12.74	13.90	12.92
4.88	6.84	4.88	5.91	5.38
16.32	20.41	21.10	17.35	18.81
4.68	4.90	5.08	8.17	4.61
32.54	34.82	37.32	32.38	33.87
19.70	19.67	16.32	18.96	18.50
1.99	1.57	1.79	2.07	2.13
49.66	51.26	44.68	43.81	46.79
15.92	16.90	17.81	20.34	17.21
109.97	124.88	131.85	146.45	116.01
28.66	29.37	29.65	26.63	27.32

52.45	63.64	61.80	64.51	57.89
12.24	19.58	21.69	11.30	24.05
11.15	9.51	9.55	8.65	9.79
80.01	79.34	81.00	68.44	84.08
4.58	6.65	7.46	4.49	5.84
12.24	9.79	8.76	13.82	10.73
71.55	100.03	108.47	103.10	86.14
6.87	9.33	7.07	4.82	7.33
5.27	4.71	3.88	4.64	4.95
28.76	32.42	37.52	64.69	31.93
7.26	11.45	9.95	12.41	9.00
25.87	28.73	23.98	20.83	28.01
42.99	52.93	33.24	15.30	45.39
21.00	12.19	11.54	5.55	18.92
3.98	3.33	5.87	5.05	3.96
9.45	8.50	9.85	8.98	8.84
6.27	6.47	6.47	6.29	6.41
3.88	3.69	3.98	5.63	3.74
13.34	22.91	19.60	15.01	18.13
224.32	231.74	207.48	201.20	214.97
90.26	94.03	60.80	4.38	98.49
26.77	37.96	21.59	18.53	34.90
66.28	72.41	68.96	66.31	68.83
47.07	38.42	45.77	47.42	45.60
12.04	8.31	12.04	10.47	10.97
29.06	24.94	22.39	26.44	27.02
7.86	7.20	8.16	6.29	7.95
40.40	37.96	38.11	41.19	39.63
25.78	22.91	23.09	26.19	25.58
121.01	120.54	127.27	132.53	118.15
38.02	53.11	53.14	32.70	48.54
7.07	5.08	6.47	7.36	6.52
38.81	41.75	35.23	13.90	38.48
8.26	7.76	7.46	8.37	7.35
26.17	24.38	26.97	21.69	25.09
3.18	4.25	4.78	4.18	3.75
3.58	3.05	2.69	3.69	3.06
36.03	42.12	38.11	34.71	38.16
51.95	47.29	45.68	22.64	47.59
39.11	39.99	37.12	43.83	38.56
1.19	0.37	0.90	0.91	1.18
13.14	14.04	13.73	13.18	12.82
36.82	64.38	38.11	44.47	44.49
50.06	36.21	44.08	53.94	41.65
3.48	5.17	3.28	4.71	4.25
43.09	44.89	42.69	34.56	42.61
9.16	10.90	9.85	9.84	10.03

46.38	50.80	47.96	51.31	47.08
9.55	14.78	12.94	11.43	12.41
7.07	5.82	5.97	7.89	6.32
3.78	10.71	8.56	11.36	6.71
0.90	1.48	1.29	1.93	1.01
0.60	1.48	0.80	0.55	1.19
3.48	7.20	7.16	6.62	5.69
6.37	5.08	4.98	4.12	5.53
9.16	9.42	7.76	13.07	9.20
4.28	4.16	4.18	5.75	3.82
15.52	14.96	15.13	15.42	14.91
13.34	14.41	14.73	12.02	15.04
29.96	27.43	20.10	15.56	27.52
14.23	14.13	13.04	1.58	14.20
35.03	38.33	31.05	25.63	34.91
6.07	5.17	6.27	7.53	5.86
3.98	2.77	3.48	2.80	3.57
5.08	5.45	4.98	5.25	5.14
28.26	41.29	38.91	32.98	35.26
44.29	29.93	34.13	32.26	36.52
34.73	29.74	36.02	27.16	34.75
22.39	20.51	26.07	29.39	22.77
57.82	46.09	53.04	39.36	51.20
41.90	54.68	53.64	59.12	52.33
54.04	48.95	42.99	35.75	49.19
1.09	1.39	1.39	0.13	1.41
18.51	15.15	13.14	14.48	16.94
35.23	35.19	49.95	43.06	38.68
3.28	4.62	4.28	5.54	3.74
7.36	7.48	7.76	7.42	7.01
80.51	71.95	69.66	51.87	76.59
7.17	8.22	7.56	7.52	9.11
59.31	56.25	57.02	63.99	56.15
7.76	6.56	5.47	4.43	6.27
6.57	8.22	10.65	9.21	8.54
101.11	128.30	123.59	102.16	114.64
3.48	2.96	4.48	2.91	3.99
55.03	53.57	45.38	42.29	52.89
0.20	1.20	1.00	1.84	0.82
4.08	4.16	3.78	5.69	3.98
9.35	13.67	12.14	12.51	12.17
7.07	10.07	10.05	6.84	9.32
5.37	4.90	5.17	4.67	5.09
20.40	20.78	18.81	22.67	21.60
37.32	34.36	19.50	8.52	32.83
320.55	231.01	155.63	55.72	265.75
256.36	385.81	205.29	58.65	358.34

5.47	5.08	6.27	7.40	5.09
5.47	7.02	6.97	9.27	6.06
0.90	1.39	1.00	1.21	1.13
12.34	17.83	22.09	19.78	17.29
43.89	37.41	31.45	37.48	39.08
10.85	6.93	6.77	10.16	8.35
10.35	14.04	10.25	12.04	11.12
22.59	22.81	16.92	20.19	20.63
154.15	203.67	155.43	174.44	179.48
29.76	31.96	32.84	50.46	33.17
1.39	1.75	1.69	1.96	1.49
26.07	12.38	19.11	16.59	18.49
91.16	83.96	82.20	95.88	81.56
54.34	34.18	35.62	40.44	42.15
0.10	22.26	25.77	21.16	17.56
26.87	25.40	18.81	15.91	27.24
71.85	74.63	62.19	47.94	68.87
2.09	2.96	2.09	2.68	2.38
22.19	31.50	19.30	48.59	23.27
46.87	58.74	52.34	44.08	51.67
30.95	33.07	32.44	32.85	34.85
46.57	56.71	54.63	47.04	53.53
12.24	14.78	16.22	12.21	14.41
29.36	26.51	28.46	42.56	26.35
114.94	152.31	100.31	65.70	123.08
32.34	63.64	32.64	27.31	50.59
48.76	44.52	46.17	47.59	45.50
51.35	42.95	47.17	52.97	44.33
5.37	7.20	6.87	8.83	6.76
4.98	4.71	3.78	6.48	4.35
49.16	60.31	55.23	38.64	57.59
1.99	4.53	3.08	2.70	3.19
21.10	27.06	23.88	25.35	23.66
28.36	23.83	25.67	23.72	25.69
6.37	6.37	5.77	2.29	6.24
2.79	4.06	3.78	3.17	3.45
123.40	127.46	121.20	150.72	121.96
29.86	29.56	15.23	6.19	28.67
20.70	21.34	27.76	24.30	22.34
31.25	32.88	32.04	41.97	31.11
24.18	24.75	24.18	22.73	23.90
41.30	59.95	57.72	48.73	50.63
42.30	46.74	37.91	45.39	41.68
44.98	46.09	33.04	34.74	43.43
32.74	40.92	39.90	31.77	38.93
5.37	9.98	8.86	6.69	8.61
126.99	113.98	121.30	138.37	118.09

7.96	6.47	9.75	13.55	7.72
140.62	130.05	119.01	125.23	137.01
10.75	12.75	15.82	12.49	12.67
73.25	81.19	72.84	69.34	75.76
8.06	13.12	13.53	12.25	11.52
25.68	20.60	21.59	20.95	22.78
6.87	6.56	7.96	4.81	7.21
6.97	7.30	8.76	7.89	7.36
5.08	6.28	7.36	9.11	5.97
10.05	12.47	10.85	13.02	10.84
28.66	29.56	26.67	28.75	28.73
11.05	13.67	11.74	13.70	12.18
79.12	180.02	209.97	184.78	146.00
66.18	66.23	64.38	62.96	65.61
14.33	17.73	20.60	19.86	17.55
10.45	9.61	7.66	8.71	9.27
1.09	2.31	1.89	2.31	1.99
3.38	3.79	3.98	4.84	3.96
14.63	11.18	9.55	14.64	11.55
15.33	18.47	18.11	19.03	17.14
21.40	17.46	14.93	18.48	18.43
6.57	7.02	5.67	5.53	6.30
9.95	9.88	9.85	9.00	9.85
10.05	13.12	12.84	16.12	13.20
19.80	48.58	19.70	15.31	27.39
27.37	25.59	22.79	23.29	25.79
10.85	9.70	8.76	8.33	9.95
12.94	12.38	15.32	13.07	14.07
6.57	6.19	4.48	6.25	5.89
4.98	6.00	4.28	6.40	5.17
6.57	8.04	7.96	7.29	7.79
16.82	10.62	13.63	12.56	14.44
70.66	69.74	75.93	86.69	72.04
16.42	37.96	29.55	28.32	27.61
6.27	7.48	7.96	11.30	7.32
3.18	4.34	4.98	5.61	4.86
38.41	47.48	29.55	30.53	41.49
4.68	7.39	6.87	4.63	5.74
17.81	19.95	20.20	19.16	19.35
21.60	31.13	24.88	19.18	26.34
11.05	10.62	9.95	7.35	11.25
13.83	15.61	16.02	15.87	15.37
1.19	0.55	1.69	1.04	1.05
2.59	3.51	2.19	2.12	2.39
34.93	33.71	40.60	34.69	36.43
26.07	34.27	29.06	19.24	29.01
36.82	31.40	33.24	34.56	33.60

8.86	9.98	11.05	9.28	9.52
13.93	14.87	12.54	13.25	13.59
1.79	3.23	4.98	3.10	3.42
1.59	2.03	1.69	1.70	1.80
5.67	5.26	5.57	2.77	5.61
61.40	63.64	70.35	95.15	61.51
11.94	12.38	11.54	12.72	11.71
30.75	15.79	30.75	28.39	24.60
6.17	6.47	5.67	8.58	6.12
45.18	47.29	52.94	49.17	46.93
27.87	24.01	24.18	16.77	24.79
8.96	13.76	11.05	10.00	10.87
8.76	12.47	10.15	7.18	10.59
28.96	36.76	28.36	41.23	30.34
11.35	9.51	10.65	11.87	10.75
80.51	92.37	93.34	83.74	88.27
23.39	31.59	23.58	28.50	26.21
2.29	1.94	1.29	1.66	1.76
12.64	17.83	19.01	16.09	17.92
11.84	14.04	26.57	9.69	17.34
26.37	35.19	30.95	25.25	31.02
24.88	27.52	29.55	20.25	27.91
50.75	50.25	51.55	60.08	50.92
4.28	6.56	3.58	6.62	5.18
11.54	9.70	15.42	12.03	11.47
2.39	1.48	2.49	2.37	2.13
3.58	6.65	4.18	5.28	5.06
49.16	118.41	91.45	77.95	82.02
13.53	15.15	17.02	11.10	15.05
9.06	9.70	8.66	11.66	9.38
8.36	12.01	9.06	5.81	10.67
21.00	42.40	39.90	34.50	31.63
29.96	38.98	40.60	30.29	35.12
2.29	2.96	1.99	2.09	2.44
35.13	41.47	43.59	38.86	40.31
6.37	4.80	5.77	6.18	6.10
4.78	6.10	6.77	4.30	5.55
9.65	15.24	14.23	13.71	12.31
4.08	7.20	5.87	4.90	5.55
6.87	6.65	6.37	5.68	6.30
15.52	14.04	16.52	14.69	15.69
8.86	10.90	6.17	12.44	7.97
46.57	44.89	53.93	38.30	47.93
26.57	24.11	25.47	28.19	25.32
19.01	11.18	15.32	40.31	13.81
4.18	3.60	3.98	6.17	3.73
5.17	5.45	6.27	7.35	5.68

6.47	7.76	7.66	8.28	8.12
47.87	47.11	51.45	56.40	48.25
13.24	8.68	9.06	1.44	10.30
252.18	229.16	268.98	350.99	239.03
2.19	8.59	5.47	17.67	5.58
2.69	3.33	3.18	4.10	2.71
9.55	11.73	7.46	9.85	9.11
57.62	54.96	62.39	54.34	54.82
41.60	37.04	37.91	44.86	39.11
13.04	14.04	12.64	16.96	13.02
9.85	9.14	8.46	14.38	9.33
0.20	1.11	1.49	1.46	1.05
13.14	17.09	17.02	14.53	15.72
13.04	10.25	12.64	14.72	11.79
11.15	11.82	10.45	13.86	11.42
38.81	31.96	45.28	37.96	38.64
14.93	15.61	20.60	17.50	16.38
12.94	14.41	17.22	11.47	14.64
7.66	6.84	6.07	7.04	7.10
4.88	9.70	5.47	6.24	6.87
8.86	7.67	8.96	18.22	8.80
13.04	13.76	13.53	13.80	13.90
66.28	65.49	59.01	50.44	65.50
3.78	3.60	4.38	5.02	3.86
8.76	10.81	10.55	11.11	9.71
23.59	35.75	39.80	42.00	31.89
3.18	5.54	3.48	5.18	3.65
8.46	7.02	5.27	6.92	6.55
13.04	13.49	10.95	11.66	12.14
17.52	18.38	19.40	18.48	18.37
5.08	4.80	4.38	5.57	5.08
64.09	103.36	127.67	136.79	96.35
75.73	95.88	111.15	228.29	95.00
20.70	26.60	21.00	19.35	23.10
7.76	9.88	8.16	7.80	8.25
2.49	2.59	1.89	2.29	2.66
0.30	0.46	0.90	1.24	0.45
25.08	27.80	23.78	32.91	26.14
5.08	6.47	7.76	6.33	5.90
10.85	7.39	8.36	9.29	8.86
3.09	4.80	4.78	5.19	3.89
3.28	3.33	5.67	4.56	4.21
3.38	5.45	4.68	4.17	4.39
14.53	15.89	13.53	13.42	15.22
0.50	0.83	0.90	1.47	1.00
28.96	29.19	30.75	31.28	28.98
59.01	62.72	72.44	84.82	62.05

7.26	8.68	8.66	6.73	8.08
1.49	3.14	2.89	4.59	2.61
23.88	25.68	19.21	27.06	22.91
28.56	34.54	37.61	28.70	33.20
18.61	18.38	14.73	14.88	17.03
76.73	100.86	113.44	116.79	92.77
8.56	6.65	6.57	6.29	7.31
10.05	10.81	10.05	11.66	9.72
10.55	16.16	11.54	13.60	12.72
73.25	81.28	82.89	78.26	77.73
9.06	7.48	7.86	5.39	8.53
8.36	11.08	7.26	10.20	8.63
10.65	11.55	11.84	8.04	12.11
2.59	3.88	2.59	2.72	2.99
6.27	6.84	5.87	6.70	6.29
6.07	5.45	6.47	3.44	6.45
9.85	13.95	8.86	9.88	11.45
17.81	20.60	19.90	20.94	19.28
9.06	9.14	10.05	6.66	8.96
15.62	14.13	16.42	14.98	14.20
22.59	31.68	29.75	39.07	26.69
7.86	7.94	9.45	12.24	8.49
11.94	12.65	12.84	12.15	11.69
14.73	14.96	14.13	12.18	14.68
3.98	5.82	4.48	6.70	5.24
7.36	3.69	10.45	8.69	7.14
5.77	8.22	6.37	4.76	6.67
18.71	17.55	18.31	17.44	18.72
3.98	1.85	3.78	2.86	2.88
26.47	30.57	30.95	30.58	29.48
41.20	42.40	42.79	39.34	41.67
2.79	2.49	4.08	2.59	3.48
9.45	8.22	8.66	7.41	8.38
27.47	35.93	32.74	34.92	32.05
2.79	0.74	2.59	1.89	2.44
30.35	34.45	35.13	39.45	34.26
46.28	40.09	35.53	31.09	41.05
74.04	90.80	95.83	93.30	83.10
13.04	24.66	38.41	25.83	24.49
53.04	81.00	89.56	62.59	83.81
1.29	2.22	1.49	4.54	1.47
3.58	4.80	6.97	4.47	5.07
5.67	5.91	5.47	5.01	6.06
21.79	17.00	19.40	21.90	19.82
22.19	20.60	20.50	20.99	20.72
11.64	14.96	11.74	11.54	12.62
5.27	6.56	7.26	5.10	6.67

8.66	7.94	8.66	9.28	8.05
207.20	427.56	497.95	368.74	356.29
37.02	29.00	39.01	46.98	32.22
1.09	2.59	1.79	0.62	2.41
67.77	66.32	85.68	65.53	72.21
29.06	42.12	23.48	39.99	34.49
14.23	14.32	13.63	17.01	13.32
12.74	20.14	15.52	12.11	16.23
3.58	4.16	4.18	3.49	3.86
155.65	245.41	193.35	228.03	237.21
22.89	21.98	20.00	23.61	20.95
2.39	3.51	5.47	6.72	3.76
10.05	7.85	12.14	12.59	9.40
4.88	4.99	5.47	6.57	5.16
7.46	8.87	8.46	6.57	7.90
7.26	6.56	5.47	5.96	6.78
20.40	26.32	25.28	26.42	24.35
5.27	3.42	4.68	4.75	4.32
8.26	8.13	10.05	9.49	8.63
6.17	4.34	3.58	4.90	4.47
11.15	12.84	15.62	14.69	12.62
7.66	7.85	8.26	9.90	7.43
1.59	2.03	1.79	1.26	1.89
5.47	8.50	6.07	8.01	6.71
18.91	22.91	21.69	24.39	20.74
16.82	19.95	18.21	18.64	17.34
28.06	26.42	19.80	8.65	25.45
6.27	5.91	7.66	8.41	6.70
17.42	12.47	13.14	12.50	14.51
20.40	21.15	19.40	15.76	21.58
7.86	12.28	9.55	6.76	11.15
12.64	10.53	14.03	14.78	11.45
7.36	5.36	6.27	10.92	6.29
9.95	11.18	11.74	10.17	11.12
15.52	20.41	16.12	17.04	16.80
10.15	11.36	15.52	8.78	12.57
18.81	14.22	15.42	21.42	16.79
10.25	12.47	9.45	12.68	10.79
1.79	1.66	2.49	2.05	2.21
17.71	17.36	21.49	18.43	18.44
12.54	16.35	16.42	15.63	14.77
8.96	11.36	9.65	8.63	9.86
17.02	13.76	18.21	17.79	16.64
8.66	7.94	8.76	8.55	8.49
6.37	4.99	4.98	5.57	4.90
15.03	15.79	20.50	18.76	17.12
11.84	10.99	11.74	8.64	11.01

6.87	9.61	11.05	9.57	8.74
11.05	10.71	12.74	9.94	11.53
1.79	2.59	2.69	3.54	2.37
14.43	10.62	17.61	15.88	14.42
13.53	8.68	11.94	7.72	11.57
5.17	7.20	2.99	3.61	5.01
12.24	10.81	10.25	12.32	11.67
1.99	2.22	1.59	2.11	1.95
2.79	3.60	2.79	4.59	3.56
32.94	31.50	26.77	19.11	36.38
17.12	12.47	13.23	11.58	14.21
7.56	9.33	13.04	15.24	9.41
19.11	22.81	24.08	24.18	21.20
5.87	5.82	5.08	6.07	6.69
7.07	9.14	9.75	7.77	8.79
22.69	25.12	28.16	25.15	25.37
3.98	2.96	2.49	2.77	3.18
18.31	20.69	17.81	18.39	19.19
65.78	51.82	43.09	33.13	53.97
15.82	9.70	11.44	10.53	12.24
6.77	4.25	5.17	4.17	6.07
10.55	7.11	6.47	3.16	7.74
7.36	4.99	4.68	3.47	6.47
13.93	14.69	11.84	16.48	13.15
2.59	4.99	5.27	2.63	4.38
6.57	5.26	4.78	3.91	5.64
11.05	11.64	12.74	13.08	12.04
0.50	1.57	2.89	0.82	1.68
51.35	36.85	59.51	28.07	48.67
55.83	75.74	56.02	41.35	63.28
94.94	133.74	150.86	174.89	117.49
15.72	13.30	12.84	17.56	12.90
1.39	0.55	0.90	0.99	1.03
10.85	8.31	8.16	0.06	10.81
4.78	13.85	7.56	8.26	8.57
4.58	4.99	4.08	4.80	4.71
9.16	6.47	8.06	10.01	7.21
12.24	10.71	7.86	10.49	9.66
27.87	27.06	30.15	31.03	27.24
1.49	1.20	2.39	2.40	1.68
23.59	31.13	26.47	29.70	26.67
36.62	44.43	32.54	32.62	39.60
1.59	3.14	2.49	3.84	2.66
2.49	3.42	3.58	2.51	3.29
1.89	0.92	1.19	1.71	1.10
13.34	12.10	13.33	4.89	13.64
0.90	0.74	1.29	1.41	1.27

11.44	12.93	13.04	16.25	11.47
7.96	9.24	7.86	9.42	7.97
54.93	55.60	49.36	45.95	52.54
13.44	13.12	9.65	14.60	12.11
29.86	34.18	32.54	55.32	30.80
32.14	58.01	41.89	65.20	44.44
6.27	2.96	7.16	11.58	5.04
3.09	3.69	4.28	4.76	3.68
11.54	12.75	13.14	11.77	11.47
20.00	17.27	17.91	14.11	18.44
59.61	61.61	53.14	45.23	60.60
33.84	35.28	33.34	33.41	33.98
59.21	51.91	54.03	59.79	53.76