Type of file: table
Label: Supplemental Table S1
Filename: Table S1.xls

UniqueID	Protein descriptio	Total sp	Total	MP1	MP2	DC1	DC2	MP-BCG1	MP-BCG2	MP-KO1	MP-KO2	MP-Rv1
0610009D07Rik	RIKEN cDNA 06	1	1	43.84	0.04	0.04	0.02	444.76	303.40	49.17	0.02	966.38
1110020P15Rik	RIKEN cDNA 11	1	1	607.64	0.04	0.04	0.02	43.56	37.83	0.02	0.02	0.11
2310014H01Rik	RIKEN cDNA 23	9	2	388.56	40.61	12.82	36.29	41.10	0.02	30.89	51.25	25.32
2400001E08Rik	RIKEN cDNA 24	1	1	76.26	0.04	0.04	12.80	28.96	18.32	9.76	22.90	0.11
2610101N10Rik	RIKEN cDNA 26	2	2	0.03	168.57	3682.54	0.02	0.03	0.02	0.02	0.02	0.11
2900073G15Rik	RIKEN cDNA 29	120	5	5977.06	1725.27	360.48	645.41	583.36	770.47	3766.85	3586.92	18.47
4930403N07Rik	RIKEN cDNA 49	10	1	50.30	59.96	57.20	0.02	51.37	53.25	24.46	24.83	67.30
4930453N24Rik	RIKEN cDNA 49	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
4930578I06Rik	RIKEN cDNA 49	14	7	1579.18	133.43	598.14	7802.99	20.96	106.83	1134.32	995.85	279.56
4932415D10Rik	RIKEN cDNA 49	4	4	43.08	0.04	0.04	0.02	48.65	20.90	981.20	1114.99	0.11
9030624J02Rik	RIKEN cDNA 90	3	3	18.55	26.03	101.98	46.63	82.70	128.89	151.74	124.90	465.84
AW555464	expressed seque	593	3	905.15	1652.84	1030.97	740.41	1141.27	934.78	323.28	301.56	2513.49
Aaas	achalasia, adren	5	1	16.37	0.04	0.04	0.02	234.74	108.52	0.02	0.02	33.95
Aars	alanyl-tRNA synt	8	2	57.59	130.04	191.46	941.74	7.75	25.66	52.90	60.51	99.14
Abca15	ATP-binding cas	8	3	1482.91	1271.29	1076.43	1419.44	2005.97	2101.79	1355.80	1431.76	437.76
Abhd12	abhydrolase dom	14	1	325.71	16.38	20.99	138.54	22.53	33.28	120.70	198.64	0.11
Acaa1a	acetyl-Coenzyme	34	2	1025.08	85.79	85.45	369.09	136.73	487.58	543.03	248.75	11.53
Acaa1b	acetyl-Coenzyme	18	2	591.61	172.75	9.86	0.02	0.60	38.71	463.53	541.91	0.11
Acaa2	acetyl-Coenzyme	24	5	228.31	167.98	75.18	29.62	187.99	570.40	479.71	175.94	2193.26
Acad9	acyl-Coenzyme A	12	6	75.10	14.53	105.90	256.40	228.15	231.97	59.06	39.73	16392.34
Acadl	acyl-Coenzyme A	121	7	523.25	1627.24	855.23	884.49	2068.91	1332.69	3525.38	3015.56	2132.14
Acadm	acyl-Coenzyme A	2	2	14.98	9.46	33.49	37.30	116.36	28.46	55.39	0.02	927.78
Acadsb	acyl-Coenzyme A	4	2	18.96	8.46	0.04	190.70	23.24	27.19	132.09	134.23	106.73
Acadvl	acyl-Coenzyme A	5	2	720.27	8638.50	2193.15	5241.60	322.35	304.23	0.02	22.56	134.28
Acat1	acetyl-Coenzyme	115	8	837.06	430.60	166.49	947.33	2974.07	3402.18	1096.58	973.34	283.24
Aco2	aconitase 2, mito	245	22	5228.01	10994.60	2284.60	6697.58	5867.12	5948.83	9719.26	10389.39	14947.67
Acot11	acyl-CoA thioest	6	2	52.60	53.60	4798.91	12703.44	0.03	15.59	22.59	19.06	1.49
Acot7	acyl-CoA thioest	40	4	37.34	10.47	3.25	38.10	1156.01	1090.84	140.63	52.40	66.15
Acot9	acyl-CoA thioest	3	1	9.07	16.73	8.86	49.93	29.93	34.95	132.10	147.78	0.11
Acox3	acyl-Coenzyme A	20	1	236.20	31.43	763.48	4.96	32.83	47.04	239.43	278.04	13.43
Acsl4	acyl-CoA synthet	35	4	605.64	461.41	229.85	1120.16	151.49	331.16	443.40	698.26	247.43
Acsl5	acyl-CoA synthet	6	1	354.74	81.08	116.93	13.46	0.03	13.70	130.28	131.97	0.11
Actbl2	actin, beta-like 2	312	4	1309.73	2121.21	1232.06	437.98	839.28	836.43	239.30	374.23	5243.53
Actc1	actin, alpha, card	3325	6	5162.92	6141.33	4442.36	5278.62	4707.32	6082.39	3712.25	4655.08	33106.37
Actg1	actin, gamma, cy	7136	26	29897.00	27045.66	21645.45	21044.92	19130.25	16009.55	17374.02	19571.46	42528.29
Actn1	actinin, alpha 1 (	3	3	183.09	84.94	339.81	193.88	421.94	351.27	392.17	332.66	2411.60

Actn4	actinin alpha 4 G	129	11	1498.12	928.72	7377.46	2757.46	859.86	1492.02	1902.13	1609.27	118.07
Actr1b	ARP1 actin-relat	4	1	32.53	31.00	365.33	102.73	0.03	7.46	25.05	38.93	0.11
Actr2	ARP2 actin-relat	84	7	550.94	968.12	1327.44	352.78	1044.14	2530.08	1541.92	815.61	1222.88
Actr3	ARP3 actin-relat	81	6	831.27	251.81	2374.35	432.80	1491.45	1383.64	2423.77	2672.30	259.72
Actr3b	ARP3 actin-relat	1	1	1.84	2.71	1.61	0.02	2.55	0.14	3.76	1.65	3.50
Adam4	a disintegrin and	3	1	0.03	0.04	18.26	0.02	10.82	16.26	3.60	0.02	60.51
Adk	adenosine kinas	6	1	3.48	0.04	7.07	42.79	2.74	16.53	13.94	18.28	2.21
Adrbk1	adrenergic recep	25	7	2805.83	1503.40	848.09	6105.23	4405.38	14721.39	2624.55	802.17	948.96
Agbl5	ATP/GTP bindin	1	1	0.03	2.31	0.04	324.34	10.89	52.38	266.32	105.96	26.40
Agps	alkylglycerone ph	1	1	30.26	498.66	32.90	4.88	0.03	0.02	0.02	0.02	0.11
Ahnak	AHNAK nucleopl	61	14	3113.24	4014.43	2770.50	5450.25	2304.98	1900.04	1078.87	1380.67	331.04
Ahsa1	AHA1, activator	15	2	0.14	396.56	50.26	1355.98	0.16	0.76	0.48	0.54	0.56
Aimp2	aminoacyl tRNA	12	1	241.03	0.04	0.04	178.58	122.69	665.30	0.02	0.02	0.11
Ak2	adenylate kinase	8	2	42.19	27.27	126.09	368.74	4.13	0.02	27.71	29.78	3713.81
Ak5	adenylate kinase	1	1	0.03	0.04	0.04	0.02	1.16	4.40	0.02	1.47	26.86
Akr1b3	aldo-keto reducta	24	5	392.50	362.08	84.92	1001.35	965.76	831.27	338.59	443.57	969.52
Alb	albumin Gene	2	2	461.75	142.61	19.15	42.52	353.82	26.80	492.89	419.48	263.29
Alcam	activated leukocy	3	1	0.03	0.04	423.45	33.99	434.35	422.17	34.82	86.32	1726.19
Aldh18a1	aldehyde dehydr	35	7	5972.43	26129.14	3197.89	2820.49	119.44	171.26	579.44	542.05	2700.51
Aldh2	aldehyde dehydr	365	15	3798.68	2821.28	3205.11	1864.40	10867.42	10480.68	10007.44	10570.04	2641.19
Aldoa	aldolase A, fructo	119	7	753.40	500.35	3398.29	4524.04	4927.42	4997.39	1862.78	2359.35	669.61
Aldoart1	aldolase 1, A iso	3	3	30.98	153.20	935.72	31.83	44.87	20.46	13.98	18.90	461.79
Aldob	aldolase B, fructo	84	2	35.31	1649.85	633.44	22.80	1447.57	881.09	239.86	457.24	440.86
Alox5	arachidonate 5-li	54	4	932.81	486.17	538.12	655.46	1491.44	1135.04	1408.39	1574.15	83.31
Ank1	ankyrin 1, erythro	2	2	3.77	22.56	0.04	1.35	0.03	45.37	37.44	14.72	390.54
Anp32b	acidic (leucine-ri	28	2	108.34	84.63	1246.74	88.32	897.10	872.62	157.58	74.69	0.11
Anp32e	acidic (leucine-ri	1	1	0.03	0.04	1231.87	0.02	0.03	0.02	8.11	3.65	20.07
Anpep	alanyl (membran	37	4	52.09	369.05	861.97	1076.31	179.40	416.79	233.05	157.50	1217.05
Anxa1	annexin A1 Gene	126	12	6923.93	3920.40	5989.46	4031.11	4667.47	4958.29	2727.29	2947.29	4237.32
Anxa2	annexin A2 Gene	232	18	4296.31	4578.77	2389.49	3913.82	8527.42	8847.91	10449.60	12112.22	440.27
Anxa3	annexin A3 Gene	58	10	1934.72	299.66	650.85	1156.59	2835.48	3326.83	1663.65	1758.18	2489.49
Anxa4	annexin A4 Gene	22	1	295.69	109.75	513.73	336.52	0.03	45.40	317.73	301.90	0.11
Anxa5	annexin A5 Gene	104	10	1248.33	568.67	7826.50	2373.08	551.24	523.79	829.86	720.83	1882.20
Anxa6	annexin A6 Gene	8	5	607.95	353.66	1309.07	493.32	534.91	397.85	765.04	891.17	4533.99
Anxa7	annexin A7 Gene	3	1	87.11	671.14	21.51	282.88	0.03	10.54	431.12	596.40	55.59
Ap2b1	adaptor-related p	21	1	353.41	0.04	8.15	46.80	0.03	9.08	318.86	333.30	0.11
Apool	apolipoprotein O	20	4	2642.23	643.82	65.70	2307.10	941.57	503.95	749.53	607.10	46.95

Aprt	adenine phospho	1	1	56.54	54.94	661.30	0.02	629.56	352.96	0.02	0.02	0.11
Arcn1	archain 1 Gene	6	3	98.45	7621.20	292.64	7625.74	259.55	131.28	0.02	2.64	32.16
Arf2	ADP-ribosylation	37	1	169.40	47.73	0.04	334.95	268.56	505.09	414.64	2.27	0.11
Arf3	ADP-ribosylation	5	2	6.83	118.43	1692.18	510.45	37.06	22.20	17.65	16.56	257.49
Arhgap18	Rho GTPase act	53	8	3151.99	906.59	0.04	131.10	399.44	216.17	8.52	24.34	3909.35
Arhgdia	Rho GDP dissoc	75	6	1258.78	1266.03	1327.29	2557.27	1684.07	1766.41	1177.09	1218.17	223.82
Arhgdib	Rho, GDP disso	33	4	0.03	5350.32	3761.05	13231.23	55.93	56.85	9.17	44.02	0.11
Arhgef1	Rho guanine nuc	2	2	0.03	51.21	0.04	0.02	32.46	48.76	0.02	0.02	106.74
Arid3a	AT rich interactiv	3	3	454.00	0.04	0.04	1.57	589.06	78.94	0.02	0.02	0.11
Arl6ip5	ADP-ribosylation	18	3	24.48	38.14	951.61	327.70	248.72	241.67	0.02	23.24	79.50
Arl8a	ADP-ribosylation	4	1	42.23	22.52	20.60	1145.75	33.16	11.22	23.82	27.20	33.05
Arl8b	ADP-ribosylation	24	3	152.30	110.41	30.09	27.86	314.89	374.26	62.61	130.01	133.31
Arpc2	actin related prot	11	1	35.80	0.04	225.09	2418.57	43.78	55.59	0.02	0.02	0.11
Arpc3	actin related prot	45	2	473.86	291.85	487.42	471.76	1030.93	822.57	228.96	361.58	2230.84
Arpc4	actin related prot	51	3	255.51	405.54	112.11	133.29	731.26	392.76	169.17	249.48	217.01
Arpc5l	actin related prot	1	1	0.03	0.04	0.04	0.02	15.44	0.02	9.33	0.02	0.11
Asah1	N-acylsphingosir	5	2	616.33	132.08	207.10	48.40	100.22	99.46	671.67	659.93	88.03
Ascc3	activating signal	3	3	16.02	47.39	18.76	2.91	201.35	273.65	59.08	92.89	2562.53
Asns	asparagine synth	20	5	282.44	101.63	13.80	61.43	490.20	420.08	315.72	349.04	868.47
Atg7	autophagy-relate	8	1	15.69	37.07	241.64	353.75	163.79	113.22	17.06	9.62	3.64
Atic	5-aminoimidazol	20	6	2249.15	1439.26	133.76	560.90	1432.71	785.27	1040.36	1197.94	342.66
Atp1a1	ATPase, Na+/K+	36	5	2600.85	1794.21	11404.92	889.91	799.58	375.87	329.07	129.40	629.42
Atp1a2	ATPase, Na+/K+	1	1	1.41	0.04	0.48	0.02	0.03	0.02	0.02	0.02	0.11
Atp1b3	ATPase, Na+/K+	18	1	540.38	603.15	433.61	256.98	1263.09	1144.19	355.70	605.67	561.35
Atp2a2	ATPase, Ca++ tr	28	2	583.02	331.46	0.04	0.02	318.85	358.85	1115.77	1238.57	0.11
Atp2a3	ATPase, Ca++ tr	6	1	25.07	0.04	5.62	239.22	212.24	175.68	242.30	12.85	563.36
Atp2b2	ATPase, Ca++ tr	7	4	0.03	0.04	0.04	0.02	0.03	0.02	3267.94	3151.00	0.11
Atp5a1	ATP synthase, H	389	17	13544.13	12077.44	4475.26	19518.60	9318.13	10480.70	15321.85	12307.18	11996.43
Atp5b	ATP synthase, H	981	31	27236.87	28731.17	16757.18	13256.06	23063.46	25960.68	43596.50	38318.71	7192.16
Atp5c1	ATP synthase, H	3	1	0.03	0.04	24.50	0.02	0.03	0.02	180.94	7.79	0.11
Atp5h	ATP synthase, H	78	8	5541.38	7283.42	484.55	2123.59	2471.31	1844.75	3445.39	3652.19	433.90
Atp5j	ATP synthase, H	70	5	1123.87	631.91	0.04	216.90	1339.43	1708.79	1139.68	819.86	1850.62
Atp5j2	ATP synthase, H	68	2	2330.20	1086.56	65.56	155.87	1309.97	889.25	2012.70	1668.40	15.93
Atp5o	ATP synthase, H	141	9	2589.75	3303.90	811.47	1091.84	2517.04	2792.06	3075.49	3294.29	177.25
Atp6v0c	ATPase, H+ tran	10	1	127.16	0.04	0.04	0.02	221.67	65.61	179.20	335.88	0.11
Atp6v1a	ATPase, H+ tran	32	6	623.44	4098.22	1075.82	1906.67	1129.15	926.99	1671.96	1971.38	8325.71
Atp6v1b2	ATPase, H+ tran	12	5	423.17	444.23	329.16	5.50	309.56	221.45	577.69	211.41	176.01

Atp6v1e1	ATPase, H+ tran	57	7	1102.64	215.14	2468.14	3227.32	1336.52	1237.85	1006.18	1241.65	604.52
Atp6v1f	ATPase, H+ tran	1	1	0.03	0.08	38.44	5.71	21.05	81.66	0.02	0.80	23.28
BC005624	cDNA sequence	38	1	42.37	74.77	14.98	0.02	44.37	35.31	32.11	30.60	65.38
BC017643	cDNA sequence	2	1	21.99	27.11	207.42	11.17	0.03	0.02	0.02	14.22	9.31
BC019943	cDNA sequence	2	2	9.98	0.04	0.04	0.02	0.03	0.02	0.02	0.02	48.81
BC024139	cDNA sequence	1	1	2.74	1.97	4.24	0.02	32.33	21.42	1.03	0.02	0.11
Banf1	barrier to autoint	46	3	2694.47	1618.28	158.68	140.09	266.52	721.42	706.27	917.87	50.28
Bat1a	HLA-B-associate	86	6	717.97	968.00	215.49	693.09	1381.48	1644.35	2341.29	2330.80	84.37
Bhmt	betaine-homocys	32	3	56.71	76.38	192.90	170.86	37.26	11.99	81.07	49.68	267.95
Bin1	bridging integrat	1	1	124.70	70.37	0.04	0.02	232.61	246.64	124.91	189.39	17.89
Blvra	biliverdin reducta	3	1	27.73	0.04	63.17	10.52	0.03	0.02	13.93	20.88	1355.66
Bri3bp	Bri3 binding prot	13	1	80.44	0.04	0.04	0.02	0.03	0.02	344.97	447.86	0.11
Brp44	brain protein 44 (	3	1	120.04	0.04	0.04	0.02	0.03	0.02	106.59	103.26	0.11
Brunol6	bruno-like 6, RN/	3	1	96.94	195.45	560.92	17.66	32.02	0.02	2.41	0.02	8.34
Btbd3	BTB (POZ) doma	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Btf3	basic transcriptic	6	1	495.38	391.03	321.13	3120.64	566.40	35.18	0.02	0.02	0.11
Bub3	budding uninhibi	3	2	5.01	4.17	37.84	0.02	10.88	28.89	4.67	8.44	166.22
C1qbp	complement com	104	4	6804.40	4735.61	6366.75	3286.01	1919.04	2398.58	3256.46	3996.00	14.62
Cables1	CDK5 and Abl en	217	18	3776.72	2746.82	1838.28	676.11	8187.79	5745.93	2150.97	2284.15	3801.14
Cacybp	calcyclin binding	3	1	424.45	28.58	0.04	41.97	77.16	20.17	7.76	12.13	0.11
Calm1	calmodulin 1 Ge	131	6	6729.21	3126.63	693.59	12755.56	7776.50	5972.86	4488.80	3710.02	1323.10
Calr	calreticulin Gene	477	14	5244.97	1667.33	2533.13	20402.69	10680.37	23380.37	14219.61	8057.65	5134.00
Cand1	cullin associated	4	2	203.76	80.49	1644.74	29.98	190.92	21.89	80.92	236.41	783.07
Canx	calnexin Gene	315	16	12441.87	6657.93	6417.67	4383.93	8461.59	6891.81	8873.87	10421.72	1221.78
Cap1	CAP, adenylate (	71	9	97.68	789.55	2035.71	1081.96	1796.85	1406.64	766.97	1194.67	147.93
Capg	capping protein (	138	7	2786.25	2153.76	1598.53	5144.12	4282.07	4116.06	1353.23	1606.47	500.59
Capza1	capping protein (	76	4	115.61	1578.14	169.05	1070.12	33.10	117.16	80.57	34.29	379.60
Capza2	capping protein (	81	6	2781.91	1306.31	302.33	455.58	1820.24	1823.75	1946.08	1727.88	3905.21
Capzb	capping protein (	31	3	56.15	0.04	0.04	68.68	100.26	129.32	818.54	1183.39	2438.71
Cat	catalase Gene	24	4	57.80	126.36	100.70	334.92	542.07	453.55	122.44	137.33	263.93
Cbfb	core binding fact	4	1	131.37	125.37	2526.20	150.49	246.68	193.43	9.54	5.62	0.11
Cbx1	chromobox hom	15	1	790.90	1666.11	128.47	628.09	0.03	0.02	220.76	83.09	0.11
Ccdc105	coiled-coil domai	8	3	4342.93	3890.75	50.81	16016.71	207.26	369.88	0.02	11.35	935.03
Ccdc147	coiled-coil domai	5	2	222.08	2651.15	1470.23	0.02	993.84	940.65	431.56	364.86	28.20
Ccdc81	coiled-coil domai	3	1	0.03	0.04	0.04	0.02	16.66	0.02	22.98	0.02	0.11
Ccdc9	coiled-coil domai	2	1	0.03	0.04	0.04	0.02	70.19	91.72	17.97	18.95	1433.96
Ccl27a	chemokine (C-C	3	1	33.44	0.04	0.04	0.02	28.47	33.60	148.88	228.70	496.84

Ccnb2	cyclin B2 Gene	3	2	59.12	4.95	93.91	0.02	177.38	208.52	52.42	15.81	0.11
Cct3	chaperonin conta	83	9	1270.23	202.89	217.55	407.64	911.71	696.51	2575.13	2735.45	348.44
Cct4	chaperonin conta	25	6	126.00	3.68	1160.32	68.93	251.95	297.85	595.49	437.16	25.09
Cct5	chaperonin conta	13	3	22.18	203.07	12590.28	632.67	62.52	28.14	184.70	307.53	19.36
Cct6a	chaperonin conta	33	5	0.03	554.05	205.17	1714.59	1215.38	1069.42	384.23	519.86	412.47
Cct6b	chaperonin conta	4	2	107.27	7.23	51.00	3740.14	268.81	1700.26	3034.04	1096.30	1727.80
Cct7	chaperonin conta	51	4	324.16	1585.02	121.40	733.22	1216.78	1065.94	1350.21	1265.97	84.65
Cct8	chaperonin conta	21	4	146.48	246.44	2133.55	7.80	281.50	388.55	164.37	275.64	0.11
Cd14	CD14 antigen Ge	25	4	1148.55	212.59	77.71	25.46	235.25	134.68	779.07	1043.31	3276.26
Cd63	CD63 antigen Ge	8	1	135.90	158.64	0.04	0.02	113.73	148.52	258.72	210.24	0.11
Cdc37	cell division cycle	1	1	0.03	0.04	0.04	18.55	0.03	0.02	60.80	5.77	0.11
Ceacam3	carcinoembryoni	6	4	126.01	39.14	1051.32	441.07	157.69	2.19	218.70	211.09	463.21
Cep110	centrosomal prot	8	2	342.27	846.98	154.19	163.29	173.92	337.27	738.79	706.73	1672.22
Cep76	centrosomal prot	1	1	0.03	0.04	0.04	0.02	10.89	46.25	0.02	0.02	1501.25
Cept1	choline/ethanola	4	1	190.61	81.61	0.04	0.02	104.99	88.05	301.74	340.00	1404.06
Cfl1	cofilin 1, non-mu	37	6	1007.75	122.61	5818.28	451.69	451.22	333.78	1056.75	1259.84	59.27
Chchd3	coiled-coil-helix-c	2	1	2.12	8.32	5.01	0.02	0.03	0.02	0.16	0.65	0.11
Chd4	chromodomain h	4	2	181.67	2.41	4.12	4.71	68.81	6.23	0.24	1.02	34.68
Ckb	creatine kinase,	17	4	1284.07	2068.03	1885.77	4275.48	1633.44	1686.53	481.32	537.95	7379.79
Clec10a	C-type lectin dor	16	2	729.94	223.71	0.04	0.02	2237.23	2090.36	1271.97	1491.29	63.56
Clic1	chloride intracell	44	2	271.22	116.58	175.53	67.10	2797.48	2348.12	308.44	325.24	74.79
Clpp	caseinolytic pept	7	1	4.70	12.56	0.04	0.02	1.58	0.02	0.26	0.02	0.11
Clptm1	cleft lip and palat	7	3	558.66	439.06	277.60	0.02	313.91	173.80	1.67	0.28	4.11
Cltc	clathrin, heavy p	177	27	2344.68	4768.12	4598.50	4292.10	4370.55	4451.42	3832.46	4000.93	2496.33
Cmas	cytidine monoph	1	1	885.77	387.41	0.04	78.19	378.54	266.29	0.02	0.02	0.11
Cmpk1	cytidine monoph	3	1	5.07	0.04	1587.82	0.02	0.03	0.02	0.02	11.83	0.11
Cndp2	CNDP dipeptidas	14	6	23.21	22.12	488.06	397.03	224.08	197.31	106.85	91.22	556.02
Cnpy2	canopy 2 homolc	12	1	18.20	0.04	33.77	539.01	14.18	283.42	43.12	0.02	0.11
Cnpy4	canopy 4 homolc	3	1	0.03	0.04	0.04	47.42	0.03	0.02	0.02	0.02	21.15
Cog4	component of oli	5	3	69.64	105.47	69.91	75.88	132.09	102.10	110.44	103.10	34.60
Copa	coatomer proteir	4	2	0.03	7.40	0.04	401.50	71.79	51.66	0.02	0.02	16.54
Copb1	coatomer proteir	18	2	0.03	51.46	778.24	465.80	24.36	68.82	15.73	12.76	110.85
Copb2	coatomer proteir	10	3	1379.92	684.25	42.75	956.30	1979.62	989.02	0.02	9.73	9.64
Coro1a	coronin, actin bir	44	2	0.03	55.60	839.46	852.73	3.48	3.63	0.02	0.02	0.11
Cox4i1	cytochrome c ox	63	5	6100.53	3003.38	302.40	928.31	5106.63	3475.84	860.17	1199.61	0.11
Cox5a	cytochrome c ox	140	7	6343.07	4090.19	1334.27	3083.33	2738.96	2363.44	1447.31	1136.94	2276.33
Cox5b	cytochrome c ox	40	1	664.80	919.86	59.32	245.74	836.92	1066.78	471.31	393.46	975.51

Cox6a1	cytochrome c oxi	18	2	3376.36	6810.25	288.94	56.98	157.18	88.95	71.16	47.62	99.23
Cox7a2	cytochrome c ox	9	1	1364.81	406.78	4885.17	510.73	562.87	153.72	48.50	103.57	2.23
Cpox	coproporphyrino	2	2	0.03	0.04	0.04	111.91	0.03	0.02	0.02	0.02	32.36
Cps1	carbamoyl-phosp	5	1	351.35	497.78	88.07	124.89	139.28	56.27	148.80	112.77	48.89
Creg1	cellular represso	2	1	2.12	5.56	0.04	809.67	0.03	3.73	0.02	0.02	5.91
Cs	citrate synthase	92	6	801.19	580.91	335.33	287.61	4876.01	3825.92	3137.13	4053.31	403.29
Csrp1	cysteine and gly	19	1	10.13	96.92	149.35	103.27	0.03	0.02	114.84	2.09	0.11
Cstb	cystatin B Gene	8	2	10.15	1673.15	2494.79	384.66	0.03	0.02	1.27	0.02	43.89
Ctsc	cathepsin C Gen	16	2	211.09	231.57	0.04	176.53	55.82	40.52	146.42	166.95	193.93
Ctsd	cathepsin D Gen	1	1	0.03	0.04	82.88	0.02	0.03	0.02	0.02	0.02	0.11
Ctss	cathepsin S Gen	28	2	449.66	199.37	596.81	370.35	473.42	569.56	441.04	583.43	78.83
Ctsz	cathepsin Z Gen	2	1	5.54	869.17	33.44	0.02	2.34	4.46	0.42	0.02	0.11
Cyb5b	cytochrome b5 ty	12	1	1762.20	809.37	0.04	19.38	0.03	0.02	402.32	340.62	35.14
Cyb5r1	cytochrome b5 re	2	1	337.86	68.86	737.98	340.72	174.22	160.49	155.11	141.52	0.11
Cyb5r3	cytochrome b5 re	72	7	4898.27	3500.84	534.12	448.96	3017.36	2851.84	3978.74	4472.28	370.47
Cyc1	cytochrome c-1 (	41	3	1598.05	129.49	93.59	359.61	1798.44	1870.27	1261.57	440.89	26.11
Cyfip1	cytoplasmic FMF	5	2	25.57	82.16	105.76	252.33	50.61	52.63	34.08	32.55	34.39
Cyfip2	cytoplasmic FMF	2	2	616.51	485.44	617.71	2076.36	983.47	844.46	429.08	376.21	1151.74
Cyp24a1	cytochrome P45(	4	4	64.10	127.85	333.17	107.79	0.03	0.02	0.02	1.16	71.93
D1Pas1	DNA segment, C	1	1	0.03	0.04	0.04	0.02	0.03	30.19	312.05	184.59	0.11
D630039A03Rik	RIKEN cDNA D6	2	1	816.85	0.04	19.27	1441.10	474.88	414.96	0.02	0.02	0.11
Dab2	disabled homolo	1	1	98.91	24.37	0.04	73.77	125.54	359.54	21.30	24.20	0.11
Dad1	defender against	2	1	50.72	7.91	102.62	12.06	168.46	171.40	28.49	4.18	1465.37
Dars	aspartyl-tRNA sy	6	1	1.07	0.04	32.62	0.02	1.20	0.02	0.02	0.02	0.11
Dbt	dihydrolipoamide	11	1	5.39	322.11	46.03	214.87	1.94	0.40	28.32	30.02	0.92
Dci	dodecenoyl-Coe	39	2	675.04	73.43	138.11	325.02	82.32	138.08	779.48	885.44	59.58
Dcp1b	DCP1 decapping	1	1	1707.63	114.35	2990.70	40.68	286.88	1287.71	7.67	0.02	61.97
Ddb1	damage specific	9	1	0.03	0.04	0.04	321.05	0.03	167.94	241.44	22.18	0.11
Ddhd1	DDHD domain c	2	2	11.03	3.00	0.04	219.11	20.24	210.55	95.20	158.34	905.04
Ddost	dolichyl-di-phosp	12	3	828.03	1514.37	168.23	441.74	656.39	472.63	241.96	293.88	3722.98
Ddx17	DEAD (Asp-Glu-	1	1	433.07	944.23	155.25	622.50	80.15	12.14	3.29	0.02	7.96
Ddx20	DEAD (Asp-Glu-	1	1	3.33	9.64	10.68	13.68	12.02	38.20	16.74	49.29	189.14
Ddx21	DEAD (Asp-Glu-	47	5	1342.86	661.78	34.00	671.07	326.68	233.69	1030.52	975.86	406.95
Ddx39	DEAD (Asp-Glu-	2	1	0.03	0.04	0.04	0.02	20.82	16.21	0.02	0.02	0.11
Ddx3y	DEAD (Asp-Glu-	61	5	455.11	374.23	898.17	321.91	1739.01	1535.54	488.22	658.22	62.77
Ddx5	DEAD (Asp-Glu-	16	6	1469.20	530.73	418.44	224.21	1523.58	1124.87	1103.35	1122.75	1171.40
Dek	DEK oncogene (	1	1	1253.60	154.15	0.04	141.58	987.51	972.30	463.23	364.12	1087.48

Derl1	Der1-like domair	21	1	26.06	41.27	55.23	0.02	124.70	94.48	0.02	11.37	825.69
Det1	de-etiolated hom	3	3	0.03	328.62	934.49	0.02	0.03	0.02	0.02	0.02	0.11
Dhx15	DEAH (Asp-Glu-	15	1	254.38	418.49	0.04	389.47	0.03	13.73	204.54	226.90	5.50
Dhx9	DEAH (Asp-Glu-	39	8	1678.77	65.59	359.01	46.05	1115.81	857.53	919.05	914.67	198.62
Dkc1	dyskeratosis con	35	2	156.98	41.38	0.04	49.04	413.13	384.86	114.46	115.81	0.11
Dlat	dihydrolipoamide	137	7	2146.93	374.62	160.28	528.30	1969.72	2108.61	2418.11	2344.36	776.03
Dld	dihydrolipoamide	67	6	1622.57	3278.23	368.64	265.76	1490.43	1428.06	2337.82	2522.57	286.58
Dlec1	deleted in lung a	104	4	356.37	134.40	79.92	0.02	965.23	733.78	1133.15	1317.07	646.88
Dlgap1	discs, large (Dro	2	2	98.58	89.40	34.88	578.29	326.57	492.36	1436.09	3822.35	29996.31
Dlst	dihydrolipoamide	42	4	2822.96	1282.88	126.72	176.57	370.43	487.18	2484.80	2702.87	2399.21
Dnahc7a	dynein, axonema	1	1	4.95	0.04	0.04	0.02	73.04	0.02	12.81	18.25	6.29
Dnaja1	DnaJ (Hsp40) ho	4	1	39.77	20.80	0.04	41.86	1524.74	1383.70	209.14	202.97	0.11
Dnaja2	DnaJ (Hsp40) ho	3	1	415.91	0.04	0.04	0.02	0.03	0.02	428.34	507.86	0.11
Dnaja3	DnaJ (Hsp40) ho	3	2	0.03	0.04	104.83	1.74	13.82	14.58	1.07	3.41	647.47
Dnajb11	DnaJ (Hsp40) ho	21	3	170.64	86.94	284.39	417.68	680.12	544.26	281.18	268.08	343.46
Dnm2	dynamin 2 Gene	23	4	19.12	30.03	1497.10	44.87	91.24	328.12	811.71	754.11	18.59
Doc2b	double C2, beta	4	4	187.04	67.22	0.04	571.35	346.89	498.96	546.25	708.65	46.29
Dpy30	dpy-30 homolog	4	1	1.64	0.04	0.04	7.86	0.03	1.83	0.02	0.02	0.11
Dpysl2	dihydropyrimidin	17	3	717.02	556.20	90.69	314.64	220.62	87.58	320.74	174.99	41.40
Drg2	developmentally	1	1	110.30	1702.65	0.04	0.02	195.52	0.02	0.02	0.02	0.11
Dync1h1	dynein cytoplasn	204	29	3165.00	3437.49	3746.58	3710.40	4899.17	3667.85	4823.54	4148.54	6128.94
Dync1i2	dynein cytoplasn	2	1	0.03	0.04	1.32	1.51	0.03	0.02	0.02	0.02	0.11
Eef1a1	eukaryotic transl	304	13	8703.80	6305.06	4220.27	16344.98	10364.23	19994.34	11608.32	9779.49	5576.04
Eef1b2	eukaryotic transl	85	3	772.21	1093.87	1641.37	436.66	6712.75	5342.46	917.53	1128.28	549.02
Eef1d	eukaryotic transl	52	3	224.15	95.31	112.04	53.56	2282.71	1675.11	363.10	502.42	574.98
Eef1g	eukaryotic transl	31	4	420.91	269.11	185.60	381.43	284.67	339.88	699.56	879.93	137.55
Eef2	eukaryotic transl	93	6	2921.11	2368.22	2360.16	2124.91	2863.35	3358.68	3529.46	3595.34	923.44
Efcab3	EF-hand calcium	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Efemp2	epidermal growth	12	4	867.97	1095.09	4586.97	904.47	332.70	198.63	125.72	82.73	292.10
Efhd1	EF hand domain	8	1	191.40	98.15	0.04	0.02	14.93	0.02	20.43	13.86	0.11
Efhd2	EF hand domain	4	3	145.22	50.86	0.04	81.09	137.76	26.20	30.54	4.67	447.89
Eftud2	elongation factor	24	3	181.83	61.27	87.40	25.47	137.04	344.85	137.91	76.11	165.15
Ehd1	EH-domain conta	5	4	597.22	483.04	1583.38	916.12	15.51	74.41	429.27	512.43	1016.61
Ehd4	EH-domain conta	3	3	37.07	242.34	103.41	358.46	129.54	91.55	41.09	62.43	5147.06
Eif1	eukaryotic transl	1	1	19.69	0.04	101.75	0.02	0.03	0.02	33.77	71.08	0.11
Eif2s1	eukaryotic transl	27	2	306.75	28.71	1234.59	13.14	10.91	0.02	451.70	534.43	0.11
Eif2s2	eukaryotic transl	1	1	0.03	0.04	0.04	0.02	1.38	0.02	0.02	0.02	3.13

Eif3a	eukaryotic transl	28	4	153.68	487.44	279.23	896.99	202.83	101.65	485.60	342.41	12.10
Eif3f	eukaryotic transl	1	1	35.78	0.04	0.04	285.93	1.16	0.02	0.02	0.02	106.59
Eif3g	eukaryotic transl	6	1	0.03	89.18	0.04	0.02	10.20	0.02	0.02	6.92	4.67
Eif4a1	eukaryotic transl	197	10	3805.16	2652.14	713.44	2214.71	3672.32	5781.13	6713.21	4728.34	2554.11
Eif4a2	eukaryotic transl	1	1	20.76	0.04	0.04	0.02	22.88	26.09	0.02	0.02	595.01
Eif4a3	eukaryotic transl	34	3	376.88	443.81	665.36	57.59	838.26	562.10	418.97	684.52	1010.13
Eif4g2	eukaryotic transl	2	1	407.47	81.25	0.04	4.48	22.70	8.38	120.36	117.09	20.75
Eif4h	eukaryotic transl	1	1	0.03	866.48	525.33	567.14	53.69	71.49	90.80	174.90	12.14
Eif5	eukaryotic transl	6	1	18.08	38.17	486.40	7.02	17.73	14.98	10.29	31.25	5.03
Eif5a	eukaryotic transl	25	5	1007.72	1021.13	1285.25	1716.15	243.68	36.77	428.33	226.00	23.12
Elmo1	engulfment and	12	3	286.99	1113.62	1105.37	288.73	390.65	280.25	324.89	168.51	525.79
Elmod2	ELMO domain c	3	2	17.51	15.95	0.04	0.02	234.10	240.29	7.77	6.98	186.85
Elp2	elongation protei	4	2	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Enc1	ectodermal-neur	440	8	246.02	347.64	1594.60	459.63	688.82	817.43	185.30	209.64	4435.48
Eno1	enolase 1, alpha	487	16	3725.71	3916.14	15594.74	10313.63	1425.22	1801.58	2333.65	2228.55	1076.77
Eno3	enolase 3, beta	1	1	5.63	26.25	0.04	12.17	4.41	4.82	5.48	0.02	0.11
Eprs	glutamyl-prolyl-tF	15	8	8.95	0.04	104.74	48.96	153.17	214.01	661.74	1078.09	2191.14
Eps8	epidermal growth	4	1	201.14	253.53	238.81	89.69	29.09	96.56	0.02	0.02	0.11
Erap1	endoplasmic reti	3	2	0.03	0.04	0.04	585.90	0.03	0.02	0.02	0.02	0.11
Ero1l	ERO1-like (S. ce	3	1	0.03	29.50	28.64	3.11	283.00	217.40	15.18	13.35	0.11
Erp29	endoplasmic reti	119	5	455.28	209.98	103.85	384.90	3606.66	3648.10	875.49	839.96	3270.13
Esd	esterase D/formy	41	5	136.65	113.45	1910.80	2057.35	50.44	21.29	531.56	109.12	56.01
Esyt1	extended synapt	90	9	1161.85	862.50	222.98	1542.58	765.92	878.44	882.10	987.78	1000.53
Etf1	eukaryotic transl	1	1	0.03	0.04	0.04	753.17	22.42	0.02	0.02	0.02	0.11
Etfa	electron transfer	142	7	1541.11	2248.49	2302.68	2457.96	3886.55	3609.61	2737.83	2852.71	365.40
Etfb	electron transfer	19	2	383.59	64.41	22.76	56.44	56.05	20.48	1166.34	1659.58	329.31
Ewsr1	Ewing sarcoma	2	1	5.81	0.04	0.04	22.22	0.03	0.02	0.02	0.14	0.11
Ezr	ezrin Gene	8	1	104.66	25.42	102.07	30.65	381.45	303.19	64.74	89.98	17.08
F2rl1	coagulation facto	39	1	161.52	171.09	97.28	64.36	149.84	89.76	28.69	22.14	386.31
Fam119a	family with seque	3	3	22.34	363.74	123.43	0.02	0.03	0.02	0.02	0.02	0.11
Fam129a	family with seque	28	3	105.00	151.29	679.03	775.93	61.37	99.31	140.38	67.21	32.15
Fam160a1	family with seque	7	5	6.49	741.12	1762.02	2787.17	1.76	0.66	2.41	1.08	0.11
Fam162a	family with seque	2	1	364.14	0.04	7.60	125.90	0.03	0.02	382.63	348.41	0.11
Fam184b	family with seque	1	1	26.74	15.81	46.71	0.02	25.21	101.14	14.88	0.02	0.11
Fam49b	family with seque	65	6	1124.16	5189.69	3803.84	9280.55	719.08	740.81	398.86	274.03	214.54
Fam83b	family with seque	6	4	1857.31	716.04	278.73	19.55	1154.64	42.56	151.57	228.33	52.89
Fau	Finkel-Biskis-Rei	13	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	46.09

Fbl	fibrillarin Gene	75	6	3242.24	179.78	1939.05	354.70	1965.71	1432.19	1452.32	1722.03	271.14
Fdps	farnesyl diphospl	3	1	98.53	115.66	868.51	69.95	89.03	67.87	56.30	61.70	68.38
Fermt3	fermitin family hc	36	5	455.58	342.81	4235.10	152.57	696.98	1333.37	75.83	244.80	613.48
Fezf1	Fez family zinc fi	1	1	22.20	283.42	444.85	0.02	0.03	0.02	0.02	0.02	0.11
Fgb	fibrinogen beta c	1	1	7.08	0.04	5.59	62.27	8.16	56.38	21.29	42.00	248.79
Fh1	fumarate hydrata	66	7	552.44	1505.06	1608.43	2160.19	871.86	814.24	544.62	508.22	23.42
Fis1	fission 1 (mitoch	4	1	0.03	0.04	9.40	0.02	16.67	39.28	4.93	9.43	383.36
Fkbp1a	FK506 binding p	8	1	516.89	0.04	52.75	1923.19	589.09	256.41	5.20	0.02	5.03
Fkbp2	FK506 binding p	23	3	894.11	364.85	0.04	33.87	518.76	321.06	404.21	403.97	7780.78
Flna	filamin, alpha Ge	75	11	2949.04	3399.77	2857.26	4363.98	3544.26	2999.45	856.67	773.45	2518.66
Fmnl1	formin-like 1 Ger	10	5	222.45	71.49	2978.40	252.15	314.96	233.97	311.91	286.86	3013.13
Fth1	ferritin heavy cha	12	1	0.03	0.04	0.04	15.77	408.63	273.42	0.02	0.02	19.06
Ftl1	ferritin light chair	25	4	187.81	127.43	0.04	1033.76	46.50	85.22	462.03	250.13	225.92
G6pdx	glucose-6-phosp	10	2	17.79	246.54	343.43	1520.63	48.43	65.17	3.04	6.96	36.64
Galc	galactosylcerami	3	3	0.03	0.04	0.04	95.18	0.03	0.02	0.02	19.76	47.58
Ganab	alpha glucosidas	12	6	563.61	511.31	3696.30	1386.61	1675.27	1871.80	1145.99	965.70	2040.85
Gapdh	glyceraldehyde-3	13	10	2867.29	7.34	308.05	7.92	2838.76	1757.93	3.40	6.10	3175.93
Gars	glycyl-tRNA synt	30	2	1111.21	591.82	61.91	505.11	591.80	663.27	1446.43	1490.31	88.01
Gatad2b	GATA zinc finger	2	1	1044.66	9.00	12.87	273.56	220.07	99.37	0.02	0.02	0.11
Gcn1l1	GCN1 general c	34	4	3342.37	2685.46	8521.55	2448.27	6079.79	5277.21	1955.26	1845.62	656.00
Gdi1	guanosine dipho	1	1	0.98	24.80	0.04	4.24	2.15	3.17	0.02	0.02	101.90
Gdi2	guanosine dipho	61	6	326.46	586.94	265.00	2009.76	784.84	780.57	466.86	424.86	120.93
Gfm1	G elongation fac	7	2	10.01	30.48	0.04	8.27	60.38	24.93	43.57	34.96	164.66
Gga2	golgi associated,	1	1	17.40	125.67	0.04	0.02	13.71	6.30	0.02	6.21	0.11
Gja5	gap junction prot	1	1	1.68	0.04	12.89	0.02	0.03	76.74	203.13	126.65	998.77
Glrx	glutaredoxin Ger	2	1	1237.05	24.26	15.65	0.02	85.99	74.80	53.52	72.42	0.11
Glrx3	glutaredoxin 3 G	11	1	0.03	327.70	613.25	677.03	0.03	0.02	3.75	0.02	0.11
Glrx5	glutaredoxin 5 hc	10	2	932.33	1131.76	24.36	368.40	580.57	1015.32	1042.29	225.18	611.71
Gls	glutaminase Ger	27	6	324.76	522.06	0.12	309.27	849.23	885.40	370.39	297.78	617.47
Glt25d1	glycosyltransfera	14	5	829.37	188.70	72.33	332.05	1053.21	1212.91	1138.40	953.43	884.05
Glud1	glutamate dehyd	233	18	1356.09	2392.33	1947.42	892.00	5375.88	6593.04	4502.85	3936.89	5015.67
Gm4802	predicted gene 4	2	2	16.71	15.76	32.57	0.02	26.54	2.53	6.67	8.76	48.70
Gm5138	predicted gene 5	2	2	57.72	44.32	41.15	7.70	1.63	26.10	27.20	6.79	389.30
Gm6588	predicted gene 6	2	2	1424.67	0.04	0.04	0.02	0.03	0.02	0.02	0.02	85.28
Gm88	predicted gene 8	6	3	97.64	263.01	24.24	0.02	10.74	0.02	7.09	0.02	0.11
Gm8909	predicted gene 8	4	2	360.65	198.17	81.64	0.02	116.37	67.24	71.45	39.56	342.29
Gm973	predicted gene 9	3	3	9.62	0.04	25.66	0.02	7.79	2.63	0.02	0.02	25.24

Gnai2	guanine nucleoti	98	4	4167.09	3340.39	668.38	2361.04	1819.25	2236.99	4798.37	4595.79	304.73
Gnb2	guanine nucleoti	10	1	144.27	149.19	186.61	0.02	83.99	113.49	31.37	132.44	21.22
Gnb2l1	guanine nucleoti	27	4	1212.34	832.93	689.15	390.23	1946.76	1614.48	1738.35	1627.27	944.60
Gng2	guanine nucleoti	12	1	3.73	0.04	74.65	21.97	231.57	213.52	30.86	18.54	71.63
Gnmt	glycine N-methyl	2	1	0.03	0.04	0.04	176.72	0.03	6.57	81.64	111.36	28.58
Got2	glutamate oxaloa	144	7	2568.14	4683.00	39.96	448.47	5326.01	6346.83	9479.01	12432.26	46.95
Gp49a	glycoprotein 49 A	21	1	124.36	27.19	0.04	0.02	194.95	119.08	61.53	86.85	0.11
Gpd2	glycerol phospha	64	7	2093.57	2593.11	754.30	1804.86	405.40	468.95	1905.26	1972.36	295.82
Gpi1	glucose phospha	24	4	33.03	406.24	2821.68	557.49	96.13	29.24	91.61	59.95	121.80
Gpr84	G protein-couple	6	2	115.97	0.04	89.44	155.53	0.03	15.21	140.40	18.28	76.28
Gpx1	glutathione perox	8	2	5.38	0.04	0.04	4.83	38.59	0.02	0.02	44.12	21.60
Grpel1	GrpE-like 1, mito	46	2	816.56	269.60	0.04	236.20	32.38	67.64	385.16	558.13	92.06
Gsn	gelsolin Gene	64	6	323.85	88.71	22.05	775.29	1059.63	1312.36	127.80	125.64	672.59
Gsto1	glutathione S-tra	10	2	7.09	13.52	0.04	0.02	43.21	47.16	0.02	2.06	0.11
Gtdc1	glycosyltransfera	22	6	1909.43	5692.28	278.70	1366.25	2995.29	2941.03	7395.43	7765.40	74.14
Gucy1a2	guanylate cyclas	37	19	485.49	733.12	1535.70	723.90	8.40	19.15	5.54	1.34	453.51
Gusb	glucuronidase, b	117	9	772.85	9500.66	1016.18	537.35	3871.58	5154.26	5921.29	5743.43	1737.40
Gys2	glycogen synthas	1	1	0.03	0.04	14.99	0.02	0.03	0.02	0.02	1.21	10.08
H13	histocompatibility	50	2	192.15	163.10	0.04	0.02	678.59	442.45	128.06	190.81	523.27
H2-Ab1	histocompatibility	17	2	123.82	0.04	109.99	10.64	1167.55	1237.85	334.53	338.82	0.11
H2-Eb1	histocompatibility	7	1	48.82	25.97	33.17	61.97	254.80	120.75	217.06	219.82	0.11
H2-K1	histocompatibility	9	5	18.64	13.23	46.21	22.76	108.72	5.68	4.53	6.90	90.04
H2-L	histocompatibility	78	8	3249.98	1219.95	97.46	379.81	3146.02	4185.60	3309.12	3146.84	44.16
H2-Q1	histocompatibility	19	2	80.24	0.04	61.21	10.06	213.48	205.11	496.11	559.18	0.11
H2-T10	histocompatibility	2	2	41.47	91.41	0.04	8.81	27.41	48.59	25.43	41.24	164.58
H2-T18	histocompatibility	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
H2-gs10	MHC class I like	3	1	2281.01	295.45	0.04	963.06	945.27	524.97	0.02	0.02	0.11
H2afj	H2A histone fam	1761	3	4173.91	6598.56	11161.98	7164.42	723.35	572.00	1857.09	1982.15	262.75
H2afy	H2A histone fam	41	4	3414.84	1367.64	119.49	490.23	1125.77	854.75	5136.89	5061.41	41.05
Hadh	hydroxyacyl-Coe	8	1	418.62	16170.65	6967.07	7540.64	0.03	0.02	328.12	284.77	79.40
Hadha	hydroxyacyl-Coe	34	8	879.53	1217.05	1321.00	984.17	1195.45	959.72	606.30	823.84	1734.40
Hadhb	hydroxyacyl-Coe	58	3	133.77	13.34	49.49	28.44	671.48	427.18	102.39	33.20	52.48
Hat1	histone aminotra	1	1	5.00	0.04	0.04	0.02	23.93	39.83	375.24	471.61	7.10
Hbb-b1	hemoglobin, beta	33	2	81.55	69.17	0.04	0.02	939.35	815.52	244.64	203.38	0.11
Hck	hemopoietic cell	5	1	139.13	186.57	2.63	0.02	152.39	161.66	990.74	378.28	2461.97
Hcls1	hematopoietic ce	15	4	158.97	71.15	730.00	190.31	130.92	107.33	121.20	89.22	1334.47
Hdac1	histone deacetyla	38	4	273.04	568.12	328.29	1025.32	206.63	580.08	63.59	91.29	2377.97

Hdac2	histone deacetyla	8	1	533.49	2137.44	110.67	66.91	221.06	341.31	3.81	0.02	0.11
Hdlbp	high density lipop	7	1	62.17	96.43	133.02	2.05	53.07	57.00	8.86	3.78	9.69
Hebp1	heme binding pr	3	1	4.78	0.04	2373.08	0.02	9.86	3.76	9.72	0.02	0.11
Hexa	hexosaminidase	3	3	179.80	103.18	123.73	0.02	415.56	549.66	282.99	291.74	108.00
Hexb	hexosaminidase	21	1	106.08	0.04	10.81	0.02	1134.84	892.21	90.85	51.81	82.96
Hibadh	3-hydroxyisobuty	25	3	979.44	151.39	625.44	248.08	1355.91	859.18	42.40	15.88	169.33
Hibch	3-hydroxyisobuty	2	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	509.92
Hip1r	huntingtin interac	4	3	71.45	12.89	54.03	10.29	7.58	5.72	22.91	40.95	0.11
Hist1h1a	histone cluster 1	76	4	1555.87	1101.69	9.94	5.13	3319.45	2783.43	1490.07	1857.62	39.06
Hist1h2ba	histone cluster 1	3	1	211.58	402.47	544.33	460.31	75.50	53.67	110.88	132.35	1.28
Hist1h2bh	histone cluster 1	1173	6	3475.70	3561.15	16417.10	18497.43	2913.63	2761.35	2693.27	3356.32	108.68
Hist1h2bp	histone cluster 1	2	1	0.03	0.04	0.04	268.96	0.03	0.02	0.02	6.43	0.11
Hist1h4f	histone cluster 1	3355	12	6973.40	7838.98	8080.77	2595.97	10975.67	8407.31	5114.90	5047.27	8341.96
Hist2h2ab	histone cluster 2	9	2	0.03	0.04	1016.69	55.55	0.03	0.02	0.02	5.67	4.66
Hist2h2bb	histone cluster 2	3	3	2.55	7.70	0.35	1.71	0.24	3.36	1.24	2.64	15.76
Hist3h2ba	histone cluster 3	1	1	10.14	5.10	2.73	12.09	1.51	5.25	3.32	3.99	26.80
Hk1	hexokinase 1 Ge	5	4	1813.52	1641.80	1300.77	1439.58	1645.64	3064.54	219.51	150.29	4.58
Hk2	hexokinase 2 Ge	2	1	161.05	0.04	0.04	0.02	0.03	23.11	600.69	511.76	0.11
Hmga1	high mobility gro	30	1	249.41	198.61	73.26	0.02	70.84	38.31	38.81	15.16	156.28
Hmox2	heme oxygenase	15	5	3033.49	2710.87	696.11	240.42	725.89	836.32	374.68	395.87	207.25
Hnrnpa0	heterogeneous r	4	1	928.55	384.77	15.96	41.52	56.91	107.82	972.93	944.55	0.11
Hnrnpa1	heterogeneous r	2	2	1040.94	196.83	5856.89	599.18	1124.18	400.78	6.32	31.58	519.54
Hnrnpa2b1	heterogeneous r	73	6	1487.91	1769.43	650.24	1581.42	4158.53	3996.31	2528.41	3021.07	4558.62
Hnrnpab	heterogeneous r	39	3	48.74	0.04	389.13	20.76	307.19	348.65	1167.98	859.50	0.11
Hnrnpc	heterogeneous r	25	3	1967.69	1160.56	302.42	2001.55	0.03	19.54	767.04	402.15	50.89
Hnrnpd	heterogeneous r	37	5	92.30	35.99	538.95	892.15	186.61	422.82	530.96	305.91	62.92
Hnrnpf	heterogeneous r	80	3	2655.91	1411.20	815.64	1346.01	264.95	365.95	2269.34	2526.07	164.23
Hnrnph1	heterogeneous r	21	1	793.66	43.37	343.73	0.02	0.03	0.02	797.41	846.59	0.11
Hnrnph2	heterogeneous r	2	1	0.03	13.76	69.34	608.23	0.03	0.02	10.57	11.91	0.11
Hnrnpk	heterogeneous r	37	5	316.47	4874.62	1054.94	6807.38	2.37	9.55	15.15	19.80	10.80
Hnrnpl	heterogeneous r	107	8	2031.05	2757.77	1010.58	1390.34	1716.08	1156.31	425.98	462.71	47.09
Hnrnpm	heterogeneous r	117	9	3435.11	3693.80	2041.16	4110.26	4017.91	4630.71	1044.34	827.28	1393.39
Hnrnpr	heterogeneous r	3	1	33.00	0.04	70.64	28.87	322.62	212.74	4.70	9.60	0.11
Hnrnpu	heterogeneous r	97	5	2125.42	1054.86	208.37	1919.44	1301.08	1561.69	2291.40	2358.91	2226.44
Hnrnpul2	heterogeneous r	1	1	0.03	5192.02	4133.06	2444.83	0.03	0.02	0.02	0.02	0.11
Hoxc8	homeobox C8 G	5	5	11.68	0.04	49.02	221.15	0.87	9.28	9.43	12.07	27.01
Hp1bp3	heterochromatin	14	2	634.73	480.90	1551.80	882.62	1297.50	1005.23	458.37	431.55	3452.47

Hpgds	hematopoietic pr	8	1	1200.15	113.29	119.46	0.02	323.72	215.65	7.76	0.02	0.11
Hrasls5	HRAS-like suppr	4	1	0.03	4.81	18.81	0.02	0.03	4.73	372.88	447.48	117.65
Hsd17b10	hydroxysteroid (1	35	5	699.45	582.94	232.77	1349.76	153.44	267.36	819.39	954.54	1553.05
Hsd17b11	hydroxysteroid (1	1	1	0.15	0.04	0.04	232.65	0.03	0.02	3.14	0.02	23.77
Hsd17b12	hydroxysteroid (1	29	3	1994.78	2253.82	260.76	630.77	52.93	33.67	510.42	636.62	13.85
Hsd3b2	hydroxy-delta-5-s	9	3	491.14	177.15	188.16	2.66	374.95	76.55	28.86	0.65	2.37
Hsf1	heat shock facto	2	1	0.03	0.04	0.04	14.78	0.03	0.02	5.22	0.02	962.96
Hsp90aa1	heat shock prote	89	10	97.18	138.56	253.93	3282.23	331.37	684.49	2920.33	3094.15	1103.67
Hsp90ab1	heat shock prote	494	21	13563.08	18619.06	8451.87	13415.13	18856.03	22823.69	25584.20	23119.96	30746.23
Hsp90b1	heat shock prote	532	29	10556.46	6791.18	7602.05	12868.32	11405.50	12905.31	14722.04	15350.89	4055.01
Hspa1a	heat shock prote	1	1	104.93	182.33	52.50	0.02	69.54	26.27	1.49	0.47	0.11
Hspa4	heat shock prote	19	6	169.74	143.91	270.89	1179.10	104.69	123.97	75.56	127.76	651.30
Hspa5	heat shock prote	2840	41	6049.95	5776.73	10691.34	10692.45	15294.85	16106.59	21691.82	26022.02	19954.28
Hspa8	heat shock prote	629	22	15677.39	15690.16	7614.45	9453.54	29482.81	28149.68	19813.64	20025.51	35039.23
Hspa9	heat shock prote	1011	25	12755.61	9940.00	15812.15	6414.47	19475.15	18501.88	11781.43	11584.61	13206.74
Hspd1	heat shock prote	504	24	7487.23	5460.59	6701.30	3223.74	12740.73	20320.69	11268.08	6475.91	6587.98
Hspe1	heat shock prote	179	5	1433.05	641.33	398.46	255.24	6839.28	6088.66	2151.33	2436.64	1145.93
Hyou1	hypoxia up-regul	102	12	318.57	337.34	5342.98	6531.20	586.90	1676.09	657.23	512.45	1314.01
Iars2	isoleucine-tRNA	4	3	997.95	595.57	0.59	0.82	639.34	596.42	1654.81	1472.33	0.11
Idh2	isocitrate dehydr	88	10	473.92	447.92	40.16	107.00	1592.61	1581.75	732.87	1108.40	1100.02
Idh3a	isocitrate dehydr	83	5	1375.64	561.84	69.23	136.60	2321.25	2016.08	1599.54	1660.00	100.63
Idh3b	isocitrate dehydr	53	6	1591.87	1167.43	20.94	565.23	213.26	44.52	1637.27	1553.06	585.31
Idh3g	isocitrate dehydr	6	1	262.78	0.04	53.18	0.02	0.03	0.02	438.52	663.22	0.11
Ifi203	interferon activat	5	2	598.41	263.94	447.04	75.88	584.02	417.04	59.32	45.62	42.87
Ifi204	interferon activat	9	2	71.33	312.67	0.04	0.02	25.95	14.92	10.01	0.02	28.17
Ifi44	interferon-induce	2	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Ifit1	interferon-induce	3	2	347.79	1001.29	1162.56	358.19	340.77	286.42	191.72	228.91	1972.04
Ifitm3	interferon induce	2	1	0.03	0.04	2.90	0.02	0.03	0.02	0.02	0.02	0.11
Il4i1	interleukin 4 indu	1	1	0.03	0.04	178.07	137.58	1.56	1.95	0.02	0.02	3.45
Immt	inner membrane	90	13	420.79	2325.15	422.16	927.98	2142.30	2064.42	443.08	640.38	1647.85
Ino80d	INO80 complex s	1	1	18.30	0.04	0.04	111.60	9.95	0.02	6.47	0.02	135.26
Inpp4a	inositol polyphos	6	1	558.32	39.84	0.04	2908.62	390.69	71.30	0.02	0.02	0.11
Inpp5d	inositol polyphos	11	4	46.58	67.35	502.67	788.13	82.56	94.77	126.66	272.08	732.31
Ipo5	importin 5 Gene	2	1	188.68	34.52	14.76	0.02	25.66	38.87	118.71	172.71	6.01
Iqgap1	IQ motif containi	224	24	3637.66	1899.56	2438.37	2163.97	2080.45	1375.22	2013.14	2869.12	6390.58
Irg1	immunoresponsi	81	12	5482.93	5686.83	6291.86	1168.17	2142.02	2213.04	4076.07	3967.88	4591.97
Isg15	ISG15 ubiquitin-l	4	1	389.94	22.43	0.04	0.02	0.03	0.02	289.49	272.06	1.09

Itgam	integrin alpha M	64	8	3200.98	1963.28	375.02	948.99	2152.16	457.27	1284.29	1628.77	956.60
Itgb1	integrin beta 1 (fi	3	3	83.64	3994.15	30.08	1135.46	4.20	41.11	13.17	16.86	192.14
Itgb2	integrin beta 2 G	81	5	787.64	1001.67	1755.18	2132.15	1086.54	905.29	1322.09	1611.83	0.89
Itpr2	inositol 1,4,5-trip	50	20	335.73	581.43	1224.97	622.20	17.16	15.23	2.50	0.32	364.75
Itsn1	intersectin 1 (SH	1	1	38.49	73.02	0.04	0.02	8.45	22.69	13.38	10.18	0.11
Jph3	junctophilin 3 Ge	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	6.61
Kars	lysyl-tRNA synth	1	1	88.00	40.89	0.04	1.96	63.91	1.38	574.64	507.20	48.95
Kcnh5	potassium voltag	1	1	0.03	0.04	0.04	0.02	0.03	5.37	0.02	0.02	0.11
Kcnk10	potassium chanr	1	1	412.56	357.39	80.29	0.02	502.75	379.75	249.91	233.13	2748.49
Kcnt1	potassium chanr	8	2	128.16	135.62	66.55	6627.47	326.19	1229.61	3307.04	2147.53	4411.61
Khdrbs1	KH domain conta	14	2	34.11	304.10	16.27	481.86	32.51	0.02	0.02	0.02	22.49
Khsrp	KH-type splicing	15	2	46.36	0.04	0.04	16.38	6.24	143.42	110.37	62.66	162.48
Klhl4	kelch-like 4 (Dros	2	2	0.03	0.04	0.04	0.02	0.03	12.90	2721.09	2299.96	0.11
Kpnb1	karyopherin (imp	43	7	1533.31	1173.66	1247.39	1169.05	337.14	286.82	951.43	573.73	608.12
Lamp2	lysosomal-assoc	49	6	262.63	142.90	118.71	36.66	1231.94	1220.35	857.21	1009.53	263.44
Lars	leucyl-tRNA synt	10	2	0.43	19.02	0.04	26.58	118.74	126.00	12.75	3.28	71.32
Lasp1	LIM and SH3 pro	9	3	0.03	0.04	8.40	51.88	26.67	0.02	14.87	15.04	1121.10
Lbr	lamin B receptor	19	3	176.47	102.87	202.42	40.39	134.79	186.01	930.36	463.75	27.70
Lcp1	lymphocyte cytos	568	25	3421.40	2164.19	9994.76	18074.70	5895.39	6298.14	8295.01	8291.81	11408.86
Ldha	lactate dehydrog	118	10	1505.30	2313.50	1822.13	2854.96	5523.78	5670.06	4077.50	4840.96	782.94
Letm1	leucine zipper-El	15	3	4.53	27.46	325.09	317.32	600.46	360.18	271.49	135.35	1217.70
Lgals1	lectin, galactose	125	2	192.08	144.59	1543.70	960.73	26.28	20.02	14.56	96.82	1311.03
Lgals3	lectin, galactose	12	4	103.23	291.36	1963.96	5576.50	93.59	82.20	64.90	129.24	1438.78
Lingo3	leucine rich repe	1	1	539.42	128.10	0.04	0.02	144.94	228.59	326.88	255.64	0.11
Lipa	lysosomal acid li	3	1	0.03	4.57	758.72	0.02	129.95	97.79	1.64	15.65	845.82
Lman1	lectin, mannose-	3	1	568.30	992.22	0.04	0.02	0.03	0.02	0.02	0.02	130.72
Lmf2	lipase maturation	23	3	390.27	534.12	535.91	1454.75	1002.15	566.93	572.00	348.08	66.22
Lmna	lamin A Gene	251	9	2102.89	2948.81	816.53	657.53	3377.87	4513.89	4113.00	4601.94	425.47
Lmnb1	lamin B1 Gene	98	6	1781.48	1776.42	1723.33	1029.47	308.05	776.15	2148.12	2291.62	2149.49
Lnpep	leucyl/cystinyl an	5	2	568.67	582.84	70.45	149.89	1.67	54.05	13.82	0.99	1985.07
Lonp1	lon peptidase 1,	93	6	575.08	957.55	127.73	1176.12	1654.90	1123.22	911.36	1248.59	1559.56
Lpcat3	lysophosphatidyl	4	1	0.03	118.29	56.32	34.62	91.34	42.31	0.02	0.02	158.60
Lphn3	latrophilin 3 Gen	45	1	75.35	70.39	0.04	0.02	169.08	158.39	90.59	47.04	1102.44
Lrat	lecithin-retinol ac	7	7	103.68	302.63	429.91	0.81	37.19	170.41	51.79	18.40	94.05
Lrpap1	low density lipop	21	2	2280.31	1741.48	0.04	42.06	350.99	269.10	579.24	695.66	13.69
Lrpprc	leucine-rich PPR	45	8	2004.39	694.49	113.99	4423.09	1945.35	1831.91	1014.08	928.15	327.41
Lrrc59	leucine rich repe	79	9	3564.45	1275.01	451.06	157.32	5387.34	4510.04	2291.73	2101.04	430.16

Lrrc68	leucine rich repe	9	3	24.27	665.32	929.64	0.02	6.77	0.02	26.24	33.03	681.37
Lrrfip1	leucine rich repe	5	2	86.71	0.04	3.53	1.30	0.03	5.85	0.02	0.02	6.69
Lsp1	lymphocyte spec	19	3	35.59	77.52	58.58	403.52	101.72	17.92	47.85	28.53	1014.87
Luc7l	Luc7 homolog (S	5	1	2.53	3.08	3.35	7.09	1.22	1.07	4.20	5.64	0.11
Luc7l2	LUC7-like 2 (S. c	9	1	33.71	12.27	116.74	28.31	18.51	30.42	29.38	26.84	6.81
Lyn	Yamaguchi sarc	23	3	150.28	70.08	23.32	135.79	525.85	441.29	84.00	100.99	11.95
M6pr	mannose-6-phos	20	2	3497.12	577.51	4.25	39.95	0.03	31.04	624.78	375.95	0.11
Magi1	membrane asso	5	3	0.03	614.17	584.25	1163.77	13.05	279.66	711.13	139.14	43.71
Manf	mesencephalic a	29	5	714.83	455.56	343.50	2143.06	382.35	641.65	1097.57	990.04	297.84
Marcksl1	MARCKS-like 1	4	1	35.87	215.34	57.91	0.02	0.03	1.17	0.02	0.02	0.11
Mars	methionine-tRNA	7	1	180.83	169.76	0.04	329.57	909.10	845.76	258.94	108.72	126.13
Matr3	matrin 3 Gene	9	2	69.93	154.60	55.89	64.82	34.84	32.79	386.95	166.05	26.41
Mcm3	minichromosome	9	2	300.75	1489.44	243.96	167.07	153.31	85.25	18.72	36.12	1209.47
Mcm7	minichromosome	1	1	169.52	144.31	0.04	150.60	214.92	171.53	222.79	211.12	0.11
Mcoln3	mucolipin 3 Gen	1	1	11.45	0.04	132.74	0.02	105.38	61.33	44.05	52.51	4648.20
Mdh1	malate dehydrog	10	3	230.77	275.87	136.04	16.61	672.13	722.21	477.29	483.48	120.19
Mdh2	malate dehydrog	1283	11	16246.13	7463.84	3356.68	3394.62	4788.26	4955.32	17897.57	19956.40	3083.47
Me2	malic enzyme 2,	20	1	0.03	235.95	455.89	0.02	0.03	40.77	526.50	342.67	291.37
Mett10d	methyltransferas	2	2	0.03	0.04	2.03	13.37	4.68	35.70	3.13	11.87	0.11
Mfge8	milk fat globule-E	20	1	699.17	1622.99	1658.51	1586.36	634.00	586.12	311.18	413.43	232.28
Mfn2	mitofusin 2 Gene	5	5	111.34	897.40	1353.58	0.02	135.26	504.10	7.49	0.02	0.11
Mfsd10	major facilitator s	6	2	437.69	365.28	40.52	316.74	659.90	788.44	485.27	859.31	44.15
Mgl2	macrophage gal	20	4	2170.38	1978.23	247.46	447.53	134.02	13.25	1514.60	1408.63	49.15
Mif	macrophage mig	31	1	54.71	55.82	43.81	189.45	96.58	57.82	739.12	905.17	44.64
Mkl2	MKL/myocardin-	3	3	0.03	571.43	0.04	268.10	9.12	0.02	1223.08	1609.60	0.11
Mlec	malectin Gene	2	1	146.55	11.89	0.04	97.99	39.76	42.56	0.02	0.02	0.11
Mocs1	molybdenum cof	1	1	0.90	7.31	8.64	30.15	4.29	101.34	126.80	5.40	0.11
Mogs	mannosyl-oligos	8	3	1046.53	247.58	450.31	15.95	248.86	142.73	35.63	33.20	449.33
Mpeg1	macrophage exp	48	5	4514.56	1826.14	2169.56	135.38	1172.55	1009.43	1344.30	1314.63	0.59
Mpp6	membrane prote	2	2	332.15	543.42	499.86	257.60	450.50	462.12	102.50	121.90	1566.29
Mrpl39	mitochondrial rib	1	1	385.79	56.36	0.04	14.90	106.33	182.33	240.52	318.85	0.11
Mrps10	mitochondrial rib	31	5	237.08	123.82	313.49	67.22	342.65	771.06	83.17	52.89	581.56
Mrps27	mitochondrial rib	3	1	85.69	25.53	0.04	0.02	89.83	51.65	60.07	51.94	287.77
Mrps36	mitochondrial rib	23	3	2022.76	60.23	233.44	51.06	41.80	94.52	1473.70	1289.45	0.11
Mrps5	mitochondrial rib	2	1	74.73	0.04	9.48	0.02	0.03	1.77	77.62	85.30	0.11
Mrps7	mitchondrial ribo	2	1	628.41	394.35	60.89	35.14	672.71	522.69	384.79	378.36	11.19
Msn	moesin Gene	525	16	739.09	981.51	4100.76	1670.60	3478.98	3924.42	2188.97	1967.69	3101.30

Msr1	macrophage sca	2	1	0.03	0.04	0.04	0.02	0.03	0.02	17.71	6.82	0.11
Mtap	methylthioadeno	45	5	191.38	291.78	2150.52	1302.72	395.69	442.40	318.55	440.53	10.08
Mtch2	mitochondrial ca	24	3	149.63	36.15	72.30	14.67	189.75	383.94	623.07	159.50	16.00
Mthfd1	methylenetetrahy	2	2	59.57	65.53	85.30	349.85	76.43	49.54	21.12	88.14	4991.94
Mthfd1l	methylenetetrahy	85	12	368.37	454.22	222.81	333.34	677.48	897.56	1659.69	1622.87	509.21
Mthfd2	methylenetetrahy	13	3	544.56	184.17	35.72	126.68	276.54	328.94	354.29	348.67	263.91
Mtpn	myotrophin Gene	4	1	0.03	384.66	1038.05	28.95	13.35	0.02	0.02	0.02	0.11
Mttp	microsomal trigly	16	2	763.93	1047.12	90.03	227.63	1271.60	1119.77	287.26	377.86	110.75
Mvp	major vault prote	16	2	1835.59	783.71	220.65	703.14	3536.70	2711.43	1278.63	1271.66	18.78
Mybbp1a	MYB binding pro	26	5	451.61	219.99	648.19	963.91	1109.65	1471.54	217.24	79.89	7750.84
Myh10	myosin, heavy p	9	6	4099.51	7096.19	390.10	475.70	1395.40	1251.38	1359.80	1767.66	69.90
Myh11	myosin, heavy p	4	3	33.40	0.04	2680.59	3055.06	90.67	55.26	24.99	37.78	118.90
Myh14	myosin, heavy p	5	3	37.34	108.68	22.62	0.02	78.13	76.09	31.61	29.77	280.14
Myh9	myosin, heavy p	895	49	36290.89	31711.67	27491.24	51850.38	10281.49	10087.66	19902.52	20447.08	5209.95
Myl12b	myosin, light cha	9	1	817.01	169.07	0.04	26.73	1.57	0.02	78.80	16.71	20.77
Myl6	myosin, light poly	94	7	3150.78	1449.98	2082.94	6043.30	236.62	390.18	988.06	996.96	161.66
Myo1c	myosin IC Gene	7	2	0.03	41.82	103.43	0.02	0.03	79.99	0.02	6.20	51.99
Myo1f	myosin IF Gene	22	4	1214.77	1566.57	184.75	854.92	961.66	171.71	302.07	350.63	0.11
Myo1g	myosin IG Gene	42	5	260.99	299.11	236.60	694.80	272.64	329.20	137.71	64.56	138.05
Myog	myogenin Gene	4	1	319.57	61.44	29.30	9.19	1034.52	942.91	274.85	257.41	481.57
Naa10	N(alpha)-acetyltr	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	8.65
Naca	nascent polypep	35	15	759.56	333.32	154.57	658.88	4955.60	4445.43	7997.58	7388.49	14655.54
Naga	N-acetyl galactos	13	3	12.50	26.54	0.04	3.54	149.94	123.08	90.16	117.82	0.11
Naglu	alpha-N-acetylgl	7	1	0.03	0.04	0.04	0.02	0.03	20.42	1423.60	538.93	0.11
Nap1l1	nucleosome ass	49	3	2060.32	1942.45	2493.83	1769.76	301.63	266.96	1457.66	1819.39	0.11
Nap1l4	nucleosome ass	5	2	68.08	21.08	203.03	191.50	5.85	14.06	99.75	90.99	8.55
Napa	N-ethylmaleimide	40	3	111.24	43.98	141.46	13.09	143.40	383.19	81.12	8.64	253.28
Nars	asparaginyl-tRN	23	2	175.66	0.04	53.35	33.23	51.88	37.26	628.89	552.76	2.97
Nceh1	arylacetamide de	4	2	0.03	0.04	49.74	19.47	0.03	22.47	0.02	0.02	3036.51
Ncf1	neutrophil cytosc	9	2	436.16	1825.95	55.66	200.40	613.00	477.93	277.20	297.92	236.19
Nckap1	NCK-associated	18	5	210.77	25.67	0.04	1777.42	443.26	1807.19	689.56	271.41	379.86
Ncl	nucleolin Gene	227	14	3238.78	3218.08	5285.56	5179.68	3778.90	3805.01	5722.59	5657.57	339.21
Ncor1	nuclear receptor	337	13	6042.23	7668.22	6732.76	4501.83	6853.48	5773.22	3755.65	3364.27	23029.24
Ncstn	nicastrin Gene	4	1	436.36	412.26	15.07	16.39	8.75	0.02	177.65	104.34	28.22
Ndc80	NDC80 homolog	1	1	0.03	7.15	0.04	47.70	3.71	0.02	0.02	0.02	377.42
Ndrg1	N-myc downstrea	4	1	0.03	0.04	0.04	0.02	0.03	0.02	2.30	0.02	0.11
Ndufa11	NADH dehydrog	3	1	42.46	0.04	72.84	0.02	234.90	103.71	70.31	85.45	0.11

Ndufa13	NADH dehydrog	4	1	0.03	15.41	0.04	0.02	61.65	59.87	0.02	0.02	0.11
Ndufa2	NADH dehydrog	5	1	0.03	0.04	283.44	0.02	0.03	15.94	11.99	0.02	0.11
Ndufa4	NADH dehydrog	50	1	147.52	377.31	138.73	91.25	1224.76	948.44	89.54	186.53	32.55
Ndufa8	NADH dehydrog	1	1	89.77	840.11	0.04	20.04	18.53	9.20	0.02	0.02	0.11
Ndufa9	NADH dehydrog	1	1	0.03	20.82	0.04	43.41	0.03	0.02	2.47	0.02	13.44
Ndufb10	NADH dehydrog	37	2	33.81	18.02	233.51	51.95	797.02	779.55	58.23	161.56	32.96
Ndufb11	NADH dehydrog	6	1	0.03	0.04	0.04	0.02	0.03	32.65	6.21	8.61	17.45
Ndufb5	NADH dehydrog	1	1	0.03	0.04	80.58	0.02	0.03	0.02	31.60	0.02	82.48
Ndufc2	NADH dehydrog	1	1	121.40	92.54	0.04	0.02	291.48	271.99	107.61	224.18	294.46
Ndufs1	NADH dehydrog	35	5	536.01	433.95	1859.59	439.69	219.53	88.05	238.61	239.46	979.25
Ndufs3	NADH dehydrog	23	5	139.30	103.13	86.84	346.79	130.88	136.65	39.88	137.97	1232.44
Ndufs4	NADH dehydrog	3	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	55.62
Ndufs8	NADH dehydrog	3	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Ndufv1	NADH dehydrog	2	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	28.29
Ndufv2	NADH dehydrog	3	2	120.65	460.33	15.27	429.94	55.81	37.42	42.24	60.80	118.55
Nfatc1	nuclear factor of	3	2	0.03	0.04	3448.49	0.02	0.03	0.02	0.02	0.02	431.52
Nlrp2	NLR family, pyrir	7	3	2.35	0.53	0.04	0.02	95.22	65.99	0.02	0.02	22.40
Nme1	non-metastatic c	3	1	0.03	0.04	792.49	0.02	0.03	0.02	0.02	0.02	1.39
Nme2	non-metastatic c	10	4	179.40	41.04	3367.60	149.81	33.28	62.04	110.86	153.53	19.47
Nono	non-POU-domai	26	2	375.03	2234.26	675.29	857.92	863.24	855.13	993.26	1578.76	197.59
Nop56	NOP56 ribonucle	44	6	295.97	999.61	556.03	1437.23	274.47	669.23	1317.67	1461.77	1347.79
Nop58	NOP58 ribonucle	11	3	1600.93	190.65	207.83	21.76	119.11	84.51	68.76	137.27	89.59
Npc1	Niemann Pick ty	4	1	111.93	55.24	1824.37	0.02	51.15	51.41	69.13	118.77	713.03
Nploc4	nuclear protein lo	1	1	385.47	268.18	502.64	266.98	157.49	202.13	280.89	352.62	119.80
Npm1	nucleophosmin 1	87	9	2120.76	3824.44	1535.89	5545.29	33.65	30.90	1594.96	1958.33	111.47
Nsfl1c	NSFL1 (p97) cof	6	2	4.08	65.02	5605.46	46.54	3.09	47.65	13.09	1.39	75.22
Nsun2	NOL1/NOP2/Sur	3	1	0.03	31.45	0.04	0.02	628.01	533.95	13.10	20.47	0.11
Nucb2	nucleobindin 2 G	15	2	27.77	88.01	375.60	1261.34	200.15	91.26	60.05	77.36	5.38
Nup133	nucleoporin 133	1	1	0.03	0.04	0.04	1.02	0.03	0.02	0.02	0.02	0.11
Oas1g	2'-5' oligoadenyla	27	2	1359.86	1020.08	26.31	385.86	995.19	1419.05	2939.81	3053.11	54.56
Oas3	2'-5' oligoadenyla	37	3	1099.46	159.29	30.34	0.02	495.77	425.20	978.09	1184.45	315.40
Oasl1	2'-5' oligoadenyla	5	3	171.27	889.83	2215.21	146.42	490.02	450.13	213.62	309.60	893.83
Oat	ornithine aminotr	76	8	2099.22	2665.19	2524.48	2450.71	1968.47	1502.45	1112.75	1209.05	3277.93
Obscn	obscurin, cytoske	3	3	0.03	311.38	836.20	0.02	0.03	0.02	0.02	0.02	0.11
Oc90	otoconin 90 Gen	15	8	845.75	11.03	107.91	20.58	1046.63	20.64	0.02	2.10	113.39
Ociad1	OCIA domain co	15	1	150.98	0.04	0.04	0.69	46.58	132.53	3.44	0.02	0.11
Odz1	odd Oz/ten-m ho	2	2	499.69	647.54	97.94	0.02	62.96	23.08	0.59	6.53	13.88

Ogdh	oxoglutarate deh	49	7	1755.26	686.25	1353.78	515.37	283.70	143.62	1020.48	1265.08	3553.17
Oip5	Opa interacting p	3	1	195.27	146.95	43.74	250.69	1048.57	914.36	182.03	203.19	1204.79
Ola1	Obg-like ATPase	5	1	0.03	5.93	99.38	12.28	0.03	2.48	42.22	32.25	23.90
Olfr1313	olfactory recepto	2	2	165.17	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Olfr1389	olfactory recepto	17	16	150.10	233.25	434.83	16.77	0.47	0.02	0.02	0.58	3.16
Olfr599	olfactory recepto	3	3	22.91	366.48	155.36	0.02	0.03	0.02	0.02	0.02	0.11
Olfr644	olfactory recepto	20	18	568.12	653.88	1560.84	748.35	5.67	12.23	4.00	1.44	632.37
Olfr645	olfactory recepto	2	1	2.12	0.04	0.04	34.89	0.03	10.02	1.41	14.45	0.11
Olfr65	olfactory recepto	12	12	70.82	104.64	234.08	674.29	0.03	4.98	0.02	1.91	212.49
Olfr695	olfactory recepto	2	1	319.76	151.85	0.04	0.02	758.30	806.97	149.08	112.47	0.11
Osbpl8	oxysterol binding	54	6	858.38	236.47	71.32	157.82	673.92	719.32	279.68	305.95	25.30
Ostf1	osteoclast stimul	3	1	8.65	12.87	1628.49	6.97	0.59	3.39	3.10	0.66	2.44
Oxct1	3-oxoacid CoA tr	1	1	6.92	0.04	0.04	20.99	25.51	21.60	371.89	408.27	0.11
Oxsm	3-oxoacyl-ACP s	1	1	15.17	4.32	15.52	0.02	4.21	0.02	11.15	1.01	0.11
P4hb	prolyl 4-hydroxyl	334	16	508.29	787.92	11100.61	3206.66	5276.82	6131.19	5147.16	6374.24	2106.81
Pa2g4	proliferation-asso	20	2	46.80	394.28	63.22	278.39	433.61	304.12	40.47	45.42	276.14
Pabpc1	poly(A) binding p	84	8	130.38	321.91	181.61	65.23	504.81	464.48	1240.74	1212.21	2677.19
Pabpc2	poly(A) binding p	2	2	4437.22	1470.16	315.46	260.15	89.72	139.85	2324.53	2203.61	413.40
Pabpc6	poly(A) binding p	1	1	0.03	0.32	0.04	0.02	0.28	0.02	0.02	0.02	0.11
Pak2	p21 protein (Cdc	9	1	0.03	32.42	7.82	378.07	0.03	0.02	0.02	4.12	0.11
Pappa	pregnancy-assoc	12	1	71.12	94.03	0.04	0.02	153.73	101.02	62.25	33.40	276.40
Park7	Parkinson diseas	8	1	0.03	473.27	112.93	278.09	484.14	351.10	16.56	16.89	90.28
Pcbp1	poly(rC) binding	56	3	1371.38	435.68	85.86	2993.36	2021.66	2401.43	350.26	213.14	47.78
Pcdhb9	protocadherin be	3	3	13.79	19.19	51.29	24.97	79.00	113.06	10.65	6.28	238.13
Pck2	phosphoenolpyru	67	7	3301.89	1373.29	167.65	3105.78	6102.86	4942.25	1312.31	1442.67	779.61
Pdha1	pyruvate dehydro	40	3	12.76	45.83	3892.45	10.05	28.92	60.15	300.75	433.22	704.39
Pdhb	pyruvate dehydro	100	6	1500.48	1605.41	895.78	576.73	3076.62	2618.57	1580.83	1851.29	195.47
Pdia3	protein disulfide	339	20	3703.91	8092.15	2841.64	4517.37	8573.73	7054.51	4184.43	3987.88	15193.21
Pdia4	protein disulfide	127	10	1875.84	2250.53	2628.38	1138.72	4219.05	3870.30	2402.86	2595.72	4114.95
Pdia6	protein disulfide	299	9	3031.65	4734.89	1246.76	2922.43	12231.32	13440.34	9774.33	10694.14	6141.31
Pdk3	pyruvate dehydro	1	1	22.29	52.81	0.04	0.02	79.48	32.63	0.02	0.02	437.52
Pdpk1	3-phosphoinositi	4	3	470.80	2919.36	7520.21	2572.11	788.26	3288.97	3059.52	593.17	860.99
Pds5a	PDS5, regulator	10	1	23.97	27.59	6.15	0.02	26.98	2.73	0.24	0.02	0.11
Pebp1	phosphatidyletha	1	1	43.21	42.53	1604.73	0.02	547.00	260.41	0.02	0.02	0.11
Pex14	peroxisomal biog	2	1	483.25	142.17	152.08	0.02	160.45	1.12	6.83	0.98	0.11
Pfkp	phosphofructokir	30	3	697.28	160.47	6.04	47.89	418.11	393.59	1144.14	941.52	507.86
Pfn1	profilin 1 Gene	96	5	2776.98	1935.43	3568.10	6774.83	1218.19	1255.78	3439.08	3778.54	70.93

Pgam1	phosphoglycerat	88	7	3286.58	2511.67	6609.92	5025.43	1483.96	687.13	4380.14	5564.30	6052.70
Pgd	phosphoglucona	49	4	898.56	367.69	2397.15	2938.11	580.43	739.01	903.47	786.25	35.21
Pgk1	phosphoglycerat	221	14	1808.12	1504.90	3896.75	4411.46	3351.61	3340.81	5610.08	5181.18	1252.67
Pgk2	phosphoglycerat	7	2	246.66	125.87	34.73	64.36	224.46	240.69	288.17	296.42	4124.84
Pgrmc1	progesterone rec	1	1	339.89	573.29	0.04	18.35	0.03	0.02	0.02	0.02	0.11
Pgrmc2	progesterone rec	3	1	24.36	36.04	53.77	12.94	161.07	108.26	19.43	9.13	708.73
Pgs1	phosphatidylglyc	16	1	292.75	26.55	0.04	0.02	18.17	38.49	187.04	189.43	12.55
Phb	prohibitin Gene	181	9	4118.86	1015.11	1355.96	884.55	2408.65	2421.03	8717.92	8357.19	150.71
Phb2	prohibitin 2 Gene	101	6	3057.97	1543.72	1045.68	1603.14	4300.69	4402.11	1277.81	1243.71	215.34
Pign	phosphatidylinos	1	1	75.43	9.46	0.04	0.02	15.78	8.63	0.02	7.37	0.11
Pigs	phosphatidylinos	4	2	115.20	8.57	0.04	0.02	17.71	7.56	18.54	9.33	4.87
Pik3cd	phosphatidylinos	2	2	0.03	0.04	0.04	0.02	864.81	86.55	3.74	0.02	12.80
Pira3	paired-Ig-like rec	2	2	0.03	1.25	2.53	2.34	0.18	0.02	0.02	0.02	0.11
Pkm2	pyruvate kinase,	356	17	8138.81	15142.74	12137.43	16008.70	8314.48	6846.76	10033.13	11687.66	700.88
Pla2g4a	phospholipase A	4	2	236.17	121.03	11.56	5.92	185.20	52.10	29.08	28.48	93.44
Pld4	phospholipase D	9	4	1484.95	412.65	371.60	1087.98	914.77	55.46	790.84	618.39	1721.26
Plec1	plectin 1 Gene	303	51	9343.50	9734.31	13999.31	7178.45	18162.67	15926.19	8898.66	9477.27	3210.48
Plek	pleckstrin Gene	6	2	434.60	367.64	45.50	95.07	425.03	409.00	834.83	967.02	88.96
Plekhf1	pleckstrin homol	1	1	391.83	15.80	0.04	0.02	20.28	0.02	0.02	0.02	0.11
Plekho2	pleckstrin homol	9	2	36.27	4.74	8.58	0.07	25.29	13.49	0.19	0.02	207.66
Plod1	procollagen-lysin	11	1	239.67	218.21	631.70	678.53	1656.58	1546.51	421.10	537.05	741.93
Pls3	plastin 3 (T-isofo	3	2	1052.42	3204.35	0.04	696.97	491.30	1161.77	0.02	0.02	271.53
Pnp1	purine-nucleosid	2	2	126.27	1.54	0.04	82.23	0.84	2.69	315.08	470.23	87.57
Pnpt1	polyribonucleotid	7	3	730.56	8056.52	2273.60	3637.04	115.71	153.65	774.98	775.39	45.27
Pogk	pogo transposab	4	3	1.89	0.04	20.54	0.02	39.39	51.21	5.07	0.87	112.61
Polq	polymerase (DN	20	1	140.40	0.04	0.04	0.02	601.79	768.05	138.05	143.08	0.11
Por	P450 (cytochrom	64	5	1462.89	263.67	31.93	515.33	148.96	644.89	835.06	1071.38	27.55
Ppia	peptidylprolyl iso	101	6	901.59	835.34	3711.59	2889.63	2085.83	1885.72	4018.90	4039.73	601.18
Ppib	peptidylprolyl iso	1	1	763.28	801.59	190.56	547.16	755.24	607.81	217.48	458.24	329.49
Ppp1ca	protein phosphat	6	1	0.03	0.04	145.45	33.14	16.70	0.02	314.19	518.12	44.77
Ppp1cc	protein phosphat	10	2	1812.16	943.94	70.06	47.71	130.63	125.06	990.02	761.12	213.93
Ppp2r1a	protein phosphat	20	4	483.10	931.11	329.73	301.78	150.52	125.82	617.68	984.61	37.64
Prdx1	peroxiredoxin 1 (	232	8	250.74	536.95	841.84	2438.93	2532.63	2903.17	2220.81	2942.60	2185.41
Prdx2	peroxiredoxin 2 (	12	2	0.03	0.04	738.63	0.02	0.03	6.12	1.53	0.02	12.89
Prdx3	peroxiredoxin 3 (	15	1	26.39	105.74	0.04	51.14	422.84	272.30	24.86	76.41	690.93
Prdx4	peroxiredoxin 4 (	15	4	474.96	16.79	0.04	190.86	1430.20	2135.79	903.95	1063.58	59.77
Prdx5	peroxiredoxin 5 (	105	7	154.56	120.27	906.09	501.34	239.16	224.62	2067.99	2421.11	218.07

Prdx6	peroxiredoxin 6 (	12	5	47.42	15.68	7056.20	970.98	0.03	2.90	135.44	260.26	15.93
Prkaca	protein kinase, c	1	1	2.13	22.50	0.04	10.63	12.15	42.87	23.22	0.02	0.11
Prkacb	protein kinase, c	4	1	1.98	0.04	929.83	0.02	89.94	46.91	1.17	0.02	0.11
Prkcq	protein kinase C	9	4	935.09	599.55	147.91	163.37	709.46	521.54	237.51	241.06	32.13
Prl7c1	prolactin family 7	6	6	389.69	298.02	1713.40	578.81	166.04	107.17	52.54	146.21	929.14
Prpf8	pre-mRNA proce	16	4	731.70	223.14	241.02	241.20	336.12	367.24	630.81	780.30	9.87
Prss1	protease, serine,	68	2	415.64	554.45	224.32	377.29	998.37	1047.51	661.45	967.54	0.11
Psap	prosaposin Gene	14	3	84.51	64.96	865.23	38.40	1.59	19.08	171.59	144.88	6.23
Psma2	proteasome (pro	4	1	0.03	0.04	22.13	0.02	0.03	0.84	0.02	0.02	0.11
Psmb1	proteasome (pro	2	1	234.39	137.87	0.04	131.91	137.89	129.40	84.04	160.31	0.11
Psmb6	proteasome (pro	1	1	58.27	30.36	27.47	0.02	0.03	0.02	0.02	2.07	0.11
Psmb8	proteasome (pro	3	1	131.11	257.11	672.49	834.99	478.97	846.72	645.69	680.89	264.62
Psmc1	protease (prosor	2	1	9.71	0.04	11.31	265.89	4.86	4.78	7.35	3.74	0.11
Psmc3	proteasome (pro	67	5	563.65	14067.76	0.04	992.53	588.87	249.50	524.29	533.30	156.48
Psmc5	protease (prosor	1	1	11.47	7.02	23.66	394.73	1.21	0.02	22.15	52.89	1.68
Psmc6	proteasome (pro	18	5	160.88	59.23	1517.19	23.13	144.92	197.32	66.73	59.07	15.25
Psmd11	proteasome (pro	17	1	9.23	0.04	0.04	0.02	322.52	282.66	0.02	6.24	173.32
Psmd12	proteasome (pro	5	3	101.80	39.64	554.28	18.91	4.87	12.75	121.49	137.00	0.11
Psmd2	proteasome (pro	9	1	95.58	52.12	30.19	52.89	40.60	30.23	128.66	141.59	0.11
Psmd3	proteasome (pro	3	2	380.16	45.89	146.16	0.02	451.71	209.11	788.07	614.47	0.11
Psme1	proteasome (pro	7	2	68.00	39.32	77.15	59.85	724.98	214.79	209.07	182.00	2069.93
Ptbp1	polypyrimidine tr	43	6	676.27	521.95	1464.77	2457.40	21.67	171.82	131.07	168.19	0.11
Ptges3	prostaglandin E s	1	1	201.91	43.57	182.85	485.58	57.89	45.84	203.65	170.91	26.62
Ptms	parathymosin Ge	1	1	0.03	0.04	1.21	0.02	0.03	0.02	0.02	0.02	0.11
Ptpn2	protein tyrosine p	11	3	805.21	992.66	925.43	398.05	916.76	663.16	427.78	335.24	1205.63
Ptpn22	protein tyrosine p	10	1	0.03	0.04	15.09	0.02	17.18	4.03	1.19	7.00	7.93
Ptpn6	protein tyrosine p	164	12	6195.60	2891.32	13686.58	5483.35	10804.88	10632.37	3426.42	3438.91	225.87
Ptprc	protein tyrosine p	71	9	1914.59	937.39	379.69	409.38	192.10	358.27	785.22	842.81	321.51
Ptrf	polymerase I and	32	2	943.72	353.70	890.68	87.47	854.41	1124.46	221.38	306.46	217.15
Purg	purine-rich eleme	1	1	749.62	186.40	0.04	0.02	266.50	49.92	2008.16	2512.13	0.11
Pycr2	pyrroline-5-carbo	33	4	347.85	411.02	1538.56	47.72	1220.00	1161.09	412.00	415.98	991.46
Pyhin1	pyrin and HIN do	4	1	81.92	15.83	0.04	103.80	120.04	26.36	9.72	75.53	694.63
Rab1	RAB1, member F	70	3	2509.28	821.48	203.96	276.04	775.22	1325.81	1425.84	1606.74	1094.11
Rab10	RAB10, member	8	3	2.22	705.57	412.09	733.25	0.03	5.42	118.27	223.09	204.23
Rab11b	RAB11B, membe	8	1	39.71	36.15	0.04	11.16	316.54	331.75	24.50	13.48	0.11
Rab14	RAB14, member	53	6	1482.34	2171.89	3244.84	1088.15	2230.77	2223.20	4289.29	4219.13	7388.27
Rab15	RAB15, member	3	2	91.50	85.32	122.22	161.83	366.31	380.63	12.15	14.81	55.12

Rab18	RAB18, member	13	2	0.03	0.04	0.04	0.02	77.47	52.06	120.38	197.43	1186.73
Rab1b	RAB1B, membe	78	6	3268.58	1370.64	469.88	1747.43	1255.86	1206.21	2070.43	2518.53	1160.79
Rab2a	RAB2A, membe	10	2	134.49	355.73	675.74	265.97	171.49	246.16	46.91	30.76	735.71
Rab2b	RAB2B, membe	2	2	0.73	14.47	0.04	2.20	63.37	345.83	207.27	200.21	2188.37
Rab5c	RAB5C, membe	33	3	2247.00	845.28	10206.37	181.05	1338.42	1016.70	1012.94	1364.33	1406.01
Rab7	RAB7, member	121	5	3540.04	2389.94	1446.19	980.36	4221.96	2990.20	3544.28	3664.98	2605.42
Rab8a	RAB8A, membe	1	1	0.03	0.04	116.93	562.19	30.18	28.79	4.13	0.02	67.64
Rab8b	RAB8B, membe	15	1	28.14	0.04	19.41	11.33	209.70	211.05	25.73	23.76	0.11
Rac1	RAS-related C3	76	6	1099.62	7673.15	2443.10	1005.38	371.86	1140.47	544.10	931.55	2443.99
Rac2	RAS-related C3	71	3	1113.22	548.23	1523.58	0.02	1998.66	2097.20	1869.34	2122.84	27.27
Rad54l	RAD54 like (S. c	3	1	0.03	4.32	0.04	0.02	6.35	0.02	0.02	1.21	20.95
Ralgps2	Ral GEF with PH	2	2	0.03	0.74	1.41	0.02	0.35	0.02	0.02	0.43	58.90
Raly	hnRNP-associat	4	1	1008.77	0.04	0.04	0.02	890.22	681.48	13.78	0.02	10.35
Ran	RAN, member R	66	6	4827.44	2953.91	3545.10	2796.34	403.08	160.15	1919.66	2100.22	695.64
Ranbp1	RAN binding pro	10	2	866.53	66.24	49.71	142.99	1204.66	1013.16	579.09	449.05	784.56
Rangap1	RAN GTPase ac	8	1	10.70	17.71	544.89	0.02	192.72	84.67	0.02	12.24	0.11
Rap1a	RAS-related prot	13	3	491.23	557.83	1446.51	1461.54	469.00	548.36	221.99	132.86	82.89
Rap1b	RAS related prot	7	1	0.03	22.51	0.04	0.02	0.03	0.02	49.01	59.07	1281.65
Rars	arginyl-tRNA syn	1	1	0.03	0.04	130.15	0.02	7.41	3.78	0.02	1.85	462.69
Rasgrp1	RAS guanyl relea	3	3	0.03	0.04	14.24	18.57	6.61	0.02	0.02	5.63	53.12
Rbbp7	retinoblastoma b	13	2	300.55	106.32	62.59	0.02	566.43	547.38	454.67	488.98	41.54
Rbbp8	retinoblastoma b	15	2	200.51	0.04	0.04	205.97	151.71	687.69	55.64	6.94	0.11
Rbm14	RNA binding mo	32	1	42.01	46.63	10.91	0.02	0.03	0.79	0.02	0.02	0.11
Rbm3	RNA binding mo	32	3	148.15	326.03	82.63	85.40	1226.34	979.73	47.29	114.15	573.28
Rbmx	RNA binding mo	1	1	11.33	7.65	0.04	0.02	0.03	0.02	34.41	3.65	36.59
Rbpj	recombination si	8	3	3538.00	723.86	77.06	723.87	3461.77	2529.56	72.75	92.88	156.21
Rc3h1	RING CCCH (C3	2	2	2.31	0.04	59.28	322.22	7.93	0.02	413.58	526.40	1056.20
Refbp2	RNA and export	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	376.43
Relb	avian reticuloenc	1	1	0.24	0.04	8.81	0.02	17.19	11.88	1.19	0.02	4.10
Rg9mtd1	RNA (guanine-9-	5	1	18.73	3.53	6.33	0.02	48.31	21.04	6.22	0.23	29.65
Rgmb	RGM domain far	2	2	0.03	0.04	4.15	0.02	140.75	223.84	41.73	72.99	1401.50
Rnf169	ring finger protei	11	3	0.03	0.04	0.04	0.02	214.71	80.31	0.02	0.02	0.11
Rnf17	ring finger protei	2	1	629.01	337.40	27.13	2418.08	33.14	0.02	0.02	0.02	4.17
Rnf213	ring finger protei	30	8	252.78	1247.20	27331.96	154.44	741.90	648.26	113.07	119.67	3569.51
Rnh1	ribonuclease/ang	3	2	0.03	4.21	1155.13	1144.72	0.03	0.02	0.02	0.02	44.28
Rpl10	ribosomal protei	53	3	1116.35	1285.28	50.65	129.04	2882.31	2207.26	1134.04	1624.58	0.11
Rpl10a	ribosomal protei	104	8	1792.56	12090.69	217.50	3595.81	1137.61	765.41	4036.78	3745.01	14749.00

Rpl12	ribosomal protein	6	1	21.73	0.04	31.98	458.10	105.74	99.03	18.51	144.45	66.48
Rpl14	ribosomal protein	1	1	63.28	46.65	2349.86	6.37	36.39	3.79	69.63	152.56	0.11
Rpl15	ribosomal protein	20	2	934.22	634.72	34.84	95.53	804.07	961.62	853.64	1013.48	12335.85
Rpl17	ribosomal protein	2	1	0.03	0.04	0.04	0.02	0.03	0.02	10.05	0.02	75.42
Rpl18	ribosomal protein	62	1	245.78	230.73	37.79	36.06	1224.13	884.50	235.37	264.73	54.41
Rpl19	ribosomal protein	30	2	97.64	120.62	82.49	15.84	415.90	325.80	494.12	636.29	42.85
Rpl22	ribosomal protein	2	1	0.03	0.04	0.04	0.02	0.03	2.75	30.62	0.02	0.11
Rpl23	ribosomal protein	40	1	533.57	631.57	165.95	213.89	908.04	833.02	492.64	580.44	0.11
Rpl23a	ribosomal protein	1	1	0.03	0.04	0.04	120.52	0.03	0.02	0.02	0.02	411.38
Rpl24	ribosomal protein	42	3	725.51	345.58	173.31	55.33	1378.87	1331.42	898.57	858.99	53.24
Rpl27	ribosomal protein	40	3	517.70	21.74	0.04	1436.90	490.19	1572.44	1349.37	1679.37	6455.14
Rpl27a	ribosomal protein	32	2	28.70	0.04	0.04	0.02	253.91	235.76	253.66	519.24	25.51
Rpl30	ribosomal protein	2	1	105.94	1081.01	120.53	1275.57	41.71	0.02	0.02	10.86	374.75
Rpl31	ribosomal protein	50	1	661.30	445.67	208.97	178.09	1249.92	1380.79	598.37	631.84	22.77
Rpl37a	ribosomal protein	11	1	0.03	30.40	0.04	38.77	0.03	75.31	741.70	667.90	1015.35
Rpl38	ribosomal protein	59	3	743.53	309.11	0.04	0.02	1047.61	874.14	834.80	813.78	0.11
Rpl4	ribosomal protein	142	8	1322.68	327.76	784.81	2531.64	2327.85	2062.72	2380.20	1843.06	457.23
Rpl5	ribosomal protein	24	2	12.39	0.04	0.04	0.02	29.89	23.73	54.72	66.54	16.38
Rpl6	ribosomal protein	48	8	1255.25	1086.85	356.36	1062.13	13.11	34.92	1459.06	1734.52	26.33
Rpl7	ribosomal protein	99	3	1959.82	3238.59	436.69	710.36	3070.99	2399.81	1413.25	1595.14	1714.50
Rplp0	ribosomal protein	68	3	1426.63	1105.26	1588.74	995.27	1212.79	1118.36	1867.83	2169.38	1402.76
Rplp1	ribosomal protein	83	2	1810.98	2043.13	1108.85	1894.60	1349.80	1284.67	1106.41	1012.19	22.03
Rplp2	ribosomal protein	163	18	9819.78	6707.42	3403.15	7207.58	5073.45	7157.53	5685.58	4801.07	1853.08
Rpn1	ribophorin I Gene	105	12	2498.13	3972.00	1472.77	1223.03	1089.22	1041.78	1367.64	1588.13	4820.87
Rpn2	ribophorin II Gen	81	10	2370.58	785.50	1966.38	861.56	3029.69	3321.53	3471.63	4320.26	77.11
Rps10	ribosomal protein	54	3	2335.22	2234.92	753.51	818.33	8.84	23.01	894.78	772.42	241.36
Rps13	ribosomal protein	56	5	1718.41	109.33	137.83	4.03	115.05	150.52	1639.77	1700.74	96.31
Rps14	ribosomal protein	34	2	48.80	1741.43	1010.15	376.51	217.94	241.57	198.20	185.70	0.11
Rps15	ribosomal protein	4	1	17.84	0.04	765.85	127.25	0.03	0.02	99.85	102.69	7.28
Rps15a	ribosomal protein	22	1	0.03	30.56	15.63	9.37	0.03	83.79	177.87	35.40	0.11
Rps16	ribosomal protein	111	2	2529.56	2090.39	334.92	1153.55	3275.04	2174.77	385.60	372.83	10475.56
Rps18	ribosomal protein	52	1	140.05	174.67	0.04	46.57	627.43	647.84	100.88	114.56	18.50
Rps19	ribosomal protein	61	5	1346.01	1388.57	1782.51	738.54	1313.13	1095.00	1341.66	1552.04	6998.27
Rps2	ribosomal protein	1	1	2.46	6.47	4.76	50.52	5.19	10.08	12.07	28.09	165.78
Rps20	ribosomal protein	29	2	461.34	296.87	0.04	341.16	438.56	7.01	874.34	1019.28	0.11
Rps21	ribosomal protein	1	1	0.03	0.04	3.67	60.68	0.03	0.02	1.47	0.02	0.11
Rps24	ribosomal protein	35	1	561.87	439.10	163.59	143.53	1452.80	1652.76	531.10	739.17	0.11

Rps25	ribosomal protein	11	1	375.61	100.40	0.04	56.70	31.84	47.46	102.68	147.91	1003.22
Rps26	ribosomal protein	17	1	1331.24	543.06	158.02	417.02	201.23	153.97	1123.25	1223.41	0.11
Rps27l	ribosomal protein	38	1	258.27	3698.18	851.51	1812.42	824.44	925.13	935.37	1283.57	870.81
Rps28	ribosomal protein	18	1	218.42	71.52	56.75	38.21	515.04	314.39	130.46	79.74	29.36
Rps3	ribosomal protein	64	6	227.78	141.08	151.36	2168.88	669.01	582.92	305.83	89.33	365.82
Rps3a	ribosomal protein	14	3	114.43	183.44	678.51	140.32	181.41	170.65	156.77	343.05	474.57
Rps6	ribosomal protein	41	2	1793.81	824.21	111.18	927.11	3274.69	4538.08	2709.00	2750.12	1301.97
Rpsa	ribosomal protein	1	1	530.45	83.57	108.11	13.46	20.87	0.02	1608.78	1229.05	0.11
Rrbp1	ribosome binding	13	5	876.31	10.62	0.04	600.00	481.26	533.47	209.65	59.88	409.95
Rrp12	ribosomal RNA p	5	1	4.65	0.04	0.04	268.90	0.03	0.02	71.72	91.63	48.46
Rtn4	reticulon 4 Gene	8	2	197.93	1163.76	0.04	0.02	83.51	201.28	207.99	293.94	0.11
Ruvbl1	RuvB-like protein	12	1	3.08	8.63	13.01	0.02	508.30	434.41	21.73	38.34	0.11
S100a10	S100 calcium bir	33	3	929.69	1370.91	98.78	177.34	297.14	210.23	578.07	616.41	0.11
S100a11	S100 calcium bir	4	1	0.03	0.04	204.65	3.28	0.03	0.02	13.46	9.08	0.11
S100a9	S100 calcium bir	10	5	462.07	5.54	103.43	506.08	574.57	247.06	131.24	222.49	611.94
Sacm1l	SAC1 (suppress	3	1	378.60	78.24	0.04	26.34	0.03	0.02	38.85	41.74	0.11
Sall4	sal-like 4 (Droso	1	1	0.03	0.04	0.04	8.21	137.73	84.81	58.95	31.13	5300.29
Samm50	sorting and asse	4	1	0.03	100.05	0.04	0.02	64.84	65.00	0.02	0.02	1047.67
Sap30bp	SAP30 binding p	1	1	0.03	0.04	0.04	0.02	26.74	0.02	0.02	0.02	8202.50
Sardh	sarcosine dehyd	1	1	0.03	0.04	28.75	0.02	0.03	0.02	0.02	0.02	0.11
Sars	seryl-aminoacyl-	41	9	364.38	2765.94	845.64	5394.98	167.30	111.74	379.03	646.09	415.62
Scpep1	serine carboxype	3	1	15.53	4.56	32.13	442.30	0.03	0.02	0.02	0.02	0.11
Scrn3	secernin 3 Gene	1	1	391.24	0.04	0.04	41.35	475.19	470.29	0.02	0.77	0.11
Sdha	succinate dehydı	6	3	812.65	200.00	2290.75	6.93	2.16	32.10	392.43	442.93	5.04
Sdhb	succinate dehydı	35	3	889.33	1320.55	301.46	1064.29	161.60	243.43	201.44	67.49	0.11
Sec22b	SEC22 vesicle tr	25	3	689.65	131.25	19.62	79.89	526.53	722.89	806.71	556.00	31.23
Sec23a	SEC23A (S. cere	8	1	2.95	0.04	329.12	11.94	58.00	40.36	0.02	5.74	0.11
Sec31b	Sec31 homolog I	11	1	35.92	157.68	0.04	0.02	921.72	770.33	54.80	70.96	0.11
Sec63	SEC63-like (S. c	1	1	26.30	12.34	53.42	29.23	0.03	3.90	0.02	21.02	0.11
Sept11	septin 11 Gene	6	1	43.28	0.04	91.06	0.02	18.92	62.85	59.39	42.24	48.58
Sept2	septin 2 Gene	37	4	1194.12	2518.02	2295.96	724.64	820.99	433.09	538.45	494.69	14.27
Sept6	septin 6 Gene	25	3	118.24	15.88	29.30	10.82	787.94	657.84	362.39	445.58	2014.31
Sept7	septin 7 Gene	3	1	0.03	0.04	0.04	0.02	0.03	0.02	12.13	0.02	1123.95
Serbp1	serpine1 mRNA	16	2	2516.34	1705.97	25315.29	1622.60	1323.31	960.07	710.83	642.26	140.70
Serpina3c	serine (or cystein	3	3	2.68	0.04	20.43	0.02	35.16	62.03	7.27	2.18	176.44
Serpinb3b	serine (or cystein	1	1	0.03	0.04	11.64	2.28	3.30	5.70	0.94	0.71	63.40
Serpinb3c	serine (or cystein	1	1	0.03	0.04	0.04	0.02	0.03	0.02	4.71	0.02	0.11

Serpinb6a	serine (or cysteir	2	1	62.54	442.99	246.54	1597.97	271.43	124.81	42.21	95.01	1924.44
Set	SET translocatio	5	2	0.03	19.54	1218.80	47.83	0.03	7.31	143.34	138.25	0.11
Sf3a2	splicing factor 3a	2	1	165.32	3.80	2081.14	44.66	119.24	114.50	0.02	0.02	0.11
Sfn	stratifin Gene	2	2	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Sfpq	splicing factor pr	41	7	1800.09	1743.36	345.04	871.59	1214.37	1094.60	1343.17	957.48	258.01
Sftpc	surfactant assoc	6	2	0.03	0.04	0.04	0.02	0.03	0.02	4034.14	4100.83	0.11
Sfxn1	sideroflexin 1 Ge	10	4	400.79	98.09	114.91	324.65	120.63	77.21	294.32	308.83	139.19
Sfxn3	sideroflexin 3 Ge	3	2	604.55	352.80	13.21	131.30	1066.42	1604.59	1601.44	2070.06	423.23
Sgpl1	sphingosine pho	35	3	1016.98	304.40	311.06	326.86	1476.37	1121.02	1279.32	694.08	74.91
Sh3bgrl3	SH3 domain binc	1	1	9.74	0.04	0.04	649.53	0.03	0.02	0.02	0.02	0.11
Sh3rf2	SH3 domain con	3	2	447.53	163.82	0.04	0.02	1149.45	803.92	242.83	250.63	0.11
Shmt1	serine hydroxym	1	1	102.96	13.66	0.04	18.26	0.03	0.02	238.96	191.18	0.11
Shmt2	serine hydroxym	163	9	4452.58	1268.89	339.29	1928.72	2471.63	2646.72	5589.37	5548.32	1069.08
Siglec1	sialic acid bindin	11	4	126.57	2132.83	80.36	0.02	266.63	65.26	194.82	295.23	2896.10
Sirpa	signal-regulatory	1	1	632.20	176.23	73.61	1313.43	151.24	7.97	0.02	0.02	3.02
Slc1a5	solute carrier fan	23	3	783.97	596.41	338.10	144.10	127.36	131.85	143.62	194.65	171.44
Slc25a1	solute carrier fan	4	3	4171.90	1603.67	105.32	1364.61	2371.06	1549.52	1548.38	2182.00	866.44
Slc25a11	solute carrier fan	46	4	229.51	40.75	281.86	57.04	126.55	463.82	1061.94	532.75	365.14
Slc25a12	solute carrier fan	43	5	593.50	1165.46	300.07	196.34	222.65	237.21	591.76	876.28	1255.54
Slc25a13	solute carrier fan	14	3	679.86	122.52	77.52	349.67	370.59	387.20	521.29	585.41	257.61
Slc25a24	solute carrier fan	10	5	136.45	187.45	0.04	341.53	97.08	61.66	559.67	656.46	3959.42
Slc25a3	solute carrier fan	63	4	519.41	1861.17	594.72	1321.72	72.92	506.25	1713.91	1389.29	396.27
Slc25a31	solute carrier fan	1	1	34.18	87.66	140.38	0.02	127.06	157.50	22.11	34.48	434.17
Slc25a4	solute carrier fan	44	1	564.08	594.27	0.04	42.01	1373.68	1814.27	315.27	306.11	18.83
Slc25a5	solute carrier fan	761	9	10368.38	7956.88	3508.64	3873.97	11748.45	9466.56	7428.47	6463.45	4484.75
Slc2a1	solute carrier fan	9	2	6.77	338.20	16.13	0.02	40.02	35.07	0.02	5.50	281.74
Slc3a2	solute carrier fan	106	10	2609.46	3421.93	5895.20	1166.90	1239.81	1126.19	2596.06	2610.60	643.41
Smarca5	SWI/SNF relatec	1	1	8.80	981.18	0.04	166.38	0.03	0.02	0.02	0.02	30.24
Smarcad1	SWI/SNF-relatec	17	5	35.80	228.12	261.36	81.92	235.63	213.73	84.12	55.12	7218.59
Smchd1	SMC hinge doma	8	1	38.39	0.04	0.04	0.02	145.03	170.02	0.02	0.02	41.31
Snd1	staphylococcal n	19	7	2044.63	2977.84	1554.21	1950.36	179.52	178.05	1177.01	1231.60	146.57
Snrpc	U1 small nuclear	1	1	971.16	412.28	0.04	945.79	520.37	494.07	0.02	19.10	0.11
Snrpd1	small nuclear rib	2	1	0.03	0.04	0.04	0.02	0.03	0.02	52.81	23.73	4.49
Snrpd2	small nuclear rib	6	1	0.03	6.20	34.84	0.02	19.81	23.13	0.02	0.02	0.11
Snrpd3	small nuclear rib	45	1	152.19	0.04	0.04	0.02	1103.30	999.84	104.38	73.94	106.61
Snx18	sorting nexin 18	2	1	17.93	0.04	0.04	0.02	410.70	324.12	0.02	29.69	0.11
Snx2	sorting nexin 2 G	4	1	0.03	1530.19	71.25	2449.26	36.77	0.02	136.04	77.01	0.11

Sod2	superoxide dism	13	2	1479.66	478.12	187.52	642.59	40.25	122.42	821.43	841.97	262.84
Sorcs1	VPS10 domain r	1	1	0.03	10.69	348.31	147.04	0.03	0.02	72.91	70.38	154.48
Sp1	trans-acting trans	4	1	48.01	40.76	145.91	0.02	5.00	0.02	0.02	0.02	0.11
Spcs2	signal peptidase	3	2	1266.13	1082.76	602.89	1154.25	200.60	109.48	226.54	96.97	0.11
Spcs3	signal peptidase	6	1	20.60	94.85	0.04	0.02	24.95	32.27	0.02	34.39	186.03
Spn	sialophorin Gene	6	1	221.86	43.21	97.05	1225.95	1241.27	951.90	670.74	842.58	0.11
Spp1	secreted phosph	13	1	0.03	0.04	862.54	0.02	0.03	0.02	5.80	11.07	0.11
Spt1	salivary protein 1	4	3	25.26	12.07	101.18	39.78	61.11	64.61	0.13	0.02	0.11
Sqrdl	sulfide quinone r	157	10	2366.64	4032.40	2322.90	1765.99	2861.58	1270.89	3458.68	3333.84	1006.53
Sqstm1	sequestosome 1	94	8	4180.05	2515.52	135.31	516.86	906.03	647.87	1054.55	809.01	1906.52
Srrm1	serine/arginine re	1	1	186.99	0.04	0.04	0.02	1604.62	1339.47	843.08	638.41	0.11
Ssb	Sjogren syndrom	58	6	658.38	280.45	1058.87	6.75	211.18	302.77	754.08	653.33	204.20
Ssbp1	single-stranded D	9	1	13.65	173.05	17.20	590.98	15.94	7.93	24.47	24.45	8.85
Ssr1	signal sequence	1	1	139.41	15.11	19.86	16.83	2.43	8.33	373.35	383.71	9.40
Ssr3	signal sequence	33	2	26.35	80.89	0.04	60.48	607.63	347.05	26.42	91.81	412.84
Ssr4	signal sequence	35	2	860.99	1067.19	136.75	24.56	807.10	652.69	585.73	559.95	71.05
Ssrp1	structure specific	5	2	2431.95	554.18	68.82	35.48	388.54	175.55	457.99	398.28	29.70
St13	suppression of tu	6	1	0.03	112.73	0.04	13.00	23.70	40.97	0.02	0.02	95.18
Stat1	signal transduce	40	5	1511.96	1718.52	1183.77	1273.66	1693.42	2005.44	927.58	813.93	2978.62
Stat3	signal transduce	3	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Stip1	stress-induced p	22	3	362.76	156.24	22.56	43.74	60.78	40.28	314.03	342.19	83.54
Stom	stomatin Gene	28	6	1436.11	916.66	226.37	541.74	717.00	652.26	1007.29	985.29	452.95
Stoml2	stomatin (Epb7.2	54	4	1104.00	1775.32	430.63	1058.14	466.52	369.88	1388.82	1134.84	9.57
Stt3b	STT3, subunit of	3	1	453.01	789.17	0.04	38.18	0.03	0.02	229.35	310.96	69.71
Sucla2	succinate-Coenz	7	2	440.35	81.44	24.25	0.02	0.03	3.88	456.86	490.91	204.13
Suclg2	succinate-Coenz	34	5	534.49	945.15	531.50	736.64	1137.12	2019.14	553.30	455.96	478.55
Sulf2	sulfatase 2 Gene	1	1	111.94	145.19	188.97	79.26	157.93	122.40	42.14	53.15	232.14
Supt16h	suppressor of Ty	14	2	103.49	4.88	282.79	420.19	63.29	84.21	33.44	36.43	2142.69
Surf4	surfeit gene 4 Ge	1	1	2.31	0.04	18.00	6.72	2.68	3.75	10.01	0.02	0.11
Svil	supervillin Gene	3	1	0.03	0.04	0.04	0.02	0.03	0.02	58.09	39.94	0.11
Syncrip	synaptotagmin b	15	5	561.61	584.29	1153.51	1210.66	670.04	520.21	387.14	522.24	1103.90
Taf13	TAF13 RNA poly	7	1	138.72	2284.23	17.04	1866.53	562.37	35.54	18.14	86.47	279.40
Tagln2	transgelin 2 Gen	247	13	2391.49	1363.30	2997.34	3834.78	2722.47	2021.15	1651.33	2144.17	3861.10
Tap1	transporter 1, AT	4	1	1272.83	510.06	215.88	215.51	199.15	225.51	633.74	683.53	310.95
Tap2	transporter 2, AT	7	3	908.64	224.96	75.83	8.03	211.30	138.47	374.91	313.88	1046.44
Tars	threonyl-tRNA sy	2	1	0.03	0.04	0.04	0.02	161.44	75.00	12.32	5.37	143.05
Tbc1d12	TBC1D12: TBC1	20	3	1423.07	153.64	160.99	2764.42	2223.82	7033.20	2418.05	970.85	1888.08

Tbx3	T-box 3 Gene	2	1	51.24	76.39	6.98	0.02	23.39	34.22	37.05	24.49	0.11
Tcea1	transcription elor	6	1	0.03	20.66	21.67	55.50	66.59	29.05	0.02	0.02	0.11
Tcerg1	transcription elor	6	1	498.51	378.83	299.67	210.41	0.03	0.02	674.73	816.81	240.52
Tcp1	t-complex protei	3	2	0.03	0.04	192.37	0.02	3.49	0.02	56.24	87.92	97.80
Tfam	transcription fact	4	4	2441.07	253.09	0.04	574.72	851.09	973.27	988.99	531.15	1957.71
Tfrc	transferrin recep	6	1	0.03	0.04	0.04	14.68	0.03	11.78	11.58	31.37	113.80
Thrap3	thyroid hormone	1	1	0.03	0.04	0.04	27.65	0.03	0.02	0.02	0.02	0.11
Timm13	translocase of in	51	2	789.74	278.78	56.47	64.29	1801.85	1794.64	1254.27	1460.43	0.11
Timm44	translocase of in	9	2	17.42	153.48	16.79	0.02	288.01	200.00	28.31	30.30	2.62
Timm50	translocase of in	9	2	107.28	65.51	61.57	627.43	583.55	507.20	119.07	367.74	60.98
Tkt	transketolase Ge	129	11	738.19	171.60	19706.29	1234.56	2581.52	3081.48	3628.27	3922.66	1512.48
Tln1	talin 1 Gene	264	29	4507.31	1562.81	3020.03	3006.26	2512.45	2608.77	5711.39	5774.84	5495.38
Tln2	talin 2 Gene	5	5	22.95	187.48	17304.99	8188.85	23.17	45.68	21.40	45.66	34.31
Tm9sf4	transmembrane	6	1	58.85	104.75	933.89	1210.55	336.43	160.59	39.83	46.37	2066.99
Tmed10	transmembrane	48	5	1205.15	1717.95	97.87	305.32	1922.77	1594.82	797.83	777.04	467.36
Tmed2	transmembrane	5	3	213.84	78.66	639.03	133.13	62.37	30.25	186.86	202.67	41.35
Tmed5	transmembrane	30	2	141.04	227.07	47.22	78.23	1078.17	990.60	588.04	728.31	1.10
Tmem132c	transmembrane	1	1	8.29	26.09	2063.78	33.56	0.03	9.23	39.25	86.36	0.11
Tmem143	transmembrane	17	2	0.03	70.03	74.50	174.48	19.22	0.02	838.37	1490.40	0.11
Tmem161a	transmembrane	1	1	0.03	0.04	0.04	0.02	0.03	0.02	1.49	2.90	71.57
Tmem25	transmembrane	41	9	368.73	190.09	83.42	217.26	457.58	652.24	9638.06	10333.81	847.15
Tmem64	transmembrane	9	1	0.03	0.04	0.04	0.28	4.26	0.02	1.58	0.02	0.11
Tmod3	tropomodulin 3 (	12	1	94.15	75.34	62.48	81.80	10.95	0.79	110.58	173.01	11.99
Tmpo	thymopoietin Ge	99	10	5369.83	3464.95	1942.40	4579.15	1240.94	1390.86	1252.66	1711.42	462.33
Tmx3	thioredoxin-relate	81	4	124.19	500.88	144.72	58.96	2074.80	2496.34	273.23	25.86	1258.54
Tmx4	thioredoxin-relate	2	1	0.03	14.63	0.04	0.02	34.89	12.58	0.02	0.02	62.55
Tnfsf4	tumor necrosis fa	15	2	54.46	46.74	33.85	0.02	145.22	122.32	31.95	42.94	420.28
Tnni3k	TNNI3 interactin	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	873.30
Tomm22	translocase of ou	36	1	508.63	172.81	23.27	48.03	11.15	185.56	288.48	303.06	0.11
Tomm40	translocase of ou	1	1	0.03	12.88	42.92	145.24	0.03	0.02	0.02	0.02	1075.85
Tomm70a	translocase of ou	3	3	9.34	49.04	336.77	37.48	1.54	0.02	0.02	0.21	401.37
Top1	topoisomerase (I	33	4	50.37	22.38	10.56	5.52	512.59	395.32	74.13	32.21	10.11
Top2a	topoisomerase (I	20	4	1588.34	694.90	397.17	54.14	1462.74	1109.15	758.71	536.99	294.55
Tor1aip1	torsin A interacti	26	4	802.87	1977.75	2291.98	94.40	319.34	631.13	181.81	32.89	168.95
Tpd52	tumor protein D5	4	1	61.97	50.60	7682.05	367.11	303.76	283.78	152.80	153.17	379.72
Tpi1	triosephosphate	101	6	3331.16	1885.66	6976.18	1732.09	7810.45	6569.36	1878.76	2142.17	1027.38
Tpm2	tropomyosin 2, b	2	1	10.42	162.53	116.06	11.27	43.37	2.32	54.54	107.58	71.38

Tpm4	tropomyosin 4 G	12	2	244.94	382.42	95.50	75.35	12.46	20.40	55.12	41.56	439.26
Tpr	translocated pro	9	6	3316.12	6489.53	3322.14	587.04	1571.67	1201.19	1300.01	1036.85	26.08
Tpt1	tumor protein, tra	55	3	662.73	476.85	4353.74	292.45	1125.68	1440.40	330.81	654.46	523.14
Trap1	TNF receptor-as	70	6	361.27	369.45	138.24	98.30	1232.33	1061.36	518.87	828.39	1009.50
Trim26	tripartite motif-co	388	1	268.94	549.56	638.18	366.83	312.65	327.09	116.78	136.05	509.26
Trim28	tripartite motif-co	6	1	79.84	76.20	0.04	0.02	667.28	818.28	454.93	429.29	0.11
Trim58	tripartite motif-co	2	2	240.85	37.18	212.85	7.94	230.96	309.02	75.27	9.35	0.11
Trpc3	transient recepto	8	8	163.93	334.19	737.96	54.09	10.35	5.51	1.20	0.02	17.84
Tsfm	Ts translation elo	2	1	156.82	79.39	0.04	71.88	250.46	187.50	45.96	59.29	0.11
Tspo	translocator prot	82	3	648.28	90.09	0.04	59.99	272.86	723.22	3349.00	2166.96	935.86
Ttc5	tetratricopeptide	10	9	293.03	24.67	246.76	445.92	416.02	851.83	291.13	105.19	542.24
Ttc7b	tetratricopeptide	1	1	15.78	0.04	0.04	13.61	3.09	0.02	0.02	0.02	12.39
Tuba1a	tubulin, alpha 1A	10	2	473.80	23.34	79.35	69.91	98.40	36.60	523.57	604.00	868.16
Tuba1b	tubulin, alpha 1B	560	12	7508.42	6302.29	2922.21	7434.54	14218.82	13700.83	10935.45	10106.31	4415.42
Tubb1	tubulin, beta 1 G	1	1	0.03	1.32	0.04	21.57	0.03	0.02	0.02	0.02	65.39
Tubb2a	tubulin, beta 2A	4	2	1.45	33.90	40.23	21.78	37.54	4.46	21.47	15.80	233.21
Tubb2c	tubulin, beta 2C	13	4	15.49	475.83	1983.87	50.70	26.70	8.61	33.53	35.19	4039.66
Tubb3	tubulin, beta 3 G	6	3	10.77	41.44	132.18	24.61	87.48	82.54	0.02	5.16	637.98
Tubb4	tubulin, beta 4 G	91	5	1964.28	3045.06	549.82	693.71	4206.92	3443.78	1572.71	1799.86	2161.85
Tubb5	tubulin, beta 5 G	696	20	16360.24	22803.73	8298.01	11907.68	12576.05	11424.50	8189.86	8442.19	20613.90
Tubb6	tubulin, beta 6 G	17	3	764.43	414.39	434.39	311.84	274.37	155.53	490.67	505.75	1.57
Tufm	Tu translation elo	75	6	3293.95	874.76	326.73	967.06	3635.62	2868.44	3674.60	4347.26	145.15
Twf1	twinfilin, actin-bir	4	4	4.93	8.86	3.41	313.74	7.40	114.28	80.32	135.26	752.87
Txndc5	thioredoxin dom	12	2	0.03	5.24	0.04	44.04	226.47	187.69	0.02	0.02	52.46
Txnl1	thioredoxin-like 1	13	1	0.03	0.04	0.04	0.02	0.03	17.89	240.10	306.04	3.77
Txnrd1	thioredoxin redu	9	4	250.91	190.03	597.30	1332.31	270.25	267.79	184.47	186.48	1387.06
U2af2	U2 small nuclear	28	2	276.12	189.92	212.79	247.18	817.16	772.85	303.15	280.34	240.48
Uba1	ubiquitin-like mo	73	9	8923.67	5564.91	5930.84	3069.86	2948.18	2005.86	5348.17	4735.42	212.10
Ube2l3	ubiquitin-conjuga	19	2	30.58	57.28	139.82	580.21	27.44	0.02	63.75	272.22	12.61
Uggt1	UDP-glucose gly	2	2	48.42	0.04	1291.30	34.57	0.03	7.70	0.02	0.02	0.11
Ugt1a1	UDP glucuronos	50	4	387.63	982.01	2762.74	312.15	227.58	308.57	421.13	365.89	715.68
Ugt8a	UDP galactosyltr	1	1	0.03	0.04	0.30	0.02	0.03	0.02	0.02	0.02	0.11
Unc93b1	unc-93 homolog	13	3	299.47	760.34	2304.30	556.59	6.24	22.69	184.51	252.50	848.27
Uprt	uracil phosphorib	11	2	473.08	237.38	0.04	26.74	311.36	259.17	207.12	190.59	0.11
Uqcrb	ubiquinol-cytochr	26	2	42.58	30.22	0.04	15.07	245.72	153.15	34.93	45.01	9.46
Uqcrc1	ubiquinol-cytochr	19	3	1297.55	543.24	235.65	200.40	120.02	113.44	1780.89	1330.74	52.21
Uqcrc2	ubiquinol cytochr	98	5	1708.39	1304.05	527.62	1374.75	1917.22	1523.92	2017.55	2262.50	471.84

Uqcrfs1	ubiquinol-cytochr	7	4	1066.56	38.91	93.93	581.36	310.58	213.81	66.07	24.60	68.56
Uqcrq	ubiquinol-cytochr	3	1	1119.30	1593.06	0.04	78.68	842.82	214.47	0.02	11.47	193.99
Usp14	ubiquitin specific	1	1	0.03	7.08	0.04	0.02	0.03	17.87	9.44	0.02	0.11
Usp25	ubiquitin specific	17	2	1198.91	356.71	8.33	269.51	295.37	809.65	660.11	611.55	26.90
Usp8	ubiquitin specific	4	1	519.41	455.68	12.86	105.83	441.46	385.35	287.49	375.33	0.11
Vamp2	vesicle-associate	1	1	570.67	651.04	21.58	53.53	205.70	59.13	0.02	0.02	10.51
Vapa	vesicle-associate	55	5	933.44	254.84	125.26	173.20	1317.73	1556.26	1689.34	2078.43	1074.46
Vapb	vesicle-associate	1	1	4.13	1.52	1.45	0.05	2.51	4.80	0.96	2.11	7.21
Vars	valyl-tRNA synth	27	6	153.76	145.06	2.82	60.66	1301.74	747.11	939.41	977.01	1297.76
Vat1	vesicle amine tra	29	4	4467.39	5675.61	3170.54	2097.33	1689.21	1561.88	4061.77	4033.06	1395.05
Vcp	valosin containin	78	9	658.05	1824.51	7014.38	4832.63	1739.42	828.33	1462.82	1741.20	74.80
Vdac1	voltage-depende	234	14	9231.33	5747.21	308.45	3503.11	11432.53	6395.21	7098.64	7685.11	3122.37
Vdac2	voltage-depende	437	6	5024.86	4426.10	1013.29	1156.78	2310.59	2800.04	4354.43	4105.52	2744.07
Vdac3	voltage-depende	173	7	4909.52	4714.72	182.32	898.27	7517.56	7110.98	4808.17	5460.53	889.45
Vgf	VGF nerve grow	6	5	0.03	0.04	4.20	1.58	56.75	70.31	9.38	8.21	404.51
Vim	vimentin Gene	1345	20	9295.56	5537.94	2666.35	4103.02	7087.49	6011.97	14626.66	11533.23	8441.91
Vkorc1l1	vitamin K epoxid	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Vps26a	vacuolar protein	11	2	505.02	52.73	0.04	2502.51	327.58	603.17	514.16	338.69	308.33
Vps35	vacuolar protein	43	3	196.74	137.39	355.56	210.33	344.27	270.73	919.62	683.19	435.24
Vps41	vacuolar protein	46	3	2451.82	3134.74	5121.32	5454.80	1341.46	1040.36	773.66	718.57	2859.09
Vps4b	vacuolar protein	3	1	0.03	1.73	0.04	279.02	0.03	2.97	11.63	0.02	28.70
Vwa5a	von Willebrand fa	9	2	986.14	1660.51	237.48	393.48	228.46	184.89	82.13	42.67	425.34
Wars	tryptophanyl-tRN	36	8	2363.74	1907.44	208.76	350.37	170.14	130.89	855.23	559.30	154.78
Wdr1	WD repeat doma	5	3	1.12	0.09	1434.34	0.02	65.21	123.45	108.38	158.61	296.87
Wdr72	WD repeat doma	2	2	6933.99	792.75	60.75	76.18	4313.00	4223.62	35.19	0.02	0.11
Xpnpep1	X-prolyl aminope	1	1	1902.04	2857.03	19.29	7670.04	5717.29	314.96	3.39	4.99	8.73
Xylt2	xylosyltransferas	4	1	139.89	0.04	3178.96	51.35	187.65	131.97	784.16	725.18	0.11
Ybx1	Y box protein 1 C	2	1	2.26	1.13	1.09	0.47	1.18	0.09	0.02	0.74	10.29
Ywhab	tyrosine 3-monoc	5	3	8.66	36.78	1134.91	549.99	1.18	16.20	90.08	124.08	447.56
Ywhae	tyrosine 3-monoc	36	5	1371.24	1185.07	1914.49	6570.33	2224.32	1003.69	382.87	403.88	151.92
Ywhag	tyrosine 3-monoc	10	3	19.37	169.80	993.95	742.15	0.03	4.53	61.19	39.61	13.33
Ywhaq	tyrosine 3-monoc	3	1	0.03	0.04	982.02	6.13	0.03	0.02	0.02	0.02	0.11
Ywhaz	tyrosine 3-monoc	110	5	1268.10	883.57	1656.56	4464.15	2958.71	3005.88	2943.06	3254.36	2206.70
Zdbf2	zinc finger, DBF-	2	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	2742.04
Zfp599	zinc finger protei	1	1	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.11
Zfp800	zinc finger protei	1	1	7.08	8.10	21.46	7.76	2.23	1.52	0.65	1.53	0.11
Zmpste24	zinc metallopepti	18	3	23.41	55.78	3.18	0.02	25.74	13.62	44.10	176.48	0.11

Zscan10	zinc finger and S	1	1	1.54	5.88	4.94	0.02	0.03	0.79	0.55	0.02	0.11
mt-Atp6	mitochondrially e	5	1	0.03	0.04	0.04	45.67	0.03	0.02	72.97	37.02	0.11
mt-Co2	mitochondrially e	209	6	1627.78	2930.35	781.08	1017.59	441.36	461.98	622.54	551.61	2825.88

MP-Rv2	DC-BCG1	DC-BCG2	DC-KO1	DC-KO2	DC-Rv1	DC-Rv2
64.66	38.65	40.07	169.15	257.41	584.84	1372.00
0.05	0.10	0.09	0.03	0.03	0.04	0.04
75.81	1184.39	1083.46	114.68	25.59	46.04	0.16
367.07	0.10	7.02	13.45	20.93	65.92	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
25.83	99.11	20.53	7768.17	8703.48	16.20	180.82
16.60	0.10	0.99	17.63	22.57	41.47	102.15
70.85	34.43	0.09	0.03	0.03	1295.57	1082.72
41.61	147.53	70.13	5.43	54.23	173.80	287.85
44.04	0.10	13.17	2430.04	2603.31	47.82	0.04
300.20	202.65	166.23	33.25	31.58	26.69	8.24
1452.07	1299.31	1055.76	1568.45	1425.98	3334.01	3076.64
80.56	0.10	1.47	11.89	29.82	0.04	4.22
4.75	31.41	29.83	11.94	41.59	153.19	59.08
1322.16	2348.46	4845.42	2733.33	2635.82	758.82	456.72
41.19	0.10	0.09	9.27	4.32	42.06	0.04
862.98	141.08	90.73	21.77	29.02	51.41	38.79
0.05	0.10	0.09	17.55	0.03	29.47	0.04
1402.45	1233.75	1173.61	516.05	362.07	105.81	1.09
7248.63	21889.60	19705.61	542.22	414.46	4693.61	6336.25
1426.53	829.78	771.51	138.01	182.68	643.29	950.86
706.67	1267.47	1179.75	8.49	0.03	27.46	60.41
13.04	7.34	5.92	116.42	90.08	0.04	0.04
0.05	356.57	357.60	200.91	202.92	131.14	192.57
964.71	2244.43	1500.32	1133.77	1245.83	1332.40	2449.59
8960.18	22943.44	18753.75	6678.18	6000.34	13642.03	14677.98
0.05	1.76	0.09	0.03	0.03	1.50	3.27
184.44	259.32	128.68	302.66	629.70	43.27	0.04
0.05	0.10	0.09	2.70	4.24	1.86	2.74
28.77	3.34	0.09	7.85	14.28	20.34	0.04
60.40	154.03	137.99	84.93	245.77	132.73	212.02
0.05	1.54	0.09	9.86	0.03	0.04	0.04
2383.19	4331.51	4569.25	1832.36	1798.47	3027.42	3051.33
24977.12	14573.96	22092.28	15084.98	14195.07	18847.18	15536.00
13735.48	26009.80	19567.02	23087.22	21887.32	24789.57	35348.39
8019.87	326.65	313.98	753.19	867.24	2038.64	2348.55

504.00	609.99	1034.97	4666.22	4000.41	915.24	244.73
0.05	0.10	0.09	0.92	0.03	4.75	13.16
1054.08	1490.54	2226.08	8244.73	8916.67	746.81	909.73
9.29	62.05	60.95	2881.70	2448.03	157.26	40.33
3.03	5.82	5.76	1.19	1.20	2.26	0.04
29.41	133.60	91.55	54.20	53.06	26.00	84.62
0.05	0.10	2.48	0.03	1.95	0.04	1.07
17710.99	11667.77	12827.00	3420.36	4188.08	1098.34	1105.22
443.13	184.40	57.58	0.03	7.02	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	27.04
490.09	3659.15	4214.41	4482.23	4172.20	1234.32	1033.44
4.50	0.74	3.50	0.14	0.04	4.35	0.60
0.05	0.10	0.09	671.78	808.64	0.04	0.04
2567.13	2717.74	3274.82	47.68	44.96	3127.12	5663.17
2.01	0.10	2.43	0.03	0.03	22.18	12.79
504.79	506.75	372.73	247.04	246.36	838.76	887.27
12.80	132.99	95.67	198.22	124.75	15.88	17.81
162.61	606.81	1044.57	143.08	160.74	484.73	617.16
1355.69	4030.02	4395.24	1205.22	1087.96	2238.71	1929.42
1131.15	7156.75	6896.89	8747.98	8412.06	4700.81	1422.72
435.44	913.30	1378.64	2044.27	2334.25	1314.04	2444.67
140.37	351.39	280.23	66.10	51.52	97.11	275.81
150.25	117.95	155.37	212.64	120.82	195.35	414.18
82.08	17.21	7.66	82.90	235.68	9.62	35.34
359.09	26.87	33.89	0.03	0.03	0.04	1.99
140.08	170.88	73.58	26.06	45.71	276.84	195.60
0.05	0.10	0.09	0.03	0.03	7.54	0.04
3925.95	911.27	1861.41	447.55	656.37	3241.95	3044.10
3332.62	1963.10	2829.43	5493.65	6615.41	21569.90	15595.21
1510.92	1244.22	1410.68	5007.86	4157.87	1650.66	392.89
4881.96	995.46	1390.17	2639.43	2509.55	3831.52	2889.32
0.05	0.10	0.59	4.19	0.03	25.69	8.21
373.54	694.26	757.70	100.58	55.90	550.86	617.12
191.51	355.22	114.54	495.39	272.70	1675.24	1614.01
0.05	0.10	0.09	0.03	16.55	58.73	17.96
0.05	0.10	0.09	0.03	0.03	0.04	0.04
483.62	520.92	466.08	635.80	648.94	10.49	29.36

0.05	0.10	0.09	0.03	0.03	88.12	226.65
95.20	9.10	26.10	19.55	0.03	28.25	42.01
244.24	157.28	402.80	684.86	858.32	233.29	138.67
137.77	328.24	201.17	70.28	50.05	403.00	527.69
1618.05	947.96	913.75	104.26	171.37	117.02	650.95
4736.05	91.26	664.98	4906.07	5011.84	20411.69	12963.30
0.05	0.10	14.90	196.93	182.96	523.23	783.41
2.12	141.76	113.50	620.79	654.12	65.37	311.40
71.01	181.85	193.81	353.67	310.10	0.04	0.04
421.93	1731.04	1838.63	527.56	555.78	105.57	44.22
6.55	0.10	0.09	5.19	6.53	94.72	181.48
160.70	142.78	54.30	136.92	160.34	57.69	57.89
63.58	12.25	0.09	282.25	404.04	108.65	50.49
658.77	1575.01	1478.09	1564.74	1553.24	2277.99	1714.90
336.68	793.62	615.79	1958.76	2353.04	542.77	1024.96
69.21	0.10	147.61	59.91	88.03	437.78	509.10
148.66	15.06	5.69	11.05	5.28	11.02	10.32
540.63	474.43	497.64	168.01	127.02	230.03	258.87
333.95	295.90	258.47	758.10	790.07	275.70	502.53
17.56	3.44	0.27	6.86	4.93	161.37	183.73
903.14	161.19	40.78	474.95	345.13	482.04	501.49
607.05	2762.18	1848.53	1747.79	1556.52	825.32	200.83
0.19	0.10	0.09	0.03	0.03	0.04	0.04
102.41	887.78	884.14	1149.51	1219.89	843.40	1091.47
11.70	1.20	0.09	662.09	509.84	0.04	34.20
288.70	327.83	249.40	106.88	51.30	228.03	472.04
616.03	27.59	80.36	490.38	747.39	0.04	0.04
9556.66	5394.25	4651.90	6623.65	5470.01	8789.92	12946.06
65468.66	72370.07	68127.42	20493.32	18047.69	31539.20	10353.49
76.95	276.43	240.39	0.03	0.03	0.04	0.04
165.86	115.38	48.56	106.05	145.55	361.47	514.12
2389.00	2866.77	3943.43	928.17	796.32	823.74	715.43
721.99	1688.94	2859.39	783.97	801.86	29.27	9.02
387.83	86.38	228.86	4722.11	5089.32	221.12	175.18
0.05	0.10	11.70	0.03	0.03	0.04	0.04
717.63	3939.68	2167.58	825.30	999.87	6035.84	7181.58
127.71	242.67	181.14	319.36	274.68	33.83	13.59

105.00	70.78	42.81	91.60	165.37	1843.81	1018.71
212.85	49.63	3.88	46.12	82.15	2.55	60.23
10.91	5.79	3.78	26.51	14.75	37.22	38.11
989.21	0.10	158.55	0.03	0.03	867.04	38.12
19.20	20.31	9.63	28.38	34.33	0.04	0.04
0.05	0.10	0.09	1.39	2.85	0.04	0.04
6.64	58.62	8.33	11.37	29.77	8.91	6.21
128.10	0.10	13.43	860.82	438.39	198.91	148.18
121.12	3.85	13.94	47.52	49.36	48.89	161.09
0.80	566.27	619.53	13.50	14.93	292.44	638.53
111.84	39.67	30.16	4.03	0.03	1074.62	606.86
5.80	8.70	7.46	4.36	0.03	46.07	9.18
30.40	4.73	0.09	0.03	2.02	0.04	8.24
36.25	0.10	3.04	48.44	34.61	1.73	5.63
12.16	0.10	45.40	0.03	0.03	0.04	4.29
0.05	0.10	0.09	44.86	1.14	0.04	2.01
31.18	10.91	7.64	4.05	3.77	6.34	0.04
19.50	12.18	1.39	242.09	223.64	66.22	72.33
1103.42	1383.33	1099.34	5499.34	6234.47	3154.56	6132.20
220.95	8.25	1.60	0.03	0.03	0.04	0.04
108.90	10.27	65.61	5343.32	3394.77	9.86	10.13
46286.65	23751.32	16920.95	9967.25	10718.27	6205.78	6055.10
3232.56	1414.23	2516.44	615.97	794.86	4219.00	4503.13
3174.46	736.97	1114.53	4876.82	5623.48	2998.12	1760.30
27.90	5.51	14.69	2544.54	2091.47	1645.11	2094.80
2340.24	4157.17	4920.30	8820.23	9934.38	399.22	86.74
78.13	63.28	41.47	54.96	8.23	18.95	0.04
2183.89	1995.25	3162.54	1508.49	1601.28	1751.93	2313.50
172.37	608.16	511.34	1720.15	1644.46	98.40	351.11
53.11	312.87	406.42	746.36	522.89	585.31	968.85
0.05	0.10	0.09	62.79	46.50	0.04	0.04
0.05	17.87	24.64	0.03	0.03	0.04	0.04
34.62	53.14	3.80	740.76	562.47	1331.49	6291.89
386.10	656.02	573.82	215.28	158.37	0.04	21.73
0.05	0.10	0.09	0.03	0.03	0.04	0.04
562.57	205.48	218.31	0.03	0.03	0.04	0.04
11074.18	164.97	991.27	0.03	0.03	3234.27	1118.29

0.05	0.10	0.09	1040.89	1338.98	3733.74	2627.93
450.69	1503.63	1508.20	1895.61	1804.85	1983.25	1458.57
195.43	288.61	312.48	176.37	217.74	111.56	59.74
90.46	6.52	0.09	135.80	95.55	278.00	54.39
298.90	691.66	785.79	117.97	228.56	921.64	1217.66
3629.85	587.56	497.31	152.07	174.91	0.04	1.88
29.47	207.86	177.05	1291.92	1150.86	91.69	75.55
166.43	24.87	12.13	887.42	618.37	34.98	26.23
1383.49	526.22	534.29	395.15	499.62	355.04	547.35
0.05	108.37	84.35	0.03	0.03	34.04	51.49
0.05	0.10	0.09	0.03	0.03	0.04	0.04
95.51	85.34	61.48	122.49	90.41	0.04	0.04
363.19	2804.19	2035.00	2135.90	1255.67	344.16	597.85
639.27	813.77	453.56	75.01	92.31	446.32	501.65
682.14	471.36	297.53	151.09	142.39	751.53	1224.69
221.66	15.08	0.09	234.51	166.24	604.38	64.88
0.05	3.40	0.09	1.37	0.03	1.85	14.95
43.09	33.36	12.83	15.54	9.13	46.51	114.27
3338.03	7875.51	7220.18	2776.18	2429.04	3474.57	3710.66
0.05	89.57	21.26	286.68	212.43	0.04	36.09
330.98	0.10	0.09	311.47	309.76	1402.57	1759.77
11.59	106.21	67.92	14.84	7.35	0.04	0.04
70.40	141.43	131.97	331.56	291.42	12.76	131.72
1553.21	1107.09	1053.71	2607.79	3013.70	2590.03	757.05
8.22	0.10	0.09	0.03	0.03	0.04	0.04
0.05	0.10	0.09	0.03	0.03	11.00	13.80
147.03	584.66	429.29	158.77	212.09	763.88	1370.26
632.83	553.99	284.58	41.31	76.73	0.04	0.04
0.05	3.04	0.09	0.03	0.03	0.04	0.04
17.75	2.50	9.91	38.66	28.21	72.81	113.43
0.05	18.39	15.63	39.38	24.92	4.43	17.04
6.58	8.83	0.09	179.05	343.22	0.89	9.48
0.05	0.10	0.09	0.03	0.03	0.04	0.04
0.05	356.88	365.95	41.98	72.04	85.38	56.12
1120.92	2929.08	4390.92	1776.05	1679.58	1981.40	1545.99
6193.27	12750.56	11444.49	3762.69	3966.07	9539.99	7116.01
2496.24	1043.34	2626.73	1330.83	1294.48	3413.31	2897.00

42.10	25.44	140.68	48.26	76.12	104.85	45.49
1036.55	1811.08	2703.10	102.08	33.98	0.04	0.04
0.05	0.10	0.09	0.03	0.03	247.33	24.57
71.94	92.71	32.96	126.44	48.01	56.80	10.74
0.05	0.10	0.09	0.03	0.03	0.04	0.04
871.90	1290.72	2675.00	6841.85	6584.20	268.52	181.15
283.12	718.43	357.22	15.99	61.58	0.04	0.04
0.05	0.10	0.09	0.03	0.03	1.90	32.71
116.72	86.52	95.68	33.82	24.20	141.16	239.47
0.05	0.10	0.09	0.03	0.03	0.04	0.04
0.05	0.10	31.20	117.41	110.64	24.71	59.44
5.40	8.98	21.71	17.79	10.48	0.04	0.04
13.66	17.01	0.96	9.32	0.03	0.04	0.04
1.38	0.10	0.61	1.65	2.75	319.99	753.63
2480.11	914.27	1014.42	211.43	165.12	2169.38	2223.62
14.93	81.76	69.86	1128.38	1662.57	18.41	0.04
12.47	0.44	3.69	35.41	42.83	70.06	108.37
807.02	92.64	8.61	748.37	711.03	1613.17	1882.74
87.18	0.10	0.09	4.73	6.80	0.04	0.04
668.11	574.87	364.99	0.03	0.03	0.04	0.04
0.05	0.10	0.09	216.33	90.01	0.04	0.04
42.10	50.09	73.73	627.23	576.82	0.04	0.04
741.11	253.50	95.08	12.52	25.85	812.88	424.75
0.05	0.10	0.09	0.03	0.03	0.55	0.04
2.27	0.10	3.25	0.03	2.73	1.10	5.25
199.36	261.39	500.79	253.66	413.30	145.44	313.95
103.35	1185.07	757.87	2334.79	1408.59	14.74	0.04
88.41	4.58	0.09	0.03	4.74	0.34	0.04
75.89	0.10	0.09	2.41	0.03	0.04	2.20
1391.24	348.98	492.80	1070.65	1218.05	1601.81	2980.22
96.36	0.10	0.09	68.17	263.69	24.34	157.06
41.36	26.44	47.33	6.96	5.61	10.49	2.83
624.05	126.58	104.06	291.20	354.63	773.63	547.47
0.05	22.45	0.09	93.50	54.02	0.04	0.04
311.37	248.69	396.82	2021.90	1723.43	231.64	362.65
2345.35	172.47	382.04	502.66	758.39	1451.72	643.05
178.19	474.90	313.46	63.72	6.09	291.19	688.36

284.97	242.00	113.72	95.48	109.22	475.59	609.57
0.05	1.86	0.09	0.03	0.03	0.04	0.04
5.20	0.10	0.09	1.82	0.03	0.04	0.04
451.13	69.91	118.94	917.40	942.78	199.32	109.36
138.20	0.10	8.10	141.79	271.25	11.02	0.04
91.92	1224.93	1301.83	2557.51	2510.98	2215.13	2933.89
1515.29	1714.58	1526.15	299.52	393.51	425.54	278.60
222.94	614.65	555.64	2784.76	2930.62	138.05	150.34
1936.88	1505.95	830.08	358.31	391.35	130.09	28.13
1531.60	2046.92	2559.50	514.75	430.38	1157.08	1336.42
9.43	0.10	0.09	29.81	0.03	0.04	0.04
0.05	2751.71	1864.47	513.98	712.25	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
225.94	1287.30	1284.19	30.05	57.46	235.18	379.88
91.90	292.06	290.82	817.06	764.53	311.83	302.13
648.16	389.30	577.33	191.76	191.09	358.36	278.46
328.89	6.14	39.99	1949.03	1804.82	750.15	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
162.33	1015.93	571.66	811.53	760.48	48.07	0.53
0.05	0.10	0.09	0.03	0.03	0.04	0.04
4379.86	5387.44	4504.47	4736.70	4084.51	7408.16	10834.44
0.05	0.10	0.09	0.03	0.03	0.38	0.04
1191.01	2136.58	1883.21	16211.80	14080.51	3925.77	3353.08
656.62	2456.84	1912.01	2831.13	3623.53	593.47	461.72
312.48	127.34	224.67	987.24	564.51	1166.22	2410.29
7.74	810.57	561.66	1479.35	1149.78	2.24	1.90
73.96	500.05	328.26	1689.89	1739.28	473.91	169.73
0.05	0.10	0.09	0.03	0.03	0.04	0.04
283.23	614.66	556.14	969.06	1009.46	355.78	101.61
21.15	90.23	47.06	7.12	6.11	24.77	0.04
33.80	3389.71	2291.39	11.99	41.44	211.20	63.35
222.83	51.09	30.72	487.96	576.09	274.57	284.14
828.22	129.89	390.40	82.05	139.93	975.39	841.40
3091.75	2228.86	2903.41	75.57	17.22	3307.79	4801.20
522.76	282.86	516.25	0.03	0.03	0.04	0.04
0.05	22.20	23.10	0.03	27.34	6.07	22.61
0.05	0.10	0.09	0.03	4.90	101.79	303.78

385.23	172.74	75.46	210.21	183.97	76.50	18.70
20.52	0.10	0.09	0.03	0.03	623.99	1009.93
0.05	0.10	0.09	3.09	0.03	3.33	2.41
2454.05	595.30	302.89	5714.44	6319.43	1634.97	2495.05
197.89	0.10	0.09	63.57	35.40	479.98	384.26
665.38	1372.26	1141.70	58.85	50.69	678.22	1152.86
2.98	4.10	14.80	35.27	7.08	299.34	175.08
0.05	0.10	0.09	577.63	576.07	0.04	0.04
15.67	21.68	5.01	8.01	14.39	32.53	31.52
48.39	22.74	86.21	64.81	30.30	300.88	278.69
407.73	402.63	340.75	127.60	130.02	853.19	1462.06
114.79	33.18	24.14	53.76	81.68	0.16	0.65
1347.11	49.23	196.61	0.03	0.03	252.36	366.57
1427.19	969.44	754.32	587.20	546.08	1158.95	509.83
361.04	329.63	310.70	765.10	762.31	2702.64	2555.97
0.05	0.10	0.09	0.03	2.11	0.04	0.04
5636.30	585.11	456.50	104.83	111.80	974.48	1815.59
0.05	0.10	9.71	352.53	363.07	0.04	0.04
0.05	0.10	0.09	0.03	2.22	0.04	0.04
100.44	0.10	0.09	80.66	84.15	9.13	118.39
3031.25	1468.84	1506.20	2420.29	2633.92	1132.56	660.81
71.58	77.58	40.31	104.68	226.80	342.18	144.32
521.28	623.78	261.73	145.15	240.41	168.26	204.92
0.05	3.81	0.09	0.03	0.03	0.04	0.04
111.10	91.84	139.58	2642.73	2718.16	217.25	156.47
536.58	805.84	589.44	19.02	10.30	125.52	111.65
0.05	0.10	0.09	0.03	0.03	0.58	0.04
114.27	11.84	5.18	1050.33	925.60	1136.51	70.57
172.06	168.36	146.97	174.41	181.87	357.65	335.76
0.05	0.10	4.34	4.86	5.97	0.04	0.04
268.31	234.22	580.60	407.53	391.45	204.46	26.85
0.05	0.10	16.23	0.77	0.90	31.93	1.21
0.05	3.85	1.60	0.03	0.03	0.04	18.49
350.76	284.45	224.88	6.98	39.51	7.86	7.30
454.86	1041.72	855.58	612.37	586.09	528.60	613.73
384.33	1066.71	820.67	1073.24	520.80	130.82	60.76
920.32	8.51	125.31	246.29	310.38	2136.47	1994.01

612.47	292.51	301.49	4880.70	6254.68	575.69	322.75
14.35	23.44	24.30	43.84	38.58	104.92	103.36
236.24	74.51	214.68	1600.49	1483.68	2170.05	2144.61
0.05	0.10	0.09	25.74	5.75	0.04	0.04
15.04	0.10	0.09	4.02	4.62	0.04	0.04
165.12	1083.81	936.23	231.70	284.68	498.10	346.05
57.98	20.85	21.82	13.63	3.15	28.36	31.75
0.05	0.10	0.09	87.74	20.09	14.19	56.49
1570.88	6947.40	5020.11	1137.69	1588.39	1812.47	2374.69
1164.01	4416.72	4500.03	2306.99	2837.36	3599.62	4804.84
1065.74	2585.54	2516.84	952.96	772.51	1717.26	1064.62
6.97	789.87	897.62	57.81	110.66	2.41	3.60
57.39	481.26	366.05	97.30	170.51	212.30	180.53
27.82	2.93	18.83	12.13	13.69	41.80	30.77
0.05	0.10	0.09	0.03	0.03	0.04	0.04
1831.04	499.38	523.01	823.32	455.38	454.05	148.63
87.94	382.42	520.14	252.83	533.89	53.55	91.29
10.94	2.92	29.73	64.09	7.10	68.17	29.04
0.05	0.10	0.09	66.71	52.80	0.04	0.04
251.87	62.91	21.54	1222.26	969.80	199.72	330.86
15.00	9.68	0.09	0.34	4.79	13.60	0.04
429.27	165.99	157.18	146.41	540.32	53.04	0.58
75.32	1363.15	1553.34	346.80	362.48	713.12	830.51
0.05	0.10	0.09	389.62	381.25	155.58	0.04
701.47	153.53	128.17	0.03	2.50	0.04	0.04
256.37	0.10	0.09	171.05	317.87	30.60	5.15
0.05	0.10	0.65	7.96	7.50	0.71	0.04
3819.34	5558.43	5644.13	632.46	671.95	83.46	111.97
432.17	76.65	75.01	737.33	892.79	102.70	106.16
385.20	269.39	135.08	65.67	64.93	223.96	305.73
2910.58	4991.97	5804.00	5583.02	6505.62	2922.34	954.05
12.43	21.55	6.52	9.68	18.52	37.50	16.67
1050.25	61.90	37.42	60.59	56.64	124.93	809.62
0.05	0.10	0.09	0.03	0.03	0.04	11.19
54.56	144.90	168.58	60.43	52.76	0.04	0.04
293.85	95.44	98.51	75.86	87.23	0.04	0.04
7.35	2.36	0.09	14.08	4.58	15.27	21.29

203.75	27.43	519.65	2904.15	3267.50	0.04	0.04
0.05	0.10	0.09	514.25	977.44	73.70	0.04
617.50	511.27	483.19	3238.71	4372.58	10858.04	7294.67
16.52	153.50	660.95	433.80	419.50	577.68	1370.12
8.02	12.45	0.09	0.03	0.03	0.55	0.04
1862.10	715.09	721.49	6743.16	6650.12	565.09	480.48
0.05	0.10	0.09	742.68	1151.79	0.04	0.04
71.07	61.19	18.34	1542.59	1404.42	125.22	72.43
26.81	31.16	40.05	57.41	48.07	268.39	181.83
126.21	586.57	381.89	310.30	201.85	0.04	6.04
561.10	34.85	28.11	0.03	10.56	4.58	0.04
317.05	19.06	14.10	620.76	888.02	12.02	20.31
276.21	22.98	89.21	1469.46	1305.01	462.23	266.69
11.13	170.96	76.29	417.82	384.09	561.70	146.00
4.23	44.53	9.17	2.36	0.04	4.85	171.67
287.22	0.10	0.09	14.66	12.42	38.37	34.62
1191.23	1585.87	1007.19	1129.56	1586.43	457.32	581.62
0.05	0.10	0.09	0.03	0.03	0.04	2.79
732.26	1184.23	904.39	725.50	656.92	1118.82	1012.98
0.05	0.10	0.09	26.01	40.45	0.04	0.04
0.05	0.10	0.09	0.03	0.03	37.55	24.64
35.52	260.63	206.41	35.36	11.63	25.47	192.20
518.54	114.59	211.95	540.60	452.22	251.70	319.40
210.38	0.10	0.09	388.35	444.84	4.72	6.75
72.42	49.40	45.51	12.97	57.91	45.60	46.15
0.05	0.10	0.09	0.03	0.15	0.04	0.04
0.05	0.10	22.88	292.65	88.92	0.04	0.04
41.20	67.89	12.93	222.93	137.15	951.67	798.10
59.40	37.47	127.77	531.64	251.22	82.31	13.21
15.21	96.39	36.10	19.12	0.03	19.94	0.04
948.48	2458.04	1804.03	653.39	648.60	2034.57	2320.95
32.28	16.76	30.72	1285.49	1393.39	770.89	326.96
1481.80	35.18	156.75	90.33	82.53	23.01	10.02
0.05	0.10	0.09	750.73	635.10	1.94	0.04
571.89	556.73	488.91	2592.85	3876.44	537.28	332.16
682.41	190.58	514.39	282.10	501.73	5555.99	4841.15
632.92	456.68	569.61	149.33	165.18	79.60	0.04

50.64	10.58	46.97	84.00	116.33	0.04	0.04
54.81	0.10	0.09	41.96	42.40	0.04	0.04
52.26	46.27	49.41	0.03	0.03	0.04	0.04
57.11	1.04	0.09	40.08	31.77	0.04	0.04
43.54	360.40	510.27	34.29	47.49	20.05	0.04
190.24	387.86	597.78	508.69	652.02	420.64	255.78
0.05	822.82	441.74	0.03	0.03	0.04	0.04
2799.14	0.10	2.44	0.03	0.03	215.98	0.04
12.73	188.10	329.67	10.79	4.55	135.32	194.44
4.73	7.58	8.32	5.16	0.03	43.49	34.88
8.23	1653.80	1272.38	529.74	501.76	580.50	397.61
0.05	0.10	0.09	0.03	0.03	0.04	0.04
3461.91	6629.07	5373.73	9082.28	9348.32	13089.82	7669.11
12.42	176.07	163.23	0.96	0.03	0.04	0.04
2.15	3.38	0.09	5.02	0.74	2.36	2.98
4.60	27.30	8.12	1.36	4.24	14.99	23.11
314.95	211.73	282.42	7363.69	7237.78	57.38	77.91
12.60	13.37	0.09	0.03	0.03	0.04	25.19
195.66	99.64	103.43	74.20	67.21	0.04	0.04
844.71	444.20	191.77	0.03	41.73	85.83	601.52
0.05	45.74	0.09	12.74	36.28	16.48	0.04
194.28	51.31	31.91	936.90	546.51	1070.35	76.01
1053.75	3224.40	2901.58	1892.20	1484.39	2206.52	1843.81
1908.26	1116.10	1635.10	735.60	900.05	117.50	2.39
12.66	25.93	4.75	9.72	3.30	13.90	26.45
1348.48	1346.20	1863.74	552.31	675.86	152.96	311.92
44.41	44.39	0.09	180.81	143.08	61.12	142.94
0.05	0.10	0.09	0.03	0.03	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
0.05	0.10	0.09	0.03	0.03	123.04	200.67
131.99	271.23	230.01	290.58	199.47	24.44	16.85
294.45	177.07	102.93	1143.34	1080.98	27.65	140.67
41.48	9.53	15.99	83.23	118.41	0.04	24.73
362.86	528.91	450.65	3157.33	2390.26	2374.05	2580.67
38.20	1.54	0.09	0.03	0.03	102.14	343.60
0.05	5.35	0.09	7.93	7.82	123.40	178.96
2381.92	6377.60	4483.98	2242.78	2231.30	5833.13	11568.49

167.32	227.45	123.18	196.22	188.64	0.04	0.04
567.00	8.89	24.99	24.24	9.00	29.91	6.74
472.77	653.49	511.85	784.31	725.88	1632.79	1295.95
4.46	3.53	9.05	3.93	1.98	3.25	0.04
61.20	52.89	28.38	49.19	35.39	125.92	98.86
17.75	148.60	121.40	233.17	133.10	1.61	7.05
1157.85	839.22	1010.22	56.70	33.25	221.51	490.96
1435.42	1124.20	732.95	1952.11	1467.31	402.67	349.09
11742.10	12614.24	7387.52	33564.05	28817.07	21175.75	26935.04
21561.14	17985.81	19315.81	18801.54	22357.99	11853.15	11549.85
170.96	3.21	9.31	22.39	15.68	0.04	2.34
155.52	160.45	199.75	79.17	69.59	128.66	94.03
61617.73	53484.04	60280.19	45038.30	44815.57	50389.21	55690.27
13459.08	11673.55	10236.82	15781.21	16051.38	14395.76	9041.83
17652.93	21911.12	26704.32	9643.76	10159.57	22085.05	14061.33
19189.35	20099.33	15346.53	9506.05	11564.83	9856.00	12463.59
1642.50	1294.74	1545.16	673.76	713.20	1396.68	2362.01
3000.59	4160.93	3328.55	926.41	914.44	1030.93	871.40
0.05	284.60	471.99	16.30	18.52	19.81	0.04
4882.03	816.17	1098.17	713.58	845.39	301.20	151.68
16.71	35.63	0.09	3075.96	2634.28	77.03	104.25
2899.56	1194.09	2443.78	66.90	163.31	830.55	18.37
2.36	0.10	0.09	0.03	0.03	0.04	0.04
90.70	49.92	9.82	72.74	71.66	163.01	0.04
0.05	0.10	3.72	0.03	1.80	9.31	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
261.46	308.98	124.15	355.38	314.26	565.80	665.05
0.05	2.83	6.02	0.67	2.60	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
1798.52	2196.93	2550.48	1528.39	1815.06	990.97	1453.92
36.90	437.52	318.68	761.64	711.21	2564.17	1500.99
3.44	5.39	3.09	65.43	19.17	0.04	0.04
260.27	114.39	94.61	50.42	52.92	393.18	42.07
0.05	1.41	3.90	3.55	0.63	22.32	52.07
5297.86	6162.71	8427.25	1710.66	1989.93	7482.00	7414.48
6119.48	1765.53	1014.00	178.89	237.07	575.72	651.33
0.05	0.10	0.59	0.03	0.03	0.04	0.04

439.16	556.47	367.51	1236.05	968.79	1430.35	1757.21
41.24	185.37	143.71	14.89	0.03	50.08	105.90
1031.20	282.67	442.47	2009.91	1669.35	40.61	16.64
188.90	0.10	0.09	26.29	19.52	25.12	24.45
0.05	0.10	0.09	0.03	0.03	1.46	4.86
0.05	0.10	5.21	0.03	0.03	62.17	0.04
5.88	12.55	0.09	0.60	11.90	14.72	28.91
9.10	0.10	0.65	261.37	227.92	335.10	52.14
1084.03	1817.82	1737.15	427.60	332.64	721.50	498.99
3121.33	659.51	496.87	194.49	222.75	0.70	0.04
25.33	0.78	0.09	1.15	0.03	65.10	2.85
552.90	465.64	512.16	152.51	93.87	48.37	36.78
0.05	0.10	0.09	28.21	44.78	0.04	5.61
398.57	140.63	110.38	260.59	234.47	1036.73	1523.20
237.54	138.88	143.59	527.87	396.44	123.18	128.07
3.70	0.45	23.21	94.47	39.14	39.89	118.24
48.07	247.56	111.41	3.05	63.22	1265.06	1702.00
36.68	9.83	0.09	482.01	760.16	10.69	13.59
4449.01	16735.34	15234.00	22927.84	24589.99	26870.07	25343.73
431.80	1198.29	1039.98	2295.86	2167.63	766.02	877.58
866.71	1002.92	676.99	622.00	716.75	1374.31	2554.17
0.05	0.10	0.09	81.22	0.03	1497.96	1160.30
424.17	1841.94	1370.37	294.39	521.89	150.74	53.80
0.05	0.10	0.09	0.03	0.03	0.04	0.04
212.68	33.32	27.21	80.70	47.64	289.01	82.63
13.53	41.48	11.38	0.03	0.03	37.57	43.33
589.28	171.01	494.38	289.57	445.02	25.08	67.56
1349.95	461.23	753.56	3256.91	2318.61	288.93	115.00
988.21	798.72	1450.48	1241.05	1198.02	785.62	844.66
1410.71	705.71	769.05	87.74	235.27	512.14	1004.85
874.23	1537.19	1770.85	2154.14	2063.03	626.04	144.02
313.30	0.10	0.09	47.04	77.63	193.19	26.31
524.72	854.48	746.51	183.69	175.24	234.31	218.58
38.20	21.27	6.46	32.95	4.43	0.04	0.71
11.28	43.84	145.31	159.42	213.32	183.14	119.32
211.13	313.24	462.74	1101.78	992.34	75.33	79.90
237.25	2193.21	1306.42	138.49	217.35	134.15	224.94

123.53	213.29	138.71	0.03	54.46	25.44	69.21
0.05	8.93	28.24	122.87	162.96	0.62	0.36
131.96	513.85	830.43	190.42	407.47	230.22	285.05
0.05	6.19	1.19	0.03	0.03	0.04	0.04
1.47	4.07	0.09	14.40	7.38	0.04	0.04
72.79	87.81	59.03	287.58	424.28	15.00	19.86
0.05	0.10	0.09	0.03	0.03	0.04	0.04
1670.87	1023.86	590.01	71.07	53.12	0.04	1.08
259.30	898.85	542.12	213.89	136.52	495.86	1081.95
0.05	0.10	6.62	6.53	9.03	0.04	0.04
1420.90	1432.32	979.41	1351.57	1027.55	143.96	0.04
11.69	15.76	13.29	103.05	90.14	14.85	25.40
117.83	90.32	0.09	369.47	415.54	65.45	141.31
7.88	50.01	60.74	53.81	14.50	0.04	0.04
1146.86	3668.90	2497.94	88.98	47.19	537.81	1050.66
39.48	42.91	27.95	8.90	15.46	137.29	55.67
7764.02	11597.09	9309.91	2865.38	3195.67	5842.92	3416.78
1066.42	1084.23	1324.58	13.18	53.78	140.38	59.09
0.05	0.10	0.09	0.03	0.03	0.04	0.04
29.48	396.92	307.74	130.31	164.75	299.47	200.13
490.75	129.49	114.11	147.95	78.64	0.04	0.04
107.14	6.33	0.56	91.00	122.71	0.04	17.79
22.77	23.48	26.55	7.62	11.13	23.99	0.04
0.05	0.10	64.72	1933.45	2137.07	0.04	22.35
1095.78	0.10	323.54	0.03	0.03	25.22	40.76
2.44	0.76	0.09	23.09	38.02	0.04	0.04
214.71	16.09	5.88	6.56	1.18	0.04	0.04
629.36	299.18	232.68	88.68	133.48	729.71	667.97
5.87	10.15	122.60	106.81	133.83	0.04	0.04
518.96	1007.91	900.91	622.60	557.11	881.05	904.88
0.05	6.33	0.09	5.51	0.03	0.04	0.04
554.26	591.79	373.59	64.79	131.06	346.65	972.76
105.41	130.36	72.76	42.22	23.38	102.96	101.74
649.96	199.76	223.19	46.73	4.13	0.04	0.04
0.54	7.71	11.39	2.29	0.33	0.04	0.04
0.05	0.10	0.09	31.68	13.03	497.34	0.04
4092.67	4137.70	3339.37	5830.53	4975.24	11567.22	12582.97

2.46	0.10	0.09	0.03	0.03	0.04	0.04
186.16	117.13	492.52	285.36	299.42	1083.33	1348.98
64.46	78.59	58.15	152.31	400.00	19.79	3.72
2900.00	1530.75	2694.33	59.64	134.16	2325.05	3348.39
691.10	831.62	1468.16	2643.04	3024.39	350.24	207.75
784.27	68.37	15.05	48.49	81.80	571.81	1317.30
0.05	27.71	17.21	8.46	4.47	0.04	30.94
0.05	0.10	23.30	235.18	206.51	35.04	0.04
33.79	31.55	55.50	495.45	504.32	30.54	22.00
1420.67	9954.35	5853.79	1005.49	866.71	2920.77	3808.52
0.73	112.64	36.07	103.73	32.46	173.45	124.30
149.79	0.10	0.58	103.20	110.70	454.57	875.13
120.90	179.82	137.63	54.36	44.93	998.19	3151.91
5500.77	10724.90	10829.98	29857.35	34749.84	12805.39	16092.94
0.75	12.29	5.55	4.77	6.08	2.22	0.04
1509.58	2941.08	6325.06	2407.37	3137.82	860.26	338.93
9.54	267.90	511.32	797.05	597.00	486.43	906.81
0.05	0.10	0.09	44.10	11.07	551.24	153.22
1268.51	578.57	585.22	256.52	235.20	186.05	147.98
772.57	877.15	574.31	250.17	235.42	0.04	18.37
0.34	0.10	0.09	0.03	0.03	0.04	0.04
31796.22	2236.53	1722.94	1126.28	1036.30	1600.02	1600.22
96.57	16.51	8.40	63.86	60.18	71.07	21.38
4435.31	1262.44	1269.98	0.03	0.03	0.04	0.04
4.66	127.38	83.99	9.79	17.72	0.04	0.04
38.34	173.35	100.38	0.03	8.21	0.04	0.04
282.42	59.91	47.96	159.81	169.99	45.20	52.02
542.54	391.94	530.79	38.05	153.44	98.02	9.81
270.55	195.53	206.31	5.35	0.03	140.13	63.86
320.82	93.11	82.13	665.11	1210.72	163.63	155.81
3484.80	2144.76	1770.00	470.54	491.04	1376.76	581.55
427.23	1474.36	986.93	5114.63	4764.22	2450.62	2436.18
31501.01	31807.39	55531.63	7979.34	7982.85	29723.55	39018.84
3.98	6.20	0.09	4.17	2.71	3.68	43.28
59.19	365.40	322.46	12.17	7.03	204.99	153.24
0.05	0.10	0.09	0.03	0.03	0.04	0.04
0.05	390.45	433.69	8.85	1.49	0.04	2.41

53.66	637.78	387.28	519.55	382.89	183.85	0.04
208.60	825.71	1108.42	0.03	15.64	125.62	10.77
45.69	2420.06	1870.68	1580.28	1750.17	0.04	18.56
2.75	7.19	0.09	21.82	7.82	39.56	32.84
3.41	2.13	7.49	0.03	3.64	115.11	0.04
43.10	247.04	731.68	338.80	474.70	405.34	38.12
0.05	4.84	0.09	162.10	292.18	9.79	0.04
0.05	880.84	416.73	12.30	15.32	0.04	181.27
62.75	853.33	670.91	0.03	0.03	0.04	0.04
361.94	1497.92	1251.64	536.75	867.84	86.56	266.01
519.71	3013.23	3535.82	914.58	1073.11	849.78	554.89
0.05	1309.02	1049.07	0.03	20.72	98.52	192.31
0.05	0.10	0.09	0.03	0.03	20.60	50.04
147.19	851.85	780.02	47.81	41.02	80.59	185.51
289.34	809.93	709.34	203.79	205.13	695.40	1287.23
38.57	5.66	19.06	27.39	16.89	91.90	532.16
5.37	28.54	29.06	46.78	25.28	32.84	3.18
0.05	0.10	0.09	0.03	0.03	0.04	0.04
48.66	14.92	22.13	669.75	1123.26	128.16	19.65
312.12	287.96	64.22	1134.16	840.22	206.68	326.63
332.58	282.01	389.35	843.55	643.94	250.15	201.04
135.78	12.54	19.63	308.84	472.19	3550.38	3646.55
544.45	23.31	1.67	9.57	1.19	17.86	85.88
29.71	65.68	65.85	112.50	83.41	120.12	109.00
38.60	55.09	72.82	115.09	120.83	216.74	174.86
55.35	24.73	32.88	6.72	11.89	2.28	0.04
72.61	27.88	8.67	37.90	73.95	9.62	59.24
184.66	3.64	6.30	146.43	190.34	49.82	134.92
0.05	0.43	1.01	0.03	0.03	0.04	0.04
0.05	82.05	29.99	69.14	0.03	37.75	0.04
175.87	1.91	0.09	3.80	0.03	9.21	15.54
1445.28	321.41	297.27	215.74	195.43	409.00	431.77
2229.40	4541.88	4448.76	2957.86	2765.63	3012.28	3135.73
0.05	0.10	0.09	0.03	0.03	0.04	0.04
59.85	364.57	269.96	684.74	413.86	1006.75	768.76
55.81	6.71	4.83	12.66	34.68	0.04	0.04
10.16	8.79	15.85	3.55	4.44	25.23	5.25

1887.84	2129.06	2889.92	874.00	637.15	662.09	718.50
221.56	5.44	10.85	460.89	372.71	50.80	72.62
3.93	31.72	29.88	1.33	0.94	6.01	1.01
12.33	0.10	0.09	0.03	4.92	0.04	0.04
27.91	8.76	1.29	8.37	6.15	11.39	1.07
0.05	0.10	10.86	8.41	0.84	0.04	0.04
328.79	0.10	0.09	29.14	23.46	55.95	10.98
0.05	0.10	0.09	0.03	0.03	5.29	0.04
26.34	0.10	0.09	7.76	2.80	97.24	37.92
9.81	76.50	35.44	0.03	11.22	0.04	0.04
319.07	88.02	70.53	91.46	182.25	85.26	18.98
5.42	7.03	3.76	4.60	0.94	2.20	6.40
1331.32	537.52	522.16	38.75	51.44	0.04	112.48
39.67	44.63	67.06	57.04	25.75	0.04	0.04
10743.82	9393.36	8824.71	10299.61	9858.70	1870.11	234.46
826.70	186.15	357.02	288.07	411.37	527.43	199.39
719.35	1241.09	762.15	1766.15	1516.20	1712.35	976.62
512.81	0.10	0.09	330.12	668.53	86.40	8.03
0.66	0.10	0.82	0.79	1.15	0.04	0.04
0.05	0.10	0.74	0.03	0.03	0.49	0.04
128.31	2.39	12.06	15.24	12.22	57.26	123.94
90.99	0.10	19.16	65.18	28.79	72.97	47.43
9.74	19.33	35.20	510.60	418.13	0.04	0.04
189.44	18.63	10.61	42.64	26.96	9.84	13.15
3346.85	2304.85	3335.12	2299.38	2256.77	1408.23	3584.00
4865.98	3066.65	2750.77	125.07	128.48	3751.89	4355.53
640.05	317.08	222.49	1158.34	1480.43	31.91	57.13
4335.96	5527.76	6136.51	7223.12	7607.98	6719.37	11708.28
2374.58	3775.72	3438.39	3469.20	3957.70	885.78	1196.39
10610.12	5848.99	10058.03	11973.77	9740.27	3888.76	4254.74
17.12	2.04	19.20	0.03	17.31	1.11	0.04
5493.64	1746.77	1493.34	1544.83	1014.03	1.84	0.04
15.86	93.01	98.85	29.75	24.52	0.04	0.04
0.05	0.10	0.09	64.56	21.50	18.78	10.70
5.36	117.20	57.22	161.77	124.67	0.04	0.04
1149.55	707.12	399.33	279.07	340.67	523.27	183.58
536.46	731.39	1477.07	1800.57	1495.57	1002.37	73.43

2172.70	1077.38	1316.94	599.38	856.35	933.90	938.83
16.85	30.97	23.01	1398.72	1131.30	271.92	0.04
831.73	3047.77	1756.29	7564.58	7224.80	2603.43	3976.97
1365.32	8464.51	5131.86	639.85	691.71	1395.14	1847.51
0.05	20.81	0.09	43.13	5.77	11.53	13.53
221.52	411.51	474.89	317.25	291.23	81.79	164.71
0.05	0.10	0.09	15.07	1.82	0.04	1.12
2871.45	1753.25	2738.94	884.35	683.22	101.08	125.16
2450.59	3285.31	3465.03	1239.62	1569.36	631.28	363.56
0.05	0.10	0.09	0.03	0.03	0.04	1.86
1.48	0.10	0.09	0.03	0.03	0.04	0.04
509.84	973.46	739.98	522.23	475.14	0.04	0.04
0.05	2.46	0.09	0.03	0.03	0.04	0.04
1439.29	732.71	941.33	14444.99	13801.45	2579.86	2814.54
13.17	35.62	58.75	177.49	97.25	538.30	520.22
1873.22	1779.09	2225.31	1240.98	748.50	1529.81	1010.63
4736.88	6530.14	5827.53	15361.05	14642.06	11143.24	9479.02
8.80	25.52	41.39	0.03	6.73	33.41	43.15
0.05	1.90	0.09	4.01	8.19	0.04	0.04
452.69	156.62	69.69	1305.85	1285.07	1596.45	750.77
4709.01	4391.08	2149.93	3256.84	3145.07	14987.35	7054.96
0.05	164.00	114.71	692.08	680.98	1167.74	1493.62
0.05	4.69	0.09	0.03	1.44	0.04	0.04
205.10	39.58	17.89	236.12	133.75	168.31	10.74
103.57	21.48	25.76	7.07	8.72	7.68	0.04
0.05	61.96	101.88	0.03	0.03	0.04	0.04
26.48	56.46	29.30	62.32	84.45	75.21	54.28
24.28	206.23	78.28	6824.09	6448.69	327.66	700.97
7.46	122.52	71.18	844.38	642.68	88.96	37.59
1179.74	1430.19	1392.80	27.23	57.63	9.79	4.14
87.67	757.64	529.46	948.28	536.63	133.34	240.25
209.57	29.36	16.98	624.82	656.45	211.07	46.46
2677.23	922.80	1189.47	10714.15	10755.70	10534.08	7816.65
2.55	0.10	0.09	18.94	36.52	1.85	0.04
884.25	758.27	1083.55	659.74	547.86	1269.84	1803.75
1308.00	1245.54	1197.24	349.21	192.22	0.04	11.05
1831.34	0.10	87.53	703.42	803.75	1673.63	1406.05

144.13	11.88	15.44	15.09	20.79	448.80	835.47
14.71	1.69	0.09	4.45	8.40	6.74	15.66
1.09	0.10	0.09	0.03	0.61	7.02	0.78
445.89	3362.19	3000.33	3024.09	3397.05	1814.52	232.07
155.70	11.77	4.33	130.36	109.87	5.67	14.03
130.51	165.72	206.08	1165.45	1889.50	326.46	281.90
0.05	0.10	0.09	3188.99	2691.16	0.04	0.04
1221.66	1181.47	1787.49	35.39	34.44	1182.65	1306.68
2.28	10.52	3.32	0.03	0.03	0.04	0.04
0.05	0.10	0.09	632.71	702.01	0.04	0.04
0.05	0.10	0.09	0.03	0.03	1.86	0.04
378.60	214.28	408.15	140.86	181.67	621.56	466.17
0.05	3.66	0.09	0.03	0.03	0.04	0.04
215.64	157.27	172.78	148.08	197.74	93.68	100.92
1.18	0.10	0.09	1.82	0.25	0.94	0.04
74.42	47.12	18.99	99.66	94.35	95.90	48.39
69.01	0.10	0.09	201.84	138.96	39.23	10.24
4.82	4.51	3.80	3.65	0.67	83.86	15.75
7.85	4.33	30.48	1.62	3.04	28.57	1.69
71.16	145.74	258.25	66.49	107.18	52.05	0.04
330.00	303.07	170.02	361.25	341.58	1234.65	1679.07
0.05	12.85	16.06	0.03	0.03	49.19	146.32
16.65	26.31	29.97	83.21	80.38	247.66	262.92
0.05	0.10	0.09	0.03	0.03	0.04	0.04
693.27	757.12	528.93	837.18	880.58	1324.11	1676.06
14.87	18.11	9.96	9.21	5.17	1.33	42.96
3409.75	2286.38	3286.33	11017.37	9673.20	63.71	39.68
675.64	990.46	834.90	978.42	1294.56	1195.27	1343.67
5.91	982.13	1254.68	2062.46	1906.67	91.28	16.92
0.05	0.10	0.09	794.33	606.93	0.04	0.04
407.15	330.49	216.04	368.63	323.01	60.84	187.36
283.71	4.68	43.24	0.03	0.03	2.23	0.04
185.44	0.10	0.09	862.56	631.36	223.58	47.50
66.13	16.06	11.67	8.42	11.50	0.04	16.07
0.05	0.10	0.09	6.71	0.03	0.04	0.04
1974.54	3338.03	3121.25	972.67	941.25	2305.38	1421.00
55.47	173.99	170.44	32.21	81.99	6.72	0.04

383.17	629.55	299.14	0.03	0.03	1429.80	1050.56
595.72	1509.36	1494.42	809.99	1334.12	141.75	160.24
1193.24	913.66	1105.94	97.84	49.21	536.96	472.61
359.12	66.99	37.91	24.31	14.05	0.04	0.04
206.36	662.58	348.83	4038.81	4090.08	627.63	1099.12
2602.87	2147.60	1635.07	1806.50	1707.37	1532.20	1170.01
20.26	0.10	0.09	3.97	9.40	0.04	0.04
0.05	15.05	0.09	0.03	2.86	0.04	22.44
27.31	162.10	241.14	3990.53	3847.98	86.64	94.69
306.35	0.10	0.09	1692.08	845.48	219.85	0.04
0.05	0.10	8.52	0.03	0.03	152.88	316.52
409.75	270.17	180.14	10.74	14.08	82.36	223.36
4.40	0.48	26.69	0.03	8.58	3.31	5.19
85.71	222.77	187.74	34.26	67.41	92.56	170.86
588.42	856.05	991.82	25.19	33.81	1379.10	1298.25
0.05	0.10	2.31	4.24	11.09	0.04	0.04
10.47	0.10	0.09	302.14	264.49	358.34	90.71
95.65	923.63	1105.10	15.78	17.81	20.73	73.93
77.65	29.19	51.25	5.75	27.14	179.80	95.16
0.05	0.10	0.09	0.03	0.03	348.17	432.40
45.40	0.10	2.16	325.27	177.74	102.06	0.04
17.81	0.10	100.99	506.13	568.41	271.09	91.38
2.89	6.51	8.10	18.15	12.22	0.04	0.04
191.29	142.38	106.12	171.07	186.98	319.82	341.66
76.40	43.01	153.87	0.03	0.03	170.70	173.57
61.94	36.95	13.89	205.00	77.73	56.69	102.55
302.79	103.32	53.71	0.03	11.77	14.32	0.04
15.94	0.81	10.49	19.50	2.26	52.90	220.49
25.97	12.69	25.37	6.76	4.48	0.30	0.04
61.27	149.48	107.90	42.67	37.46	0.04	0.90
239.94	55.12	50.98	28.03	34.64	12.87	4.29
16.93	0.10	0.09	18.80	16.88	10.62	0.04
0.05	0.10	0.09	0.03	0.03	7.74	0.04
924.47	380.99	392.13	88.74	112.49	368.52	561.91
6.44	27.63	7.26	0.03	1.13	0.04	0.04
92.45	0.10	0.09	464.75	212.20	16.96	37.16
2961.77	2696.98	1900.62	2010.83	1402.75	10268.54	19484.42

0.05	0.10	0.09	10.53	0.03	0.04	0.04
0.05	38.35	7.50	172.46	122.49	0.04	0.04
1637.20	1823.11	1805.01	1405.38	1407.57	19548.66	33685.34
0.05	377.33	309.01	144.59	43.92	0.04	0.04
925.33	3508.24	2522.26	3149.93	3081.05	2567.68	225.14
450.67	72.85	95.71	1143.37	1565.74	420.44	375.29
232.61	266.56	255.33	0.03	0.03	0.04	3.17
0.05	0.10	17.04	1268.11	933.34	0.04	60.48
40.24	1265.25	1181.00	8.62	10.29	16.85	139.00
9.50	49.87	30.97	1238.39	1237.87	11.58	36.13
4571.24	3095.10	2024.62	666.62	718.23	383.08	478.93
20.35	0.10	22.82	1242.25	1194.64	74.29	119.89
301.45	424.27	279.48	42.96	0.03	428.22	197.38
10.47	119.32	55.13	88.95	483.67	0.04	40.78
403.22	380.87	590.78	158.77	227.95	2805.31	432.37
0.05	0.10	6.09	254.46	24.41	0.04	0.04
856.48	2018.91	2122.33	3346.34	3468.72	1383.42	283.79
215.67	0.10	0.09	841.28	1332.84	0.04	0.04
13.62	8.66	0.09	4.85	17.35	7.57	8.48
2374.34	1915.15	1765.49	1806.16	2029.13	239.36	42.46
235.87	959.06	830.53	926.71	1177.79	397.64	820.09
1.25	0.10	0.09	186.69	75.00	219.66	94.77
4092.03	4737.59	4352.33	7437.25	7260.98	1482.99	1392.55
1923.46	2302.77	1940.09	1754.95	1517.29	1572.81	1727.93
32.18	41.04	37.67	101.48	32.02	369.35	704.23
153.27	0.10	0.09	52.30	149.50	61.04	188.26
19.87	0.62	3.99	973.77	906.83	622.35	383.20
0.05	0.10	0.09	671.92	1284.85	24.27	0.04
2.26	34.24	7.23	0.03	0.03	0.04	0.04
7.65	0.10	0.09	0.03	0.03	0.04	0.04
3179.31	3671.03	2303.67	1467.80	1457.57	3626.13	5375.78
0.05	18.82	0.09	2328.78	2411.93	535.88	194.08
5267.73	7764.04	6665.26	3719.82	3957.81	11822.73	12844.65
22.28	24.39	22.80	3.57	3.58	99.47	44.69
2431.02	2266.90	3033.96	0.03	25.35	5.27	11.75
0.05	0.10	0.09	1.13	0.03	0.04	0.04
0.05	21.95	0.09	7.71	86.25	1.25	83.29

311.05	948.14	802.50	299.80	340.11	1053.73	836.17
6.04	0.10	0.09	32.10	31.11	119.17	74.55
176.63	81.18	93.84	3321.78	2213.56	419.24	259.54
6.10	30.40	533.38	315.13	288.99	130.55	16.62
1557.11	757.19	806.31	1424.60	1231.89	524.82	309.47
215.82	536.62	479.79	292.28	289.05	251.66	375.29
549.57	317.20	678.24	1914.16	1996.07	155.41	114.41
0.05	0.10	0.09	0.03	0.03	15.92	0.04
538.95	361.83	171.65	479.90	439.17	478.03	393.39
0.05	0.10	0.09	0.03	0.03	2.34	0.04
68.55	0.10	0.09	676.36	780.34	0.04	0.04
63.70	19.03	10.85	211.74	214.83	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	3.44
14.10	11.49	12.62	0.03	0.92	136.68	6.49
257.09	265.66	169.17	353.20	235.68	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
350.07	1725.67	1155.65	20.68	35.91	174.94	84.45
633.17	709.08	583.39	0.03	0.03	0.04	0.04
1218.80	1658.96	1698.49	0.03	0.03	1074.42	1680.03
0.05	80.87	92.14	0.03	0.03	0.04	0.04
46.61	80.29	60.30	1715.73	1900.66	1404.49	1048.13
0.05	26.82	8.36	0.03	2.28	0.04	10.29
0.37	1.25	2.09	224.86	123.55	0.04	0.04
0.71	112.87	33.25	2.17	0.91	4.52	9.49
565.81	139.16	842.02	615.24	530.07	1368.41	1263.87
9.09	54.85	0.09	191.53	193.26	76.54	54.22
3.04	0.10	0.09	0.03	0.38	152.85	7.11
103.51	63.25	98.95	491.20	529.45	725.37	537.79
17.98	0.10	0.09	16.68	0.03	8.31	41.57
0.05	371.00	118.77	490.04	427.75	0.04	0.04
57.27	375.69	624.90	719.64	662.59	0.04	0.04
5317.31	9572.04	11667.46	1699.73	2033.71	7870.81	8887.10
367.98	1689.34	982.49	0.03	0.03	1499.27	1508.95
700.31	72.77	72.71	689.20	706.24	40.54	202.80
126.15	9.29	16.56	0.89	8.04	12.93	0.04
6.23	0.10	1.22	0.03	0.03	2.01	0.04
0.05	5.50	16.09	0.03	0.03	0.04	0.04

1103.21	2704.39	2174.45	88.33	143.42	2286.74	3281.74
53.19	0.10	0.09	0.03	0.03	40.84	35.98
0.05	0.10	0.09	92.10	35.40	269.65	915.77
0.05	0.10	0.09	0.03	0.03	0.04	0.04
106.12	27.32	10.72	26.63	25.48	93.21	65.10
344.75	0.10	0.09	0.03	0.03	0.04	0.04
717.11	1112.91	1029.32	145.15	213.58	525.03	2544.78
42.59	730.85	538.21	1333.04	769.65	206.91	497.03
157.29	283.90	215.58	716.61	689.19	176.88	517.33
0.05	0.10	0.09	0.03	0.03	0.04	0.04
0.05	0.10	0.09	63.28	18.89	0.04	61.55
33.37	13.37	0.09	0.03	0.03	0.04	0.04
518.21	500.44	432.92	3257.96	3475.08	450.25	494.35
1709.55	942.30	817.90	195.75	182.87	1306.69	2390.65
0.05	0.10	3.50	13.02	11.29	20.32	6.15
66.89	77.30	67.82	110.02	250.12	95.35	56.99
816.89	70.93	28.04	430.06	542.46	145.49	374.53
1507.15	267.36	236.39	317.19	625.31	1469.31	888.11
1376.69	1162.77	1268.57	96.66	100.52	104.44	115.68
58.54	670.02	596.64	172.93	260.14	41.70	25.85
1609.33	2597.49	3018.49	18.60	8.49	543.15	869.04
2524.62	2570.83	2718.82	534.09	463.50	307.59	93.19
156.77	35.64	25.90	147.13	141.81	261.29	382.84
0.05	241.98	124.88	0.81	23.56	4.96	18.71
1666.19	1668.68	1545.62	1636.96	1527.25	1963.84	1850.78
60.67	1695.60	1187.69	413.05	298.15	1069.97	205.40
2379.41	2358.85	2840.12	5895.71	6227.42	4369.41	5823.31
14.17	66.40	21.70	23.23	16.74	14.15	12.82
941.02	1804.31	1401.99	444.60	399.04	390.40	496.11
0.05	6.47	9.51	39.41	3.48	9.93	130.83
1252.51	248.64	201.70	335.58	296.28	1007.96	1280.87
0.05	0.10	0.09	0.03	0.03	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
119.53	26.05	12.06	244.60	212.04	446.01	128.25
821.65	20.95	13.82	504.99	517.72	0.04	0.04
0.05	0.10	0.09	333.05	250.33	0.04	0.04
314.71	385.13	492.96	0.03	15.79	730.56	23.88

30.16	0.78	0.09	56.08	113.39	45.85	0.04
30.43	9.23	1.81	0.03	0.03	0.04	0.04
0.05	0.10	0.09	1.73	10.08	0.04	0.04
30.23	9.86	26.75	0.03	0.03	31.34	1.27
962.08	91.68	331.74	39.70	71.53	327.07	911.46
31.19	0.10	0.09	2.69	17.43	0.04	18.24
1258.18	511.63	817.31	0.03	0.03	290.90	0.04
56.82	10.02	85.53	0.03	0.03	0.04	0.04
496.55	230.89	344.34	1971.38	2113.18	2969.98	2274.31
2775.86	3440.98	4136.19	1858.76	1648.80	2596.68	4831.43
0.05	11.57	0.09	682.93	621.10	0.04	0.04
1685.27	2397.85	1068.59	150.67	237.79	1427.43	1674.18
2.16	5.55	20.78	1.67	8.77	49.20	19.00
0.05	0.10	0.09	3.69	0.03	9.66	10.36
1.72	3.99	89.23	125.69	80.33	107.45	47.60
9.51	22.83	11.00	334.89	254.88	65.68	0.04
180.65	329.22	81.15	1.44	9.40	22.75	25.26
14.60	39.68	92.39	286.37	321.58	22.22	0.04
1627.04	330.33	159.05	1219.13	1774.16	1016.70	2270.75
0.05	0.10	0.09	0.03	0.03	0.04	0.04
45.00	41.57	8.49	414.12	599.00	140.98	26.05
2641.99	280.64	510.43	337.34	367.96	1304.09	1677.27
2.38	12.07	2.47	306.56	375.99	6.09	2.45
12.74	114.35	23.17	46.80	5.84	0.04	0.04
0.05	371.41	431.80	0.03	15.54	0.04	0.04
1606.76	2107.72	2148.67	2865.33	2543.57	629.81	1060.49
113.68	318.73	271.37	170.06	209.73	233.16	264.25
214.58	617.86	495.01	284.62	345.43	1266.63	2586.59
222.48	0.10	0.09	0.03	0.03	0.04	0.04
0.05	0.10	0.09	156.37	387.24	245.84	0.04
3343.73	1748.89	1403.05	1312.55	1284.63	7846.55	7858.70
694.64	120.83	229.43	0.03	0.03	111.62	360.53
2043.65	7634.58	8408.82	7558.41	7440.31	16253.09	7416.23
112.30	39.57	36.69	33.21	24.10	106.06	196.46
413.05	118.93	77.46	31.18	49.45	36.80	7.20
170.56	0.10	1.44	46.51	52.46	20.32	0.04
7052.57	2035.66	1747.81	1022.72	1149.40	0.04	0.96

0.05	0.10	0.09	3.62	7.77	17.93	33.53
50.03	8.11	9.08	75.87	24.94	808.87	129.32
105.25	45.57	51.44	0.03	0.03	0.04	0.04
112.76	16.57	123.82	135.41	116.40	1136.85	1700.40
1823.20	552.47	367.91	167.64	197.04	108.70	122.11
9.28	0.10	0.09	44.67	8.70	253.76	23.99
0.05	0.10	0.09	0.03	0.03	0.04	0.04
0.05	8.28	0.09	1393.46	1218.93	0.04	0.04
12.73	120.10	90.41	54.22	99.37	0.04	0.04
3.63	70.88	75.47	57.04	79.62	48.75	28.10
179.69	440.18	224.50	2800.63	3339.28	1202.86	1961.73
2272.45	1357.16	929.47	4254.84	3580.52	4464.41	5944.34
9.58	60.26	0.09	3.01	0.03	17.14	3.67
341.08	155.46	184.75	169.03	158.63	1037.86	3116.10
84.67	165.80	183.98	130.77	401.41	16.88	80.62
32.05	10.24	11.80	4.51	6.56	52.62	99.47
362.74	387.53	588.20	47.32	21.69	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
9.37	0.10	0.09	59.62	0.05	0.04	0.04
0.05	0.10	0.09	0.03	0.03	0.04	0.04
5791.58	56.04	213.29	1822.76	2686.90	1136.03	1906.62
46.33	130.96	94.02	17.12	11.67	0.04	0.04
43.37	8.78	0.09	27.54	147.75	28.30	12.18
129.20	87.73	63.95	6732.19	7129.03	4183.59	6737.20
5669.72	1646.29	1104.25	703.93	843.94	745.68	163.43
7.08	0.10	0.09	0.03	4.35	0.04	0.04
169.10	472.13	379.40	199.00	216.10	354.45	461.54
46.53	1564.36	1116.09	0.03	0.03	0.04	0.04
216.44	0.10	0.09	18.34	117.75	60.10	67.27
238.17	1314.63	796.08	0.03	0.03	37.43	0.04
122.12	2034.90	2207.33	221.90	194.41	780.21	982.76
0.20	3.43	0.09	397.89	261.28	6.50	0.34
172.08	167.64	140.20	117.85	98.11	754.02	997.82
58.60	64.77	190.57	89.70	155.49	377.16	605.17
180.34	184.80	172.59	209.16	208.86	939.16	1328.26
992.59	1202.73	616.94	6026.82	6191.50	361.34	167.86
304.24	1159.12	981.07	22.37	16.17	18.63	0.04

314.97	499.24	342.71	877.13	789.44	919.87	706.42
23.03	22.71	45.55	1433.51	569.70	62.61	117.15
747.55	350.28	340.47	130.33	146.64	577.68	849.51
710.83	1024.90	951.66	2234.78	2915.41	373.80	466.85
292.41	376.18	323.70	344.90	333.05	628.21	783.16
0.05	0.10	0.09	250.49	191.84	10.99	0.04
421.60	0.10	0.09	6.17	8.82	4.93	1.17
72.95	0.10	0.09	1.30	1.85	0.04	0.04
0.05	0.10	49.42	0.03	0.03	0.04	34.18
285.22	290.42	157.26	1198.89	2070.24	1072.66	820.29
632.64	0.10	3.59	0.03	4.49	5.92	2.25
0.05	0.10	0.09	0.64	0.03	21.24	0.04
27.96	0.10	8.66	12.60	14.39	105.75	74.93
22469.37	8583.22	10282.16	11190.94	9980.45	17336.42	6786.74
22.88	42.87	37.33	0.46	3.65	0.04	0.04
10.58	5.96	8.71	5.73	0.03	164.24	7.65
326.64	4.36	0.09	445.51	160.51	14.96	9.13
440.89	0.10	0.09	2.14	34.82	14.32	76.00
579.14	31.47	38.21	734.36	904.90	277.27	404.61
12876.19	4914.35	5344.86	10777.48	12335.02	28679.16	26671.86
608.77	70.09	305.08	28.48	1.61	1096.12	919.07
507.43	330.77	891.39	1667.58	1809.35	88.05	558.64
22.42	30.48	23.08	15.54	7.74	12.83	9.79
138.79	68.61	72.28	250.03	249.37	0.04	8.28
934.19	520.69	197.61	0.03	7.74	6.10	2.21
482.31	659.88	679.31	621.06	596.33	552.09	570.01
121.37	0.10	4.95	109.06	213.05	154.17	153.50
2881.56	404.08	1487.93	1239.53	1358.81	5316.94	3479.35
0.05	24.79	15.31	1.17	17.96	15.49	0.04
0.59	11.28	0.09	0.03	0.03	0.04	0.04
339.96	915.41	778.70	631.18	662.04	851.96	681.26
0.05	1.24	0.09	0.03	0.03	0.04	0.04
6.69	13.15	11.22	11.00	3.99	0.04	0.04
0.05	0.10	2.35	6.55	1.61	847.98	313.14
0.05	15.05	36.77	736.27	702.89	39.68	28.36
13.33	27.54	0.09	3.07	2.15	28.98	62.43
172.99	85.44	39.18	1535.36	1252.73	580.21	404.45

1.49	11.65	0.87	50.22	10.26	499.10	154.84
19.25	0.10	0.09	0.03	0.03	66.78	106.83
0.05	0.10	3.77	273.16	347.97	25.65	0.04
565.20	943.43	1337.40	1187.26	1092.39	63.59	8.00
0.05	0.10	0.09	21.32	9.61	1284.99	81.17
20.35	22.57	6.65	175.97	72.74	0.04	0.04
237.62	855.04	729.05	2275.24	2304.94	693.68	1383.31
3.14	18.25	7.37	3.13	1.50	1.28	5.74
603.48	334.43	288.71	409.38	310.18	163.76	134.37
1553.88	898.83	967.98	465.83	359.60	666.72	961.70
789.36	276.95	293.12	351.56	475.60	657.04	210.33
1908.31	3930.19	3041.14	1381.91	755.91	598.57	589.16
1941.96	1562.91	2008.89	3237.23	3077.16	5714.58	3507.00
782.66	2148.76	3748.60	3516.89	3472.05	1561.20	575.71
181.32	71.16	83.23	13.73	22.14	181.37	99.86
3357.40	4259.92	3385.10	4201.71	4067.32	2196.70	2221.86
0.05	1.64	0.09	0.03	0.03	0.04	0.04
415.74	147.82	160.42	208.46	264.74	67.00	0.04
1030.57	411.40	338.52	311.27	375.36	1148.16	1565.55
1440.10	1662.83	1534.30	1817.28	1850.38	2891.84	4498.02
12.30	0.10	23.54	2.71	5.65	0.04	0.04
408.28	406.33	314.20	355.68	313.18	954.26	683.31
52.02	70.21	117.10	215.58	322.20	871.45	910.93
130.47	2.63	3.33	1275.12	983.62	36.85	126.15
0.05	9.39	59.05	743.50	489.43	0.04	0.04
11.30	0.10	1.20	1.20	8.47	0.04	5.17
0.05	0.10	0.09	0.03	0.03	0.04	0.04
1.46	0.10	0.09	0.03	0.03	0.04	1.24
409.57	1190.11	1162.10	10.65	25.49	69.45	177.62
282.23	169.87	199.78	624.58	236.76	229.28	105.38
0.05	0.10	1.41	5.63	0.03	0.90	0.04
0.05	0.10	0.09	0.03	0.03	0.04	1.47
851.58	25.65	33.51	1057.76	901.47	298.59	93.31
702.84	1348.07	2126.49	0.03	0.03	344.15	520.90
0.05	0.10	0.09	0.03	0.03	273.25	284.70
1.41	0.10	0.09	1.07	0.26	1.82	0.87
1.99	0.10	0.09	0.03	0.03	0.04	0.04

7.07	4.78	7.62	0.03	1.99	1.52	7.79
376.78	783.08	869.83	0.03	0.03	0.04	0.04
1063.97	2693.40	1759.30	376.61	362.68	1057.81	1223.70