

Class13: Transcriptomics and the analysis of RNA-Seq data

Hanhee Jo (PID# A59017994)

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In today's class we will analyze some published RNA-seq experiment where airway smooth muscle cells were treated with dexamethasone, a synthetic glucocorticoid steroid with anti-inflammatory effects (Himes et al. 2014).

We will use the **DESeq2** package for the heavy lifting in a little bit but first let's read the data and get to know how things work.

Data import

There are two datasets that I need for this type of analysis:

-countData: the transcript abundances (counts per gene) -colData: metadata about columns in countData (i.e. experimental setup).

```
counts <- read.csv("airway_scaledcounts.csv", row.names=1)
metadata <- read.csv("airway_metadata.csv")
```

Q1. How many genes/transcripts are in this dataset?

```
nrow(counts)
```

```
[1] 38694
```

Q2. How many “control” experiments are there in the dataset?

```
table (metadata$dex)
```

control	treated
4	4

```
sum(metadata$dex == "control")
```

```
[1] 4
```

```
all (colnames(counts) == metadata$id)
```

```
[1] TRUE
```

Find the mean counts per condition

Let’s find the average gene counts for control (i.e. rows) and treated conditions (i.e. columns)
-extract all “control” columns/experiments -then find the row wise average for these columns

```
control inds <- metadata$dex == "control"  
control counts <- counts[, control inds]  
control mean <- rowMeans(control counts)
```

Do the same for the “treated” columns to produce `treated.mean`

```
treated mean <- rowMeans(counts[, metadata$dex == "treated"])
```

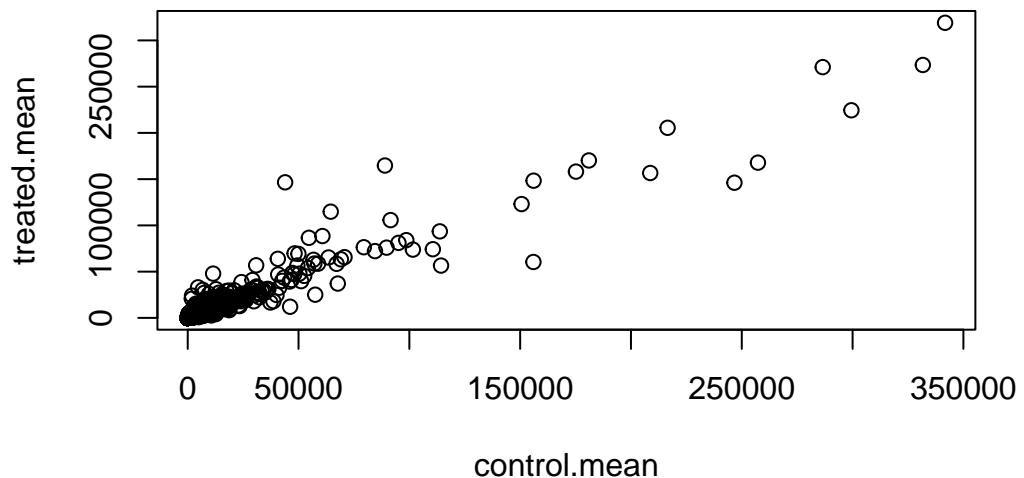
Let’s store these mean values all in one data.frame

```
meancounts <- data.frame(control mean, treated mean)  
head(meancounts)
```

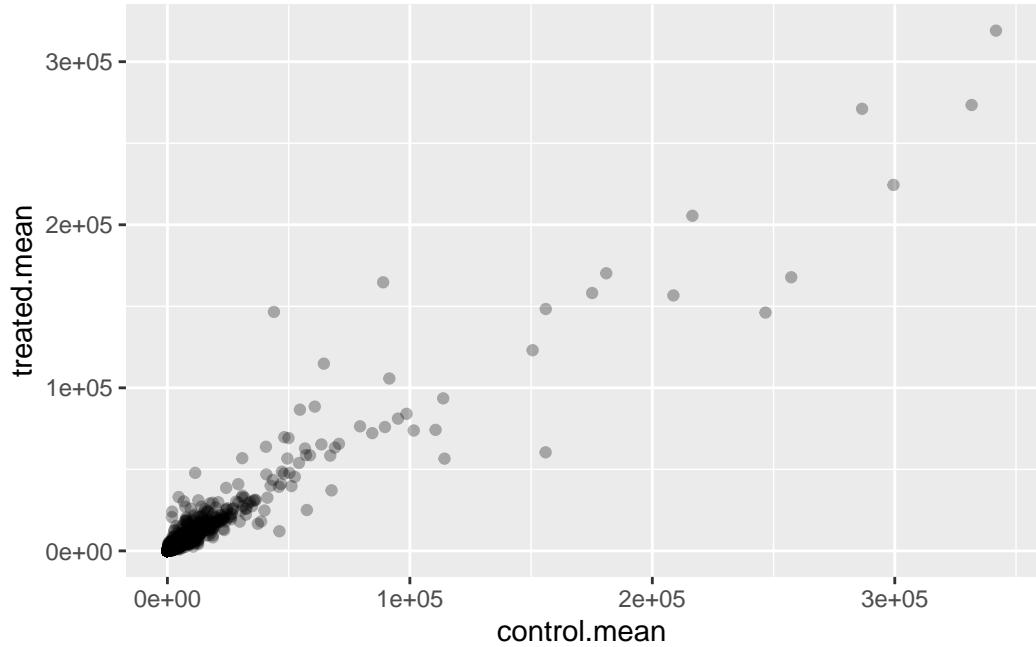
	control.mean	treated.mean
ENSG000000000003	900.75	658.00
ENSG000000000005	0.00	0.00
ENSG000000000419	520.50	546.00
ENSG000000000457	339.75	316.50
ENSG000000000460	97.25	78.75
ENSG000000000938	0.75	0.00

Make a plot of control vs treated

```
plot(meancounts)
```



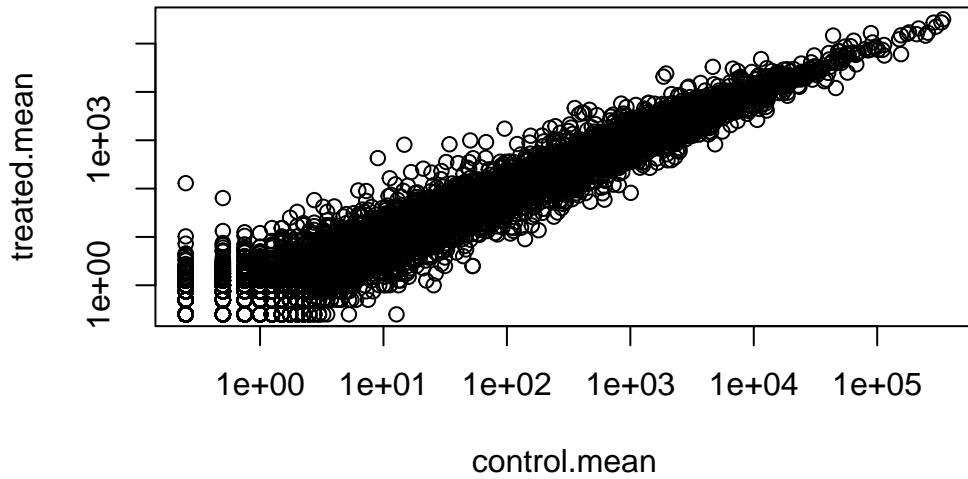
```
library(ggplot2)
ggplot(meancounts)+aes(control.mean, treated.mean)+geom_point(alpha = 0.3)
```



```
plot(meancounts, log="xy")
```

Warning in xy.coords(x, y, xlabel, ylabel, log): 15032 x values <= 0 omitted from logarithmic plot

Warning in xy.coords(x, y, xlabel, ylabel, log): 15281 y values <= 0 omitted from logarithmic plot



Log fold change

We most often work in log₂ units - why? Because the interpretation is much more straightforward.

```
log2(20/20)
```

```
[1] 0
```

```
log2(20/40)
```

```
[1] -1
```

```
log2(40/20)
```

```
[1] 1
```

Calculate log₂ fold change (`log2fc`) of treated/control

```

meancounts$lof2fc <- log2(meancounts$treated.mean/meancounts$control.mean)

head(meancounts)

```

	control.mean	treated.mean	lof2fc
ENSG000000000003	900.75	658.00	-0.45303916
ENSG000000000005	0.00	0.00	NaN
ENSG000000000419	520.50	546.00	0.06900279
ENSG000000000457	339.75	316.50	-0.10226805
ENSG000000000460	97.25	78.75	-0.30441833
ENSG000000000938	0.75	0.00	-Inf

There are some weird numbers in the log2fc values like -Ind and NaN all because I have zero count genes. I need to filter these out (i.e. remove them) before going any further.

```

to.keep <- rowSums(meancounts[, 1:2] == 0) == 0
mycounts <- meancounts[to.keep,]
mycounts

```

	control.mean	treated.mean	lof2fc
ENSG000000000003	900.75	658.00	-0.4530391627
ENSG000000000419	520.50	546.00	0.0690027876
ENSG000000000457	339.75	316.50	-0.1022680513
ENSG000000000460	97.25	78.75	-0.3044183266
ENSG000000000971	5219.00	6687.50	0.3576935844
ENSG000000001036	2327.00	1785.75	-0.3819410894
ENSG000000001084	755.75	578.00	-0.3868395811
ENSG000000001167	527.75	348.25	-0.5997313207
ENSG000000001460	226.75	185.50	-0.2896833639
ENSG000000001461	3169.50	2701.25	-0.2306281009
ENSG000000001497	589.50	519.50	-0.1823680641
ENSG000000001561	110.50	106.75	-0.0498102998
ENSG000000001617	695.25	543.50	-0.3552518043
ENSG000000001626	11.25	8.00	-0.4918530963
ENSG000000001629	2146.00	1679.75	-0.3534035458
ENSG000000001630	1117.50	895.75	-0.3191067879
ENSG000000001631	936.00	826.00	-0.1803667482
ENSG000000002016	251.25	173.50	-0.5341879335
ENSG000000002079	2.25	3.25	0.5305147167
ENSG000000002330	735.00	678.50	-0.1153954343
ENSG000000002549	1249.25	1256.75	0.0086354710

ENSG00000002586	8802.75	8456.50	-0.0578936153
ENSG00000002587	1.75	2.25	0.3625700794
ENSG00000002726	1.25	1.75	0.4854268272
ENSG00000002745	9.75	4.75	-1.0374747054
ENSG00000002746	125.00	126.00	0.0114956388
ENSG00000002822	385.25	348.00	-0.1467076507
ENSG00000002834	7889.00	9618.25	0.2859319880
ENSG00000002919	237.50	270.75	0.1890338244
ENSG00000002933	498.75	527.50	0.0808542525
ENSG00000003056	1962.25	1769.00	-0.1495748115
ENSG00000003096	581.25	268.25	-1.1155806401
ENSG00000003137	149.25	61.25	-1.2849491823
ENSG00000003147	9.00	10.00	0.1520030934
ENSG00000003249	146.50	101.00	-0.5365453717
ENSG00000003393	900.00	896.00	-0.0064262692
ENSG00000003400	107.00	79.00	-0.4376862382
ENSG00000003402	2244.25	4612.50	1.0393155161
ENSG00000003436	6153.75	4372.50	-0.4930074503
ENSG00000003509	338.25	285.75	-0.2433364358
ENSG00000003756	3384.25	2724.50	-0.3128446557
ENSG00000003987	24.25	36.25	0.5799962478
ENSG00000003989	33.75	52.25	0.6305435350
ENSG00000004059	1562.75	1867.50	0.2570212405
ENSG00000004139	341.00	293.50	-0.2164112359
ENSG00000004142	1498.50	1527.50	0.0276532962
ENSG00000004399	4037.50	3593.00	-0.1682733245
ENSG00000004455	1376.50	1215.00	-0.1800482961
ENSG00000004468	5.50	6.25	0.1844245711
ENSG00000004478	664.00	603.75	-0.1372319576
ENSG00000004487	1510.25	1080.00	-0.4837560742
ENSG00000004534	1563.50	1129.00	-0.4697337332
ENSG00000004660	100.00	60.75	-0.7190436862
ENSG00000004700	1390.00	1673.00	0.2673525624
ENSG00000004766	550.50	461.50	-0.2544119159
ENSG00000004776	13843.75	11041.50	-0.3262986165
ENSG00000004777	126.25	80.50	-0.6492226995
ENSG00000004779	380.75	374.25	-0.0248417204
ENSG00000004799	270.50	1429.25	2.4015577911
ENSG00000004809	1.50	1.25	-0.2630344058
ENSG00000004838	23.00	11.00	-1.0641303374
ENSG00000004846	35.75	10.25	-1.8023193322
ENSG00000004864	158.75	153.75	-0.0461701814
ENSG00000004866	686.75	405.00	-0.7618630973

ENSG00000004897	1894.75	1552.25	-0.2876465750
ENSG00000004939	11.50	7.00	-0.7162070340
ENSG00000004961	499.25	401.25	-0.3152610354
ENSG00000004975	1199.75	854.50	-0.4895814160
ENSG00000005007	2255.50	2410.00	0.0955858604
ENSG00000005020	779.50	745.50	-0.0643406704
ENSG00000005022	1430.75	1230.50	-0.2175269491
ENSG00000005059	211.25	212.25	0.0068132124
ENSG00000005073	0.75	0.25	-1.5849625007
ENSG00000005075	640.25	631.75	-0.0192815887
ENSG00000005100	481.50	546.50	0.1826856978
ENSG00000005108	9.00	16.25	0.8524428116
ENSG00000005156	347.25	248.25	-0.4841809765
ENSG00000005175	399.50	328.00	-0.2844996883
ENSG00000005187	31.50	22.00	-0.5178483049
ENSG00000005189	96.25	62.50	-0.6229303509
ENSG00000005194	476.00	476.25	0.0007575191
ENSG00000005206	711.25	713.75	0.0050620931
ENSG00000005238	815.00	644.25	-0.3391794273
ENSG00000005243	1093.75	899.00	-0.2828899961
ENSG00000005249	250.50	344.25	0.4586460509
ENSG00000005302	472.25	488.25	0.0480692475
ENSG00000005339	2897.25	2516.00	-0.2035522561
ENSG00000005379	160.00	163.50	0.0312187306
ENSG00000005381	4.50	9.00	1.0000000000
ENSG00000005436	305.25	307.50	0.0105951152
ENSG00000005448	228.00	257.75	0.1769386032
ENSG00000005469	490.25	375.75	-0.3837445263
ENSG00000005471	48.75	18.50	-1.3978769481
ENSG00000005483	1994.75	1873.75	-0.0902794681
ENSG00000005486	968.75	821.00	-0.2387421833
ENSG00000005513	5.50	3.25	-0.7589919005
ENSG00000005700	641.00	553.00	-0.2130448764
ENSG00000005801	258.75	195.00	-0.4080847386
ENSG00000005810	3123.00	2719.25	-0.1997237747
ENSG00000005812	1365.50	1616.25	0.2432210559
ENSG00000005844	4.50	2.00	-1.1699250014
ENSG00000005882	1192.00	984.50	-0.2759211246
ENSG00000005884	1232.00	1447.75	0.2328102408
ENSG00000005889	839.25	816.25	-0.0400895453
ENSG00000005893	5427.25	5032.25	-0.1090177698
ENSG00000005961	13.50	7.50	-0.8479969066
ENSG00000005981	8.00	5.00	-0.6780719051

ENSG00000006007	2644.00	2705.50	0.0331730645
ENSG00000006015	412.50	362.75	-0.1854185051
ENSG00000006016	151.50	165.75	0.1296910766
ENSG00000006025	209.00	114.75	-0.8650087887
ENSG00000006042	3365.00	3136.75	-0.1013359543
ENSG00000006047	0.75	0.50	-0.5849625007
ENSG00000006062	333.75	201.75	-0.7261991633
ENSG00000006116	0.75	0.25	-1.5849625007
ENSG00000006118	592.25	365.00	-0.6983098295
ENSG00000006125	7030.25	6700.75	-0.0692534111
ENSG00000006128	0.25	1.00	2.0000000000
ENSG00000006194	570.25	567.25	-0.0076098376
ENSG00000006210	11.25	20.50	0.8656989083
ENSG00000006282	1533.25	1318.75	-0.2174218572
ENSG00000006283	90.25	40.00	-1.1739269320
ENSG00000006327	660.75	610.50	-0.1141132247
ENSG00000006432	8.25	6.00	-0.4594316186
ENSG00000006451	1410.00	866.00	-0.7032562326
ENSG00000006453	248.25	187.00	-0.4087554476
ENSG00000006459	436.25	384.50	-0.1821715331
ENSG00000006468	211.25	214.00	0.0186594552
ENSG00000006530	298.75	280.50	-0.0909379423
ENSG00000006534	1073.25	1346.25	0.3269601720
ENSG00000006555	6.00	3.75	-0.6780719051
ENSG00000006576	1311.00	882.00	-0.5718171247
ENSG00000006606	5.25	3.75	-0.4854268272
ENSG00000006607	815.50	1102.50	0.4350218737
ENSG00000006625	198.75	175.25	-0.1815404162
ENSG00000006634	112.00	72.75	-0.6224795791
ENSG00000006638	79.50	49.50	-0.6835263352
ENSG00000006652	1185.25	1089.00	-0.1221874390
ENSG00000006659	1.75	1.25	-0.4854268272
ENSG00000006695	183.00	194.25	0.0860709501
ENSG00000006704	315.75	274.75	-0.2006632528
ENSG00000006712	1302.75	999.25	-0.3826426820
ENSG00000006715	2495.25	2091.75	-0.2544739319
ENSG00000006740	46.00	43.25	-0.0889337284
ENSG00000006744	931.50	1013.00	0.1210064999
ENSG00000006747	27.25	31.50	0.2090955987
ENSG00000006756	585.25	523.25	-0.1615526229
ENSG00000006757	182.00	165.25	-0.1392881787
ENSG00000006788	2.75	19.75	2.8443491295
ENSG00000006831	1075.00	1148.25	0.0951001237

ENSG00000006837	84.50	65.50	-0.3674564347
ENSG00000007001	2.50	1.75	-0.5145731728
ENSG00000007038	0.75	1.00	0.4150374993
ENSG00000007047	891.75	793.50	-0.1684090876
ENSG00000007062	3.25	2.00	-0.7004397181
ENSG00000007080	655.75	725.00	0.1448350926
ENSG00000007168	4213.00	3992.00	-0.0777361952
ENSG00000007171	1.75	1.25	-0.4854268272
ENSG00000007174	2.50	2.75	0.1375035237
ENSG00000007202	6982.00	6563.50	-0.0891750167
ENSG00000007237	549.25	290.75	-0.9176837730
ENSG00000007255	125.75	135.50	0.1077344515
ENSG00000007264	3.00	3.00	0.0000000000
ENSG00000007312	1.75	2.00	0.1926450779
ENSG00000007314	1.00	0.50	-1.0000000000
ENSG00000007341	278.50	309.50	0.1522620819
ENSG00000007372	38.75	43.75	0.1750867066
ENSG00000007376	265.50	270.50	0.0269167330
ENSG00000007384	1887.00	1853.00	-0.0262315416
ENSG00000007392	761.75	644.25	-0.2416969628
ENSG00000007402	18.75	26.25	0.4854268272
ENSG00000007516	12.75	9.25	-0.4629719763
ENSG00000007520	604.50	599.00	-0.0131863365
ENSG00000007541	645.75	698.00	0.1122512981
ENSG00000007545	632.50	638.25	0.0130561528
ENSG00000007866	1410.50	1855.50	0.3956013351
ENSG00000007923	1066.75	964.75	-0.1449950667
ENSG00000007933	871.75	770.00	-0.1790560132
ENSG00000007944	437.50	286.75	-0.6094895307
ENSG00000007952	8.00	13.00	0.7004397181
ENSG00000007968	4.00	4.00	0.0000000000
ENSG00000008018	1596.75	1484.50	-0.1051613572
ENSG00000008056	14.75	20.75	0.4923963820
ENSG00000008083	272.25	353.50	0.3767781661
ENSG00000008086	426.50	354.00	-0.2687963812
ENSG00000008118	9.75	4.75	-1.0374747054
ENSG00000008128	563.00	549.75	-0.0343592232
ENSG00000008130	1319.25	2093.00	0.6658543281
ENSG00000008196	1.75	0.50	-1.8073549221
ENSG00000008226	8.75	7.50	-0.2223924213
ENSG00000008256	2458.00	5247.00	1.0940078743
ENSG00000008277	20.25	17.50	-0.2105669859
ENSG00000008282	1898.25	2080.50	0.1322602802

ENSG00000008283	557.00	529.50	-0.0730466433
ENSG00000008294	3317.25	2724.75	-0.2838638765
ENSG00000008300	86.25	109.00	0.3377317731
ENSG00000008311	475.25	929.00	0.9669919697
ENSG00000008323	10.25	13.00	0.3428877135
ENSG00000008324	103.75	137.75	0.4089409823
ENSG00000008382	163.50	169.25	0.0498651981
ENSG00000008394	4053.00	3946.50	-0.0384164262
ENSG00000008405	292.75	284.75	-0.0399733288
ENSG00000008438	0.50	2.75	2.4594316186
ENSG00000008441	12969.25	9544.25	-0.4423913140
ENSG00000008513	2022.50	1313.50	-0.6227235022
ENSG00000008516	27.00	24.00	-0.1699250014
ENSG00000008517	162.50	77.00	-1.0775093672
ENSG00000008710	4750.75	5727.00	0.2696243140
ENSG00000008735	18.25	21.00	0.2024928639
ENSG00000008838	1248.25	1145.00	-0.1245593083
ENSG00000008853	793.25	936.00	0.2387329137
ENSG00000008869	739.50	720.25	-0.0380523919
ENSG00000008952	5380.50	5338.50	-0.0113058124
ENSG00000008988	11842.25	10446.00	-0.1809926069
ENSG00000009307	17268.25	15369.25	-0.1680751195
ENSG00000009335	2132.00	2218.00	0.0570519274
ENSG00000009413	6053.50	10538.75	0.7998623361
ENSG00000009694	6.25	13.25	1.0840642648
ENSG00000009724	48.00	31.75	-0.5962778139
ENSG00000009765	5.50	16.50	1.5849625007
ENSG00000009780	160.50	192.00	0.2585330136
ENSG00000009790	5.50	6.25	0.1844245711
ENSG00000009830	441.50	438.50	-0.0098365952
ENSG00000009844	970.50	831.25	-0.2234457774
ENSG00000009950	5.75	7.75	0.4306343543
ENSG00000009954	3183.25	2835.75	-0.1667701150
ENSG00000010017	1781.75	2606.00	0.5485421595
ENSG00000010030	21.75	12.00	-0.8579809951
ENSG00000010072	199.00	158.25	-0.3305629311
ENSG00000010165	1015.25	838.25	-0.2763825441
ENSG00000010219	278.75	215.00	-0.3746351452
ENSG00000010244	2863.25	2784.75	-0.0401058265
ENSG00000010256	1628.25	2082.25	0.3548210658
ENSG00000010270	834.50	754.50	-0.1453911488
ENSG00000010278	3249.75	4328.75	0.4136217451
ENSG00000010292	1319.50	1222.00	-0.1107470655

ENSG00000010295	1310.25	1109.50	-0.2399324414
ENSG00000010310	25.75	16.25	-0.6641327142
ENSG00000010318	74.50	73.25	-0.0244116660
ENSG00000010319	0.50	2.00	2.0000000000
ENSG00000010322	3015.50	2323.75	-0.3759423701
ENSG00000010327	1.50	0.50	-1.5849625007
ENSG00000010361	249.50	246.50	-0.0174521690
ENSG00000010379	1.75	0.50	-1.8073549221
ENSG00000010404	2923.75	3068.75	0.0698311628
ENSG00000010438	18.25	20.00	0.1321035360
ENSG00000010539	152.50	144.00	-0.0827404310
ENSG00000010610	71.75	54.75	-0.3901198671
ENSG00000010626	174.75	129.25	-0.4351281751
ENSG00000010671	0.75	0.25	-1.5849625007
ENSG00000010704	543.00	412.75	-0.3956839829
ENSG00000010803	815.00	757.50	-0.1055541708
ENSG00000010810	1827.25	1689.75	-0.1128642193
ENSG00000010818	1820.00	1309.00	-0.4754733531
ENSG00000010932	25.50	29.50	0.2102177074
ENSG00000011007	1371.75	1393.75	0.0229542292
ENSG00000011009	486.75	483.50	-0.0096650892
ENSG00000011021	727.75	662.00	-0.1366117173
ENSG00000011028	19624.75	14996.75	-0.3880243927
ENSG00000011052	287.25	196.00	-0.5514532385
ENSG00000011083	0.50	0.25	-1.0000000000
ENSG00000011105	3505.50	3807.50	0.1192238019
ENSG00000011114	635.25	630.00	-0.0119726417
ENSG00000011132	233.75	215.50	-0.1172784957
ENSG00000011143	188.25	138.50	-0.4427638886
ENSG00000011198	801.50	1517.50	0.9209220910
ENSG00000011201	0.75	0.25	-1.5849625007
ENSG00000011243	885.75	709.00	-0.3211139329
ENSG00000011258	436.50	319.00	-0.4524252299
ENSG00000011260	405.75	423.25	0.0609189733
ENSG00000011275	1849.25	1691.25	-0.1288503416
ENSG00000011295	430.75	423.25	-0.0253407283
ENSG00000011304	3398.25	4033.75	0.2473296811
ENSG00000011332	14.75	22.25	0.5930903816
ENSG00000011347	204.25	107.25	-0.9293584306
ENSG00000011376	455.00	418.00	-0.1223636030
ENSG00000011405	1492.00	1729.00	0.2126903334
ENSG00000011422	403.75	389.50	-0.0518389315
ENSG00000011426	281.50	220.25	-0.3539929032

ENSG00000011451	1529.50	1495.25	-0.0326733893
ENSG00000011454	2157.25	2569.50	0.2522942745
ENSG00000011465	331697.00	273445.50	-0.2786126435
ENSG00000011478	119.50	182.50	0.6108858458
ENSG00000011485	901.00	1205.00	0.4194341353
ENSG00000011523	858.00	874.25	0.0270682432
ENSG00000011566	1116.25	1815.75	0.7019054047
ENSG00000011590	4.00	2.75	-0.5405683814
ENSG00000011600	1.75	1.50	-0.2223924213
ENSG00000011638	864.00	865.50	0.0025025072
ENSG00000011677	0.50	2.25	2.1699250014
ENSG00000012048	378.50	129.25	-1.5501290197
ENSG00000012061	1245.25	1118.50	-0.1548701546
ENSG00000012124	3.75	1.25	-1.5849625007
ENSG00000012171	1683.50	919.25	-0.8729345446
ENSG00000012174	765.25	754.50	-0.0204102390
ENSG00000012211	125.25	134.75	0.1054746696
ENSG00000012223	0.75	2.00	1.4150374993
ENSG00000012232	1327.00	1325.50	-0.0016317005
ENSG00000012660	2189.50	2657.25	0.2793325164
ENSG00000012817	778.75	643.50	-0.2752201097
ENSG00000012822	5672.75	6851.25	0.2723189442
ENSG00000012963	366.75	319.75	-0.1978526068
ENSG00000012983	2301.00	1979.50	-0.2171249162
ENSG00000013016	1701.50	2308.25	0.4399923353
ENSG00000013275	473.00	502.25	0.0865654754
ENSG00000013288	3350.25	3259.25	-0.0397287375
ENSG00000013293	376.75	122.00	-1.6267263640
ENSG00000013297	5568.00	1514.75	-1.8780795056
ENSG00000013306	1060.50	990.25	-0.0988799196
ENSG00000013364	8592.50	8505.00	-0.0147667107
ENSG00000013374	1569.25	1496.00	-0.0689650337
ENSG00000013375	1648.25	1217.25	-0.4373095808
ENSG00000013392	269.25	205.75	-0.3880539141
ENSG00000013441	2537.50	2856.75	0.1709669663
ENSG00000013503	333.00	281.25	-0.2436690810
ENSG00000013523	455.25	319.25	-0.5119723973
ENSG00000013561	918.50	1014.25	0.1430616761
ENSG00000013563	596.75	545.00	-0.1308704314
ENSG00000013573	269.00	204.00	-0.3990370206
ENSG00000013583	1369.50	1611.50	0.2347549224
ENSG00000013588	701.50	543.50	-0.3681630686
ENSG00000013619	1047.00	1231.50	0.2341551856

ENSG00000013725	8.50	7.50	-0.1805722456
ENSG00000013810	91.25	99.00	0.1176039663
ENSG00000014123	975.75	824.25	-0.2434295758
ENSG00000014138	204.25	142.00	-0.5244451486
ENSG00000014164	471.25	444.00	-0.0859329418
ENSG00000014216	3381.50	3822.50	0.1768531478
ENSG00000014257	23.25	13.25	-0.8112383565
ENSG00000014641	1640.00	1418.75	-0.2090754224
ENSG00000014824	1330.25	1418.00	0.0921601291
ENSG00000014914	666.25	469.75	-0.5041704662
ENSG00000014919	699.00	555.75	-0.3308564123
ENSG00000015133	2.75	4.75	0.7884958948
ENSG00000015153	255.50	249.00	-0.0371775489
ENSG00000015171	2409.00	2108.75	-0.1920463251
ENSG00000015285	7.00	5.25	-0.4150374993
ENSG00000015413	0.50	3.00	2.5849625007
ENSG00000015475	368.50	332.50	-0.1483102787
ENSG00000015479	6074.75	4394.50	-0.4671260104
ENSG00000015520	32.00	6.00	-2.4150374993
ENSG00000015532	713.25	679.75	-0.0694035956
ENSG00000015568	182.50	132.75	-0.4591846030
ENSG00000015592	0.50	2.25	2.1699250014
ENSG00000015676	1735.00	1544.50	-0.1677957918
ENSG00000016391	155.00	62.25	-1.3161224732
ENSG00000016402	15.25	5.50	-1.4713057189
ENSG00000016490	0.50	0.25	-1.0000000000
ENSG00000016864	1654.00	1529.75	-0.1126633353
ENSG00000017260	3271.00	2569.25	-0.3483844814
ENSG00000017427	920.75	682.00	-0.4330377529
ENSG00000017483	611.00	320.50	-0.9308480232
ENSG00000017797	2937.75	3948.75	0.4266844030
ENSG00000018189	1129.00	858.00	-0.3959959333
ENSG00000018236	60.25	43.25	-0.4782611086
ENSG00000018280	17.00	17.00	0.0000000000
ENSG00000018408	2914.25	2931.00	0.0082683232
ENSG00000018510	840.00	826.50	-0.0233745084
ENSG00000018610	318.00	258.25	-0.3002584164
ENSG00000018625	1092.50	377.50	-1.5330847302
ENSG00000018699	281.75	267.75	-0.0735290354
ENSG00000018869	63.75	58.75	-0.1178364903
ENSG00000019102	5.75	9.25	0.6858914096
ENSG00000019144	3287.25	3868.00	0.2347066152
ENSG00000019186	26.50	1.75	-3.9205655325

ENSG00000019485	280.00	358.75	0.3575520046
ENSG00000019505	1.25	1.50	0.2630344058
ENSG00000019549	3054.50	3075.75	0.0100020040
ENSG00000019582	55.75	34.00	-0.7134370587
ENSG00000019991	1773.50	832.00	-1.0919438968
ENSG00000019995	1556.25	2798.50	0.8465799106
ENSG00000020129	1324.00	913.75	-0.5350317160
ENSG00000020181	11392.75	8666.00	-0.3946778874
ENSG00000020256	379.50	284.75	-0.4144040437
ENSG00000020426	253.25	240.75	-0.0730264710
ENSG00000020577	2014.00	4303.50	1.0954467855
ENSG00000020633	86.25	103.00	0.2560479755
ENSG00000020922	537.50	546.50	0.0239567412
ENSG00000021300	20.00	13.00	-0.6214883767
ENSG00000021355	562.25	717.75	0.3522696694
ENSG00000021461	3.25	3.00	-0.1154772174
ENSG00000021488	4.25	2.75	-0.6280312226
ENSG00000021574	533.00	497.50	-0.0994390073
ENSG00000021645	21.75	55.00	1.3384162177
ENSG00000021762	1231.50	1626.75	0.4015759259
ENSG00000021776	1362.25	1415.50	0.0553202583
ENSG00000021826	379.50	281.25	-0.4322467893
ENSG00000022267	9314.50	11955.25	0.3600940662
ENSG00000022277	2153.50	2121.25	-0.0217686638
ENSG00000022556	4.25	2.50	-0.7655347464
ENSG00000022567	158.75	161.50	0.0247775730
ENSG00000022840	2759.00	2786.00	0.0140498012
ENSG00000022976	194.25	167.00	-0.2180664959
ENSG00000023041	677.00	694.00	0.0357798290
ENSG00000023171	129.25	78.50	-0.7193997214
ENSG00000023191	2482.00	2436.00	-0.0269889822
ENSG00000023228	1803.00	1853.25	0.0396581146
ENSG00000023287	2860.50	2910.00	0.0247518088
ENSG00000023318	1390.75	1504.50	0.1134210011
ENSG00000023330	1139.75	885.75	-0.3637459437
ENSG00000023445	61.25	59.25	-0.0478946901
ENSG00000023516	2043.00	1841.25	-0.1500036788
ENSG00000023572	93.25	100.00	0.1008243695
ENSG00000023608	335.00	485.00	0.5338236517
ENSG00000023697	478.00	508.75	0.0899462712
ENSG00000023734	1957.25	2165.25	0.1457055648
ENSG00000023839	16.00	24.75	0.6293566201
ENSG00000023892	6.25	5.50	-0.1844245711

ENSG00000023902	658.00	828.00	0.3315431838
ENSG00000023909	1221.25	2747.00	1.1694983482
ENSG00000024048	1364.50	1380.50	0.0168184933
ENSG00000024422	11539.50	12507.50	0.1162127382
ENSG00000024526	23.50	17.50	-0.4253058347
ENSG00000024862	229.00	224.00	-0.0318488660
ENSG00000025039	9.00	9.50	0.0780025120
ENSG00000025156	293.25	230.75	-0.3458004604
ENSG00000025293	1615.25	1515.00	-0.0924396813
ENSG00000025423	295.00	54.25	-2.4430199118
ENSG00000025434	402.50	401.00	-0.0053865465
ENSG00000025708	114.00	297.00	1.3814291066
ENSG00000025770	383.75	321.75	-0.2542266020
ENSG00000025772	982.00	640.75	-0.6159614510
ENSG00000025796	3879.00	3429.25	-0.1777916921
ENSG00000025800	2180.00	2201.00	0.0138310102
ENSG00000026025	110608.00	74238.00	-0.5752259865
ENSG00000026036	250.25	151.25	-0.7264349267
ENSG00000026103	1210.00	1122.00	-0.1089343716
ENSG00000026297	266.75	189.75	-0.4913883854
ENSG00000026508	26231.50	20689.25	-0.3424189604
ENSG00000026559	32.25	21.25	-0.6018363193
ENSG00000026652	429.50	327.75	-0.3900623509
ENSG00000026751	0.75	2.00	1.4150374993
ENSG00000026950	955.75	486.75	-0.9734523161
ENSG00000027001	699.75	496.00	-0.4964994612
ENSG00000027075	80.25	121.50	0.5983830165
ENSG00000027644	1.00	0.25	-2.0000000000
ENSG00000027697	1331.25	1573.50	0.2411956533
ENSG00000027847	472.25	433.75	-0.1226870389
ENSG00000027869	0.50	0.25	-1.0000000000
ENSG00000028116	278.25	276.50	-0.0091022071
ENSG00000028137	405.25	661.75	0.7074741040
ENSG00000028203	1301.75	1141.25	-0.1898375465
ENSG00000028277	88.25	22.00	-2.0040927546
ENSG00000028310	619.50	584.25	-0.0845184534
ENSG00000028528	3785.25	3444.25	-0.1361987232
ENSG00000028839	540.00	447.75	-0.2702659751
ENSG00000029153	372.50	318.00	-0.2282136601
ENSG00000029363	3714.50	3101.25	-0.2603181960
ENSG00000029364	1564.25	1333.75	-0.2299828330
ENSG00000029534	105.50	87.50	-0.2698880769
ENSG00000029559	1.25	0.25	-2.3219280949

ENSG00000029639	119.00	115.50	-0.0430687219
ENSG00000029725	2063.25	1900.75	-0.1183498493
ENSG00000029993	740.75	517.75	-0.5167310727
ENSG00000030066	992.25	908.25	-0.1276141966
ENSG00000030110	184.75	190.75	0.0461086927
ENSG00000030304	32.50	27.25	-0.2541834883
ENSG00000030419	213.75	270.25	0.3383701980
ENSG00000030582	12420.25	10056.75	-0.3045300626
ENSG00000031003	1498.00	1383.50	-0.1147149798
ENSG00000031081	456.75	262.50	-0.7990873061
ENSG00000031691	86.50	86.50	0.0000000000
ENSG00000031698	3590.75	2258.50	-0.6689202975
ENSG00000031823	2004.50	1269.00	-0.6595503483
ENSG00000032219	730.50	612.25	-0.2547634042
ENSG00000032389	226.25	212.75	-0.0887586603
ENSG00000032444	1522.00	1558.75	0.0344212012
ENSG00000032742	304.50	171.25	-0.8303382401
ENSG00000033011	567.00	514.50	-0.1401776580
ENSG00000033030	414.50	390.25	-0.0869734695
ENSG00000033050	1224.75	1425.50	0.2189807477
ENSG00000033100	2486.50	2449.50	-0.0216291395
ENSG00000033122	10.25	6.75	-0.6026645025
ENSG00000033170	1814.50	1315.00	-0.4645092573
ENSG00000033178	1161.25	841.50	-0.4646434199
ENSG00000033327	1205.50	1424.25	0.2405707553
ENSG00000033627	871.25	1084.75	0.3162039301
ENSG00000033800	1071.25	1025.00	-0.0636712946
ENSG00000033867	3367.75	1522.25	-1.1455797331
ENSG00000034053	33.25	36.25	0.1246266545
ENSG00000034152	901.00	1435.50	0.6719543194
ENSG00000034239	11.00	7.50	-0.5525410230
ENSG00000034510	14673.75	12363.75	-0.2471212232
ENSG00000034533	161.50	91.75	-0.8157541019
ENSG00000034677	865.75	849.00	-0.0281859286
ENSG00000034693	418.50	261.75	-0.6770380856
ENSG00000034713	1303.50	1519.75	0.2214434359
ENSG00000034971	474.25	392.25	-0.2738743264
ENSG00000035115	591.50	375.50	-0.6555652608
ENSG00000035141	369.75	398.50	0.1080295769
ENSG00000035403	12770.25	21024.00	0.7192504122
ENSG00000035499	17.75	9.25	-0.9402937539
ENSG00000035664	395.00	1039.00	1.3952710958
ENSG00000035681	1248.50	895.00	-0.4802362338

ENSG00000035687	1004.25	805.25	-0.3186098007
ENSG00000035862	58821.00	58635.75	-0.0045507726
ENSG00000035928	1124.25	991.00	-0.1820059215
ENSG00000036054	1236.25	1327.00	0.1021978497
ENSG00000036257	1889.75	1680.50	-0.1693048465
ENSG00000036448	4.75	5.50	0.2115041052
ENSG00000036530	49.00	39.75	-0.3018268888
ENSG00000036549	916.75	838.75	-0.1282874996
ENSG00000036565	3.00	4.25	0.5025003405
ENSG00000036672	15.00	20.75	0.4681488357
ENSG00000037042	480.25	398.00	-0.2710171831
ENSG00000037241	286.75	332.00	0.2113897553
ENSG00000037280	11.25	11.00	-0.0324214777
ENSG00000037474	803.25	805.75	0.0044832076
ENSG00000037637	608.75	661.50	0.1198912893
ENSG00000037749	460.25	492.25	0.0969734846
ENSG00000037757	364.25	364.00	-0.0009905219
ENSG00000037897	109.25	70.25	-0.6370631493
ENSG00000037965	23.25	21.00	-0.1468413883
ENSG00000038002	712.75	524.25	-0.4431411778
ENSG00000038210	368.25	353.75	-0.0579553773
ENSG00000038219	2522.25	2400.75	-0.0712261020
ENSG00000038274	1492.75	1939.75	0.3778981574
ENSG00000038295	13.25	7.00	-0.9205655325
ENSG00000038358	1090.25	1028.00	-0.0848187259
ENSG00000038382	6787.25	5733.75	-0.2433481517
ENSG00000038427	11054.25	8237.50	-0.4243226804
ENSG00000038532	776.25	558.25	-0.4756100173
ENSG00000038945	202.25	120.75	-0.7441165136
ENSG00000039068	10.00	6.75	-0.5670405927
ENSG00000039123	1544.75	1237.25	-0.3202363312
ENSG00000039139	247.00	231.75	-0.0919417030
ENSG00000039319	1249.25	1043.25	-0.2599772975
ENSG00000039523	1797.25	1838.75	0.0329342378
ENSG00000039537	10.50	40.25	1.9385994553
ENSG00000039560	4653.25	6243.25	0.4240585379
ENSG00000039600	3.50	4.75	0.4405725914
ENSG00000039650	373.50	314.00	-0.2503436839
ENSG00000039987	2.75	2.25	-0.2895066172
ENSG00000040199	319.75	369.25	0.2076535619
ENSG00000040275	270.50	189.50	-0.5134307457
ENSG00000040341	814.75	673.75	-0.2741440791
ENSG00000040487	230.25	257.75	0.1627712713

ENSG00000040531	563.50	544.75	-0.0488213191
ENSG00000040608	2.50	0.75	-1.7369655942
ENSG00000040633	941.50	742.75	-0.3420843948
ENSG00000040731	116.50	29.75	-1.9693683813
ENSG00000040933	765.50	700.75	-0.1275025385
ENSG00000041353	115.75	34.25	-1.7568363003
ENSG00000041357	1358.50	1174.25	-0.2102749720
ENSG00000041515	2.50	7.50	1.5849625007
ENSG00000041802	586.25	592.00	0.0140811582
ENSG00000041880	391.25	365.50	-0.0982193459
ENSG00000041982	4931.00	2529.00	-0.9633132158
ENSG00000041988	209.50	183.50	-0.1911701809
ENSG00000042062	1476.50	1599.00	0.1149885823
ENSG00000042088	253.00	168.50	-0.5863887935
ENSG00000042286	489.00	735.50	0.5888908763
ENSG00000042304	3.25	6.50	1.0000000000
ENSG00000042317	242.50	180.25	-0.4279854878
ENSG00000042429	417.25	459.75	0.1399375250
ENSG00000042445	1503.00	1350.25	-0.1546184610
ENSG00000042493	1048.00	958.75	-0.1284121391
ENSG00000042753	1165.25	1276.00	0.1309888162
ENSG00000042781	4.75	3.25	-0.5474877953
ENSG00000042832	37.25	39.50	0.0846122277
ENSG00000042980	11.75	23.75	1.0152667567
ENSG00000043039	1.25	1.50	0.2630344058
ENSG00000043093	728.50	668.75	-0.1234619859
ENSG00000043143	1492.75	1683.50	0.1734911525
ENSG00000043514	265.00	219.00	-0.2750614898
ENSG00000043591	1.00	2.00	1.0000000000
ENSG00000044090	1511.75	1024.75	-0.5609475890
ENSG00000044115	8465.00	8037.00	-0.0748529862
ENSG00000044446	419.75	465.50	0.1492508426
ENSG00000044459	594.00	443.25	-0.4223422999
ENSG00000044524	51.25	46.00	-0.1559181434
ENSG00000044574	16004.75	17619.00	0.1386319020
ENSG00000046604	41.25	22.00	-0.9068905956
ENSG00000046647	346.75	338.75	-0.0336749361
ENSG00000046651	585.00	559.50	-0.0642984935
ENSG00000046653	323.00	2126.50	2.7188747849
ENSG00000046774	0.75	0.50	-0.5849625007
ENSG00000046889	61.50	25.25	-1.2843030226
ENSG00000047056	516.25	573.75	0.1523523720
ENSG00000047188	715.00	739.50	0.0486069054

ENSG00000047230	341.50	302.75	-0.1737586186
ENSG00000047249	890.00	834.00	-0.0937579524
ENSG00000047315	2555.50	2354.75	-0.1180316920
ENSG00000047346	806.25	685.25	-0.2345968324
ENSG00000047365	65.25	36.25	-0.8479969066
ENSG00000047410	5134.50	4503.75	-0.1890970464
ENSG00000047457	17.00	17.75	0.0622842783
ENSG00000047578	926.25	801.25	-0.2091491857
ENSG00000047579	244.00	240.75	-0.0193453497
ENSG00000047597	0.75	1.50	1.0000000000
ENSG00000047617	8.75	13.75	0.6520766966
ENSG00000047621	514.50	323.00	-0.6716369122
ENSG00000047634	439.50	470.25	0.0975647784
ENSG00000047644	1476.50	1762.75	0.2556465241
ENSG00000047648	484.50	447.75	-0.1138032334
ENSG00000047662	6.25	7.75	0.3103401206
ENSG00000047849	16617.50	16989.25	0.0319188114
ENSG00000047932	1732.25	1386.75	-0.3209394308
ENSG00000047936	1.75	1.50	-0.2223924213
ENSG00000048028	537.50	592.75	0.1411590030
ENSG00000048052	482.25	310.50	-0.6351879698
ENSG00000048140	895.00	987.25	0.1415277803
ENSG00000048162	171.25	220.25	0.3630380311
ENSG00000048342	992.25	739.00	-0.4251292929
ENSG00000048392	1547.50	1356.50	-0.1900503618
ENSG00000048405	343.00	401.50	0.2271914113
ENSG00000048462	0.50	0.50	0.0000000000
ENSG00000048471	1920.75	2364.25	0.2997128431
ENSG00000048540	43.00	87.25	1.0208184715
ENSG00000048544	782.75	688.75	-0.1845711897
ENSG00000048545	8.25	2.25	-1.8744691179
ENSG00000048649	1744.00	1611.25	-0.1142196815
ENSG00000048707	2546.00	4023.75	0.6603082525
ENSG00000048740	4300.75	7068.00	0.7167137692
ENSG00000048828	4403.00	4333.50	-0.0229541397
ENSG00000048991	631.00	461.00	-0.4528732546
ENSG00000049089	98.50	47.00	-1.0674629678
ENSG00000049130	3269.25	3000.50	-0.1237567746
ENSG00000049167	191.50	145.25	-0.3988062285
ENSG00000049192	188.75	144.75	-0.3829132962
ENSG00000049239	5652.00	6696.25	0.2445919253
ENSG00000049245	3417.25	3434.25	0.0071592691
ENSG00000049246	405.00	93.00	-2.1226192867

ENSG00000049247	1.25	0.25	-2.3219280949
ENSG00000049249	26.00	24.25	-0.1005268760
ENSG00000049283	16.75	7.50	-1.1591985948
ENSG00000049323	16639.50	24518.50	0.5592586375
ENSG00000049449	6573.50	5924.25	-0.1500292021
ENSG00000049540	5546.00	9276.00	0.7420552036
ENSG00000049541	166.25	118.75	-0.4854268272
ENSG00000049618	1949.75	1653.00	-0.2382024266
ENSG00000049656	1134.00	1325.00	0.2245717194
ENSG00000049759	1990.50	902.50	-1.1411320343
ENSG00000049768	2.25	4.25	0.9175378398
ENSG00000049769	104.50	78.75	-0.4081511137
ENSG00000049860	4768.25	4431.75	-0.1055833788
ENSG00000049883	402.75	319.25	-0.3351979690
ENSG00000050130	1071.25	1002.75	-0.0953332382
ENSG00000050165	17283.25	18895.75	0.1286872502
ENSG00000050327	370.75	320.50	-0.2101223358
ENSG00000050344	229.25	274.50	0.2598844154
ENSG00000050393	549.25	596.00	0.1178493660
ENSG00000050405	9929.50	8270.25	-0.2637901316
ENSG00000050426	1020.50	850.75	-0.2624690311
ENSG00000050438	124.25	106.75	-0.2190097819
ENSG00000050555	91.00	100.50	0.1432570510
ENSG00000050628	386.25	303.25	-0.3490272877
ENSG00000050730	9.75	5.50	-0.8259706002
ENSG00000050748	992.25	829.50	-0.2584616760
ENSG00000050820	1196.50	1280.00	0.0973234133
ENSG00000051009	445.50	445.50	0.0000000000
ENSG00000051108	1906.75	2791.25	0.5497956463
ENSG00000051128	1108.50	881.50	-0.3305762955
ENSG00000051180	31.25	55.50	0.8286315817
ENSG00000051341	31.25	18.75	-0.7369655942
ENSG00000051382	348.25	390.50	0.1651991955
ENSG00000051523	642.75	759.75	0.2412670647
ENSG00000051596	173.75	166.75	-0.0593262164
ENSG00000051620	1067.75	1364.75	0.3540627991
ENSG00000051825	281.50	194.50	-0.5333647671
ENSG00000052126	1741.00	1285.25	-0.4378671909
ENSG00000052344	2.25	0.25	-3.1699250014
ENSG00000052723	685.00	792.50	0.2103069472
ENSG00000052749	395.50	326.25	-0.2776997930
ENSG00000052795	581.00	612.25	0.0755827052
ENSG00000052802	345.00	286.50	-0.2680612229

ENSG00000052841	2704.00	2101.25	-0.3638473322
ENSG00000052850	19.50	7.25	-1.4274212237
ENSG00000053108	4.00	3.25	-0.2995602819
ENSG00000053254	3584.25	4456.50	0.3142398376
ENSG00000053328	14.00	5.75	-1.2837929660
ENSG00000053371	946.00	905.00	-0.0639223914
ENSG00000053372	352.00	370.25	0.0729243067
ENSG00000053438	45.50	34.50	-0.3992701834
ENSG00000053501	332.50	274.75	-0.2752348594
ENSG00000053524	43.75	56.75	0.3753373755
ENSG00000053702	45.50	29.50	-0.6251515908
ENSG00000053747	806.00	1724.50	1.0973263849
ENSG00000053770	722.75	688.50	-0.0700400493
ENSG00000053900	573.00	534.75	-0.0996705616
ENSG00000054116	751.50	734.75	-0.0325196503
ENSG00000054118	3102.50	2674.50	-0.2141620067
ENSG00000054148	986.25	800.50	-0.3010519924
ENSG00000054179	3.00	0.25	-3.5849625007
ENSG00000054219	32.75	67.25	1.0380393610
ENSG00000054267	1274.75	1037.75	-0.2967554060
ENSG00000054277	321.25	470.50	0.5504982686
ENSG00000054282	249.75	222.00	-0.1699250014
ENSG00000054356	26.75	11.75	-1.1868781347
ENSG00000054392	55.75	44.75	-0.3170841227
ENSG00000054523	1640.50	1656.75	0.0142203256
ENSG00000054598	536.75	465.50	-0.2054691183
ENSG00000054611	647.50	596.25	-0.1189628317
ENSG00000054654	1806.25	1660.00	-0.1218143460
ENSG00000054690	25.25	13.50	-0.9033239806
ENSG00000054793	3191.50	3402.25	0.0922545075
ENSG00000054938	136.50	55.50	-1.2983412746
ENSG00000054965	2176.50	1566.75	-0.4742350270
ENSG00000054967	17.25	21.50	0.3177402979
ENSG00000054983	694.25	717.75	0.0480261534
ENSG00000055044	519.50	544.75	0.0684705422
ENSG00000055070	3674.75	4071.50	0.1479142982
ENSG00000055118	21.50	9.00	-1.2563397533
ENSG00000055130	1268.00	1443.75	0.1872662011
ENSG00000055147	553.25	528.00	-0.0673936164
ENSG00000055163	385.50	207.75	-0.8918823831
ENSG00000055208	1736.25	1684.00	-0.0440825558
ENSG00000055211	2295.25	2496.25	0.1211111263
ENSG00000055332	2280.00	1812.50	-0.3310528293

ENSG00000055483	855.00	845.00 -0.0169730786
ENSG00000055609	2308.75	1931.25 -0.2575770282
ENSG00000055732	123.25	89.75 -0.4576038026
ENSG00000055813	97.00	34.00 -1.5124500009
ENSG00000055917	2324.75	2344.75 0.0123585297
ENSG00000055950	754.00	646.25 -0.2224721481
ENSG00000055955	19.00	16.50 -0.2035333941
ENSG00000056050	348.25	281.50 -0.3069884305
ENSG00000056097	3085.00	3155.50 0.0325981340
ENSG00000056277	191.00	140.25 -0.4455718674
ENSG00000056558	208.25	223.75 0.1035711868
ENSG00000056586	1354.75	1495.50 0.1426012633
ENSG00000056736	107.00	52.00 -1.0410272683
ENSG00000056972	502.50	572.50 0.1881520969
ENSG00000056998	257.25	308.75 0.2632680596
ENSG00000057019	2905.00	2453.75 -0.2435498959
ENSG00000057252	1032.00	1472.75 0.5130695822
ENSG00000057294	12.75	20.00 0.6495027529
ENSG00000057468	4.50	2.50 -0.8479969066
ENSG00000057593	6.50	5.50 -0.2410080995
ENSG00000057608	3588.25	3248.75 -0.1433956803
ENSG00000057657	160.50	261.75 0.7056162398
ENSG00000057663	531.25	632.50 0.2516745437
ENSG00000057704	20.25	27.00 0.4150374993
ENSG00000057757	543.25	471.25 -0.2051236510
ENSG00000057935	999.00	733.25 -0.4461795120
ENSG00000058056	457.00	469.25 0.0381625798
ENSG00000058063	1667.00	1837.25 0.1402938472
ENSG00000058085	55.75	94.75 0.7651541383
ENSG00000058091	1491.50	1278.00 -0.2228761414
ENSG00000058262	12534.75	9486.00 -0.4020614490
ENSG00000058272	1756.50	1930.75 0.1364577948
ENSG00000058335	3.50	3.50 0.0000000000
ENSG00000058404	4.25	1.50 -1.5025003405
ENSG00000058453	640.25	652.75 0.0278952047
ENSG00000058600	520.25	508.75 -0.0322481706
ENSG00000058668	12119.50	10693.25 -0.1806297824
ENSG00000058673	4413.25	4034.25 -0.1295409852
ENSG00000058729	457.25	338.00 -0.4359599235
ENSG00000058799	423.50	522.50 0.3030690676
ENSG00000058804	276.50	245.25 -0.1730263440
ENSG00000058866	6.75	2.50 -1.4329594073
ENSG00000059122	1334.00	1151.25 -0.2125575102

ENSG00000059145	573.50	644.25	0.1678271458
ENSG00000059377	16.50	16.00	-0.0443941194
ENSG00000059378	260.75	236.75	-0.1393028271
ENSG00000059573	1739.75	1262.75	-0.4623109656
ENSG00000059588	414.25	309.75	-0.4193974151
ENSG00000059691	389.50	308.50	-0.3363528389
ENSG00000059728	208.25	179.00	-0.2183569081
ENSG00000059758	1034.25	697.50	-0.5683198355
ENSG00000059769	306.00	318.75	0.0588936891
ENSG00000059804	1262.00	1240.50	-0.0247901751
ENSG00000059915	179.25	135.25	-0.4063445249
ENSG00000060069	465.25	509.75	0.1317837200
ENSG00000060138	4401.25	5441.75	0.3061573570
ENSG00000060140	2.50	2.50	0.0000000000
ENSG00000060237	6097.00	5237.25	-0.2192900726
ENSG00000060339	1724.50	1585.00	-0.1216952884
ENSG00000060491	971.75	966.00	-0.0085620135
ENSG00000060642	289.50	336.50	0.2170431566
ENSG00000060656	420.50	422.00	0.0051371985
ENSG00000060688	498.25	462.00	-0.1089769534
ENSG00000060709	0.50	0.25	-1.0000000000
ENSG00000060718	129.25	508.50	1.9760834935
ENSG00000060749	1121.50	1045.00	-0.1019266781
ENSG00000060762	272.25	330.25	0.2786265125
ENSG00000060971	790.50	725.50	-0.1237898483
ENSG00000060982	2791.50	2495.25	-0.1618561892
ENSG00000061273	2677.75	3708.25	0.4697172357
ENSG00000061337	98.75	47.25	-1.0634664188
ENSG00000061455	1147.25	801.75	-0.5169554530
ENSG00000061656	81.25	111.00	0.4501199584
ENSG00000061676	5454.75	6203.00	0.1854530479
ENSG00000061794	556.50	609.50	0.1312445333
ENSG00000061918	1745.75	1483.00	-0.2353283749
ENSG00000061936	880.75	767.50	-0.1985658192
ENSG00000061938	592.50	463.00	-0.3558029605
ENSG00000061987	1536.25	1227.75	-0.3233961881
ENSG00000062038	8.25	5.25	-0.6520766966
ENSG00000062096	1.50	1.50	0.0000000000
ENSG00000062194	1213.25	994.00	-0.2875591032
ENSG00000062282	35.00	25.50	-0.4568576750
ENSG00000062370	174.75	153.75	-0.1847060451
ENSG00000062485	2036.50	1760.50	-0.2101065871
ENSG00000062524	2.00	2.00	0.0000000000

ENSG00000062582	691.50	602.25	-0.1993667629
ENSG00000062598	1217.50	1242.25	0.0290337696
ENSG00000062650	1139.25	1183.50	0.0549753355
ENSG00000062716	2824.00	3568.00	0.3373755266
ENSG00000062725	1934.50	1720.50	-0.1691328367
ENSG00000062822	163.75	130.25	-0.3302115341
ENSG00000063015	2.50	2.25	-0.1520030934
ENSG00000063046	14520.25	12634.25	-0.2007262680
ENSG00000063127	33.50	22.50	-0.5742360941
ENSG00000063169	264.75	288.00	0.1214381274
ENSG00000063176	314.50	292.75	-0.1033908464
ENSG00000063177	8800.75	7695.25	-0.1936582785
ENSG00000063180	149.25	89.75	-0.7337470874
ENSG00000063241	402.00	367.00	-0.1314154383
ENSG00000063244	2241.25	1908.25	-0.2320533918
ENSG00000063245	2392.25	2491.25	0.0585016401
ENSG00000063322	1521.00	1274.75	-0.2548058151
ENSG00000063438	814.00	578.50	-0.4927118352
ENSG00000063587	568.50	675.75	0.2493292576
ENSG00000063601	781.75	701.25	-0.1567784484
ENSG00000063660	5604.50	3907.75	-0.5202474969
ENSG00000063761	120.75	99.25	-0.2828841817
ENSG00000063854	378.25	364.25	-0.0544111102
ENSG00000063978	1246.75	1138.25	-0.1313547436
ENSG00000064012	395.50	295.00	-0.4229627402
ENSG00000064042	429.50	449.25	0.0648603724
ENSG00000064102	415.50	376.75	-0.1412409652
ENSG00000064115	1074.75	1875.50	0.8032741527
ENSG00000064199	204.75	198.00	-0.0483630216
ENSG00000064201	30.00	6.50	-2.2064508775
ENSG00000064205	2733.00	1321.00	-1.0488549933
ENSG00000064225	46.00	31.50	-0.5462820326
ENSG00000064270	7.25	6.75	-0.1030934930
ENSG00000064300	1.50	2.50	0.7369655942
ENSG00000064309	618.25	206.00	-1.5855459972
ENSG00000064313	829.00	794.25	-0.0617789168
ENSG00000064393	2242.50	3246.00	0.5335550147
ENSG00000064419	1457.25	1272.50	-0.1955827453
ENSG00000064489	110.50	96.25	-0.1991879238
ENSG00000064490	384.75	366.00	-0.0720776780
ENSG00000064545	327.50	304.50	-0.1050526785
ENSG00000064547	43.50	38.25	-0.1855556532
ENSG00000064601	11122.00	8430.25	-0.3997689221

ENSG00000064607	1749.75	1482.50	-0.2391167033
ENSG00000064651	540.75	501.00	-0.1101511568
ENSG00000064652	265.50	295.25	0.1532251986
ENSG00000064655	104.25	123.00	0.2386109319
ENSG00000064666	7533.50	12102.50	0.6839129046
ENSG00000064687	199.75	123.00	-0.6995371876
ENSG00000064692	94.75	25.75	-1.8795535110
ENSG00000064703	317.00	375.25	0.2433692315
ENSG00000064726	2141.25	2155.25	0.0094019793
ENSG00000064763	274.25	336.25	0.2940426470
ENSG00000064787	11.75	4.00	-1.5545888517
ENSG00000064886	1433.00	1310.00	-0.1294717978
ENSG00000064932	579.25	552.50	-0.0682116746
ENSG00000064933	406.50	547.25	0.4289446971
ENSG00000064961	1155.25	1269.25	0.1357711706
ENSG00000064989	44.25	41.25	-0.1012833358
ENSG00000064995	278.00	267.25	-0.0568949350
ENSG00000064999	709.50	717.25	0.0156733787
ENSG00000065000	4389.25	3813.00	-0.2030479135
ENSG00000065029	487.00	426.75	-0.1905306191
ENSG00000065054	964.00	901.25	-0.0971057921
ENSG00000065057	128.50	115.75	-0.1507561659
ENSG00000065060	431.25	366.75	-0.2337274909
ENSG00000065135	1973.50	1932.50	-0.0302881051
ENSG00000065150	4815.75	3984.75	-0.2732712859
ENSG00000065154	3001.50	2842.50	-0.0785233188
ENSG00000065183	548.75	549.25	0.0013139300
ENSG00000065243	1491.75	1391.75	-0.1001056937
ENSG00000065268	269.00	310.75	0.2081482185
ENSG00000065308	9972.50	10580.50	0.0853806827
ENSG00000065320	3726.50	4665.00	0.3240558214
ENSG00000065325	4.75	7.25	0.6100534817
ENSG00000065328	10.75	11.75	0.1283240970
ENSG00000065357	1041.50	942.25	-0.1444810444
ENSG00000065361	28.25	24.50	-0.2054691183
ENSG00000065371	0.25	0.50	1.0000000000
ENSG00000065413	307.50	172.00	-0.8381778455
ENSG00000065427	1992.50	1952.00	-0.0296266713
ENSG00000065457	285.00	232.00	-0.2968371139
ENSG00000065485	850.50	676.50	-0.3302213017
ENSG00000065491	388.00	272.50	-0.5098004225
ENSG00000065518	863.00	683.75	-0.3358916315
ENSG00000065526	1205.00	1766.25	0.5516564141

ENSG00000065534	19881.75	20522.00	0.0457265885
ENSG00000065548	1020.00	894.25	-0.1898190339
ENSG00000065559	633.50	634.00	0.0011382210
ENSG00000065600	110.75	78.00	-0.5057606697
ENSG00000065609	0.75	0.25	-1.5849625007
ENSG00000065613	1881.00	1644.50	-0.1938508407
ENSG00000065615	372.75	412.50	0.1461857668
ENSG00000065618	4.75	1.25	-1.9259994186
ENSG00000065621	99.00	87.50	-0.1781455082
ENSG00000065665	178.25	116.00	-0.6197772713
ENSG00000065675	0.50	1.25	1.3219280949
ENSG00000065717	195.00	300.50	0.6238908670
ENSG00000065802	1170.75	1359.00	0.2151124181
ENSG00000065809	3443.50	1458.25	-1.2396376029
ENSG00000065833	902.50	521.00	-0.7926435595
ENSG00000065882	758.25	907.50	0.2592240503
ENSG00000065883	1176.50	1266.50	0.1063457565
ENSG00000065911	693.75	673.25	-0.0432735416
ENSG00000065923	1309.00	1006.25	-0.3794763141
ENSG00000065970	802.25	745.25	-0.1063274143
ENSG00000065978	11348.75	9865.00	-0.2021424456
ENSG00000065989	713.25	769.75	0.1099821205
ENSG00000066027	720.50	769.25	0.0944541082
ENSG00000066032	2.25	4.25	0.9175378398
ENSG00000066044	1138.75	1090.50	-0.0624612840
ENSG00000066056	6.00	8.75	0.5443205162
ENSG00000066084	1124.50	881.75	-0.3508420854
ENSG00000066117	856.25	853.50	-0.0046409297
ENSG00000066135	1238.00	913.00	-0.4393245492
ENSG00000066136	500.25	386.75	-0.3712479705
ENSG00000066185	22.25	12.00	-0.8907709302
ENSG00000066230	153.50	118.25	-0.3763984720
ENSG00000066248	3.00	2.50	-0.2630344058
ENSG00000066279	166.25	90.25	-0.8813555035
ENSG00000066294	8.50	5.50	-0.6280312226
ENSG00000066322	924.00	1185.75	0.3598351117
ENSG00000066336	1.25	0.75	-0.7369655942
ENSG00000066379	20.50	16.25	-0.3351841916
ENSG00000066382	24.25	14.75	-0.7172697928
ENSG00000066405	30.50	23.00	-0.4071753815
ENSG00000066422	633.00	486.25	-0.3805072496
ENSG00000066427	742.00	619.50	-0.2603149045
ENSG00000066455	1472.25	1373.25	-0.1004283817

ENSG00000066468	52.50	11.50	-2.1906835616
ENSG00000066557	334.25	303.75	-0.1380431516
ENSG00000066583	314.75	280.75	-0.1649203553
ENSG00000066629	2947.50	3085.50	0.0660124814
ENSG00000066651	247.75	206.75	-0.2609977280
ENSG00000066654	819.00	734.25	-0.1575920913
ENSG00000066697	1082.00	607.00	-0.8339320776
ENSG00000066735	4.00	2.25	-0.8300749986
ENSG00000066739	1630.75	1230.25	-0.4065841121
ENSG00000066777	1649.25	1647.50	-0.0015316397
ENSG00000066813	16.50	17.25	0.0641303374
ENSG00000066827	256.75	215.25	-0.2543510389
ENSG00000066855	318.50	317.75	-0.0034012473
ENSG00000066923	205.00	191.25	-0.1001641619
ENSG00000066926	565.50	463.00	-0.2885148307
ENSG00000066933	1139.25	1194.75	0.0686243970
ENSG00000067048	1043.00	1019.50	-0.0328773825
ENSG00000067057	2305.25	2452.75	0.0894769760
ENSG00000067064	432.50	378.25	-0.1933600503
ENSG00000067066	2290.00	2042.75	-0.1648349463
ENSG00000067082	2327.25	4253.75	0.8701090486
ENSG00000067113	2424.00	1151.75	-1.0735621009
ENSG00000067141	1286.50	933.00	-0.4635024709
ENSG00000067167	12205.75	17269.25	0.5006444819
ENSG00000067177	379.25	617.00	0.7021213089
ENSG00000067182	4177.50	3837.75	-0.1223790942
ENSG00000067191	158.25	171.75	0.1181045994
ENSG00000067208	753.50	733.25	-0.0393023458
ENSG00000067221	416.75	311.25	-0.4211083620
ENSG00000067225	26249.75	19373.00	-0.4382563034
ENSG00000067248	1317.25	1177.75	-0.1614958477
ENSG00000067334	902.25	902.25	0.0000000000
ENSG00000067365	377.25	364.75	-0.0486129226
ENSG00000067369	2805.25	1552.75	-0.8533037798
ENSG00000067445	910.75	470.75	-0.9520939951
ENSG00000067533	285.25	279.00	-0.0319617645
ENSG00000067560	9739.00	9712.00	-0.0040052225
ENSG00000067596	1132.50	1094.00	-0.0498983121
ENSG00000067601	14.50	12.50	-0.2141248054
ENSG00000067606	17.75	14.75	-0.2671040701
ENSG00000067646	286.50	380.00	0.4074642796
ENSG00000067704	2873.75	2913.25	0.0196949505
ENSG00000067715	14.00	18.75	0.4214637684

ENSG00000067798	381.50	951.50	1.3185205994
ENSG00000067829	867.50	752.50	-0.2051721758
ENSG00000067836	209.75	188.75	-0.1521941662
ENSG00000067840	17.25	14.75	-0.2258814074
ENSG00000067842	5.00	1.25	-2.0000000000
ENSG00000067900	2369.00	3059.25	0.3688998093
ENSG00000067955	561.50	644.75	0.1994538454
ENSG00000067992	59.00	70.25	0.2517832709
ENSG00000068001	753.25	596.00	-0.3378164371
ENSG00000068024	596.50	580.50	-0.0392260708
ENSG00000068028	674.00	841.00	0.3193572091
ENSG00000068078	8.00	14.25	0.8328900142
ENSG00000068079	368.00	427.50	0.2162186537
ENSG00000068097	421.00	388.00	-0.1177635809
ENSG00000068120	850.75	918.50	0.1105444751
ENSG00000068137	414.00	398.00	-0.0568623370
ENSG00000068305	1546.50	2025.50	0.3892712516
ENSG00000068308	1448.75	1478.50	0.0293255822
ENSG00000068323	2401.75	2017.50	-0.2515173141
ENSG00000068354	325.50	272.50	-0.2564013135
ENSG00000068366	4613.75	3405.25	-0.4381791134
ENSG00000068383	860.00	1852.00	1.1066755337
ENSG00000068394	352.00	324.50	-0.1173569506
ENSG00000068400	670.75	594.25	-0.1747051513
ENSG00000068438	419.75	401.25	-0.0650289329
ENSG00000068489	115.50	84.50	-0.4508696051
ENSG00000068615	0.25	0.25	0.0000000000
ENSG00000068650	1068.50	1003.25	-0.0909057519
ENSG00000068654	1191.50	1244.25	0.0624974355
ENSG00000068697	9795.75	7494.25	-0.3863718498
ENSG00000068724	1150.00	952.00	-0.2726003825
ENSG00000068745	953.25	675.25	-0.4974328912
ENSG00000068781	90.25	148.00	0.7135983387
ENSG00000068784	356.50	222.25	-0.6817186576
ENSG00000068796	654.75	557.25	-0.2326194431
ENSG00000068831	46.00	139.50	1.6005593558
ENSG00000068878	1502.00	1610.50	0.1006238479
ENSG00000068885	1990.50	1260.50	-0.6591347532
ENSG00000068903	632.50	545.25	-0.2141476149
ENSG00000068912	1951.50	1959.75	0.0060861626
ENSG00000068971	499.25	486.25	-0.0380641776
ENSG00000068976	36.00	21.25	-0.7605340653
ENSG00000069011	112.25	77.00	-0.5437850940

ENSG00000069020	1040.75	693.25	-0.5861759421
ENSG00000069122	5.75	11.75	1.0310268956
ENSG00000069188	18.00	34.00	0.9175378398
ENSG00000069248	1110.00	1218.25	0.1342505460
ENSG00000069275	6981.75	5260.00	-0.4085258988
ENSG00000069329	3480.00	2697.00	-0.3677317845
ENSG00000069345	1344.00	1267.00	-0.0851166136
ENSG00000069399	463.75	303.25	-0.6128396364
ENSG00000069424	187.75	216.50	0.2055541172
ENSG00000069431	824.75	1449.25	0.8132777077
ENSG00000069482	7.50	3.75	-1.0000000000
ENSG00000069493	126.00	135.00	0.0995356736
ENSG00000069509	159.25	160.50	0.0112799249
ENSG00000069535	255.25	524.50	1.0390318117
ENSG00000069667	529.75	662.50	0.3226087720
ENSG00000069696	3.75	2.50	-0.5849625007
ENSG00000069702	4146.75	3784.00	-0.1320689837
ENSG00000069712	177.25	177.25	0.0000000000
ENSG00000069764	2.25	2.25	0.0000000000
ENSG00000069812	8.50	7.25	-0.2294818461
ENSG00000069849	1831.00	1763.25	-0.0543947514
ENSG00000069869	1486.75	1445.00	-0.0410925830
ENSG00000069943	320.50	285.75	-0.1655708584
ENSG00000069956	1019.75	851.25	-0.2605607089
ENSG00000069966	844.75	734.75	-0.2012709915
ENSG00000069974	683.50	752.50	0.1387502440
ENSG00000069998	363.50	592.75	0.7054683936
ENSG00000070010	807.25	817.75	0.0186443185
ENSG00000070018	1118.75	794.50	-0.4937685577
ENSG00000070019	3.75	2.75	-0.4474589770
ENSG00000070031	1.00	1.25	0.3219280949
ENSG00000070047	303.00	481.50	0.6682180044
ENSG00000070061	1101.75	880.75	-0.3229924218
ENSG00000070081	2070.25	1350.25	-0.6165784474
ENSG00000070087	2986.00	2126.50	-0.4897333105
ENSG00000070159	87.00	104.25	0.2609600776
ENSG00000070182	3.00	6.50	1.1154772174
ENSG00000070190	0.50	3.00	2.5849625007
ENSG00000070193	203.00	78.00	-1.3799336983
ENSG00000070214	3540.00	3818.00	0.1090677424
ENSG00000070269	552.25	420.50	-0.3932157131
ENSG00000070366	1781.00	1289.25	-0.4661554709
ENSG00000070367	1672.50	1522.00	-0.1360378520

ENSG00000070371	204.00	243.00	0.2523871616
ENSG00000070388	3.50	17.50	2.3219280949
ENSG00000070404	887.25	2605.50	1.5541476804
ENSG00000070413	2506.50	2362.00	-0.0856652694
ENSG00000070423	299.25	356.50	0.2525508295
ENSG00000070444	854.00	871.00	0.0284366490
ENSG00000070476	352.50	401.50	0.1877767302
ENSG00000070495	275.25	331.50	0.2682663065
ENSG00000070501	139.25	101.50	-0.4561976002
ENSG00000070526	0.75	0.50	-0.5849625007
ENSG00000070540	3587.00	6111.50	0.7687487717
ENSG00000070601	2.50	3.25	0.3785116233
ENSG00000070610	769.25	875.00	0.1858304784
ENSG00000070614	7882.25	8750.00	0.1506755090
ENSG00000070669	610.25	267.00	-1.1925606481
ENSG00000070718	497.50	319.00	-0.6411401017
ENSG00000070729	3.50	1.50	-1.2223924213
ENSG00000070731	457.50	444.25	-0.0423999671
ENSG00000070756	20813.75	18630.50	-0.1598705245
ENSG00000070759	122.00	83.00	-0.5556979062
ENSG00000070761	367.25	302.75	-0.2786355309
ENSG00000070770	1505.25	1270.75	-0.2443228866
ENSG00000070778	1607.75	1547.50	-0.0551036800
ENSG00000070785	315.25	265.50	-0.2477845095
ENSG00000070808	41.75	11.25	-1.8918511961
ENSG00000070814	856.75	691.00	-0.3101885761
ENSG00000070831	3727.50	3518.75	-0.0831453353
ENSG00000070882	1708.25	717.75	-1.2509657963
ENSG00000070915	1.25	1.25	0.0000000000
ENSG00000070950	203.50	191.00	-0.0914561562
ENSG00000070961	1462.75	1981.00	0.4375456621
ENSG00000070985	0.25	0.25	0.0000000000
ENSG00000071051	568.25	564.50	-0.0095521980
ENSG00000071054	13802.25	11537.50	-0.2585728220
ENSG00000071073	14.75	7.00	-1.0752881273
ENSG00000071082	11587.50	10711.25	-0.1134424868
ENSG00000071127	8003.50	12750.25	0.6718225888
ENSG00000071189	1410.25	1123.00	-0.3285930092
ENSG00000071205	797.00	991.00	0.3143053332
ENSG00000071242	8504.25	15047.50	0.8232679031
ENSG00000071243	155.25	142.00	-0.1287023387
ENSG00000071246	389.50	324.25	-0.2645167538
ENSG00000071282	2178.25	5858.25	1.4273002182

ENSG00000071462	814.25	695.75	-0.2269028111
ENSG00000071537	5622.00	5952.50	0.0824122618
ENSG00000071539	64.25	49.00	-0.3909147051
ENSG00000071553	1767.50	1607.25	-0.1371158643
ENSG00000071564	1540.00	1045.00	-0.5594274086
ENSG00000071575	446.50	337.50	-0.4037726732
ENSG00000071626	1011.25	1115.50	0.1415508109
ENSG00000071655	1486.50	1276.25	-0.2200085021
ENSG00000071794	1021.75	741.25	-0.4630101386
ENSG00000071859	1387.50	1509.25	0.1213440297
ENSG00000071889	724.25	773.00	0.0939806347
ENSG00000071894	1688.50	1678.75	-0.0083547797
ENSG00000071909	24.75	19.25	-0.3625700794
ENSG00000071967	30753.00	32835.25	0.0945182853
ENSG00000071991	2.25	1.50	-0.5849625007
ENSG00000071994	666.00	667.25	0.0027052231
ENSG00000072041	59.75	57.75	-0.0491177666
ENSG00000072042	931.75	905.50	-0.0412282728
ENSG00000072062	1795.00	1512.75	-0.2468102594
ENSG00000072071	502.00	359.75	-0.4806926772
ENSG00000072080	12.25	8.50	-0.5272470029
ENSG00000072110	11617.25	15404.00	0.4070364295
ENSG00000072121	1338.50	850.00	-0.6550823926
ENSG00000072133	327.50	226.25	-0.5335771145
ENSG00000072134	1083.75	1299.00	0.2613694373
ENSG00000072135	371.50	452.25	0.2837582921
ENSG00000072163	422.00	927.25	1.1357153638
ENSG00000072182	2.00	0.25	-3.0000000000
ENSG00000072195	1442.50	1042.00	-0.4692160413
ENSG00000072201	228.50	263.00	0.2028686342
ENSG00000072210	1395.50	586.00	-1.2518095546
ENSG00000072274	4318.00	4899.25	0.1821976683
ENSG00000072310	2174.00	1103.00	-0.9789191494
ENSG00000072315	4.75	1.50	-1.6629650127
ENSG00000072364	3816.75	3459.00	-0.1419896783
ENSG00000072401	579.50	585.00	0.0136279635
ENSG00000072415	945.50	740.00	-0.3535521874
ENSG00000072422	785.50	807.00	0.0389573980
ENSG00000072501	1434.25	1159.00	-0.3074159516
ENSG00000072506	473.25	519.75	0.1352153472
ENSG00000072518	449.75	394.50	-0.1890979812
ENSG00000072571	24.75	53.25	1.1053530001
ENSG00000072609	562.25	499.25	-0.1714493283

ENSG00000072657	1631.00	1438.75	-0.1809408537
ENSG00000072682	4744.50	3496.00	-0.4405508717
ENSG00000072694	2.25	0.50	-2.1699250014
ENSG00000072736	592.50	578.25	-0.0351217931
ENSG00000072756	326.75	313.00	-0.0620245789
ENSG00000072778	3532.75	3353.75	-0.0750165090
ENSG00000072786	714.75	790.75	0.1457829359
ENSG00000072803	1813.50	1555.75	-0.2211664991
ENSG00000072818	65.25	58.25	-0.1637198519
ENSG00000072832	610.25	488.00	-0.3225192422
ENSG00000072840	3312.50	2751.75	-0.2675710493
ENSG00000072849	704.75	651.50	-0.1133463940
ENSG00000072858	7.50	6.75	-0.1520030934
ENSG00000072864	162.75	183.25	0.1711556550
ENSG00000072952	5114.75	6456.25	0.3360327187
ENSG00000072954	79.50	65.25	-0.2849769587
ENSG00000072958	1530.50	3007.00	0.9743218230
ENSG00000073008	2040.50	1407.00	-0.5363003820
ENSG00000073050	499.75	398.25	-0.3275322052
ENSG00000073060	397.50	272.00	-0.5473482089
ENSG00000073067	1.50	1.50	0.0000000000
ENSG00000073111	218.00	124.00	-0.8139880144
ENSG00000073146	122.00	57.75	-1.0789882961
ENSG00000073150	79.00	57.00	-0.4708907340
ENSG00000073169	421.25	548.50	0.3808149343
ENSG00000073282	2.50	1.50	-0.7369655942
ENSG00000073331	715.75	473.75	-0.5953298219
ENSG00000073350	4.50	3.50	-0.3625700794
ENSG00000073417	716.50	653.75	-0.1322276631
ENSG00000073464	542.75	622.00	0.1966267595
ENSG00000073536	414.50	306.75	-0.4343087578
ENSG00000073578	2338.00	2150.75	-0.1204350921
ENSG00000073584	3532.00	2653.00	-0.4128606674
ENSG00000073598	2.25	1.75	-0.3625700794
ENSG00000073605	221.50	167.00	-0.4074585961
ENSG00000073614	1761.25	1587.25	-0.1500703286
ENSG00000073670	43.25	30.00	-0.5277376320
ENSG00000073711	904.50	674.25	-0.4238368864
ENSG00000073712	3284.75	4671.00	0.5079478729
ENSG00000073754	0.25	0.75	1.5849625007
ENSG00000073756	111.00	41.00	-1.4368638617
ENSG00000073792	1899.25	3252.25	0.7760083402
ENSG00000073803	293.25	282.25	-0.0551575273

ENSG00000073849	31.25	25.25	-0.3075728019
ENSG00000073910	1245.75	1788.75	0.5219371929
ENSG00000073921	3891.00	4119.00	0.0821531459
ENSG00000073969	530.00	461.50	-0.1996617118
ENSG00000074047	458.25	313.75	-0.5465194217
ENSG00000074054	1672.25	1688.50	0.0139516341
ENSG00000074071	573.00	551.75	-0.0545204145
ENSG00000074181	743.25	1152.75	0.6331602025
ENSG00000074201	1260.75	978.50	-0.3656384693
ENSG00000074211	8.50	19.50	1.1979393776
ENSG00000074219	778.75	418.75	-0.8950710677
ENSG00000074266	250.50	220.25	-0.1856685843
ENSG00000074276	7.75	3.50	-1.1468413883
ENSG00000074317	0.25	1.75	2.8073549221
ENSG00000074319	1060.25	1186.00	0.1616995269
ENSG00000074356	1125.25	1024.00	-0.1360298494
ENSG00000074370	73.25	66.25	-0.1449083050
ENSG00000074410	4070.25	2287.25	-0.8315033462
ENSG00000074416	3932.75	5155.75	0.3906438309
ENSG00000074527	3030.25	5054.50	0.7381315622
ENSG00000074582	347.25	327.00	-0.0866840585
ENSG00000074590	273.75	581.25	1.0862998464
ENSG00000074603	1367.00	1340.00	-0.0287802423
ENSG00000074621	507.00	495.25	-0.0338287721
ENSG00000074657	3294.25	2859.75	-0.2040610133
ENSG00000074660	10.50	21.50	1.0339473319
ENSG00000074695	4382.25	3402.75	-0.3649706296
ENSG00000074696	2349.25	1919.75	-0.2912818009
ENSG00000074706	33.75	29.50	-0.1941725477
ENSG00000074755	1952.25	1917.00	-0.0262874755
ENSG00000074800	13533.75	16449.00	0.2814382355
ENSG00000074803	19.50	9.25	-1.0759488532
ENSG00000074842	1519.50	1599.00	0.0735732640
ENSG00000074855	193.75	134.50	-0.5265901376
ENSG00000074935	360.75	207.75	-0.7961509177
ENSG00000074964	779.25	759.50	-0.0370362851
ENSG00000074966	4.75	3.00	-0.6629650127
ENSG00000075035	0.50	0.50	0.0000000000
ENSG00000075073	9.25	5.50	-0.7500217470
ENSG00000075089	303.50	258.50	-0.2315322359
ENSG00000075131	107.75	61.75	-0.8031768275
ENSG00000075142	1355.50	1622.25	0.2591710528
ENSG00000075151	3906.25	3230.25	-0.2741384604

ENSG00000075188	511.50	393.25	-0.3792874743
ENSG00000075213	1105.75	437.50	-1.3376703202
ENSG00000075218	16.75	18.00	0.1038358110
ENSG00000075223	3681.50	2727.75	-0.4325822750
ENSG00000075234	484.50	567.25	0.2274880383
ENSG00000075239	1158.00	1152.50	-0.0068685027
ENSG00000075240	799.50	372.50	-1.1018576081
ENSG00000075275	13.75	5.25	-1.3890422907
ENSG00000075290	2.00	0.25	-3.0000000000
ENSG00000075292	2069.50	1938.25	-0.0945275836
ENSG00000075303	275.00	203.50	-0.4344028241
ENSG00000075336	324.25	264.00	-0.2965686449
ENSG00000075340	8.00	1.25	-2.6780719051
ENSG00000075391	882.00	1078.25	0.2898411552
ENSG00000075399	660.75	643.00	-0.0392857823
ENSG00000075407	1050.50	934.00	-0.1695817070
ENSG00000075413	1314.25	1142.25	-0.2023612924
ENSG00000075415	6573.75	7015.75	0.0938807478
ENSG00000075420	4951.25	7220.75	0.5443558976
ENSG00000075426	3075.50	3413.00	0.1502194385
ENSG00000075539	1055.75	1292.50	0.2918960334
ENSG00000075568	2157.00	1734.75	-0.3142984098
ENSG00000075618	3220.75	2336.25	-0.4632020167
ENSG00000075624	64531.00	114832.00	0.8314604435
ENSG00000075643	237.75	217.50	-0.1284299401
ENSG00000075651	1025.75	651.00	-0.6559497057
ENSG00000075702	27.25	21.75	-0.3252408289
ENSG00000075711	1358.50	1278.25	-0.0878445395
ENSG00000075785	9073.25	8115.25	-0.1609838712
ENSG00000075790	966.75	1048.00	0.1164239525
ENSG00000075826	378.50	353.00	-0.1006251167
ENSG00000075856	1003.50	885.75	-0.1800691512
ENSG00000075884	8.75	8.00	-0.1292830169
ENSG00000075886	6.75	4.00	-0.7548875022
ENSG00000075914	440.25	439.50	-0.0024598387
ENSG00000075945	1047.00	763.50	-0.4555613801
ENSG00000075975	844.25	1083.25	0.3596240573
ENSG00000076003	572.50	486.75	-0.2340947143
ENSG00000076043	1954.00	1779.75	-0.1347558661
ENSG00000076053	633.75	538.50	-0.2349674973
ENSG00000076067	1890.75	1597.50	-0.2431426877
ENSG00000076108	2172.75	2070.25	-0.0697171896
ENSG00000076201	1438.00	1326.75	-0.1161671270

ENSG00000076242	660.00	464.00 -0.5083412191
ENSG00000076248	368.75	283.00 -0.3818409963
ENSG00000076258	130.00	104.00 -0.3219280949
ENSG00000076321	917.25	725.00 -0.3393340043
ENSG00000076344	276.50	304.50 0.1391627477
ENSG00000076351	157.25	172.00 0.1293485478
ENSG00000076356	320.50	181.00 -0.8243346595
ENSG00000076382	72.75	67.75 -0.1027263016
ENSG00000076513	5641.50	8104.00 0.5225553670
ENSG00000076554	2.25	3.50 0.6374299206
ENSG00000076555	405.50	384.00 -0.0785956035
ENSG00000076604	408.75	235.00 -0.7985579738
ENSG00000076641	343.25	304.25 -0.1740024574
ENSG00000076650	193.50	135.25 -0.5167049723
ENSG00000076662	128.00	164.00 0.3575520046
ENSG00000076685	1860.25	2375.50 0.3527346878
ENSG00000076706	52.25	134.75 1.3667823307
ENSG00000076716	330.25	597.25 0.8547763872
ENSG00000076770	165.75	104.75 -0.6620586264
ENSG00000076864	9.75	9.50 -0.0374747054
ENSG00000076924	805.25	734.50 -0.1326742648
ENSG00000076928	1181.75	1299.75 0.1373092905
ENSG00000076944	73.50	64.50 -0.1884450894
ENSG00000076984	807.50	773.25 -0.0625273315
ENSG00000077044	122.50	121.50 -0.0118254354
ENSG00000077063	500.00	213.25 -1.2293823533
ENSG00000077092	342.75	214.25 -0.6778614617
ENSG00000077097	3681.00	3139.50 -0.2295629374
ENSG00000077147	5160.75	5255.75 0.0263159082
ENSG00000077150	572.75	613.75 0.0997455659
ENSG00000077152	55.25	40.00 -0.4659744645
ENSG00000077157	1481.25	2179.50 0.5571820497
ENSG00000077232	3908.00	3514.50 -0.1531110124
ENSG00000077235	2863.25	2083.50 -0.4586445424
ENSG00000077238	464.00	557.75 0.2654938031
ENSG00000077254	2159.25	3379.75 0.6463862447
ENSG00000077264	127.25	48.00 -1.4065593454
ENSG00000077274	1.75	1.25 -0.4854268272
ENSG00000077279	2.75	1.75 -0.6520766966
ENSG00000077312	507.00	350.50 -0.5325713030
ENSG00000077348	65.75	70.25 0.0955073309
ENSG00000077380	3335.00	2861.50 -0.2209151545
ENSG00000077420	485.00	380.50 -0.3500882936

ENSG00000077454	657.00	561.50	-0.2266073479
ENSG00000077458	370.75	346.50	-0.0975913403
ENSG00000077463	215.00	201.50	-0.0935568211
ENSG00000077498	1.25	0.25	-2.3219280949
ENSG00000077514	452.75	359.00	-0.3347307971
ENSG00000077522	4.25	17.00	2.0000000000
ENSG00000077549	4858.00	5404.75	0.1538653968
ENSG00000077585	617.00	757.75	0.2964514576
ENSG00000077616	52.50	20.25	-1.3743955148
ENSG00000077684	1148.75	2354.75	1.0355090379
ENSG00000077713	528.25	673.75	0.3509925057
ENSG00000077721	1560.75	1515.75	-0.0422076434
ENSG00000077782	16950.00	16124.00	-0.0720755851
ENSG00000077800	4.75	5.00	0.0740005814
ENSG00000077935	4.00	2.25	-0.8300749986
ENSG00000077942	175177.75	158137.25	-0.1476423028
ENSG00000077943	322.75	607.75	0.9130608927
ENSG00000078018	1360.25	1963.00	0.5291883444
ENSG00000078043	703.75	602.50	-0.2241017759
ENSG00000078053	248.00	490.25	0.9831775098
ENSG00000078061	923.00	916.50	-0.0101957671
ENSG00000078070	496.00	630.25	0.3455840925
ENSG00000078081	17.75	11.25	-0.6578940232
ENSG00000078098	3382.75	3294.50	-0.0381370328
ENSG00000078114	16.00	11.50	-0.4764380439
ENSG00000078124	252.50	419.75	0.7332469373
ENSG00000078140	1024.25	1021.75	-0.0035256495
ENSG00000078142	1051.25	1252.75	0.2529927373
ENSG00000078177	414.75	515.00	0.3123304511
ENSG00000078237	408.75	344.75	-0.2456681789
ENSG00000078246	1414.00	1281.25	-0.1422301155
ENSG00000078269	1403.00	907.75	-0.6281480788
ENSG00000078295	36.75	43.75	0.2515387670
ENSG00000078304	2511.25	2205.75	-0.1871363740
ENSG00000078319	56.75	55.25	-0.0386459279
ENSG00000078369	7482.75	7437.50	-0.0087508119
ENSG00000078401	18.00	18.75	0.0588936891
ENSG00000078403	718.75	634.00	-0.1810072106
ENSG00000078487	188.75	170.00	-0.1509418981
ENSG00000078549	2.25	0.50	-2.1699250014
ENSG00000078579	1.00	1.25	0.3219280949
ENSG00000078596	5.00	6.50	0.3785116233
ENSG00000078618	3502.25	3513.50	0.0046268277

ENSG00000078668	1223.75	1121.25	-0.1262008747
ENSG00000078674	3507.75	2481.00	-0.4996241942
ENSG00000078687	543.75	383.00	-0.5055991037
ENSG00000078699	657.25	402.75	-0.7065576479
ENSG00000078725	43.50	21.50	-1.0166787411
ENSG00000078747	1555.25	1590.25	0.0321070803
ENSG00000078795	5.00	8.25	0.7224660245
ENSG00000078804	716.50	946.25	0.4012546906
ENSG00000078808	5023.00	4982.50	-0.0116794699
ENSG00000078814	35.00	41.75	0.2544212755
ENSG00000078900	13.00	11.50	-0.1768777621
ENSG00000078902	1194.00	1109.75	-0.1055681279
ENSG00000078967	377.00	268.50	-0.4896424353
ENSG00000079101	24.75	8.50	-1.5418937788
ENSG00000079102	1149.00	846.25	-0.4412229642
ENSG00000079112	12.00	6.00	-1.0000000000
ENSG00000079134	423.50	300.25	-0.4961977236
ENSG00000079150	806.50	569.50	-0.5019786914
ENSG00000079156	36.50	21.00	-0.7975071361
ENSG00000079215	77.50	60.50	-0.3572611680
ENSG00000079246	5157.75	5266.00	0.0299656751
ENSG00000079257	2477.00	1040.75	-1.2509703101
ENSG00000079263	7.75	5.25	-0.5618788876
ENSG00000079277	593.50	545.00	-0.1229918000
ENSG00000079308	8891.75	6901.75	-0.3655051698
ENSG00000079313	384.00	442.25	0.2037558320
ENSG00000079332	3279.25	3822.50	0.2211506090
ENSG00000079335	80.50	55.25	-0.5430143187
ENSG00000079337	128.75	81.25	-0.6641327142
ENSG00000079385	8.00	5.00	-0.6780719051
ENSG00000079387	447.00	417.50	-0.0984986338
ENSG00000079393	0.25	0.50	1.0000000000
ENSG00000079432	2585.25	1725.50	-0.5832893257
ENSG00000079435	37.75	48.75	0.3689255744
ENSG00000079459	1029.50	934.50	-0.1396772609
ENSG00000079462	122.75	51.25	-1.2600991148
ENSG00000079482	366.75	325.00	-0.1743572478
ENSG00000079616	200.50	174.75	-0.1983097811
ENSG00000079691	1000.50	2040.25	1.0280247750
ENSG00000079739	1455.50	1545.00	0.0860919987
ENSG00000079785	1935.25	1839.50	-0.0732062727
ENSG00000079805	2432.25	2353.00	-0.0477902040
ENSG00000079819	9034.00	6413.75	-0.4941967934

ENSG00000079841	33.25	51.50	0.6312180917
ENSG00000079931	6763.00	4999.75	-0.4358073954
ENSG00000079950	1335.75	1491.25	0.1588721208
ENSG00000079974	544.75	498.25	-0.1287244863
ENSG00000079999	1652.00	1554.00	-0.0882271830
ENSG00000080007	35.00	15.50	-1.1750867066
ENSG00000080031	41.75	18.25	-1.1938797336
ENSG00000080166	7.00	4.75	-0.5594274086
ENSG00000080189	790.00	761.50	-0.0530086166
ENSG00000080200	2213.50	1295.75	-0.7725419797
ENSG00000080293	0.25	0.50	1.0000000000
ENSG00000080298	151.50	118.50	-0.3544307346
ENSG00000080345	1337.75	1346.00	0.0088698810
ENSG00000080371	1136.75	1167.00	0.0378895570
ENSG00000080493	411.00	225.00	-0.8692133925
ENSG00000080503	3746.25	3366.25	-0.1543048540
ENSG00000080511	1.50	0.50	-1.5849625007
ENSG00000080546	870.00	641.50	-0.4395661356
ENSG00000080561	163.75	156.50	-0.0653322495
ENSG00000080572	1.25	0.50	-1.3219280949
ENSG00000080573	247.00	423.25	0.7769990263
ENSG00000080603	2632.00	2329.00	-0.1764488495
ENSG00000080608	469.50	478.25	0.0266398107
ENSG00000080644	0.50	0.25	-1.0000000000
ENSG00000080709	7.00	7.75	0.1468413883
ENSG00000080802	632.25	538.00	-0.2328889591
ENSG00000080815	1598.00	2021.25	0.3389803654
ENSG00000080819	538.75	519.00	-0.0538814256
ENSG00000080822	926.25	1157.25	0.3212270201
ENSG00000080823	168.50	102.25	-0.7206477482
ENSG00000080824	18538.00	13048.25	-0.5066292761
ENSG00000080839	156.00	141.00	-0.1458508665
ENSG00000080845	2539.50	1984.50	-0.3557689116
ENSG00000080854	0.75	0.25	-1.5849625007
ENSG00000080947	189.75	111.75	-0.7638250542
ENSG00000080986	43.75	48.50	0.1487017304
ENSG00000081014	552.75	490.75	-0.1716388524
ENSG00000081019	379.50	356.75	-0.0891864559
ENSG00000081026	359.25	270.00	-0.4120287494
ENSG00000081041	3.25	1.50	-1.1154772174
ENSG00000081051	5.75	3.25	-0.8231222379
ENSG00000081052	90.00	298.75	1.7309418065
ENSG00000081059	71.50	53.00	-0.4319508822

ENSG00000081087	1072.00	1295.75	0.2734824879
ENSG00000081138	5.75	4.50	-0.3536369546
ENSG00000081148	11.50	7.50	-0.6166713604
ENSG00000081154	3086.75	2595.75	-0.2499371997
ENSG00000081177	459.50	456.00	-0.0110310371
ENSG00000081181	14.50	18.25	0.3318435638
ENSG00000081189	170.25	110.50	-0.6236084286
ENSG00000081237	10.25	9.25	-0.1480986390
ENSG00000081277	0.25	0.50	1.0000000000
ENSG00000081307	1011.50	764.00	-0.4048517765
ENSG00000081320	1054.00	1919.00	0.8644798446
ENSG00000081377	1811.75	2840.75	0.6488879785
ENSG00000081386	345.00	263.75	-0.3874252681
ENSG00000081479	8.25	3.00	-1.4594316186
ENSG00000081665	214.50	134.75	-0.6706923747
ENSG00000081692	327.50	230.75	-0.5051642588
ENSG00000081721	260.00	197.50	-0.3966589700
ENSG00000081760	427.50	361.25	-0.2429268324
ENSG00000081791	1144.00	979.50	-0.2239696545
ENSG00000081800	0.25	0.25	0.0000000000
ENSG00000081803	656.00	1493.25	1.1866880018
ENSG00000081818	18.75	17.50	-0.0995356736
ENSG00000081842	6.25	7.75	0.3103401206
ENSG00000081853	406.00	360.50	-0.1714804679
ENSG00000081870	230.00	261.25	0.1837971760
ENSG00000081913	264.75	225.25	-0.2331035782
ENSG00000081923	1556.00	1592.00	0.0329982756
ENSG00000081985	2.00	4.25	1.0874628413
ENSG00000082014	873.25	851.25	-0.0368118445
ENSG00000082068	632.75	614.75	-0.0416357725
ENSG00000082074	7.00	5.25	-0.4150374993
ENSG00000082126	15.75	31.00	0.9769163869
ENSG00000082146	833.50	1429.25	0.7780041859
ENSG00000082153	5678.00	6297.75	0.1494536393
ENSG00000082175	8.50	10.50	0.3048545815
ENSG00000082196	28.00	18.00	-0.6374299206
ENSG00000082212	546.00	460.50	-0.2456997948
ENSG00000082213	452.00	423.00	-0.0956651093
ENSG00000082258	714.75	690.25	-0.0503197320
ENSG00000082269	266.75	179.50	-0.5715044270
ENSG00000082293	6.50	5.75	-0.1768777621
ENSG00000082397	578.25	447.00	-0.3714185295
ENSG00000082438	956.75	731.75	-0.3867911553

ENSG00000082458	546.25	290.25	-0.9122653075
ENSG00000082482	58.25	37.25	-0.6450176242
ENSG00000082497	7.50	6.00	-0.3219280949
ENSG00000082512	433.50	490.75	0.1789562742
ENSG00000082515	244.25	224.50	-0.1216431172
ENSG00000082516	456.75	476.75	0.0618282097
ENSG00000082556	1.00	0.50	-1.0000000000
ENSG00000082641	11807.75	12217.00	0.0491559799
ENSG00000082684	0.50	0.25	-1.0000000000
ENSG00000082701	1626.50	1421.00	-0.1948642678
ENSG00000082781	7664.25	7277.50	-0.0747016867
ENSG00000082805	1082.75	1060.25	-0.0302956895
ENSG00000082898	3099.25	2429.75	-0.3511112534
ENSG00000082996	1035.75	1127.00	0.1218116952
ENSG00000083067	20.75	12.75	-0.7026140894
ENSG00000083093	242.75	195.00	-0.3159971717
ENSG00000083097	668.25	417.00	-0.6803405488
ENSG00000083099	662.75	499.25	-0.4087023374
ENSG00000083123	308.50	378.00	0.2931157451
ENSG00000083168	1565.25	1124.75	-0.4767887343
ENSG00000083223	1003.25	2010.50	1.0028731800
ENSG00000083290	999.75	2070.25	1.0501657146
ENSG00000083307	1.00	0.25	-2.0000000000
ENSG00000083312	5132.25	4801.50	-0.0961062705
ENSG00000083444	6993.75	6087.50	-0.2002163589
ENSG00000083454	10.00	15.50	0.6322682155
ENSG00000083457	241.75	275.75	0.1898449961
ENSG00000083520	1076.50	1230.75	0.1931894201
ENSG00000083535	344.50	343.75	-0.0031442694
ENSG00000083544	307.50	236.50	-0.3787462269
ENSG00000083635	139.75	117.50	-0.2501875263
ENSG00000083642	1011.50	806.75	-0.3263027421
ENSG00000083720	778.25	1104.25	0.5047612556
ENSG00000083750	499.50	469.25	-0.0901279330
ENSG00000083782	1.50	0.25	-2.5849625007
ENSG00000083799	1324.50	1009.25	-0.3921642569
ENSG00000083807	100.25	102.50	0.0320216731
ENSG00000083812	249.00	195.50	-0.3489771348
ENSG00000083814	178.75	147.50	-0.2772282874
ENSG00000083817	121.00	83.50	-0.5351589448
ENSG00000083828	63.00	48.00	-0.3923174228
ENSG00000083838	227.25	192.25	-0.2412966962
ENSG00000083844	379.50	414.25	0.1264018118

ENSG00000083845	8997.50	8043.50 -0.1617007935
ENSG00000083857	9343.00	8024.00 -0.2195642620
ENSG00000083896	650.25	561.50 -0.2117084715
ENSG00000083937	848.75	811.75 -0.0643041898
ENSG00000084070	540.50	456.00 -0.2452607936
ENSG00000084072	577.25	514.50 -0.1660251909
ENSG00000084073	1877.50	1888.00 0.0080458570
ENSG00000084090	2387.00	4900.50 1.0377303891
ENSG00000084092	621.75	512.50 -0.2787825978
ENSG00000084093	959.25	930.25 -0.0442883745
ENSG00000084110	5.50	2.00 -1.4594316186
ENSG00000084112	2770.00	2935.75 0.0838431414
ENSG00000084207	3805.50	3330.75 -0.1922389481
ENSG00000084234	27189.75	26076.50 -0.0603126430
ENSG00000084444	230.75	300.75 0.3822340895
ENSG00000084453	5.50	4.00 -0.4594316186
ENSG00000084463	1286.25	1239.50 -0.0534128057
ENSG00000084623	2822.25	2515.00 -0.1662873901
ENSG00000084628	3.75	3.50 -0.0995356736
ENSG00000084636	3935.25	2562.00 -0.6191848150
ENSG00000084652	3550.00	4415.75 0.3148394709
ENSG00000084674	127.25	275.75 1.1156952295
ENSG00000084676	1283.00	1131.00 -0.1819222411
ENSG00000084693	700.00	581.75 -0.2669556164
ENSG00000084710	43.50	9.00 -2.2730184944
ENSG00000084731	714.25	632.75 -0.1747935288
ENSG00000084733	2863.25	2359.75 -0.2790196188
ENSG00000084734	5.50	5.00 -0.1375035237
ENSG00000084754	4624.50	4893.25 0.0814956029
ENSG00000084764	419.00	225.50 -0.8938228104
ENSG00000084774	1078.50	1139.50 0.0793747481
ENSG00000085063	11377.75	11132.00 -0.0315024728
ENSG00000085117	1467.00	3233.00 1.1400046365
ENSG00000085185	466.50	427.50 -0.1259526611
ENSG00000085224	3863.25	2714.75 -0.5089956937
ENSG00000085231	91.00	81.25 -0.1634987323
ENSG00000085265	14.25	26.75 0.9085769722
ENSG00000085274	447.75	357.50 -0.3247501903
ENSG00000085276	1525.50	1256.75 -0.2795844909
ENSG00000085365	1187.00	1024.50 -0.2123999506
ENSG00000085377	558.25	736.75 0.4002638093
ENSG00000085382	371.00	293.00 -0.3405185222
ENSG00000085415	316.50	487.75 0.6239363732

ENSG00000085433	577.50	555.00 -0.0573331751
ENSG00000085449	1886.25	1783.25 -0.0810119272
ENSG00000085465	38.50	59.25 0.6219567082
ENSG00000085491	899.75	965.00 0.1010047452
ENSG00000085511	978.00	639.25 -0.6134542097
ENSG00000085514	31.25	30.75 -0.0232697793
ENSG00000085552	5.50	0.50 -3.4594316186
ENSG00000085563	137.25	72.00 -0.9307373376
ENSG00000085644	376.00	289.50 -0.3771693137
ENSG00000085662	3168.00	2149.75 -0.5594034406
ENSG00000085719	2493.75	3135.25 0.3302636446
ENSG00000085721	368.00	390.25 0.0846928659
ENSG00000085733	9952.00	9583.00 -0.0545091168
ENSG00000085741	7.75	4.75 -0.7062687969
ENSG00000085760	535.00	518.00 -0.0465867936
ENSG00000085788	1103.50	1213.00 0.1364929208
ENSG00000085831	10.50	12.00 0.1926450779
ENSG00000085832	2140.75	2001.50 -0.0970347097
ENSG00000085840	10.75	8.75 -0.2969817378
ENSG00000085871	141.00	125.00 -0.1737670677
ENSG00000085872	838.75	750.50 -0.1603887895
ENSG00000085978	272.75	319.25 0.2271074234
ENSG00000085982	1263.50	968.50 -0.3836017103
ENSG00000085998	1125.25	1128.75 0.0044804230
ENSG00000085999	12.50	5.00 -1.3219280949
ENSG00000086015	2150.00	1538.75 -0.4825778031
ENSG00000086061	4288.00	3156.75 -0.4418648954
ENSG00000086062	4200.50	2536.75 -0.7275797201
ENSG00000086065	1440.50	1327.75 -0.1175861311
ENSG00000086102	1348.50	984.75 -0.4535261046
ENSG00000086159	1.75	3.25 0.8930847961
ENSG00000086189	465.50	540.50 0.2155134502
ENSG00000086200	604.00	495.50 -0.2856634921
ENSG00000086205	4.00	2.50 -0.6780719051
ENSG00000086232	2178.25	2210.50 0.0212031911
ENSG00000086289	1172.25	1085.25 -0.1112528565
ENSG00000086300	3.00	2.25 -0.4150374993
ENSG00000086475	900.50	760.75 -0.2433038474
ENSG00000086504	661.75	553.00 -0.2590068093
ENSG00000086506	1.00	0.25 -2.0000000000
ENSG00000086544	831.00	1073.25 0.3690657907
ENSG00000086570	17.50	14.50 -0.2713020218
ENSG00000086589	561.50	482.75 -0.2180097634

ENSG00000086598	5540.25	5302.00	-0.0634144082
ENSG00000086619	129.00	140.25	0.1206297052
ENSG00000086666	1141.25	984.25	-0.2135181477
ENSG00000086696	62.00	51.25	-0.2747162109
ENSG00000086712	599.00	547.50	-0.1296970383
ENSG00000086717	1.00	4.50	2.1699250014
ENSG00000086730	39.25	35.00	-0.1653377319
ENSG00000086758	9022.25	8167.50	-0.1435927130
ENSG00000086827	350.50	304.25	-0.2041571813
ENSG00000086848	563.50	706.75	0.3267843677
ENSG00000086967	4.25	0.50	-3.0874628413
ENSG00000086991	42.75	43.25	0.0167757128
ENSG00000087008	389.50	320.25	-0.2824247577
ENSG00000087053	764.50	740.25	-0.0465039162
ENSG00000087074	1652.00	1511.25	-0.1284713473
ENSG00000087076	322.75	194.25	-0.7325024969
ENSG00000087077	2017.25	1505.75	-0.4219076309
ENSG00000087085	6.75	5.50	-0.2954558835
ENSG00000087086	246681.00	146158.25	-0.7551153345
ENSG00000087087	1699.50	1652.50	-0.0404600901
ENSG00000087088	1598.75	1394.00	-0.1977137979
ENSG00000087095	218.75	205.00	-0.0936591072
ENSG00000087111	1139.25	1153.50	0.0179336335
ENSG00000087116	3716.75	5437.50	0.5489018445
ENSG00000087152	1084.75	1175.50	0.1159119528
ENSG00000087157	734.50	741.50	0.0136842019
ENSG00000087191	1465.00	1827.25	0.3187733689
ENSG00000087206	495.75	403.00	-0.2988329337
ENSG00000087237	6.25	3.25	-0.9434164716
ENSG00000087245	150634.50	123061.50	-0.2916727472
ENSG00000087250	1.25	1.50	0.2630344058
ENSG00000087253	982.00	747.25	-0.3941320326
ENSG00000087258	8.25	3.50	-1.2370391973
ENSG00000087263	715.50	721.50	0.0120476278
ENSG00000087266	610.00	297.25	-1.0371324327
ENSG00000087269	840.50	901.50	0.1010796722
ENSG00000087274	7533.50	7715.50	0.0344393686
ENSG00000087299	146.75	114.25	-0.3611663381
ENSG00000087301	258.00	296.25	0.1994440884
ENSG00000087302	2039.25	1887.25	-0.1117531057
ENSG00000087303	6736.75	8742.00	0.3759106160
ENSG00000087338	285.75	369.25	0.3698444226
ENSG00000087365	4525.25	4388.25	-0.0443517780

ENSG00000087448	727.25	1360.25	0.9033485320
ENSG00000087460	16997.50	14624.25	-0.2169599313
ENSG00000087470	1130.75	1218.00	0.1072341373
ENSG00000087494	49.75	73.00	0.5531999383
ENSG00000087495	4.00	4.50	0.1699250014
ENSG00000087502	1233.25	1115.50	-0.1447747738
ENSG00000087510	6.75	11.00	0.7045441165
ENSG00000087586	201.50	171.00	-0.2367835136
ENSG00000087589	377.75	489.25	0.3731400955
ENSG00000087842	269.75	158.00	-0.7716984013
ENSG00000087884	278.50	322.75	0.2127397680
ENSG00000087903	300.50	193.75	-0.6331686805
ENSG00000087995	269.50	250.00	-0.1083571781
ENSG00000088002	7.75	3.25	-1.2537565922
ENSG00000088035	189.00	161.75	-0.2246205222
ENSG00000088038	776.75	865.00	0.1552497964
ENSG00000088053	0.25	0.50	1.0000000000
ENSG00000088179	388.50	237.00	-0.7130275395
ENSG00000088205	1102.75	1041.75	-0.0820966604
ENSG00000088247	2847.25	2598.50	-0.1318901141
ENSG00000088256	1807.00	1942.50	0.1043180924
ENSG00000088280	977.00	819.50	-0.2536146129
ENSG00000088298	685.00	618.50	-0.1473303929
ENSG00000088305	69.25	42.25	-0.7128627298
ENSG00000088320	1.00	4.75	2.2479275134
ENSG00000088325	354.25	180.00	-0.9767709466
ENSG00000088340	137.25	157.00	0.1939584099
ENSG00000088356	230.75	223.75	-0.0444429655
ENSG00000088367	1583.00	1283.50	-0.3025779596
ENSG00000088386	5.25	5.50	0.0671141959
ENSG00000088387	413.50	481.25	0.2188992113
ENSG00000088448	1727.00	1137.25	-0.6027186482
ENSG00000088451	115.50	122.50	0.0848888976
ENSG00000088538	40.50	24.75	-0.7104933828
ENSG00000088543	540.25	503.00	-0.1030687671
ENSG00000088682	581.50	474.25	-0.2941314181
ENSG00000088726	3.75	1.75	-1.0995356736
ENSG00000088727	64.50	71.25	0.1435908536
ENSG00000088756	1169.75	368.75	-1.6654852742
ENSG00000088766	334.75	471.75	0.4949384623
ENSG00000088808	171.00	120.25	-0.5079594311
ENSG00000088812	3183.50	3043.50	-0.0648823984
ENSG00000088826	353.00	183.25	-0.9458549851

ENSG00000088827	2.75	2.50	-0.1375035237
ENSG00000088832	4218.00	4256.50	0.0131085353
ENSG00000088833	1161.00	895.75	-0.3741999287
ENSG00000088836	64.25	72.25	0.1693011333
ENSG00000088854	1485.75	1727.50	0.2174943297
ENSG00000088876	329.25	390.25	0.2452151917
ENSG00000088881	88.25	75.50	-0.2251196339
ENSG00000088882	80.00	44.25	-0.8543225448
ENSG00000088888	2477.00	3467.75	0.4854060257
ENSG00000088899	250.25	225.75	-0.1486440814
ENSG00000088930	2992.00	2612.25	-0.1958172016
ENSG00000088970	735.75	593.75	-0.3093600288
ENSG00000088986	2409.00	2231.50	-0.1104205870
ENSG00000088992	1.75	1.75	0.0000000000
ENSG00000089006	2199.75	2578.00	0.2289126919
ENSG00000089009	17167.75	14909.50	-0.2034690959
ENSG00000089022	515.00	523.25	0.0229279742
ENSG00000089041	247.50	74.50	-1.7321161945
ENSG00000089048	413.50	436.00	0.0764408056
ENSG00000089050	431.25	282.50	-0.6102735893
ENSG00000089053	2347.00	2145.75	-0.1293358435
ENSG00000089057	1027.50	751.75	-0.4508135260
ENSG00000089060	818.25	1036.50	0.3411065141
ENSG00000089063	2675.50	2440.75	-0.1324839979
ENSG00000089091	47.50	37.25	-0.3506870879
ENSG00000089094	576.75	498.00	-0.2118003566
ENSG00000089101	2.75	3.00	0.1255308821
ENSG00000089123	108.50	165.75	0.6113138277
ENSG00000089127	29.50	13.25	-1.1547225948
ENSG00000089154	2775.75	2709.00	-0.0351172428
ENSG00000089157	42593.75	39991.25	-0.0909573760
ENSG00000089159	4713.25	3670.50	-0.3607456046
ENSG00000089163	28.00	17.25	-0.6988304653
ENSG00000089169	8.00	8.25	0.0443941194
ENSG00000089177	571.75	521.75	-0.1320257653
ENSG00000089195	183.00	194.25	0.0860709501
ENSG00000089199	5.00	5.25	0.0703893279
ENSG00000089220	3877.75	3840.50	-0.0139256457
ENSG00000089225	823.50	594.75	-0.4694852833
ENSG00000089234	583.25	548.00	-0.0899385090
ENSG00000089248	2309.25	1856.00	-0.3152276576
ENSG00000089250	17.75	19.75	0.1540336287
ENSG00000089280	2320.25	2409.75	0.0546032217

ENSG00000089289	1235.75	1203.25	-0.0384504832
ENSG00000089327	1059.50	805.25	-0.3958749270
ENSG00000089335	710.00	528.50	-0.4259155530
ENSG00000089351	885.50	712.75	-0.3130961728
ENSG00000089356	1.00	1.75	0.8073549221
ENSG00000089472	3409.25	2677.75	-0.3484331219
ENSG00000089486	501.50	493.75	-0.0224689527
ENSG00000089505	33.75	23.50	-0.5222267454
ENSG00000089558	0.50	0.75	0.5849625007
ENSG00000089597	9532.25	9404.50	-0.0194655458
ENSG00000089639	168.00	139.50	-0.2681961109
ENSG00000089682	289.00	235.75	-0.2938117218
ENSG00000089685	46.25	47.00	0.0232073912
ENSG00000089692	5.00	4.75	-0.0740005814
ENSG00000089693	2673.25	2321.00	-0.2038482408
ENSG00000089723	59.50	33.00	-0.8504236439
ENSG00000089737	250.75	222.00	-0.1756900243
ENSG00000089775	311.00	291.25	-0.0946565306
ENSG00000089818	519.75	456.50	-0.1872029929
ENSG00000089820	34.75	26.00	-0.4185013546
ENSG00000089847	61.00	54.25	-0.1691861051
ENSG00000089876	641.00	576.75	-0.1523782579
ENSG00000089902	548.75	459.00	-0.2576548810
ENSG00000089916	1235.75	1208.75	-0.0318710168
ENSG00000090006	32594.25	25929.25	-0.3300370019
ENSG00000090013	845.00	648.75	-0.3812887079
ENSG00000090020	1305.50	1027.00	-0.3461662760
ENSG00000090054	1803.25	1607.75	-0.1655563343
ENSG00000090060	3542.00	3485.75	-0.0230951098
ENSG00000090061	800.75	829.75	0.0513248313
ENSG00000090097	1100.00	810.00	-0.4415097106
ENSG00000090238	908.25	1092.00	0.2658114905
ENSG00000090263	437.25	358.50	-0.2864852652
ENSG00000090266	598.50	587.00	-0.0279907438
ENSG00000090273	1095.75	1182.25	0.1096164629
ENSG00000090316	1345.50	1199.75	-0.1654085779
ENSG00000090339	289.25	310.00	0.0999512562
ENSG00000090372	1322.75	1319.50	-0.0035490671
ENSG00000090376	500.75	829.00	0.7272815857
ENSG00000090382	0.25	1.75	2.8073549221
ENSG00000090432	721.00	757.25	0.0707704136
ENSG00000090447	165.75	131.00	-0.3394420586
ENSG00000090470	575.50	575.75	0.0006265777

ENSG00000090487	1989.00	1915.25	-0.0545105549
ENSG00000090520	911.75	914.50	0.0043448754
ENSG00000090530	116.00	83.25	-0.4786026281
ENSG00000090534	25.25	14.50	-0.8002304876
ENSG00000090539	267.50	239.00	-0.1625282733
ENSG00000090554	260.00	186.75	-0.4774033802
ENSG00000090565	896.50	1156.00	0.3667659096
ENSG00000090581	1521.50	1256.75	-0.2757966448
ENSG00000090612	568.25	471.50	-0.2692680081
ENSG00000090615	2422.25	2420.00	-0.0013407255
ENSG00000090621	4566.50	3903.00	-0.2265053705
ENSG00000090659	1.75	1.75	0.0000000000
ENSG00000090661	209.00	142.25	-0.5550742898
ENSG00000090674	569.25	621.50	0.1266920049
ENSG00000090686	1822.75	1923.50	0.0776171281
ENSG00000090776	700.00	408.00	-0.7787857699
ENSG00000090857	1794.50	1663.00	-0.1097937545
ENSG00000090861	3731.75	2312.75	-0.6902430152
ENSG00000090863	6529.00	5368.00	-0.2824773699
ENSG00000090889	35.50	23.50	-0.5951582678
ENSG00000090905	3083.50	2952.50	-0.0626317867
ENSG00000090924	1223.00	1358.00	0.1510590757
ENSG00000090932	3.25	1.50	-1.1154772174
ENSG00000090971	311.00	324.00	0.0590792328
ENSG00000090975	536.75	572.00	0.0917648609
ENSG00000090989	1561.25	1387.00	-0.1707337842
ENSG00000091009	592.50	603.50	0.0265386170
ENSG00000091010	0.25	0.25	0.0000000000
ENSG00000091039	5654.75	4341.50	-0.3812696593
ENSG00000091073	191.25	174.25	-0.1343010917
ENSG00000091106	9.50	9.50	0.0000000000
ENSG00000091127	151.50	224.00	0.5641809386
ENSG00000091128	5.75	13.75	1.2577977575
ENSG00000091129	213.50	161.50	-0.4027019049
ENSG00000091136	24228.75	38659.00	0.6740843438
ENSG00000091137	10.50	11.00	0.0671141959
ENSG00000091140	908.25	838.50	-0.1152786769
ENSG00000091157	548.75	565.50	0.0433779896
ENSG00000091164	1471.50	1063.50	-0.4684675090
ENSG00000091181	2.00	1.50	-0.4150374993
ENSG00000091262	79.75	31.50	-1.3401326903
ENSG00000091317	1904.25	2681.50	0.4938173577
ENSG00000091409	292.00	393.25	0.4294783965

ENSG00000091428	57.25	28.25 -1.0190248257
ENSG00000091436	5318.50	4671.50 -0.1871335455
ENSG00000091483	887.00	1066.25 0.2655397319
ENSG00000091490	2073.00	1362.00 -0.6059934131
ENSG00000091513	37.75	31.25 -0.2726204547
ENSG00000091527	3975.75	6003.00 0.5944566266
ENSG00000091536	58.75	53.00 -0.1485964920
ENSG00000091542	1749.75	1600.25 -0.1288514994
ENSG00000091583	1.25	2.75 1.1375035237
ENSG00000091592	1950.75	1213.50 -0.6848547915
ENSG00000091622	40.25	26.50 -0.6029964236
ENSG00000091640	808.25	784.75 -0.0425684785
ENSG00000091651	93.00	74.00 -0.3297054455
ENSG00000091656	995.00	826.25 -0.2681181590
ENSG00000091704	6.25	3.75 -0.7369655942
ENSG00000091732	276.75	243.25 -0.1861435120
ENSG00000091831	52.00	22.50 -1.2085866218
ENSG00000091844	113.25	66.75 -0.7626713084
ENSG00000091879	9.50	7.50 -0.3410369178
ENSG00000091947	464.00	386.75 -0.2627235137
ENSG00000091972	71.50	42.00 -0.7675539140
ENSG00000091986	181002.50	170242.50 -0.0884183819
ENSG00000092009	2.25	1.50 -0.5849625007
ENSG00000092010	1637.00	1368.50 -0.2584588871
ENSG00000092020	421.50	399.00 -0.0791438847
ENSG00000092036	453.75	450.50 -0.0103705371
ENSG00000092068	1466.75	2114.25 0.5275229866
ENSG00000092094	367.75	259.00 -0.5057732436
ENSG00000092096	453.50	372.50 -0.2838621252
ENSG00000092098	732.50	620.75 -0.2388164031
ENSG00000092108	1142.75	1097.25 -0.0586175487
ENSG00000092140	337.50	326.75 -0.0467002661
ENSG00000092148	6875.00	5708.50 -0.2682480094
ENSG00000092199	5420.75	5016.75 -0.1117394267
ENSG00000092200	6.75	4.50 -0.5849625007
ENSG00000092201	2658.00	2372.00 -0.1642370947
ENSG00000092203	1709.25	1521.75 -0.1676320595
ENSG00000092208	88.50	78.25 -0.1775867032
ENSG00000092295	18.25	12.50 -0.5459683691
ENSG00000092330	850.50	695.75 -0.2897422323
ENSG00000092345	1.00	0.25 -2.0000000000
ENSG00000092421	55.25	52.50 -0.0736570417
ENSG00000092439	2018.25	2054.75 0.0258579812

ENSG00000092445	577.50	395.50 -0.5461432518
ENSG00000092470	112.00	77.50 -0.5312305168
ENSG00000092529	180.25	247.50 0.4574292657
ENSG00000092531	1294.50	1231.25 -0.0722712407
ENSG00000092607	3.25	2.25 -0.5305147167
ENSG00000092621	1918.00	624.75 -1.6182518189
ENSG00000092758	4.75	4.75 0.0000000000
ENSG00000092820	1692.25	1524.25 -0.1508431709
ENSG00000092841	10660.75	15007.00 0.4933266639
ENSG00000092847	1235.00	861.25 -0.5200070589
ENSG00000092850	2.50	4.00 0.6780719051
ENSG00000092853	65.25	24.00 -1.4429434958
ENSG00000092871	447.00	444.25 -0.0089030552
ENSG00000092929	39.75	55.50 0.4815329111
ENSG00000092931	475.25	356.50 -0.4147845502
ENSG00000092964	4422.25	3404.00 -0.3775495493
ENSG00000092969	372.25	92.50 -2.0087465781
ENSG00000092978	298.75	261.00 -0.1948889063
ENSG00000093000	1366.75	1551.25 0.1826818348
ENSG00000093009	11.00	12.75 0.2129937233
ENSG00000093010	2802.50	3134.00 0.1612908068
ENSG00000093072	767.00	512.00 -0.5830827675
ENSG00000093134	17.75	10.50 -0.7574296967
ENSG00000093144	1217.50	1887.75 0.6327459449
ENSG00000093167	1758.75	2544.25 0.5326900145
ENSG00000093183	1270.25	1548.00 0.2852930073
ENSG00000093217	113.50	50.25 -1.1754967961
ENSG00000094631	580.75	482.50 -0.2673883067
ENSG00000094755	28.25	26.25 -0.1059334447
ENSG00000094804	36.75	34.50 -0.0911478881
ENSG00000094841	157.00	149.25 -0.0730336276
ENSG00000094880	652.75	543.75 -0.2635870567
ENSG00000094914	797.50	707.75 -0.1722446747
ENSG00000094916	2945.75	1705.75 -0.7882287806
ENSG00000094963	2080.00	2663.75 0.3568751596
ENSG00000094975	855.75	732.75 -0.2238683243
ENSG00000095002	487.00	334.25 -0.5429942120
ENSG00000095015	386.50	278.50 -0.4727910866
ENSG00000095059	496.25	501.00 0.0137435012
ENSG00000095066	257.25	211.25 -0.2842197357
ENSG00000095110	1.50	0.25 -2.5849625007
ENSG00000095139	4295.00	4620.50 0.1053908477
ENSG00000095203	111.50	93.75 -0.2501531145

ENSG00000095209	255.75	164.00	-0.6410384251
ENSG00000095261	1126.00	894.75	-0.3316502837
ENSG00000095303	1232.75	2102.50	0.7702255476
ENSG00000095319	1216.75	898.25	-0.4378438393
ENSG00000095321	1618.75	1677.75	0.0516475643
ENSG00000095370	5.25	5.00	-0.0703893279
ENSG00000095380	510.25	624.25	0.2909196389
ENSG00000095383	247.25	320.00	0.3721013841
ENSG00000095397	154.25	90.75	-0.7653009412
ENSG00000095464	3.25	6.50	1.0000000000
ENSG00000095485	241.25	266.50	0.1436065906
ENSG00000095539	183.75	170.50	-0.1079725107
ENSG00000095564	1600.50	1687.75	0.0765785420
ENSG00000095574	395.00	375.25	-0.0740005814
ENSG00000095585	45.75	6.50	-2.8152601201
ENSG00000095587	7.50	8.75	0.2223924213
ENSG00000095627	1.50	2.00	0.4150374993
ENSG00000095637	27.00	67.25	1.3165748604
ENSG00000095739	105.75	131.25	0.3116597594
ENSG00000095752	56.00	66.75	0.2533410096
ENSG00000095787	2560.25	2534.25	-0.0147258403
ENSG00000095794	272.00	219.75	-0.3077434861
ENSG00000095906	523.25	501.75	-0.0605316949
ENSG00000095951	607.00	398.50	-0.6071167923
ENSG00000095970	2.00	0.50	-2.0000000000
ENSG00000096060	354.75	4646.00	3.7111145647
ENSG00000096063	775.50	819.75	0.0800572154
ENSG00000096070	1081.50	1006.00	-0.1044033602
ENSG00000096080	291.75	257.25	-0.1815615788
ENSG00000096092	379.75	458.50	0.2718717691
ENSG00000096093	723.75	643.25	-0.1701118911
ENSG00000096150	4414.00	3962.75	-0.1555846755
ENSG00000096155	200.75	121.00	-0.7303929402
ENSG00000096171	94.50	105.00	0.1520030934
ENSG00000096384	12558.75	8923.50	-0.4930112926
ENSG00000096395	0.75	0.50	-0.5849625007
ENSG00000096401	1047.50	1073.00	0.0346998322
ENSG00000096433	2568.00	2654.25	0.0476590600
ENSG00000096654	205.25	120.00	-0.7743478162
ENSG00000096696	107.00	207.00	0.9520199711
ENSG00000096717	517.75	541.50	0.0647056894
ENSG00000096746	1816.50	1558.75	-0.2207718057
ENSG00000096872	315.00	276.00	-0.1906835616

ENSG00000096968	581.50	817.75	0.4918806626
ENSG00000096996	12.25	11.00	-0.1552782255
ENSG00000097007	6630.00	5703.50	-0.2171613575
ENSG00000097021	565.25	504.00	-0.1654653533
ENSG00000097033	3135.25	3455.00	0.1401052247
ENSG00000097046	60.75	48.00	-0.3398500029
ENSG00000097096	130.00	274.75	1.0796078579
ENSG00000099139	506.25	350.50	-0.5304355586
ENSG00000099194	2503.50	604.75	-2.0495356861
ENSG00000099203	424.00	347.25	-0.2880895706
ENSG00000099204	500.00	1187.75	1.2482312067
ENSG00000099219	563.50	649.50	0.2049139153
ENSG00000099246	1727.25	1623.25	-0.0895917025
ENSG00000099250	7516.00	6121.50	-0.2960798554
ENSG00000099251	23.75	19.25	-0.3030690676
ENSG00000099256	466.50	311.50	-0.5826449178
ENSG00000099260	162.75	94.00	-0.7919248815
ENSG00000099282	1.50	0.25	-2.5849625007
ENSG00000099284	465.75	352.75	-0.4009096863
ENSG00000099290	5121.00	5042.25	-0.0223579088
ENSG00000099308	409.00	467.50	0.1928655218
ENSG00000099326	493.50	365.00	-0.4351536207
ENSG00000099330	164.25	192.50	0.2289650753
ENSG00000099331	2932.00	2716.00	-0.1104016239
ENSG00000099337	315.50	1556.25	2.3023619269
ENSG00000099338	17.50	24.50	0.4854268272
ENSG00000099341	1756.00	1979.50	0.1728432225
ENSG00000099364	334.50	310.75	-0.1062518196
ENSG00000099365	127.50	62.50	-1.0285691522
ENSG00000099377	368.50	384.00	0.0594416916
ENSG00000099381	594.75	567.50	-0.0676629742
ENSG00000099385	577.50	558.00	-0.0495558245
ENSG00000099622	3364.50	2494.75	-0.4314968714
ENSG00000099624	589.00	621.50	0.0774867572
ENSG00000099625	76.50	82.00	0.1001641619
ENSG00000099715	4.75	1.25	-1.9259994186
ENSG00000099725	379.00	205.25	-0.8848156264
ENSG00000099769	2.75	3.25	0.2410080995
ENSG00000099783	2786.00	2885.00	0.0503760609
ENSG00000099785	389.50	503.50	0.3703684499
ENSG00000099795	666.25	619.50	-0.1049593455
ENSG00000099797	751.75	671.00	-0.1639401964
ENSG00000099800	480.50	501.75	0.0624322806

ENSG00000099804	673.75	609.25	-0.1451790219
ENSG00000099810	665.50	686.25	0.0442955780
ENSG00000099812	3.00	2.50	-0.2630344058
ENSG00000099814	960.75	890.25	-0.1099505407
ENSG00000099817	3019.00	2624.25	-0.2021655916
ENSG00000099821	478.50	581.75	0.2818803809
ENSG00000099822	40.75	54.25	0.4128230782
ENSG00000099834	3.00	1.75	-0.7776075787
ENSG00000099840	25.75	52.25	1.0208586049
ENSG00000099849	25.00	57.00	1.1890338244
ENSG00000099860	220.25	538.25	1.2891343952
ENSG00000099864	2086.75	1840.00	-0.1815520046
ENSG00000099866	9.75	10.00	0.0365258760
ENSG00000099875	1504.50	1647.50	0.1309943586
ENSG00000099889	245.25	167.25	-0.5522469256
ENSG00000099899	567.75	449.00	-0.3385403560
ENSG00000099901	607.00	549.25	-0.1442335518
ENSG00000099904	1051.75	1202.75	0.1935449813
ENSG00000099910	539.25	452.50	-0.2530364792
ENSG00000099917	1958.00	1904.50	-0.0399684770
ENSG00000099937	0.50	0.50	0.0000000000
ENSG00000099940	1165.25	903.50	-0.3670430067
ENSG00000099942	1520.00	1467.00	-0.0512024527
ENSG00000099949	1556.50	1667.50	0.0993811846
ENSG00000099953	175.00	108.25	-0.6929878971
ENSG00000099954	5.25	5.00	-0.0703893279
ENSG00000099956	543.25	399.75	-0.4425182357
ENSG00000099957	82.00	62.25	-0.3975500726
ENSG00000099958	1.75	1.00	-0.8073549221
ENSG00000099960	14.25	9.75	-0.5474877953
ENSG00000099968	1512.25	1361.25	-0.1517646117
ENSG00000099974	25.25	33.25	0.3970709527
ENSG00000099977	234.50	271.50	0.2113642753
ENSG00000099984	11.75	18.50	0.6548645140
ENSG00000099991	1394.50	2100.25	0.5908131327
ENSG00000099992	357.75	412.25	0.2045677267
ENSG00000099994	61.25	90.25	0.5592170879
ENSG00000099995	2071.50	2000.00	-0.0506758203
ENSG00000099998	199.50	948.25	2.2488787201
ENSG00000099999	339.75	286.25	-0.2471978578
ENSG00000100003	202.50	277.50	0.4545658635
ENSG00000100012	2.00	1.50	-0.4150374993
ENSG00000100014	2330.75	2705.75	0.2152342795

ENSG00000100023	1010.75	858.50	-0.2355361643
ENSG00000100024	9.50	10.00	0.0740005814
ENSG00000100027	97.50	118.00	0.2753127356
ENSG00000100028	883.75	742.75	-0.2507616099
ENSG00000100029	1211.75	1209.00	-0.0032778379
ENSG00000100030	3400.75	3199.25	-0.0881192190
ENSG00000100031	54.75	64.00	0.2252129404
ENSG00000100033	7.25	89.00	3.6177524358
ENSG00000100034	1343.75	1011.00	-0.4104817575
ENSG00000100036	92.25	114.75	0.3148733374
ENSG00000100038	368.75	386.25	0.0668918837
ENSG00000100055	4.75	1.25	-1.9259994186
ENSG00000100056	352.75	337.50	-0.0637585807
ENSG00000100058	217.50	207.50	-0.0679040645
ENSG00000100065	90.50	63.75	-0.5054924502
ENSG00000100068	34.75	35.25	0.0206102797
ENSG00000100075	1123.50	1254.00	0.1585372236
ENSG00000100077	118.25	90.25	-0.3898413465
ENSG00000100078	1.00	0.25	-2.0000000000
ENSG00000100079	12.75	12.75	0.0000000000
ENSG00000100083	811.25	684.25	-0.2456230435
ENSG00000100084	915.25	903.50	-0.0186412674
ENSG00000100092	197.75	116.50	-0.7633477398
ENSG00000100097	19466.00	15927.00	-0.2894819129
ENSG00000100099	805.25	541.00	-0.5738081616
ENSG00000100100	2694.25	2430.00	-0.1489274111
ENSG00000100104	290.75	270.50	-0.1041505976
ENSG00000100105	444.75	343.25	-0.3737348851
ENSG00000100106	6498.75	4370.25	-0.5724464387
ENSG00000100109	733.75	702.25	-0.0633038789
ENSG00000100116	102.50	149.00	0.5396884210
ENSG00000100121	1.50	2.75	0.8744691179
ENSG00000100122	1.25	0.50	-1.3219280949
ENSG00000100124	235.00	254.75	0.1164213896
ENSG00000100129	7558.50	6646.50	-0.1855051295
ENSG00000100138	1218.50	1185.50	-0.0396105882
ENSG00000100139	782.75	710.75	-0.1392094095
ENSG00000100142	429.50	470.75	0.1323029635
ENSG00000100146	1.00	0.50	-1.0000000000
ENSG00000100147	47.75	33.25	-0.5221463925
ENSG00000100150	269.75	205.25	-0.3942407377
ENSG00000100151	85.25	75.50	-0.1752231897
ENSG00000100154	2764.75	1431.00	-0.9501253599

ENSG00000100156	2.75	3.50	0.3479233034
ENSG00000100162	13.25	6.75	-0.9730329524
ENSG00000100167	28.25	10.00	-1.4982508675
ENSG00000100170	2.25	1.00	-1.1699250014
ENSG00000100196	1445.00	1479.00	0.0335525597
ENSG00000100197	10.00	4.25	-1.2344652536
ENSG00000100201	12735.75	11906.25	-0.0971648289
ENSG00000100206	24.00	64.75	1.4318457870
ENSG00000100207	125.75	96.50	-0.3819575525
ENSG00000100209	227.50	158.25	-0.5236610457
ENSG00000100211	536.00	429.00	-0.3212553530
ENSG00000100216	818.25	751.00	-0.1237287895
ENSG00000100218	1.00	0.75	-0.4150374993
ENSG00000100219	1264.50	1129.25	-0.1632021232
ENSG00000100220	1224.75	1056.75	-0.2128531793
ENSG00000100221	1152.50	1307.00	0.1814923905
ENSG00000100225	1793.00	1622.00	-0.1446016687
ENSG00000100226	980.50	970.25	-0.0151611024
ENSG00000100227	1823.75	1573.50	-0.2129307995
ENSG00000100228	170.75	150.50	-0.1821220915
ENSG00000100234	67704.50	37119.25	-0.8670841653
ENSG00000100239	1255.50	1234.75	-0.0240430599
ENSG00000100241	3152.50	3228.75	0.0344793678
ENSG00000100242	1958.25	5516.50	1.4941882662
ENSG00000100243	13495.00	14515.25	0.1051444433
ENSG00000100246	284.25	236.75	-0.2637959234
ENSG00000100249	3.75	1.50	-1.3219280949
ENSG00000100253	1.00	1.50	0.5849625007
ENSG00000100258	1564.75	1455.75	-0.1041695575
ENSG00000100263	325.75	278.25	-0.2273834912
ENSG00000100266	883.50	1194.25	0.4348028369
ENSG00000100271	295.50	228.25	-0.3725432702
ENSG00000100276	0.25	1.25	2.3219280949
ENSG00000100280	1402.00	1169.25	-0.2619029206
ENSG00000100281	685.25	622.50	-0.1385565859
ENSG00000100284	1020.50	1043.00	0.0314629755
ENSG00000100285	31.75	34.75	0.1302563860
ENSG00000100288	598.00	462.00	-0.3722526328
ENSG00000100292	3652.00	1334.00	-1.4529280988
ENSG00000100294	182.50	201.75	0.1446722095
ENSG00000100296	792.25	809.50	0.0310753259
ENSG00000100297	230.00	241.00	0.0673992853
ENSG00000100298	1.75	1.00	-0.8073549221

ENSG00000100299	992.25	932.25	-0.0899867652
ENSG00000100300	1848.25	1981.75	0.1006150631
ENSG00000100302	60.75	14.00	-2.1174575815
ENSG00000100304	500.25	655.00	0.3888456445
ENSG00000100307	805.75	824.50	0.0331872104
ENSG00000100314	4.25	3.50	-0.2801079192
ENSG00000100316	34135.50	30081.25	-0.1824083657
ENSG00000100319	279.50	227.50	-0.2969817378
ENSG00000100320	6639.50	4622.25	-0.5224793090
ENSG00000100321	762.25	592.00	-0.3646670694
ENSG00000100324	676.50	558.00	-0.2778248121
ENSG00000100325	1031.75	816.50	-0.3375686474
ENSG00000100330	1824.00	1498.75	-0.2833459759
ENSG00000100335	1025.00	1042.75	0.0247694025
ENSG00000100336	189.25	155.50	-0.2833787199
ENSG00000100341	20.50	13.50	-0.6026645025
ENSG00000100342	1128.00	856.75	-0.3968208759
ENSG00000100344	106.25	124.00	0.2228772794
ENSG00000100345	40827.25	46906.75	0.2002631499
ENSG00000100346	2.00	1.00	-1.0000000000
ENSG00000100347	836.50	792.00	-0.0788651100
ENSG00000100348	1256.75	1078.25	-0.2210059730
ENSG00000100350	733.75	466.75	-0.6526385758
ENSG00000100353	3824.50	3524.00	-0.1180572236
ENSG00000100354	1145.25	895.75	-0.3544945193
ENSG00000100359	707.75	764.50	0.1112766575
ENSG00000100360	682.00	514.75	-0.4058998144
ENSG00000100364	2380.50	1692.50	-0.4921087951
ENSG00000100372	242.25	239.75	-0.0149658504
ENSG00000100376	954.75	514.25	-0.8926531261
ENSG00000100379	308.75	305.25	-0.0164478415
ENSG00000100380	7520.25	5517.00	-0.4468966426
ENSG00000100385	5.75	7.25	0.3344190391
ENSG00000100387	613.50	641.25	0.0638235768
ENSG00000100393	2501.75	2599.50	0.0552965271
ENSG00000100395	587.25	398.50	-0.5593950840
ENSG00000100399	36.00	16.00	-1.1699250014
ENSG00000100401	1874.50	2281.25	0.2833187333
ENSG00000100403	4261.75	4205.50	-0.0191686297
ENSG00000100410	270.50	260.25	-0.0557304305
ENSG00000100412	1797.00	1732.50	-0.0527350565
ENSG00000100413	986.00	868.50	-0.1830617977
ENSG00000100416	341.50	367.50	0.1058586714

ENSG00000100417	774.25	835.50	0.1098403504
ENSG00000100418	582.50	670.50	0.2029792824
ENSG00000100422	1658.50	1645.50	-0.0113529857
ENSG00000100425	771.00	698.00	-0.1435038237
ENSG00000100426	302.50	308.25	0.0271657522
ENSG00000100427	18.00	10.00	-0.8479969066
ENSG00000100429	341.75	349.75	0.0333827196
ENSG00000100433	3.50	2.75	-0.3479233034
ENSG00000100439	2425.50	1813.00	-0.4199032545
ENSG00000100441	1765.00	1808.00	0.0347264943
ENSG00000100442	711.50	704.00	-0.0152883279
ENSG00000100445	484.25	468.00	-0.0492435190
ENSG00000100461	1137.25	885.00	-0.3618000743
ENSG00000100462	847.00	769.75	-0.1379720073
ENSG00000100473	4.25	6.75	0.6674246609
ENSG00000100478	99.25	99.75	0.0072497391
ENSG00000100479	26.75	18.00	-0.5715419850
ENSG00000100483	75.50	71.50	-0.0785334025
ENSG00000100485	821.75	1057.00	0.3632039203
ENSG00000100490	231.50	254.00	0.1338163035
ENSG00000100503	1790.25	1567.50	-0.1916956241
ENSG00000100504	1151.25	1154.25	0.0037545761
ENSG00000100505	66.25	48.00	-0.4648860487
ENSG00000100519	909.00	763.00	-0.2525972374
ENSG00000100522	805.25	909.50	0.1756368823
ENSG00000100523	1242.75	913.00	-0.4448493380
ENSG00000100526	54.25	60.25	0.1513381038
ENSG00000100528	2127.00	2487.00	0.2255864743
ENSG00000100532	193.25	204.75	0.0833950377
ENSG00000100554	902.25	949.00	0.0728808491
ENSG00000100557	4.75	2.75	-0.7884958948
ENSG00000100558	6.25	5.75	-0.1202942337
ENSG00000100564	191.50	186.00	-0.0420417708
ENSG00000100567	911.50	869.00	-0.0688864792
ENSG00000100568	2411.75	2139.00	-0.1731438839
ENSG00000100575	314.25	238.75	-0.3964120115
ENSG00000100577	244.00	174.50	-0.4836541114
ENSG00000100578	391.00	292.75	-0.4174994368
ENSG00000100580	378.00	422.25	0.1597111886
ENSG00000100583	19.25	15.00	-0.3598959451
ENSG00000100591	1171.25	1138.00	-0.0415484902
ENSG00000100592	1118.25	497.75	-1.1677495373
ENSG00000100593	3.25	1.75	-0.8930847961

ENSG00000100596	911.50	898.25	-0.0211256260
ENSG00000100599	746.25	541.00	-0.4640304323
ENSG00000100600	1017.00	1246.25	0.2932738254
ENSG00000100601	144.25	175.75	0.2849533704
ENSG00000100603	1188.25	1151.25	-0.0456372453
ENSG00000100605	285.25	360.75	0.3387725082
ENSG00000100612	820.75	846.25	0.0441410839
ENSG00000100614	1271.00	1310.00	0.0436027814
ENSG00000100625	701.25	498.00	-0.4937831234
ENSG00000100626	758.75	371.75	-1.0292918691
ENSG00000100628	18.75	43.50	1.2141248054
ENSG00000100629	65.75	64.75	-0.0221107016
ENSG00000100632	1182.00	973.25	-0.2803476908
ENSG00000100644	6572.25	8774.00	0.4168473467
ENSG00000100647	705.25	988.75	0.4874710288
ENSG00000100650	5459.75	4822.25	-0.1791284456
ENSG00000100664	4975.75	4139.75	-0.2653703552
ENSG00000100678	3.00	6.75	1.1699250014
ENSG00000100697	1620.50	1612.25	-0.0073635511
ENSG00000100711	1412.00	1153.50	-0.2917220846
ENSG00000100714	993.75	1160.50	0.2237916623
ENSG00000100721	2.00	1.25	-0.6780719051
ENSG00000100722	1335.75	1179.25	-0.1797804163
ENSG00000100726	357.50	358.50	0.0040298770
ENSG00000100731	2777.50	2227.00	-0.3186853535
ENSG00000100739	346.50	92.25	-1.9092345361
ENSG00000100744	446.75	392.25	-0.1876942821
ENSG00000100749	84.75	82.75	-0.0344540563
ENSG00000100764	1138.75	1020.00	-0.1588819018
ENSG00000100767	196.50	338.00	0.7824939340
ENSG00000100784	300.75	75.00	-2.0036022367
ENSG00000100796	1225.50	990.25	-0.3075057830
ENSG00000100802	201.75	130.50	-0.6285188667
ENSG00000100804	1792.75	1624.50	-0.1421785739
ENSG00000100811	2605.25	2270.00	-0.1987295228
ENSG00000100813	5451.75	3559.25	-0.6151461356
ENSG00000100814	557.00	503.75	-0.1449693939
ENSG00000100815	1610.00	1399.75	-0.2018915083
ENSG00000100823	1980.00	1479.00	-0.4208783779
ENSG00000100836	2177.50	1846.50	-0.2378794563
ENSG00000100842	339.75	205.75	-0.7235811203
ENSG00000100852	1929.50	1868.75	-0.0461534646
ENSG00000100865	494.75	431.50	-0.1973391479

ENSG00000100867	11.50	23.25	1.0155968551
ENSG00000100883	955.50	938.00	-0.0266679505
ENSG00000100888	1873.50	1634.50	-0.1968866006
ENSG00000100889	422.25	339.00	-0.3168121497
ENSG00000100890	429.00	474.50	0.1454304395
ENSG00000100897	1067.75	1088.00	0.0271046586
ENSG00000100902	1058.25	1047.25	-0.0150746045
ENSG00000100906	436.00	699.00	0.6809643206
ENSG00000100908	96.50	94.75	-0.0264029991
ENSG00000100911	804.50	557.25	-0.5297677095
ENSG00000100916	192.00	240.25	0.3234301201
ENSG00000100918	40.75	34.50	-0.2402036975
ENSG00000100926	1312.50	1319.25	0.0074005608
ENSG00000100934	4173.00	3844.50	-0.1182889413
ENSG00000100938	1126.75	1104.75	-0.0284475190
ENSG00000100941	1871.25	1707.00	-0.1325392579
ENSG00000100949	327.00	277.25	-0.2381031753
ENSG00000100968	4627.25	3202.50	-0.5309564760
ENSG00000100979	7960.50	5905.00	-0.4309219898
ENSG00000100982	570.75	523.25	-0.1253585480
ENSG00000100983	724.50	536.00	-0.4347526891
ENSG00000100987	3.00	2.00	-0.5849625007
ENSG00000100991	2455.50	2254.25	-0.1233693009
ENSG00000100994	2588.50	3601.00	0.4762812813
ENSG00000100997	1200.25	1339.25	0.1580903601
ENSG00000101000	307.50	219.50	-0.4863654707
ENSG00000101003	40.25	35.50	-0.1811697586
ENSG00000101004	560.50	356.50	-0.6528122964
ENSG00000101017	77.50	116.75	0.5911543344
ENSG00000101019	804.25	666.25	-0.2715804030
ENSG00000101040	637.50	493.25	-0.3701062910
ENSG00000101049	20.25	6.00	-1.7548875022
ENSG00000101052	861.50	731.25	-0.2364860769
ENSG00000101057	7.75	5.75	-0.4306343543
ENSG00000101074	0.75	0.50	-0.5849625007
ENSG00000101076	4.00	3.75	-0.0931094044
ENSG00000101079	1086.75	674.25	-0.6886645740
ENSG00000101082	2.75	4.50	0.7104933828
ENSG00000101084	562.25	717.25	0.3512643070
ENSG00000101096	5.50	2.25	-1.2895066172
ENSG00000101098	23.50	16.00	-0.5545888517
ENSG00000101104	404.25	326.25	-0.3092698720
ENSG00000101109	926.50	784.25	-0.2404773522

ENSG00000101115	26.00	10.50	-1.3081222954
ENSG00000101126	1977.25	1439.75	-0.4576769724
ENSG00000101132	425.75	367.00	-0.2142264668
ENSG00000101134	443.50	217.00	-1.0312390619
ENSG00000101138	665.75	597.50	-0.1560418103
ENSG00000101144	0.50	0.75	0.5849625007
ENSG00000101146	498.25	443.00	-0.1695631063
ENSG00000101150	3632.75	4145.50	0.1904840344
ENSG00000101152	1942.25	2033.75	0.0664134343
ENSG00000101158	906.75	819.25	-0.1464010724
ENSG00000101160	2285.00	2363.50	0.0487306994
ENSG00000101161	2027.75	1980.75	-0.0338329921
ENSG00000101162	7.00	8.75	0.3219280949
ENSG00000101166	706.00	639.50	-0.1427238244
ENSG00000101181	432.00	400.00	-0.1110313124
ENSG00000101182	1553.00	1769.25	0.1880800896
ENSG00000101187	15.50	6.00	-1.3692338097
ENSG00000101189	378.00	409.50	0.1154772174
ENSG00000101190	474.25	482.50	0.0248811687
ENSG00000101191	1677.00	1481.25	-0.1790675349
ENSG00000101193	788.00	745.25	-0.0804711595
ENSG00000101194	77.50	63.75	-0.2817709684
ENSG00000101197	0.75	0.25	-1.5849625007
ENSG00000101198	0.25	0.25	0.0000000000
ENSG00000101199	1703.50	1547.75	-0.1383294882
ENSG00000101203	0.75	1.25	0.7369655942
ENSG00000101210	24.25	17.75	-0.4501657227
ENSG00000101213	8.75	7.25	-0.2713020218
ENSG00000101216	355.50	321.00	-0.1472762625
ENSG00000101220	515.75	521.50	0.0159953366
ENSG00000101222	5.50	5.25	-0.0671141959
ENSG00000101224	3374.25	1874.50	-0.8480610420
ENSG00000101230	37.75	57.75	0.6133443021
ENSG00000101236	2335.75	3102.25	0.4094290851
ENSG00000101246	482.50	343.75	-0.4891692289
ENSG00000101247	138.75	128.75	-0.1079153392
ENSG00000101251	1.25	1.25	0.0000000000
ENSG00000101255	406.50	181.50	-1.1632858041
ENSG00000101265	2355.50	973.75	-1.2744100037
ENSG00000101266	2086.75	1751.00	-0.2530786871
ENSG00000101276	2.50	4.50	0.8479969066
ENSG00000101278	3.25	0.50	-2.7004397181
ENSG00000101280	5.25	6.00	0.1926450779

ENSG00000101282	1.50	0.50	-1.5849625007
ENSG00000101290	1786.50	2523.25	0.4981472396
ENSG00000101294	2735.25	2625.50	-0.0590805047
ENSG00000101298	328.75	254.50	-0.3693252381
ENSG00000101307	28.25	14.75	-0.9375359131
ENSG00000101310	549.50	484.75	-0.1808785828
ENSG00000101311	64.50	49.50	-0.3818706353
ENSG00000101333	524.50	808.75	0.6247510343
ENSG00000101335	14931.25	19595.50	0.3921874366
ENSG00000101336	0.75	0.25	-1.5849625007
ENSG00000101337	2156.25	1919.00	-0.1681697452
ENSG00000101342	6.25	91.50	3.8718436485
ENSG00000101343	692.75	758.25	0.1303387871
ENSG00000101346	2443.00	2139.50	-0.1913801846
ENSG00000101347	1951.25	24068.25	3.6246607101
ENSG00000101350	2367.50	2400.25	0.0198202530
ENSG00000101353	75.25	51.00	-0.5611943348
ENSG00000101361	1090.00	1184.50	0.1199500636
ENSG00000101363	1020.50	1096.75	0.1039585240
ENSG00000101365	805.75	779.75	-0.0473206357
ENSG00000101367	1735.50	1941.75	0.1620061008
ENSG00000101384	1595.25	975.00	-0.7103084100
ENSG00000101391	251.75	254.50	0.0156738781
ENSG00000101400	409.75	450.50	0.1367831567
ENSG00000101407	409.75	343.25	-0.2554842290
ENSG00000101412	37.50	39.50	0.0749620577
ENSG00000101413	638.25	593.25	-0.1054814372
ENSG00000101417	374.25	227.75	-0.7165512623
ENSG00000101421	2318.25	2269.25	-0.0308205975
ENSG00000101425	15.25	10.75	-0.5044725829
ENSG00000101439	3784.50	4402.50	0.2182202970
ENSG00000101440	1.75	0.25	-2.8073549221
ENSG00000101442	92.25	84.00	-0.1351595833
ENSG00000101444	1385.25	1342.00	-0.0457616955
ENSG00000101445	0.50	0.25	-1.0000000000
ENSG00000101447	108.50	285.75	1.3970584558
ENSG00000101448	14.00	9.25	-0.5979015564
ENSG00000101452	325.25	368.25	0.1791364683
ENSG00000101457	399.00	292.75	-0.4467195757
ENSG00000101460	404.50	563.25	0.4776357058
ENSG00000101463	0.25	0.25	0.0000000000
ENSG00000101464	272.00	226.00	-0.2672838788
ENSG00000101470	29.50	14.25	-1.0497530352

ENSG00000101473	448.75	371.75	-0.2715791967
ENSG00000101474	2491.00	2746.00	0.1406066039
ENSG00000101489	7.50	3.50	-1.0995356736
ENSG00000101493	1063.50	958.00	-0.1507224722
ENSG00000101542	3.25	1.50	-1.1154772174
ENSG00000101544	546.00	478.75	-0.1896284641
ENSG00000101546	259.50	227.50	-0.1898679933
ENSG00000101557	1351.50	1370.75	0.0204039618
ENSG00000101558	2381.50	2813.75	0.2406236030
ENSG00000101574	170.75	207.00	0.2777451892
ENSG00000101577	1501.50	1281.00	-0.2291339992
ENSG00000101596	1997.25	1709.50	-0.2244405065
ENSG00000101605	98.25	140.25	0.5134714584
ENSG00000101608	4081.25	6984.75	0.7751973926
ENSG00000101624	119.25	90.25	-0.4019904291
ENSG00000101638	10.25	17.25	0.7509724522
ENSG00000101639	727.00	665.75	-0.1269748407
ENSG00000101654	1263.00	1105.00	-0.1928082695
ENSG00000101665	244.25	278.00	0.1867263208
ENSG00000101670	25.25	17.25	-0.5496870260
ENSG00000101680	171.25	157.25	-0.1230439710
ENSG00000101695	21.50	26.25	0.2879807630
ENSG00000101745	1487.75	1526.75	0.0373317274
ENSG00000101746	0.50	0.50	0.0000000000
ENSG00000101751	632.25	616.00	-0.0375647810
ENSG00000101752	1687.50	1661.75	-0.0221841483
ENSG00000101773	470.50	485.50	0.0452765727
ENSG00000101782	1275.75	1596.75	0.3237928088
ENSG00000101811	206.50	199.25	-0.0515620574
ENSG00000101812	12.25	6.25	-0.9708536543
ENSG00000101825	7398.00	2508.00	-1.5605979523
ENSG00000101842	7.50	4.00	-0.9068905956
ENSG00000101843	759.75	516.00	-0.5581537041
ENSG00000101844	233.50	176.25	-0.4057992924
ENSG00000101846	2192.25	2627.25	0.2611411590
ENSG00000101849	775.50	689.75	-0.1690532297
ENSG00000101856	4108.25	3324.75	-0.3052781137
ENSG00000101868	255.25	220.00	-0.2144074374
ENSG00000101871	3452.50	2395.00	-0.5276157585
ENSG00000101882	429.25	379.75	-0.1767681695
ENSG00000101883	0.50	0.25	-1.0000000000
ENSG00000101888	250.00	209.50	-0.2549778510
ENSG00000101892	4.75	3.00	-0.6629650127

ENSG00000101898	15.25	9.75	-0.6453351187
ENSG00000101901	430.75	503.25	0.2244244707
ENSG00000101911	493.00	550.00	0.1578439720
ENSG00000101928	915.00	1130.50	0.3051173436
ENSG00000101935	297.50	271.00	-0.1345968168
ENSG00000101938	134.75	237.00	0.8146017861
ENSG00000101940	1182.75	1241.50	0.0699391007
ENSG00000101945	64.50	56.75	-0.1846787681
ENSG00000101955	3177.25	5684.25	0.8391913953
ENSG00000101958	7.00	3.75	-0.9004643264
ENSG00000101966	987.75	912.50	-0.1143213823
ENSG00000101972	2203.00	2146.75	-0.0373153033
ENSG00000101974	1222.25	1612.00	0.3993123385
ENSG00000101977	2.75	11.50	2.0641303374
ENSG00000101986	481.75	466.75	-0.0456346441
ENSG00000101997	251.00	230.50	-0.1229206135
ENSG00000102001	2.25	3.00	0.4150374993
ENSG00000102003	27.00	26.25	-0.0406419845
ENSG00000102007	899.50	1143.25	0.3459457326
ENSG00000102021	0.50	0.25	-1.0000000000
ENSG00000102024	7168.00	7547.50	0.0744282143
ENSG00000102030	668.50	652.00	-0.0360555959
ENSG00000102032	21.25	25.25	0.2488205466
ENSG00000102034	593.00	477.50	-0.3125313716
ENSG00000102038	3230.50	2806.75	-0.2028569077
ENSG00000102043	9.75	5.50	-0.8259706002
ENSG00000102048	6.25	5.25	-0.2515387670
ENSG00000102053	104.00	78.50	-0.4058189692
ENSG00000102054	1980.50	1965.00	-0.0113353888
ENSG00000102057	189.25	159.50	-0.2467368762
ENSG00000102078	127.50	125.50	-0.0228098829
ENSG00000102081	788.00	651.75	-0.2738769519
ENSG00000102096	51.75	54.00	0.0614005447
ENSG00000102098	62.75	40.25	-0.6406266758
ENSG00000102100	335.75	397.50	0.2435674607
ENSG00000102103	504.50	413.50	-0.2869669399
ENSG00000102109	7.75	6.25	-0.3103401206
ENSG00000102119	887.50	958.75	0.1114075531
ENSG00000102125	319.00	362.50	0.1844245711
ENSG00000102128	2.75	5.50	1.0000000000
ENSG00000102144	7188.75	9768.75	0.4424330355
ENSG00000102158	2602.00	2203.25	-0.2399877569
ENSG00000102172	1330.25	1141.00	-0.2213986119

ENSG00000102174	282.75	175.75	-0.6860023349
ENSG00000102178	588.75	607.75	0.0458228335
ENSG00000102181	3419.75	3115.50	-0.1344271442
ENSG00000102189	3310.50	2560.00	-0.3709053201
ENSG00000102218	376.25	488.00	0.3751895659
ENSG00000102221	312.75	167.25	-0.9030036735
ENSG00000102225	1711.75	1609.75	-0.0886353625
ENSG00000102226	1687.75	1322.25	-0.3521062436
ENSG00000102230	4.00	4.00	0.0000000000
ENSG00000102241	1579.50	1226.25	-0.3652148006
ENSG00000102245	1.00	1.00	0.0000000000
ENSG00000102265	18873.50	14156.50	-0.4148973656
ENSG00000102271	2.50	1.50	-0.7369655942
ENSG00000102287	222.75	156.50	-0.5092627746
ENSG00000102290	3.25	2.75	-0.2410080995
ENSG00000102302	625.25	461.00	-0.4396664018
ENSG00000102309	266.50	221.00	-0.2700891634
ENSG00000102312	205.00	199.00	-0.0428554790
ENSG00000102316	3787.25	2695.50	-0.4905977485
ENSG00000102317	3272.25	3842.25	0.2316684181
ENSG00000102349	105.50	102.00	-0.0486738467
ENSG00000102359	985.50	963.25	-0.0329455904
ENSG00000102362	331.00	403.75	0.2866310428
ENSG00000102383	27.00	14.00	-0.9475325801
ENSG00000102384	55.75	45.75	-0.2852000616
ENSG00000102385	158.75	73.75	-1.1060416374
ENSG00000102387	13.75	10.00	-0.4594316186
ENSG00000102390	412.50	311.25	-0.4063202822
ENSG00000102393	309.50	271.75	-0.1876593742
ENSG00000102401	3485.75	2531.00	-0.4617615948
ENSG00000102409	345.50	273.00	-0.3397847595
ENSG00000102445	413.25	213.00	-0.9561613891
ENSG00000102452	98.50	135.25	0.4574329644
ENSG00000102466	269.75	366.25	0.4412057998
ENSG00000102468	22.75	7.50	-1.6009040446
ENSG00000102471	639.25	577.50	-0.1465593089
ENSG00000102524	90.00	38.50	-1.2250665556
ENSG00000102531	2619.25	2187.25	-0.2600356393
ENSG00000102539	0.50	1.00	1.0000000000
ENSG00000102543	194.50	198.00	0.0257302751
ENSG00000102547	535.00	683.50	0.3534024463
ENSG00000102554	48.00	271.25	2.4985168266
ENSG00000102572	1367.00	1449.00	0.0840443520

ENSG00000102575	63.25	20.50	-1.6254415701
ENSG00000102580	1960.25	2419.75	0.3038203412
ENSG00000102595	940.25	915.50	-0.0384845152
ENSG00000102606	1470.25	1464.25	-0.0058995961
ENSG00000102678	202.00	122.25	-0.7245208278
ENSG00000102683	17.75	17.00	-0.0622842783
ENSG00000102699	2994.00	2936.25	-0.0280994132
ENSG00000102710	908.25	728.50	-0.3181604884
ENSG00000102738	208.50	175.75	-0.2465226944
ENSG00000102743	91.00	68.75	-0.4045068318
ENSG00000102753	1302.50	1470.50	0.1750234117
ENSG00000102755	38.75	67.00	0.7899647852
ENSG00000102760	247.25	1951.25	2.9803562061
ENSG00000102763	705.00	593.25	-0.2489830621
ENSG00000102780	392.25	568.00	0.5341174825
ENSG00000102781	596.00	675.50	0.1806434389
ENSG00000102786	726.25	667.75	-0.1211581877
ENSG00000102796	114.25	98.00	-0.2213405109
ENSG00000102802	1339.50	1851.75	0.4671947560
ENSG00000102804	3605.75	7362.75	1.0299453432
ENSG00000102805	1163.75	1005.50	-0.2108680861
ENSG00000102854	1.75	1.00	-0.8073549221
ENSG00000102858	1315.75	1202.25	-0.1301484686
ENSG00000102870	970.25	952.50	-0.0266374354
ENSG00000102871	320.50	305.75	-0.0679718581
ENSG00000102878	217.00	132.50	-0.7117026830
ENSG00000102879	16.25	5.50	-1.5629361944
ENSG00000102882	2870.00	2134.00	-0.4274905607
ENSG00000102886	73.50	78.00	0.0857298740
ENSG00000102890	19.25	13.00	-0.5663468226
ENSG00000102893	1616.75	1403.50	-0.2040675465
ENSG00000102897	378.25	384.25	0.0227051775
ENSG00000102898	1376.00	1270.50	-0.1150840946
ENSG00000102900	564.75	679.00	0.2657992089
ENSG00000102901	714.75	699.00	-0.0321462593
ENSG00000102904	53.50	43.75	-0.2902558746
ENSG00000102908	2607.50	2191.75	-0.2505840048
ENSG00000102910	2427.75	2085.50	-0.2192265540
ENSG00000102921	972.00	809.75	-0.2634797508
ENSG00000102931	1545.75	1408.00	-0.1346596716
ENSG00000102934	101.25	128.75	0.3466505243
ENSG00000102935	58.00	22.25	-1.3822475642
ENSG00000102962	7.25	6.25	-0.2141248054

ENSG00000102967	107.50	88.00	-0.2887612310
ENSG00000102974	820.25	632.25	-0.3755685569
ENSG00000102977	236.50	221.50	-0.0945334848
ENSG00000102978	940.00	983.00	0.0645306598
ENSG00000102981	30.50	25.00	-0.2868811478
ENSG00000102984	140.50	53.50	-1.3929593338
ENSG00000102996	104.00	219.25	1.0759933143
ENSG00000103005	604.75	708.75	0.2289379658
ENSG00000103018	1156.00	870.50	-0.4092251948
ENSG00000103021	189.00	130.50	-0.5343364277
ENSG00000103024	255.75	257.00	0.0070341194
ENSG00000103034	225.75	151.25	-0.5777908453
ENSG00000103035	1222.25	1330.00	0.1218868404
ENSG00000103037	186.75	164.50	-0.1830206591
ENSG00000103042	764.00	668.75	-0.1921056519
ENSG00000103043	1049.75	903.25	-0.2168485334
ENSG00000103044	16.00	16.75	0.0660891905
ENSG00000103047	237.25	221.25	-0.1007306321
ENSG00000103051	1595.00	1438.50	-0.1489912029
ENSG00000103056	48.25	47.50	-0.0226014289
ENSG00000103061	595.50	610.75	0.0364804504
ENSG00000103064	1035.75	2370.75	1.1946677156
ENSG00000103066	918.75	1005.25	0.1298100862
ENSG00000103067	3.50	3.00	-0.2223924213
ENSG00000103091	702.75	669.75	-0.0693888725
ENSG00000103111	998.25	1249.25	0.3235891461
ENSG00000103121	187.00	179.75	-0.0570464994
ENSG00000103126	505.75	545.00	0.1078318151
ENSG00000103145	1107.00	774.50	-0.5153180780
ENSG00000103148	778.25	667.50	-0.2214658349
ENSG00000103150	254.00	374.50	0.5601372217
ENSG00000103152	1022.75	1062.00	0.0543302289
ENSG00000103154	1.50	2.25	0.5849625007
ENSG00000103160	485.00	390.50	-0.3126621989
ENSG00000103168	622.00	639.50	0.0400297788
ENSG00000103174	462.50	379.25	-0.2863041852
ENSG00000103175	143.75	399.00	1.4728267904
ENSG00000103184	109.50	116.75	0.0924916801
ENSG00000103187	2118.75	2583.25	0.2859739021
ENSG00000103194	901.75	960.75	0.0914335533
ENSG00000103196	930.50	4864.75	2.3862876113
ENSG00000103197	2395.00	1994.75	-0.2638177097
ENSG00000103199	331.25	300.00	-0.1429579538

ENSG00000103202	1799.50	1502.00	-0.2607112894
ENSG00000103222	2984.50	2072.00	-0.5264652508
ENSG00000103226	44.00	39.00	-0.1740293998
ENSG00000103227	301.50	323.25	0.1004923679
ENSG00000103241	1718.50	1775.75	0.0472786336
ENSG00000103245	320.25	313.00	-0.0330359134
ENSG00000103248	371.75	245.00	-0.6015509930
ENSG00000103249	2114.50	1855.25	-0.1887029533
ENSG00000103253	77.00	100.25	0.3806718858
ENSG00000103254	103.00	114.50	0.1527032609
ENSG00000103257	667.25	294.25	-1.1811849851
ENSG00000103260	302.50	351.00	0.2145358881
ENSG00000103264	1305.25	1165.00	-0.1639962038
ENSG00000103266	1302.75	1312.50	0.0107571680
ENSG00000103269	40.00	37.00	-0.1124747293
ENSG00000103274	237.75	176.75	-0.4277351261
ENSG00000103275	2435.75	2257.50	-0.1096400781
ENSG00000103310	0.25	0.50	1.0000000000
ENSG00000103313	10.25	8.50	-0.2700891634
ENSG00000103316	20.25	7.75	-1.3856536925
ENSG00000103319	1213.50	1308.50	0.1087398159
ENSG00000103326	559.00	623.75	0.1581196274
ENSG00000103335	3869.25	3693.75	-0.0669677219
ENSG00000103342	2509.25	2500.25	-0.0051838584
ENSG00000103343	199.50	167.00	-0.2565406437
ENSG00000103351	797.25	606.00	-0.3957143988
ENSG00000103353	2438.75	1871.00	-0.3823323143
ENSG00000103356	396.75	330.00	-0.2657641986
ENSG00000103363	1803.75	1730.50	-0.0598104532
ENSG00000103365	1584.75	942.75	-0.7493081175
ENSG00000103375	0.25	0.50	1.0000000000
ENSG00000103381	575.50	1038.50	0.8516133827
ENSG00000103404	249.50	357.75	0.5199119514
ENSG00000103415	247.25	254.50	0.0416951353
ENSG00000103423	382.75	323.75	-0.2415221849
ENSG00000103426	2.25	5.25	1.2223924213
ENSG00000103429	651.25	618.00	-0.0756046293
ENSG00000103449	33.75	68.50	1.0212164859
ENSG00000103472	38.00	30.25	-0.3290642762
ENSG00000103479	2474.75	2750.00	0.1521488276
ENSG00000103485	1285.25	535.50	-1.2630905320
ENSG00000103489	1056.25	958.00	-0.1408537803
ENSG00000103490	196.75	207.50	0.0767477007

ENSG00000103494	314.50	268.50	-0.2281379289
ENSG00000103495	1472.75	1149.75	-0.3571923553
ENSG00000103496	710.00	610.75	-0.2172370661
ENSG00000103502	2571.25	4199.75	0.7078335619
ENSG00000103507	950.25	894.00	-0.0880322887
ENSG00000103510	481.50	442.50	-0.1218583429
ENSG00000103512	353.75	251.50	-0.4921717479
ENSG00000103522	14.00	8.25	-0.7629608027
ENSG00000103528	12.50	6.75	-0.8889686876
ENSG00000103534	5.00	4.50	-0.1520030934
ENSG00000103540	417.25	334.00	-0.3210639469
ENSG00000103544	1708.75	1593.50	-0.1007423187
ENSG00000103549	1892.25	1725.50	-0.1330882333
ENSG00000103550	319.50	294.00	-0.1199997761
ENSG00000103591	828.00	676.00	-0.2926075212
ENSG00000103599	49.75	40.75	-0.2878964663
ENSG00000103642	513.75	593.00	0.2069656160
ENSG00000103647	821.75	304.75	-1.4310733305
ENSG00000103653	571.75	504.75	-0.1798154551
ENSG00000103657	2089.50	2099.50	0.0068880295
ENSG00000103671	365.75	351.75	-0.0563074409
ENSG00000103707	228.50	229.25	0.0047275685
ENSG00000103710	1526.75	672.25	-1.1833940900
ENSG00000103723	57.00	54.00	-0.0780025120
ENSG00000103740	30.25	25.00	-0.2750070475
ENSG00000103742	629.25	143.75	-2.1300713553
ENSG00000103769	2089.25	1955.00	-0.0958165283
ENSG00000103811	907.50	905.00	-0.0039798509
ENSG00000103852	527.00	425.25	-0.3094917260
ENSG00000103855	2998.25	2170.00	-0.4664256404
ENSG00000103876	484.75	312.00	-0.6356948692
ENSG00000103888	88985.50	164711.00	0.8882947305
ENSG00000103932	503.00	562.50	0.1612946963
ENSG00000103942	75.00	67.75	-0.1466696491
ENSG00000103966	653.25	691.75	0.0826155193
ENSG00000103978	891.25	1126.50	0.3379452369
ENSG00000103994	10177.75	12479.00	0.2940836696
ENSG00000103995	180.00	102.75	-0.8088585126
ENSG00000104043	965.75	665.75	-0.5366692490
ENSG00000104047	2066.75	1389.50	-0.5727980523
ENSG00000104055	4.75	2.00	-1.2479275134
ENSG00000104059	0.50	2.25	2.1699250014
ENSG00000104064	643.50	586.25	-0.1344241308

ENSG00000104067	1243.25	1499.75	0.2706056004
ENSG00000104081	293.50	173.50	-0.7584248405
ENSG00000104093	909.50	579.00	-0.6515102897
ENSG00000104112	8.00	5.25	-0.6076825772
ENSG00000104129	159.25	141.75	-0.1679446373
ENSG00000104131	581.75	629.50	0.1138070723
ENSG00000104133	1945.75	1772.00	-0.1349477532
ENSG00000104140	0.50	1.75	1.8073549221
ENSG00000104142	814.75	1012.25	0.3131362909
ENSG00000104147	13.00	11.50	-0.1768777621
ENSG00000104154	449.25	459.75	0.0333310709
ENSG00000104164	2225.25	1915.00	-0.2166230354
ENSG00000104177	284.75	216.00	-0.3986645295
ENSG00000104205	266.25	308.00	0.2101488256
ENSG00000104213	328.75	316.50	-0.0547853948
ENSG00000104218	479.25	384.75	-0.3168571053
ENSG00000104219	1435.75	1549.50	0.1099981932
ENSG00000104221	341.50	301.00	-0.1821220915
ENSG00000104228	399.50	419.75	0.0713348220
ENSG00000104231	327.50	251.25	-0.3823713104
ENSG00000104237	0.25	0.50	1.0000000000
ENSG00000104290	12.75	17.25	0.4360991148
ENSG00000104299	262.00	253.00	-0.0504294268
ENSG00000104312	326.00	252.50	-0.3685885766
ENSG00000104313	145.25	67.50	-1.1055787564
ENSG00000104320	901.50	666.75	-0.4351815719
ENSG00000104321	1092.75	719.00	-0.6038997023
ENSG00000104324	1644.00	1392.00	-0.2400510878
ENSG00000104325	982.50	825.00	-0.2520632880
ENSG00000104327	17.25	19.50	0.1768777621
ENSG00000104331	2495.75	2836.00	0.1843841063
ENSG00000104332	11854.25	16407.00	0.4689070793
ENSG00000104341	1371.75	1177.75	-0.2199842438
ENSG00000104343	444.00	501.25	0.1749706550
ENSG00000104356	208.25	207.75	-0.0034680186
ENSG00000104361	1570.75	1106.50	-0.5054501289
ENSG00000104365	1064.00	1031.00	-0.0454538181
ENSG00000104368	896.50	783.75	-0.1939100452
ENSG00000104375	841.50	579.50	-0.5381546103
ENSG00000104381	152.00	107.00	-0.5064605270
ENSG00000104388	2767.75	3046.50	0.1384391045
ENSG00000104408	5978.00	5041.00	-0.2459529427
ENSG00000104412	607.50	549.50	-0.1447649275

ENSG00000104415	623.50	354.25	-0.8156217069
ENSG00000104419	3433.75	3888.25	0.1793359765
ENSG00000104427	398.00	368.75	-0.1101253814
ENSG00000104432	17.00	14.50	-0.2294818461
ENSG00000104435	1.75	3.00	0.7776075787
ENSG00000104442	640.75	558.75	-0.1975586472
ENSG00000104447	548.00	370.25	-0.5656761577
ENSG00000104450	46.50	45.50	-0.0313641709
ENSG00000104472	578.50	624.00	0.1092290698
ENSG00000104490	50.25	24.50	-1.0363418471
ENSG00000104497	230.25	209.25	-0.1379735335
ENSG00000104517	4251.75	4102.50	-0.0515534361
ENSG00000104518	320.50	321.50	0.0044943807
ENSG00000104522	259.00	222.50	-0.2191467618
ENSG00000104524	61.00	73.50	0.2689350073
ENSG00000104529	3242.50	2956.50	-0.1332162974
ENSG00000104537	7.50	10.00	0.4150374993
ENSG00000104549	390.75	385.25	-0.0204509165
ENSG00000104611	1117.75	693.25	-0.6891499295
ENSG00000104613	879.00	839.25	-0.0667625334
ENSG00000104626	474.00	424.50	-0.1591225053
ENSG00000104635	1320.00	1350.75	0.0332227524
ENSG00000104643	454.00	432.25	-0.0708263336
ENSG00000104660	659.50	566.75	-0.2186601735
ENSG00000104671	434.25	455.75	0.0697168073
ENSG00000104679	328.00	269.75	-0.2820728551
ENSG00000104687	866.25	1329.50	0.6180284248
ENSG00000104689	55.75	74.25	0.4134192209
ENSG00000104691	188.25	171.00	-0.1386535398
ENSG00000104695	1668.50	2213.75	0.4079406205
ENSG00000104714	305.75	345.00	0.1742438631
ENSG00000104722	55.00	72.75	0.4035156294
ENSG00000104723	1562.00	1215.25	-0.3621413194
ENSG00000104728	994.00	919.00	-0.1131809903
ENSG00000104731	289.75	259.75	-0.1576849121
ENSG00000104738	680.00	403.50	-0.7529660729
ENSG00000104756	1420.00	2179.00	0.6177752667
ENSG00000104763	3283.50	3147.25	-0.0611426724
ENSG00000104765	8472.75	9720.25	0.1981631187
ENSG00000104774	3275.75	3133.50	-0.0640502639
ENSG00000104783	5.00	3.50	-0.5145731728
ENSG00000104804	15.50	12.00	-0.3692338097
ENSG00000104805	7514.50	7359.75	-0.0300203524

ENSG00000104808	1.75	2.50	0.5145731728
ENSG00000104812	1463.50	2277.00	0.6377115457
ENSG00000104814	7.50	3.25	-1.2064508775
ENSG00000104823	677.25	768.75	0.1828260169
ENSG00000104824	1698.25	1423.25	-0.2548597545
ENSG00000104825	198.25	239.00	0.2696897523
ENSG00000104826	0.50	0.25	-1.0000000000
ENSG00000104833	1.25	1.00	-0.3219280949
ENSG00000104835	91.50	69.25	-0.4019576722
ENSG00000104848	9.75	6.50	-0.5849625007
ENSG00000104852	4138.50	4330.00	0.0652590675
ENSG00000104853	2080.00	2111.00	0.0213430503
ENSG00000104856	152.00	128.25	-0.2451124978
ENSG00000104859	439.25	400.50	-0.1332400436
ENSG00000104863	45.25	27.25	-0.7316615623
ENSG00000104866	664.25	524.00	-0.3421595110
ENSG00000104870	2932.00	2839.25	-0.0463752175
ENSG00000104872	596.25	609.50	0.0317088597
ENSG00000104879	1.75	1.50	-0.2223924213
ENSG00000104880	838.75	880.25	0.0696724608
ENSG00000104881	146.50	204.50	0.4812001785
ENSG00000104883	40.50	36.25	-0.1599409129
ENSG00000104884	454.00	445.50	-0.0272668658
ENSG00000104885	369.25	407.75	0.1430869559
ENSG00000104886	462.00	587.00	0.3454676517
ENSG00000104888	23.75	21.25	-0.1604646722
ENSG00000104889	89.50	69.75	-0.3596944654
ENSG00000104892	8.75	7.50	-0.2223924213
ENSG00000104894	37.75	17.25	-1.1298802825
ENSG00000104897	619.75	547.25	-0.1794863169
ENSG00000104899	11.25	17.50	0.6374299206
ENSG00000104901	5.50	2.50	-1.1375035237
ENSG00000104903	5.00	7.75	0.6322682155
ENSG00000104904	10383.25	10652.75	0.0369678254
ENSG00000104907	413.75	433.25	0.0664404375
ENSG00000104915	643.75	516.00	-0.3191294615
ENSG00000104936	1513.25	2513.00	0.7317603202
ENSG00000104938	1.00	2.00	1.0000000000
ENSG00000104946	1272.75	1235.50	-0.0428540549
ENSG00000104951	12.25	5.00	-1.2927817492
ENSG00000104953	10.50	13.25	0.3356030318
ENSG00000104957	390.50	426.50	0.1272231932
ENSG00000104960	1917.25	1791.00	-0.0982731323

ENSG00000104964	5147.75	6369.50	0.3072381358
ENSG00000104967	5.50	14.50	1.3985493765
ENSG00000104969	1060.50	1034.50	-0.0358109757
ENSG00000104970	2.00	5.50	1.4594316186
ENSG00000104973	709.50	663.25	-0.0972499138
ENSG00000104976	286.00	355.25	0.3128195025
ENSG00000104979	1048.00	966.25	-0.1171703027
ENSG00000104980	427.00	434.25	0.0242897791
ENSG00000104983	113.75	107.00	-0.0882557487
ENSG00000104998	54.25	40.00	-0.4396231376
ENSG00000105011	13.50	14.00	0.0524674199
ENSG00000105048	21.75	15.00	-0.5360529002
ENSG00000105053	501.75	473.00	-0.0851285280
ENSG00000105058	1607.00	1714.00	0.0929971804
ENSG00000105063	1680.25	1684.50	0.0036445247
ENSG00000105072	261.75	234.75	-0.1570643793
ENSG00000105085	179.25	161.00	-0.1549124306
ENSG00000105088	83.50	37.50	-1.1548856020
ENSG00000105122	1.50	1.75	0.2223924213
ENSG00000105127	589.75	649.00	0.1381149648
ENSG00000105131	1.25	1.00	-0.3219280949
ENSG00000105135	820.50	708.50	-0.2117354806
ENSG00000105136	269.50	206.75	-0.3823979436
ENSG00000105137	1265.25	1657.75	0.3898039806
ENSG00000105141	5.25	4.75	-0.1443899093
ENSG00000105143	21.50	20.75	-0.0512253234
ENSG00000105146	40.75	32.75	-0.3153051527
ENSG00000105171	483.50	437.25	-0.1450575056
ENSG00000105173	72.00	40.25	-0.8390081233
ENSG00000105176	1494.25	1256.75	-0.2497238537
ENSG00000105185	681.50	757.25	0.1520560160
ENSG00000105186	493.25	625.00	0.3415371388
ENSG00000105193	8797.50	7969.00	-0.1426949118
ENSG00000105197	675.25	681.50	0.0132919223
ENSG00000105202	484.50	483.50	-0.0029807759
ENSG00000105204	263.50	177.00	-0.5740536016
ENSG00000105219	5.50	3.25	-0.7589919005
ENSG00000105220	3843.00	3528.50	-0.1231779664
ENSG00000105221	3237.00	2590.50	-0.3214267820
ENSG00000105223	6716.00	5619.75	-0.2570962781
ENSG00000105227	254.75	176.50	-0.5294139629
ENSG00000105229	262.50	272.25	0.0526146262
ENSG00000105245	2915.50	2281.50	-0.3537606690

ENSG00000105246	1.25	1.25	0.0000000000
ENSG00000105248	187.00	182.25	-0.0371194556
ENSG00000105254	885.00	961.75	0.1199844693
ENSG00000105255	65.75	54.50	-0.2707346645
ENSG00000105258	240.50	217.25	-0.1466807170
ENSG00000105270	2960.00	2810.00	-0.0750270454
ENSG00000105278	6.00	3.00	-1.0000000000
ENSG00000105281	5187.50	6314.00	0.2835148293
ENSG00000105287	503.25	428.00	-0.2336644705
ENSG00000105289	5.75	3.25	-0.8231222379
ENSG00000105290	115.75	73.00	-0.6650438244
ENSG00000105298	542.25	547.25	0.0132419015
ENSG00000105321	379.00	370.00	-0.0346725777
ENSG00000105323	5734.75	5056.25	-0.1816627974
ENSG00000105325	867.25	735.00	-0.2387036856
ENSG00000105327	406.50	219.25	-0.8906785096
ENSG00000105329	2220.50	1679.50	-0.4028527757
ENSG00000105339	505.25	619.75	0.2946889497
ENSG00000105341	600.00	605.50	0.0131644592
ENSG00000105355	2907.00	2811.00	-0.0484476178
ENSG00000105357	3.50	2.50	-0.4854268272
ENSG00000105364	540.00	619.25	0.1975625562
ENSG00000105366	6.75	5.75	-0.2313255461
ENSG00000105369	5.75	4.50	-0.3536369546
ENSG00000105371	35.25	38.00	0.1083761610
ENSG00000105372	16445.00	15512.50	-0.0842177978
ENSG00000105373	4027.75	3574.00	-0.1724345045
ENSG00000105376	67.50	96.00	0.5081469037
ENSG00000105379	738.75	641.75	-0.2030748345
ENSG00000105383	1.25	1.00	-0.3219280949
ENSG00000105388	2.25	1.50	-0.5849625007
ENSG00000105392	18.75	12.25	-0.6141088464
ENSG00000105393	1074.75	1028.75	-0.0631086797
ENSG00000105397	1114.50	1096.00	-0.0241488183
ENSG00000105398	5.00	3.25	-0.6214883767
ENSG00000105401	2599.50	2551.00	-0.0271712563
ENSG00000105402	1864.50	2200.00	0.2387147266
ENSG00000105404	1689.75	1988.75	0.2350521163
ENSG00000105409	7.25	2.25	-1.6880559937
ENSG00000105419	786.75	1133.25	0.5264889826
ENSG00000105426	3272.25	4035.25	0.3023750826
ENSG00000105427	1.25	0.75	-0.7369655942
ENSG00000105429	4330.25	4147.50	-0.0622083378

ENSG00000105438	3278.25	3035.00	-0.1112293624
ENSG00000105443	1081.50	944.50	-0.1954109636
ENSG00000105447	403.75	446.50	0.1451979155
ENSG00000105464	13.50	11.50	-0.2313255461
ENSG00000105472	855.75	835.50	-0.0345495589
ENSG00000105479	10.25	3.25	-1.6571122865
ENSG00000105483	496.00	377.00	-0.3957755971
ENSG00000105486	244.25	103.00	-1.2457142248
ENSG00000105497	295.50	241.00	-0.2941249839
ENSG00000105499	222.50	115.25	-0.9490385854
ENSG00000105509	2.75	0.75	-1.8744691179
ENSG00000105514	266.75	329.50	0.3047901942
ENSG00000105516	167.50	48.50	-1.7881044432
ENSG00000105518	451.00	456.00	0.0159063909
ENSG00000105519	210.75	201.25	-0.0665438479
ENSG00000105520	1046.50	932.50	-0.1663966811
ENSG00000105523	1.00	3.25	1.7004397181
ENSG00000105538	58.00	72.50	0.3219280949
ENSG00000105552	401.50	592.50	0.5614151663
ENSG00000105556	349.00	316.50	-0.1410215368
ENSG00000105559	1515.50	958.25	-0.6613198540
ENSG00000105568	6227.75	6372.50	0.0331484366
ENSG00000105576	2660.25	2532.50	-0.0709995620
ENSG00000105583	1211.50	1086.00	-0.1577703016
ENSG00000105605	53.25	51.50	-0.0482090930
ENSG00000105607	173.50	216.50	0.3194313621
ENSG00000105609	2.75	2.25	-0.2895066172
ENSG00000105612	1037.75	994.25	-0.0617783698
ENSG00000105613	9.00	8.50	-0.0824621602
ENSG00000105617	2.50	2.25	-0.1520030934
ENSG00000105618	418.50	382.25	-0.1307111212
ENSG00000105619	42.50	41.25	-0.0430687219
ENSG00000105639	79.25	75.00	-0.0795203396
ENSG00000105640	13016.75	12095.00	-0.1059585145
ENSG00000105641	4.50	5.50	0.2895066172
ENSG00000105642	4.25	3.50	-0.2801079192
ENSG00000105643	256.75	380.50	0.5675321772
ENSG00000105647	2583.25	1785.00	-0.5332631961
ENSG00000105649	45.25	32.75	-0.4664228855
ENSG00000105650	92.25	39.50	-1.2236962579
ENSG00000105655	157.25	96.00	-0.7119537062
ENSG00000105656	364.00	435.25	0.2579058475
ENSG00000105662	805.75	703.50	-0.1957818598

ENSG00000105664	6.25	8.75	0.4854268272
ENSG00000105668	22.00	17.50	-0.3301486017
ENSG00000105669	1627.75	1527.25	-0.0919428981
ENSG00000105671	472.00	459.75	-0.0379372849
ENSG00000105672	12.50	14.00	0.1634987323
ENSG00000105676	392.00	343.75	-0.1894939408
ENSG00000105677	918.50	894.75	-0.0377950827
ENSG00000105679	38.00	52.25	0.4594316186
ENSG00000105696	75.50	82.00	0.1191472653
ENSG00000105697	6.00	4.25	-0.4974996595
ENSG00000105698	1273.75	1223.75	-0.0577732866
ENSG00000105699	23.25	20.75	-0.1641193798
ENSG00000105700	1458.25	1453.75	-0.0044588825
ENSG00000105701	5767.00	5624.75	-0.0360320473
ENSG00000105705	545.25	493.50	-0.1438677802
ENSG00000105707	4.25	6.00	0.4974996595
ENSG00000105708	107.00	83.00	-0.3664275551
ENSG00000105711	175.25	61.50	-1.5107561287
ENSG00000105717	14.50	11.50	-0.3344190391
ENSG00000105722	615.25	603.50	-0.0278189817
ENSG00000105723	944.75	940.50	-0.0065046697
ENSG00000105726	851.50	990.75	0.2185145323
ENSG00000105732	304.00	242.25	-0.3275746580
ENSG00000105737	181.25	117.00	-0.6314724653
ENSG00000105738	336.00	281.50	-0.2553263107
ENSG00000105750	32.25	10.75	-1.5849625007
ENSG00000105755	950.50	619.50	-0.6175823445
ENSG00000105767	52.50	41.00	-0.3566935130
ENSG00000105771	740.25	529.00	-0.4847448631
ENSG00000105778	849.50	866.50	0.0285858020
ENSG00000105784	78.25	39.75	-0.9771358916
ENSG00000105792	234.25	367.25	0.6487134429
ENSG00000105793	399.75	352.00	-0.1835226048
ENSG00000105808	534.75	466.25	-0.1977608520
ENSG00000105810	1929.00	1158.50	-0.7355950992
ENSG00000105819	994.50	959.50	-0.0516885646
ENSG00000105821	452.00	471.25	0.0601698457
ENSG00000105825	492.50	490.50	-0.0058705881
ENSG00000105829	483.00	456.25	-0.0821986302
ENSG00000105835	1862.25	3254.50	0.8053891520
ENSG00000105849	324.75	328.50	0.0165638449
ENSG00000105851	0.50	0.25	-1.0000000000
ENSG00000105854	1298.50	1219.50	-0.0905562559

ENSG00000105855	2360.50	1552.00	-0.6049639254
ENSG00000105856	2462.50	2170.75	-0.1819301407
ENSG00000105865	80.50	63.50	-0.3422321913
ENSG00000105866	153.00	137.50	-0.1541000343
ENSG00000105875	374.50	363.00	-0.0449961705
ENSG00000105877	30.00	29.00	-0.0489096005
ENSG00000105879	476.50	463.75	-0.0391289324
ENSG00000105880	4.25	3.25	-0.3870231231
ENSG00000105887	4715.25	4615.75	-0.0307691775
ENSG00000105889	103.00	146.50	0.5082563272
ENSG00000105894	7303.50	4365.00	-0.7426063475
ENSG00000105926	313.75	226.50	-0.4701044088
ENSG00000105928	879.75	860.00	-0.0327569492
ENSG00000105929	0.25	0.25	0.0000000000
ENSG00000105939	1547.00	1546.75	-0.0002331628
ENSG00000105948	190.50	210.50	0.1440292356
ENSG00000105953	1229.50	1068.75	-0.2021473149
ENSG00000105954	0.75	0.25	-1.5849625007
ENSG00000105963	12.00	41.25	1.7813597135
ENSG00000105967	5.00	3.75	-0.4150374993
ENSG00000105968	1515.75	1330.00	-0.1886055767
ENSG00000105971	1286.25	1756.00	0.4491217678
ENSG00000105974	10504.50	14183.00	0.4331552316
ENSG00000105976	788.25	1090.75	0.4685953037
ENSG00000105982	45.75	36.50	-0.3258752794
ENSG00000105983	868.25	736.25	-0.2379147767
ENSG00000105989	617.00	59.00	-3.3864836298
ENSG00000105991	26.00	27.75	0.0939761482
ENSG00000105993	2104.25	2353.50	0.1615017357
ENSG00000105996	82.00	44.50	-0.8818185737
ENSG00000105997	237.75	139.25	-0.7717680135
ENSG00000106003	30.25	5.00	-2.5969351424
ENSG00000106004	155.50	127.75	-0.2835912892
ENSG00000106006	0.75	0.25	-1.5849625007
ENSG00000106009	498.50	424.50	-0.2318289508
ENSG00000106012	903.50	725.75	-0.3160519342
ENSG00000106013	8.50	6.75	-0.3325753391
ENSG00000106018	4.75	11.00	1.2115041052
ENSG00000106025	30.25	29.25	-0.0484985177
ENSG00000106028	552.00	507.00	-0.1226825198
ENSG00000106031	0.25	0.25	0.0000000000
ENSG00000106034	1658.50	3140.75	0.9212300986
ENSG00000106049	1597.50	1231.75	-0.3751064595

ENSG00000106052	3712.25	3381.00	-0.1348438552
ENSG00000106066	2.75	1.50	-0.8744691179
ENSG00000106069	15.50	10.25	-0.5966443058
ENSG00000106070	680.25	862.25	0.3420411722
ENSG00000106077	103.00	71.50	-0.5266291904
ENSG00000106078	1.75	1.75	0.0000000000
ENSG00000106080	1300.25	1089.75	-0.2547918342
ENSG00000106086	387.00	570.25	0.5592609752
ENSG00000106089	186.50	168.50	-0.1464270391
ENSG00000106100	265.25	259.00	-0.0344006532
ENSG00000106105	3417.00	2589.75	-0.3999174129
ENSG00000106113	1.25	3.00	1.2630344058
ENSG00000106123	517.00	1226.00	1.2457227934
ENSG00000106125	168.25	173.25	0.0422488475
ENSG00000106133	186.50	145.50	-0.3581564773
ENSG00000106144	427.25	366.75	-0.2202835260
ENSG00000106153	2090.50	2001.00	-0.0631268761
ENSG00000106178	1.00	1.50	0.5849625007
ENSG00000106211	7600.50	9660.75	0.3460408656
ENSG00000106236	1.25	3.50	1.4854268272
ENSG00000106244	2125.00	1907.00	-0.1561579976
ENSG00000106245	857.25	803.50	-0.0934179753
ENSG00000106246	194.00	163.75	-0.2445617458
ENSG00000106258	90.25	79.00	-0.1920742787
ENSG00000106261	3614.50	2683.00	-0.4299490359
ENSG00000106263	2701.25	2799.50	0.0515420130
ENSG00000106266	971.75	854.25	-0.1859268599
ENSG00000106268	177.00	186.00	0.0715532610
ENSG00000106278	3.00	3.75	0.3219280949
ENSG00000106290	1244.00	1144.25	-0.1205841935
ENSG00000106299	1346.75	1565.25	0.2169110360
ENSG00000106302	2.00	4.50	1.1699250014
ENSG00000106305	217.75	236.00	0.1161141408
ENSG00000106327	9.75	8.75	-0.1561192019
ENSG00000106330	349.50	282.00	-0.3095972930
ENSG00000106333	11649.00	6811.00	-0.7742675758
ENSG00000106336	30.00	18.50	-0.6974372300
ENSG00000106344	526.50	599.75	0.1879277213
ENSG00000106346	273.75	224.00	-0.2893602324
ENSG00000106348	778.50	985.75	0.3405247660
ENSG00000106351	162.75	142.25	-0.1942288909
ENSG00000106355	303.75	325.50	0.0997731347
ENSG00000106366	5240.00	8622.00	0.7184557508

ENSG00000106367	980.00	910.25	-0.1065189136
ENSG00000106384	10.75	5.50	-0.9668331361
ENSG00000106392	666.00	561.25	-0.2468786374
ENSG00000106397	1699.25	1924.50	0.1795855483
ENSG00000106399	122.50	106.50	-0.2019283188
ENSG00000106400	842.00	833.75	-0.0142053770
ENSG00000106404	176.25	174.00	-0.0185359514
ENSG00000106415	215.50	252.00	0.2257358644
ENSG00000106436	1.00	0.75	-0.4150374993
ENSG00000106443	723.50	542.75	-0.4147051959
ENSG00000106459	276.50	226.75	-0.2861769297
ENSG00000106460	1768.50	1534.75	-0.2045225492
ENSG00000106462	140.00	70.75	-0.9846247741
ENSG00000106477	256.00	174.00	-0.5570565042
ENSG00000106479	807.75	714.75	-0.1764701306
ENSG00000106483	687.50	251.50	-1.4508013135
ENSG00000106484	1657.75	343.50	-2.2708444508
ENSG00000106511	6.50	13.00	1.0000000000
ENSG00000106524	459.75	253.75	-0.8574417523
ENSG00000106526	9.25	8.25	-0.1650592463
ENSG00000106536	1.00	1.00	0.0000000000
ENSG00000106537	22.75	16.25	-0.4854268272
ENSG00000106538	2866.75	1900.50	-0.5930370721
ENSG00000106540	0.75	0.50	-0.5849625007
ENSG00000106546	2165.00	1710.50	-0.3399489208
ENSG00000106554	782.00	732.00	-0.0953249590
ENSG00000106560	10.00	11.25	0.1699250014
ENSG00000106565	811.50	815.00	0.0062089646
ENSG00000106571	992.25	693.00	-0.5178483049
ENSG00000106588	954.50	901.00	-0.0832180916
ENSG00000106591	565.25	600.00	0.0860734137
ENSG00000106603	488.50	384.50	-0.3453749640
ENSG00000106605	495.75	483.50	-0.0360968828
ENSG00000106608	677.00	625.00	-0.1152996440
ENSG00000106609	3078.50	3150.00	0.0331242601
ENSG00000106610	104.50	77.50	-0.4312347268
ENSG00000106615	1592.25	2819.75	0.8245003865
ENSG00000106617	570.00	1491.00	1.3872464332
ENSG00000106624	13329.50	11093.50	-0.2649080571
ENSG00000106628	1108.25	949.00	-0.2238033701
ENSG00000106631	0.75	0.25	-1.5849625007
ENSG00000106633	34.75	25.75	-0.4324405455
ENSG00000106635	652.25	650.25	-0.0044305449

ENSG00000106636	2235.75	2104.00	-0.0876241714
ENSG00000106638	722.50	668.25	-0.1126096551
ENSG00000106665	2236.00	1889.50	-0.2429156696
ENSG00000106682	6477.50	6148.25	-0.0752612814
ENSG00000106683	1412.50	1093.50	-0.3692976471
ENSG00000106686	16.75	12.75	-0.3936638485
ENSG00000106688	547.50	679.00	0.3105526098
ENSG00000106692	1327.00	1128.75	-0.2334423830
ENSG00000106701	129.25	138.25	0.0971151999
ENSG00000106714	21.25	15.50	-0.4551946258
ENSG00000106723	2280.75	1664.00	-0.4548528836
ENSG00000106733	250.25	244.25	-0.0350115069
ENSG00000106771	2276.75	2384.00	0.0664083517
ENSG00000106772	4509.75	6649.00	0.5600899184
ENSG00000106780	1301.50	1448.00	0.1538862907
ENSG00000106785	270.50	178.50	-0.5997045198
ENSG00000106789	16.75	12.50	-0.4222330007
ENSG00000106799	3949.25	3720.75	-0.0859852399
ENSG00000106803	846.50	849.25	0.0046792450
ENSG00000106804	254.75	226.75	-0.1679795956
ENSG00000106809	3463.50	1612.50	-1.1029315133
ENSG00000106819	1961.25	2045.50	0.0606800900
ENSG00000106823	1088.00	762.75	-0.5123963767
ENSG00000106829	975.50	743.75	-0.3913241095
ENSG00000106853	1583.00	1391.75	-0.1857611723
ENSG00000106868	508.00	537.00	0.0800935912
ENSG00000106927	6.25	6.25	0.0000000000
ENSG00000106948	760.25	365.50	-1.0566025051
ENSG00000106952	0.25	0.25	0.0000000000
ENSG00000106976	1637.50	418.50	-1.9681953788
ENSG00000106991	4084.00	2917.25	-0.4853738398
ENSG00000106992	1464.25	1073.25	-0.4481757217
ENSG00000106993	356.50	459.50	0.3661627848
ENSG00000107020	210.75	201.75	-0.0629639577
ENSG00000107021	1083.75	929.75	-0.2211172455
ENSG00000107036	1755.50	1646.50	-0.0924794843
ENSG00000107077	447.25	352.50	-0.3434582248
ENSG00000107099	23.75	25.00	0.0740005814
ENSG00000107104	837.75	1744.50	1.0582219110
ENSG00000107105	5.75	3.50	-0.7162070340
ENSG00000107130	1367.75	915.00	-0.5799609072
ENSG00000107140	707.00	757.75	0.1000117320
ENSG00000107147	1.75	2.75	0.6520766966

ENSG00000107159	33.75	30.75	-0.1343010917
ENSG00000107164	1278.00	1156.00	-0.1447464384
ENSG00000107175	1030.00	925.50	-0.1543394422
ENSG00000107185	1415.25	1288.50	-0.1353643865
ENSG00000107186	1958.00	1638.00	-0.2574454080
ENSG00000107201	382.75	319.75	-0.2594580186
ENSG00000107223	2628.75	2366.75	-0.1514696228
ENSG00000107242	0.50	1.25	1.3219280949
ENSG00000107249	706.25	828.50	0.2303227350
ENSG00000107262	627.50	591.50	-0.0852372905
ENSG00000107263	1778.00	2049.25	0.2048406737
ENSG00000107281	823.75	849.50	0.0444073873
ENSG00000107282	413.25	352.25	-0.2304151130
ENSG00000107290	3217.25	3149.00	-0.0309342891
ENSG00000107295	1.00	0.25	-2.0000000000
ENSG00000107317	5356.00	4144.50	-0.3699578978
ENSG00000107331	1493.25	1331.25	-0.1656741964
ENSG00000107338	484.75	236.25	-1.0369265690
ENSG00000107341	1776.25	1658.50	-0.0989556373
ENSG00000107362	169.75	218.00	0.3609165605
ENSG00000107371	222.75	228.25	0.0351894285
ENSG00000107372	4250.25	6042.75	0.5076575531
ENSG00000107404	1072.25	1070.25	-0.0026934804
ENSG00000107438	2355.50	3457.50	0.5536959194
ENSG00000107443	133.25	117.25	-0.1845476102
ENSG00000107485	0.50	2.25	2.1699250014
ENSG00000107518	21.00	20.75	-0.0172779914
ENSG00000107521	2042.75	1947.50	-0.0688893237
ENSG00000107537	767.50	710.00	-0.1123477259
ENSG00000107551	727.25	608.25	-0.2577869762
ENSG00000107554	1050.75	879.00	-0.2574843860
ENSG00000107560	777.25	673.50	-0.2067007659
ENSG00000107562	46189.75	12050.75	-1.9384497997
ENSG00000107566	1846.25	1587.50	-0.2178413291
ENSG00000107581	9010.00	9520.25	0.0794723529
ENSG00000107593	0.25	0.75	1.5849625007
ENSG00000107611	77.50	21.75	-1.8331809094
ENSG00000107614	140.50	93.50	-0.5875318603
ENSG00000107625	982.00	876.00	-0.1647921547
ENSG00000107643	546.00	491.00	-0.1531779266
ENSG00000107651	1327.75	1394.75	0.0710230220
ENSG00000107669	676.50	543.25	-0.3164736648
ENSG00000107672	177.00	200.25	0.1780528823

ENSG00000107679	648.00	774.50	0.2572714259
ENSG00000107719	21.00	26.25	0.3219280949
ENSG00000107731	792.75	355.00	-1.1590469477
ENSG00000107736	10.25	8.50	-0.2700891634
ENSG00000107738	4513.75	4902.00	0.1190439690
ENSG00000107742	9.50	5.75	-0.7243655574
ENSG00000107745	1805.00	1584.75	-0.1877435691
ENSG00000107758	1637.00	1600.00	-0.0329824167
ENSG00000107771	1385.50	1149.50	-0.2694002448
ENSG00000107779	1068.50	1060.75	-0.0105022294
ENSG00000107789	597.00	625.00	0.0661252583
ENSG00000107796	4016.50	7726.25	0.9438294834
ENSG00000107798	1305.00	1274.75	-0.0338354688
ENSG00000107815	129.75	138.00	0.0889337284
ENSG00000107816	2959.50	3122.00	0.0771170805
ENSG00000107819	1984.00	2084.00	0.0709432519
ENSG00000107821	679.75	284.75	-1.2553084043
ENSG00000107829	501.25	534.75	0.0933342458
ENSG00000107831	0.75	0.75	0.0000000000
ENSG00000107833	258.75	196.00	-0.4007052083
ENSG00000107854	2701.75	2094.75	-0.3671161102
ENSG00000107859	2.00	3.25	0.7004397181
ENSG00000107862	2796.50	2392.50	-0.2251034056
ENSG00000107863	5453.50	5037.75	-0.1144029043
ENSG00000107864	45.25	40.50	-0.1599958842
ENSG00000107872	131.50	137.25	0.0617433497
ENSG00000107874	919.25	870.00	-0.0794418705
ENSG00000107882	937.00	612.75	-0.6127504688
ENSG00000107890	368.75	270.50	-0.4470144553
ENSG00000107897	780.00	678.25	-0.2016569815
ENSG00000107902	275.00	205.25	-0.4220493966
ENSG00000107929	1093.75	1474.00	0.4304535075
ENSG00000107937	744.75	1003.25	0.4298530325
ENSG00000107938	376.50	379.75	0.0124000998
ENSG00000107949	486.75	501.75	0.0437877326
ENSG00000107951	274.50	307.75	0.1649527075
ENSG00000107954	10.25	12.00	0.2274104961
ENSG00000107957	8710.75	9446.50	0.1169829579
ENSG00000107959	1703.25	1725.00	0.0183061551
ENSG00000107960	290.00	240.25	-0.2715164692
ENSG00000107968	363.50	672.50	0.8875789035
ENSG00000107984	463.25	519.75	0.1660268768
ENSG00000108001	243.75	137.50	-0.8259706002

ENSG00000108010	706.25	691.25	-0.0309713871
ENSG00000108021	1472.25	1298.25	-0.1814544481
ENSG00000108039	1245.25	1254.00	0.0101019371
ENSG00000108055	1578.25	1472.00	-0.1005480797
ENSG00000108061	1249.75	1351.00	0.1123881476
ENSG00000108064	444.00	384.75	-0.2066383500
ENSG00000108091	1539.50	1493.00	-0.0442477019
ENSG00000108094	890.25	824.25	-0.1111285487
ENSG00000108100	2032.00	1918.00	-0.0832976818
ENSG00000108106	269.75	273.25	0.0185985362
ENSG00000108107	11220.50	9361.75	-0.2612868214
ENSG00000108175	4336.75	3184.75	-0.4454341521
ENSG00000108176	24.50	13.00	-0.9142701260
ENSG00000108179	575.75	632.00	0.1344820524
ENSG00000108187	203.50	197.00	-0.0468331648
ENSG00000108219	935.25	772.50	-0.2758171278
ENSG00000108231	46.75	14.25	-1.7140044457
ENSG00000108239	733.50	695.50	-0.0767464511
ENSG00000108242	0.25	1.50	2.5849625007
ENSG00000108255	1.00	0.25	-2.0000000000
ENSG00000108256	2648.25	2622.00	-0.0143716363
ENSG00000108262	1046.50	1391.50	0.4110685971
ENSG00000108298	19813.00	17337.50	-0.1925514610
ENSG00000108306	634.25	471.75	-0.4270290965
ENSG00000108309	18.25	26.00	0.5106151593
ENSG00000108312	2643.00	2162.50	-0.2894762922
ENSG00000108342	0.50	0.50	0.0000000000
ENSG00000108344	1906.50	1740.00	-0.1318392250
ENSG00000108349	2164.00	1869.75	-0.2108551156
ENSG00000108352	77.50	42.00	-0.8838069825
ENSG00000108370	39.75	28.75	-0.4673929043
ENSG00000108375	24.50	13.75	-0.8333501306
ENSG00000108379	39.00	4.75	-3.0374747054
ENSG00000108381	333.50	340.00	0.0278479850
ENSG00000108384	189.25	160.25	-0.2399689434
ENSG00000108387	15.50	41.25	1.4121259039
ENSG00000108389	946.75	979.25	0.0486937071
ENSG00000108395	992.50	802.25	-0.3070152177
ENSG00000108405	0.50	0.50	0.0000000000
ENSG00000108406	1662.25	1553.25	-0.0978473234
ENSG00000108423	66.75	47.00	-0.5061070800
ENSG00000108424	5452.25	5745.00	0.0754551779
ENSG00000108433	729.25	648.25	-0.1698631800

ENSG00000108439	329.50	302.00 -0.1257299157
ENSG00000108443	856.50	777.25 -0.1400745347
ENSG00000108448	197.50	127.25 -0.6341869970
ENSG00000108465	1516.25	1521.00 0.0045125077
ENSG00000108468	1824.25	1190.50 -0.6157358332
ENSG00000108469	414.50	354.75 -0.2245694174
ENSG00000108474	191.25	171.50 -0.1572511714
ENSG00000108479	192.50	210.00 0.1255308821
ENSG00000108506	262.00	275.75 0.0737940741
ENSG00000108509	1290.75	1032.00 -0.3227666273
ENSG00000108510	1656.00	1913.75 0.2086997049
ENSG00000108511	100.00	101.25 0.0179219080
ENSG00000108515	78.00	90.75 0.2184235191
ENSG00000108518	6067.75	7118.25 0.2303609569
ENSG00000108523	1294.00	1359.25 0.0709732108
ENSG00000108528	616.75	532.75 -0.2112271225
ENSG00000108551	36.00	128.25 1.8328900142
ENSG00000108556	13.00	12.75 -0.0280143762
ENSG00000108557	911.25	754.25 -0.2728041181
ENSG00000108559	433.00	414.50 -0.0629949232
ENSG00000108561	638.75	650.75 0.0268520206
ENSG00000108576	4.75	2.75 -0.7884958948
ENSG00000108578	444.50	361.00 -0.3001845819
ENSG00000108582	7075.75	8875.50 0.3269453201
ENSG00000108587	920.25	714.75 -0.3645871298
ENSG00000108588	1579.25	1692.00 0.0994899962
ENSG00000108590	154.25	147.75 -0.0621123590
ENSG00000108591	554.00	578.50 0.0624309831
ENSG00000108592	1265.75	1414.75 0.1605546532
ENSG00000108599	757.25	707.75 -0.0975298289
ENSG00000108602	18.25	3.25 -2.4893848407
ENSG00000108604	1357.75	2932.25 1.1107902478
ENSG00000108622	19.25	11.75 -0.7121976890
ENSG00000108639	305.25	454.50 0.5742889992
ENSG00000108641	223.75	143.25 -0.6433525434
ENSG00000108651	602.50	628.75 0.0615252536
ENSG00000108654	15216.25	15373.75 0.0148562587
ENSG00000108666	201.75	179.00 -0.1726090860
ENSG00000108669	396.50	294.00 -0.4315047109
ENSG00000108671	1083.50	1047.50 -0.0487489095
ENSG00000108679	4112.25	3524.00 -0.2227140501
ENSG00000108684	14.00	3.50 -2.0000000000
ENSG00000108688	24.25	6.00 -2.0149503415

ENSG00000108691	1147.25	1105.25	-0.0538070725
ENSG00000108700	31.50	2.50	-3.6553518286
ENSG00000108733	289.25	215.50	-0.4246290900
ENSG00000108759	0.50	0.25	-1.0000000000
ENSG00000108771	290.50	284.00	-0.0326472339
ENSG00000108773	634.00	599.25	-0.0813248365
ENSG00000108774	3409.00	3453.00	0.0185017347
ENSG00000108784	1606.75	1677.25	0.0619522713
ENSG00000108785	31.00	26.25	-0.2399507927
ENSG00000108786	450.25	420.50	-0.0986204757
ENSG00000108788	638.00	706.50	0.1471331366
ENSG00000108797	2446.25	1433.00	-0.7715332413
ENSG00000108798	1.00	0.50	-1.0000000000
ENSG00000108799	1235.25	1461.00	0.2421531224
ENSG00000108813	2.25	4.00	0.8300749986
ENSG00000108819	2094.25	1679.50	-0.3184018779
ENSG00000108821	155987.25	60447.25	-1.3676794999
ENSG00000108823	9.25	8.00	-0.2094533656
ENSG00000108825	5.25	5.00	-0.0703893279
ENSG00000108826	400.00	322.00	-0.3129393117
ENSG00000108828	16029.50	9462.75	-0.7603980091
ENSG00000108829	1825.00	2436.25	0.4167657215
ENSG00000108830	366.00	80.00	-2.1937717434
ENSG00000108839	72.50	50.50	-0.5216976073
ENSG00000108840	2475.50	3143.25	0.3445370729
ENSG00000108846	304.75	589.50	0.9518655924
ENSG00000108848	3319.00	2970.00	-0.1602856984
ENSG00000108852	173.00	102.25	-0.7586711947
ENSG00000108854	3905.75	2827.25	-0.4662001485
ENSG00000108861	1901.75	2503.00	0.3963306860
ENSG00000108883	1151.00	1072.00	-0.1025829277
ENSG00000108924	30.75	79.00	1.3612662428
ENSG00000108932	38.50	104.50	1.4405725914
ENSG00000108946	9736.50	9988.00	0.0367925644
ENSG00000108947	105.75	77.25	-0.4530508252
ENSG00000108950	768.75	1441.50	0.9069844264
ENSG00000108953	3338.00	3272.50	-0.0285907625
ENSG00000108960	912.25	2507.00	1.4584608452
ENSG00000108961	260.50	266.50	0.0328521605
ENSG00000108963	620.75	595.25	-0.0605166409
ENSG00000108984	105.25	68.75	-0.6143886147
ENSG00000109016	297.25	387.75	0.3834499713
ENSG00000109046	3958.75	4863.25	0.2968757943

ENSG00000109047	3.50	1.75	-1.0000000000
ENSG00000109062	247.25	267.00	0.1108692209
ENSG00000109063	33.50	45.50	0.4417054497
ENSG00000109065	540.25	517.50	-0.0620683045
ENSG00000109066	518.75	568.50	0.1321209178
ENSG00000109072	26.25	16.75	-0.6481563272
ENSG00000109079	1096.50	1181.00	0.1071031527
ENSG00000109083	506.25	450.25	-0.1691237268
ENSG00000109084	168.00	225.25	0.4230658730
ENSG00000109089	609.00	624.25	0.0356816880
ENSG00000109099	8183.25	6349.25	-0.3660877425
ENSG00000109103	497.75	387.00	-0.3630877496
ENSG00000109107	493.50	371.75	-0.4087173424
ENSG00000109111	4281.00	3992.00	-0.1008361149
ENSG00000109113	2403.25	2142.75	-0.1655231968
ENSG00000109118	915.50	784.25	-0.2232462620
ENSG00000109133	770.50	759.75	-0.0202701870
ENSG00000109158	0.50	0.75	0.5849625007
ENSG00000109163	6.25	3.00	-1.0588936891
ENSG00000109171	1038.00	1042.25	0.0058949285
ENSG00000109180	1951.00	1769.00	-0.1412797299
ENSG00000109184	1145.75	1301.50	0.1838830260
ENSG00000109189	552.25	824.00	0.5773228238
ENSG00000109193	1.50	1.50	0.0000000000
ENSG00000109220	238.75	284.00	0.2503901966
ENSG00000109265	127.25	39.25	-1.6969010972
ENSG00000109270	644.50	652.50	0.0177975431
ENSG00000109272	1.75	0.75	-1.2223924213
ENSG00000109320	1248.75	952.75	-0.3903150699
ENSG00000109321	4.00	2.00	-1.0000000000
ENSG00000109323	2025.75	1496.00	-0.4373459653
ENSG00000109332	5718.75	5626.25	-0.0235261787
ENSG00000109339	1024.00	539.50	-0.9245208505
ENSG00000109381	837.50	734.00	-0.1903091274
ENSG00000109390	417.50	380.00	-0.1357767790
ENSG00000109436	950.50	829.00	-0.1973145252
ENSG00000109445	634.00	633.75	-0.0005689982
ENSG00000109452	262.75	288.25	0.1336298437
ENSG00000109458	1075.25	782.00	-0.4594316186
ENSG00000109466	411.75	342.00	-0.2677723248
ENSG00000109472	10186.25	7289.25	-0.4827807441
ENSG00000109475	5870.75	5592.25	-0.0701159648
ENSG00000109501	1736.75	2269.75	0.3861433043

ENSG00000109511	2.00	0.25	-3.0000000000
ENSG00000109519	315.50	376.25	0.2540515767
ENSG00000109534	142.25	128.75	-0.1438562202
ENSG00000109536	206.50	178.50	-0.2102177074
ENSG00000109572	2164.25	1478.50	-0.5497329160
ENSG00000109576	163.00	113.50	-0.5221796669
ENSG00000109586	454.75	485.00	0.0929111094
ENSG00000109606	2532.50	2550.50	0.0102178317
ENSG00000109610	4927.00	4141.50	-0.2505560830
ENSG00000109618	282.00	199.00	-0.5029267319
ENSG00000109625	1619.00	924.00	-0.8091382289
ENSG00000109654	1819.50	915.00	-0.9916984027
ENSG00000109667	128.50	146.00	0.1842000097
ENSG00000109670	466.75	355.00	-0.3948309978
ENSG00000109674	76.50	25.75	-1.5708873155
ENSG00000109680	855.00	401.25	-1.0914230278
ENSG00000109684	8.50	14.00	0.7198920808
ENSG00000109685	1027.00	725.00	-0.5023832814
ENSG00000109686	4855.75	7261.50	0.5805734491
ENSG00000109689	1653.25	739.00	-1.1616586321
ENSG00000109705	9.00	6.75	-0.4150374993
ENSG00000109736	924.50	1248.00	0.4328727095
ENSG00000109738	432.00	296.00	-0.5454341365
ENSG00000109743	406.25	444.00	0.1281918635
ENSG00000109756	1601.00	1591.25	-0.0088127937
ENSG00000109758	3.75	4.00	0.0931094044
ENSG00000109762	412.25	501.25	0.2820108379
ENSG00000109771	48.25	31.50	-0.6151771138
ENSG00000109775	464.75	301.00	-0.6266913782
ENSG00000109787	1657.25	1326.25	-0.3214385017
ENSG00000109790	1732.25	1586.25	-0.1270269922
ENSG00000109794	155.75	72.25	-1.1081626705
ENSG00000109805	97.75	64.75	-0.5942165096
ENSG00000109814	1769.50	1927.25	0.1232019663
ENSG00000109819	177.25	155.50	-0.1888710471
ENSG00000109832	7.25	6.25	-0.2141248054
ENSG00000109846	1575.25	2036.00	0.3701567518
ENSG00000109854	526.00	532.25	0.0170412452
ENSG00000109861	2969.50	5599.75	0.9151423871
ENSG00000109881	100.25	42.75	-1.2296059116
ENSG00000109906	14.75	808.75	5.7769069475
ENSG00000109911	164.00	124.50	-0.3975500726
ENSG00000109917	467.00	532.50	0.1893589754

ENSG00000109919	1185.00	1369.25	0.2084988212
ENSG00000109920	1352.25	1286.00	-0.0724712548
ENSG00000109927	40.50	36.00	-0.1699250014
ENSG00000109929	473.75	436.25	-0.1189708120
ENSG00000109943	2.00	1.50	-0.4150374993
ENSG00000109944	157.50	135.25	-0.2197232346
ENSG00000109956	3.00	2.75	-0.1255308821
ENSG00000109971	23940.75	18043.25	-0.4080091246
ENSG00000109991	1.25	1.75	0.4854268272
ENSG00000110002	1191.25	810.75	-0.5551471903
ENSG00000110011	485.25	377.25	-0.3632073122
ENSG00000110013	1835.00	1693.00	-0.1161980898
ENSG00000110025	327.25	350.75	0.1000499117
ENSG00000110031	136.50	87.75	-0.6374299206
ENSG00000110042	731.75	842.75	0.2037538816
ENSG00000110046	783.00	827.25	0.0793110790
ENSG00000110047	1950.50	2232.25	0.1946546119
ENSG00000110048	1782.50	1463.75	-0.2842329059
ENSG00000110057	286.00	408.25	0.5134377388
ENSG00000110060	186.25	131.50	-0.5021776261
ENSG00000110063	276.00	211.50	-0.3840106037
ENSG00000110066	618.25	586.25	-0.0766743170
ENSG00000110074	278.25	224.50	-0.3096662426
ENSG00000110075	1470.25	1478.25	0.0078287866
ENSG00000110076	5.75	4.00	-0.5235619561
ENSG00000110077	3.25	1.00	-1.7004397181
ENSG00000110080	720.50	644.25	-0.1613777983
ENSG00000110090	1844.00	2788.75	0.5967799527
ENSG00000110092	15923.00	14958.75	-0.0901225508
ENSG00000110104	311.00	382.25	0.2976019212
ENSG00000110107	1484.00	1236.50	-0.2632288522
ENSG00000110108	1999.50	2348.75	0.2322538805
ENSG00000110148	0.50	0.25	-1.0000000000
ENSG00000110169	25.00	23.50	-0.0892673381
ENSG00000110171	398.00	404.00	0.0215868622
ENSG00000110172	567.75	569.50	0.0044400410
ENSG00000110195	9.00	6.25	-0.5260688117
ENSG00000110200	293.00	282.75	-0.0513736404
ENSG00000110203	30.00	10.00	-1.5849625007
ENSG00000110218	678.75	812.50	0.2594875201
ENSG00000110237	2602.50	3062.00	0.2345761193
ENSG00000110243	1.00	0.25	-2.0000000000
ENSG00000110274	911.00	812.25	-0.1655272155

ENSG00000110315	1428.00	1653.75	0.2117451771
ENSG00000110318	520.75	454.25	-0.1971044198
ENSG00000110321	31162.00	27495.25	-0.1806054253
ENSG00000110328	73.50	51.50	-0.5131718177
ENSG00000110330	1483.50	1375.25	-0.1093110238
ENSG00000110344	1756.75	1644.75	-0.0950405858
ENSG00000110367	3294.50	3126.00	-0.0757417484
ENSG00000110375	3.75	1.00	-1.9068905956
ENSG00000110395	851.25	1006.75	0.2420506740
ENSG00000110400	218.50	103.00	-1.0849889423
ENSG00000110422	2248.00	3058.00	0.4439463711
ENSG00000110427	190.00	152.25	-0.3195571904
ENSG00000110429	742.00	672.50	-0.1418849192
ENSG00000110435	560.75	448.75	-0.3214457764
ENSG00000110436	313.50	231.75	-0.4358961042
ENSG00000110442	553.25	371.25	-0.5755405201
ENSG00000110446	325.25	349.75	0.1047750004
ENSG00000110455	476.75	411.75	-0.2114642886
ENSG00000110492	1950.25	1304.25	-0.5804386397
ENSG00000110497	695.75	690.00	-0.0119726417
ENSG00000110514	782.25	658.75	-0.2478986967
ENSG00000110536	434.50	426.00	-0.0285027466
ENSG00000110583	501.25	344.50	-0.5410263486
ENSG00000110619	839.00	793.00	-0.0813499447
ENSG00000110628	115.50	160.50	0.4746804457
ENSG00000110651	17755.75	15984.00	-0.1516578126
ENSG00000110660	49.00	60.25	0.2981794921
ENSG00000110665	1.00	1.25	0.3219280949
ENSG00000110675	3.00	7.50	1.3219280949
ENSG00000110680	0.50	0.25	-1.0000000000
ENSG00000110693	12.75	10.75	-0.2461605873
ENSG00000110696	2916.25	2729.75	-0.0953455720
ENSG00000110697	671.00	764.00	0.1872598718
ENSG00000110700	6094.75	5528.75	-0.1406137072
ENSG00000110711	680.00	652.25	-0.0601097073
ENSG00000110713	2308.00	2612.50	0.1787878132
ENSG00000110717	533.50	472.50	-0.1751739417
ENSG00000110719	912.75	1150.75	0.3342827738
ENSG00000110721	157.50	191.00	0.2782208096
ENSG00000110723	379.25	387.00	0.0291843859
ENSG00000110756	560.00	1408.50	1.3306608314
ENSG00000110768	1269.50	1501.50	0.2421440799
ENSG00000110777	21.50	21.50	0.0000000000

ENSG00000110786	0.25	1.25	2.3219280949
ENSG00000110799	27.75	18.75	-0.5655971759
ENSG00000110801	740.25	771.25	0.0591859989
ENSG00000110811	1772.50	1316.75	-0.4288041680
ENSG00000110841	1982.25	1419.50	-0.4817560766
ENSG00000110844	353.00	270.00	-0.3867087762
ENSG00000110851	728.75	711.25	-0.0350672309
ENSG00000110852	190.75	186.75	-0.0305748140
ENSG00000110871	425.25	341.25	-0.3174821899
ENSG00000110876	105.25	66.50	-0.6623939876
ENSG00000110880	7673.00	8512.75	0.1498345075
ENSG00000110881	344.00	204.50	-0.7503077218
ENSG00000110888	755.50	607.50	-0.3145473467
ENSG00000110900	421.25	139.75	-1.5918284032
ENSG00000110906	2663.75	3287.25	0.3034224916
ENSG00000110911	979.75	1125.75	0.2004009047
ENSG00000110917	5391.75	5376.00	-0.0042204663
ENSG00000110921	118.00	69.50	-0.7637019766
ENSG00000110925	599.75	538.75	-0.1547452883
ENSG00000110931	1149.75	1249.00	0.1194532792
ENSG00000110934	1.00	1.00	0.0000000000
ENSG00000110944	13.75	17.00	0.3061031277
ENSG00000110955	6613.00	6756.50	0.0309711940
ENSG00000110958	2952.00	2703.00	-0.1271312095
ENSG00000110987	125.25	161.25	0.3644885571
ENSG00000111011	1350.75	1190.25	-0.1824960531
ENSG00000111012	4.25	5.75	0.4360991148
ENSG00000111046	0.50	0.25	-1.0000000000
ENSG00000111052	474.75	483.50	0.0263478893
ENSG00000111057	40.25	83.25	1.0484614890
ENSG00000111058	796.75	792.25	-0.0081713594
ENSG00000111077	3731.75	4227.25	0.1798670966
ENSG00000111087	26.50	11.75	-1.1733316029
ENSG00000111110	31.00	11.75	-1.3996074587
ENSG00000111142	1960.75	1603.25	-0.2904061932
ENSG00000111144	1715.75	1368.00	-0.3267711245
ENSG00000111145	1922.50	1910.50	-0.0090333405
ENSG00000111181	6.25	5.00	-0.3219280949
ENSG00000111186	1315.25	1210.00	-0.1203300026
ENSG00000111196	160.00	126.75	-0.3360861579
ENSG00000111199	136.00	183.00	0.4282369970
ENSG00000111203	364.75	256.50	-0.5079491523
ENSG00000111206	255.75	146.00	-0.8087658709

ENSG00000111215	14.75	13.75	-0.1012833358
ENSG00000111218	2.50	1.25	-1.0000000000
ENSG00000111224	305.25	213.25	-0.5174455537
ENSG00000111229	2348.25	2664.25	0.1821434549
ENSG00000111231	202.50	301.75	0.5754318630
ENSG00000111237	853.75	861.25	0.0126184044
ENSG00000111247	33.00	17.75	-0.8946469999
ENSG00000111252	1107.50	1190.00	0.1036548748
ENSG00000111254	26.25	20.50	-0.3566935130
ENSG00000111261	442.00	349.75	-0.3377223122
ENSG00000111262	1.75	1.00	-0.8073549221
ENSG00000111266	325.50	253.75	-0.3592497211
ENSG00000111269	1929.75	2015.75	0.0629027643
ENSG00000111271	599.00	507.50	-0.2391481807
ENSG00000111275	2634.50	3072.25	0.2217664384
ENSG00000111276	1070.25	929.00	-0.2041973338
ENSG00000111291	1.50	2.00	0.4150374993
ENSG00000111300	469.50	416.50	-0.1728086623
ENSG00000111305	37.75	38.50	0.0283818014
ENSG00000111319	11.25	11.00	-0.0324214777
ENSG00000111321	3132.75	3303.00	0.0763473254
ENSG00000111325	262.25	199.75	-0.3927472696
ENSG00000111328	2897.75	2597.50	-0.1578093843
ENSG00000111331	268.25	154.25	-0.7983076816
ENSG00000111335	119.50	53.75	-1.1526739584
ENSG00000111339	1.00	2.50	1.3219280949
ENSG00000111341	2774.25	3919.00	0.4983877718
ENSG00000111344	1.75	4.50	1.3625700794
ENSG00000111348	18.00	38.00	1.0780025120
ENSG00000111358	498.00	518.75	0.0588936891
ENSG00000111361	837.75	792.75	-0.0796538091
ENSG00000111364	314.75	280.50	-0.1662056071
ENSG00000111371	2002.00	3036.00	0.6007298166
ENSG00000111404	0.50	0.75	0.5849625007
ENSG00000111405	7.50	7.25	-0.0489096005
ENSG00000111412	834.00	925.75	0.1505752607
ENSG00000111424	1099.25	923.75	-0.2509451682
ENSG00000111445	156.50	125.25	-0.3213520537
ENSG00000111450	964.25	1329.50	0.4634046312
ENSG00000111452	7153.50	9975.50	0.4797398716
ENSG00000111481	2403.50	1865.00	-0.3659611730
ENSG00000111490	26.00	9.25	-1.4909863525
ENSG00000111530	3275.25	3031.00	-0.1118111797

ENSG00000111540	3802.00	3993.00	0.0707145400
ENSG00000111554	226.75	174.50	-0.3778755143
ENSG00000111581	596.25	528.50	-0.1740138895
ENSG00000111596	1152.50	964.75	-0.2565397068
ENSG00000111602	228.25	153.25	-0.5747277863
ENSG00000111605	1327.00	1255.00	-0.0804810065
ENSG00000111615	1023.25	748.50	-0.4510844454
ENSG00000111639	1091.25	1055.75	-0.0477134067
ENSG00000111640	52546.00	45415.50	-0.2103961814
ENSG00000111641	369.75	446.50	0.2721100280
ENSG00000111642	6420.25	4481.00	-0.5188087495
ENSG00000111644	7.25	5.25	-0.4656635723
ENSG00000111647	802.25	649.50	-0.3047223588
ENSG00000111652	1927.75	1831.50	-0.0738922669
ENSG00000111653	604.75	423.75	-0.5131254960
ENSG00000111664	58.50	44.25	-0.4027591695
ENSG00000111665	57.00	40.00	-0.5109619193
ENSG00000111666	1068.25	1090.50	0.0297404530
ENSG00000111667	1960.75	1414.75	-0.4708584630
ENSG00000111669	7643.25	8420.00	0.1396340136
ENSG00000111670	3811.25	2766.00	-0.4624630887
ENSG00000111671	147.25	98.50	-0.5800720044
ENSG00000111674	1395.25	1166.75	-0.2580281791
ENSG00000111676	5100.00	5134.25	0.0096562991
ENSG00000111678	930.25	918.25	-0.0187314944
ENSG00000111679	2.75	1.50	-0.8744691179
ENSG00000111684	864.25	1078.25	0.3191711125
ENSG00000111696	241.50	351.25	0.5404750363
ENSG00000111704	16.75	7.00	-1.2587342684
ENSG00000111707	826.25	709.50	-0.2197756823
ENSG00000111711	851.75	807.75	-0.0765211968
ENSG00000111713	0.75	1.50	1.0000000000
ENSG00000111716	6026.25	5855.00	-0.0415913539
ENSG00000111725	529.50	542.50	0.0349924533
ENSG00000111726	509.75	552.50	0.1161845943
ENSG00000111727	899.25	755.25	-0.2517679754
ENSG00000111728	314.50	106.25	-1.5655971759
ENSG00000111729	10.25	5.25	-0.9652345818
ENSG00000111731	818.50	677.75	-0.2722292086
ENSG00000111732	5.75	7.25	0.3344190391
ENSG00000111737	1073.25	1207.75	0.1703356800
ENSG00000111752	1086.75	701.00	-0.6325337463
ENSG00000111775	1483.25	1417.75	-0.0651586265

ENSG00000111780	5.50	2.75	-1.0000000000
ENSG00000111783	1.00	1.00	0.0000000000
ENSG00000111785	299.00	295.00	-0.0194305299
ENSG00000111786	1366.50	1460.50	0.0959768983
ENSG00000111788	27.50	20.50	-0.4238077089
ENSG00000111790	653.25	556.75	-0.2306055665
ENSG00000111796	0.50	0.25	-1.0000000000
ENSG00000111799	51185.75	39750.50	-0.3647692156
ENSG00000111801	982.50	512.25	-0.9396093281
ENSG00000111802	754.00	734.00	-0.0387844604
ENSG00000111816	350.25	253.00	-0.4692476657
ENSG00000111817	4577.75	4725.50	0.0458283108
ENSG00000111832	913.75	857.00	-0.0925042967
ENSG00000111834	9.50	4.00	-1.2479275134
ENSG00000111837	8.25	6.25	-0.4005379296
ENSG00000111843	1518.50	1570.00	0.0481176506
ENSG00000111845	218.50	183.50	-0.2518532167
ENSG00000111846	33.75	63.25	0.9061779776
ENSG00000111850	137.25	103.75	-0.4036948128
ENSG00000111859	999.50	2824.50	1.4987170286
ENSG00000111860	446.25	384.50	-0.2148685710
ENSG00000111863	9.75	8.00	-0.2854022189
ENSG00000111875	316.75	263.75	-0.2641735255
ENSG00000111877	195.75	155.25	-0.3344190391
ENSG00000111879	11.00	10.50	-0.0671141959
ENSG00000111880	318.00	341.00	0.1007449737
ENSG00000111885	4447.75	6896.50	0.6327886753
ENSG00000111886	3.50	5.50	0.6520766966
ENSG00000111897	10415.75	11278.00	0.1147445218
ENSG00000111906	701.00	632.75	-0.1477788419
ENSG00000111907	304.50	198.00	-0.6209417978
ENSG00000111911	483.50	317.25	-0.6078957256
ENSG00000111912	1244.75	1503.75	0.2727087220
ENSG00000111913	108.25	65.25	-0.7303172182
ENSG00000111961	3337.50	3353.25	0.0067922098
ENSG00000111962	738.00	801.50	0.1190817041
ENSG00000111971	3.25	2.00	-0.7004397181
ENSG00000111981	85.00	59.25	-0.5206476872
ENSG00000112029	107.75	78.50	-0.4569233102
ENSG00000112031	565.25	617.50	0.1275500497
ENSG00000112033	1054.25	1149.75	0.1251031761
ENSG00000112038	4.25	5.25	0.3048545815
ENSG00000112039	119.25	134.50	0.1736169066

ENSG00000112041	3.75	4.00	0.0931094044
ENSG00000112053	7.25	13.00	0.8424587230
ENSG00000112062	1267.75	1354.75	0.0957563727
ENSG00000112078	2098.25	2841.25	0.4373391982
ENSG00000112079	1407.50	1416.00	0.0086863431
ENSG00000112081	2008.75	2231.50	0.1517157827
ENSG00000112096	13908.50	17019.75	0.2912430088
ENSG00000112110	634.50	599.00	-0.0830641611
ENSG00000112118	598.75	529.00	-0.1786860285
ENSG00000112130	376.25	406.00	0.1097881455
ENSG00000112137	53.50	30.50	-0.8107296488
ENSG00000112139	1333.25	908.00	-0.5541831254
ENSG00000112144	714.50	682.75	-0.0655766023
ENSG00000112146	1368.75	1418.75	0.0517614277
ENSG00000112149	120.00	66.25	-0.8570420462
ENSG00000112159	1389.25	1439.25	0.0510109720
ENSG00000112167	281.50	271.75	-0.0508548871
ENSG00000112175	0.25	0.25	0.0000000000
ENSG00000112182	117.25	119.75	0.0304377332
ENSG00000112183	51.25	27.00	-0.9245925973
ENSG00000112186	412.75	319.50	-0.3694522840
ENSG00000112195	0.25	0.50	1.0000000000
ENSG00000112200	936.25	755.00	-0.3104171691
ENSG00000112208	2149.00	1662.25	-0.3705281051
ENSG00000112210	2324.50	2057.75	-0.1758527088
ENSG00000112212	0.75	0.25	-1.5849625007
ENSG00000112218	37.25	89.75	1.2686715134
ENSG00000112234	627.50	655.50	0.0629803214
ENSG00000112237	623.75	661.25	0.0842279068
ENSG00000112242	353.25	348.00	-0.0216022545
ENSG00000112245	1783.75	1868.50	0.0669671340
ENSG00000112246	1.50	3.75	1.3219280949
ENSG00000112249	2353.75	1962.00	-0.2626360533
ENSG00000112276	381.75	510.00	0.4178690901
ENSG00000112280	1.00	2.25	1.1699250014
ENSG00000112282	904.50	819.75	-0.1419365062
ENSG00000112290	550.25	734.25	0.4161841204
ENSG00000112293	14.25	10.75	-0.4066252595
ENSG00000112294	16.25	13.75	-0.2410080995
ENSG00000112297	290.50	399.00	0.4578505828
ENSG00000112299	21.00	14.00	-0.5849625007
ENSG00000112303	5.50	5.00	-0.1375035237
ENSG00000112304	580.50	409.75	-0.5025521178

ENSG00000112305	808.75	661.25	-0.2904979899
ENSG00000112306	14939.50	13494.00	-0.1468137974
ENSG00000112308	2804.50	2264.50	-0.3085510436
ENSG00000112309	5.50	5.25	-0.0671141959
ENSG00000112312	128.25	119.25	-0.1049695596
ENSG00000112319	789.75	538.25	-0.5531196176
ENSG00000112320	449.50	195.50	-1.2011525082
ENSG00000112333	2.25	1.25	-0.8479969066
ENSG00000112335	3807.00	3571.75	-0.0920234655
ENSG00000112339	1254.00	1043.50	-0.2651067476
ENSG00000112343	1380.75	1532.75	0.1506702772
ENSG00000112357	111.25	91.25	-0.2859088721
ENSG00000112365	233.75	239.75	0.0365644502
ENSG00000112367	561.25	458.00	-0.2932959415
ENSG00000112378	7091.25	6380.75	-0.1523139491
ENSG00000112379	10.25	10.75	0.0687127501
ENSG00000112394	19.75	21.75	0.1391627477
ENSG00000112406	895.75	924.25	0.0451870000
ENSG00000112414	627.00	938.00	0.5811224797
ENSG00000112419	1677.00	2037.50	0.2809173704
ENSG00000112425	124.25	109.50	-0.1823149820
ENSG00000112473	606.25	476.25	-0.3481937496
ENSG00000112474	12.75	9.75	-0.3870231231
ENSG00000112486	1.00	1.25	0.3219280949
ENSG00000112493	398.75	360.75	-0.1444851242
ENSG00000112499	0.25	1.25	2.3219280949
ENSG00000112511	37.75	40.00	0.0835233556
ENSG00000112514	1328.00	1045.00	-0.3457522044
ENSG00000112530	4.00	3.00	-0.4150374993
ENSG00000112531	3163.00	3166.00	0.0013676996
ENSG00000112541	19.25	22.50	0.2250665556
ENSG00000112559	5.00	0.75	-2.7369655942
ENSG00000112561	121.50	62.00	-0.9706161932
ENSG00000112562	5.50	2.25	-1.2895066172
ENSG00000112576	444.25	843.00	0.9241608549
ENSG00000112578	187.00	174.00	-0.1039509640
ENSG00000112584	590.25	553.00	-0.0940466560
ENSG00000112592	226.50	224.00	-0.0160123180
ENSG00000112599	8.50	5.75	-0.5639008852
ENSG00000112619	182.50	121.50	-0.5869401502
ENSG00000112624	567.50	476.00	-0.2536588189
ENSG00000112640	1269.25	1172.50	-0.1143883373
ENSG00000112651	252.25	233.50	-0.1114317194

ENSG00000112655	8586.50	7597.50	-0.1765454150
ENSG00000112658	961.75	1761.00	0.8726610795
ENSG00000112659	797.00	642.00	-0.3120064269
ENSG00000112667	181.00	162.50	-0.1555499792
ENSG00000112679	678.50	826.25	0.2842295510
ENSG00000112685	952.00	897.75	-0.0846478256
ENSG00000112695	662.25	669.00	0.0146302723
ENSG00000112697	6826.00	6012.75	-0.1830154395
ENSG00000112699	427.50	267.25	-0.6777344721
ENSG00000112701	1811.00	1535.25	-0.2383129432
ENSG00000112706	11.00	13.25	0.2684888359
ENSG00000112715	2873.00	1359.00	-1.0800125368
ENSG00000112739	1731.25	1685.25	-0.0388514459
ENSG00000112742	22.75	15.75	-0.5305147167
ENSG00000112759	766.25	613.50	-0.3207518249
ENSG00000112761	5.50	3.25	-0.7589919005
ENSG00000112763	566.25	554.00	-0.0315531689
ENSG00000112769	21356.75	17842.00	-0.2594147758
ENSG00000112773	792.50	317.00	-1.3219280949
ENSG00000112787	420.75	610.25	0.5364371185
ENSG00000112796	66.25	39.25	-0.7552278006
ENSG00000112812	2.50	2.00	-0.3219280949
ENSG00000112837	4301.00	1322.75	-1.7011317135
ENSG00000112851	2590.75	2970.25	0.1972145586
ENSG00000112852	170.75	151.25	-0.1749504361
ENSG00000112855	542.25	502.25	-0.1105524889
ENSG00000112874	334.75	305.50	-0.1319116755
ENSG00000112877	27.75	13.00	-1.0939761482
ENSG00000112893	2112.75	1989.25	-0.0868974654
ENSG00000112902	5385.75	4566.75	-0.2379794496
ENSG00000112936	404.50	3740.25	3.2089230960
ENSG00000112941	539.25	472.00	-0.1921674118
ENSG00000112964	122.00	105.75	-0.2062234844
ENSG00000112972	386.75	270.50	-0.5157726976
ENSG00000112977	4406.00	3658.50	-0.2682172362
ENSG00000112981	42.75	34.25	-0.3198204319
ENSG00000112983	1507.75	1280.50	-0.2356899823
ENSG00000112984	50.00	35.25	-0.5043048374
ENSG00000112992	1965.00	1660.50	-0.2429115896
ENSG00000112996	544.50	459.50	-0.2448671874
ENSG00000113013	3548.50	2873.25	-0.3045257799
ENSG00000113048	1206.50	1031.50	-0.2260840943
ENSG00000113068	862.00	783.25	-0.1382150047

ENSG00000113070	15.00	8.50	-0.8194277544
ENSG00000113083	13018.00	15832.75	0.2824040405
ENSG00000113100	1.00	0.25	-2.0000000000
ENSG00000113108	365.50	341.75	-0.0969300683
ENSG00000113119	130.25	163.00	0.3235885920
ENSG00000113140	40058.25	24768.25	-0.6936074578
ENSG00000113141	2088.75	1959.50	-0.0921542553
ENSG00000113161	419.00	374.25	-0.1629479276
ENSG00000113163	1627.25	1839.75	0.1770738204
ENSG00000113194	1724.00	1642.00	-0.0703056473
ENSG00000113205	24.75	31.75	0.3593280667
ENSG00000113209	39.50	20.25	-0.9639307453
ENSG00000113211	16.00	17.25	0.1085244568
ENSG00000113212	75.25	45.50	-0.7258250366
ENSG00000113231	46.25	40.50	-0.1915314576
ENSG00000113240	653.25	643.50	-0.0216950711
ENSG00000113248	28.00	19.50	-0.5219527032
ENSG00000113262	10.00	6.50	-0.6214883767
ENSG00000113263	22.50	13.00	-0.7914133782
ENSG00000113269	1348.00	1182.75	-0.1886753357
ENSG00000113272	279.50	201.75	-0.4702796096
ENSG00000113273	1770.75	1791.50	0.0168075013
ENSG00000113282	1698.75	1642.75	-0.0483606089
ENSG00000113296	48.25	35.75	-0.4325857005
ENSG00000113300	685.50	589.00	-0.2188890319
ENSG00000113302	3.25	3.50	0.1069152039
ENSG00000113303	0.75	0.25	-1.5849625007
ENSG00000113312	723.50	686.75	-0.0752080115
ENSG00000113318	444.50	367.50	-0.2744391691
ENSG00000113319	611.25	385.25	-0.6659676033
ENSG00000113328	5819.75	4571.75	-0.3482106665
ENSG00000113356	185.00	134.75	-0.4572399978
ENSG00000113360	1242.00	1247.50	0.0063746420
ENSG00000113361	3564.00	1305.50	-1.4488948792
ENSG00000113368	74.00	33.00	-1.1650592463
ENSG00000113369	1239.25	866.75	-0.5157794223
ENSG00000113384	2883.50	3161.75	0.1329022757
ENSG00000113387	2600.75	2063.50	-0.3338342869
ENSG00000113389	3312.75	6422.50	0.9551056520
ENSG00000113391	1063.00	1079.25	0.0218874959
ENSG00000113396	6.25	18.00	1.5260688117
ENSG00000113407	1714.25	1282.50	-0.4186186964
ENSG00000113441	1147.75	1531.50	0.4161369349

ENSG00000113448	333.75	569.75	0.7715611827
ENSG00000113456	818.50	1297.50	0.6646802168
ENSG00000113460	375.25	660.75	0.8162524480
ENSG00000113494	6.00	4.75	-0.3370349873
ENSG00000113504	296.25	280.75	-0.0775291314
ENSG00000113520	0.50	0.75	0.5849625007
ENSG00000113522	2009.50	1898.50	-0.0819765784
ENSG00000113525	2.75	0.25	-3.4594316186
ENSG00000113532	4.50	5.75	0.3536369546
ENSG00000113552	2063.25	1224.25	-0.7530204443
ENSG00000113555	42.00	28.50	-0.5594274086
ENSG00000113558	5470.25	4920.50	-0.1528018447
ENSG00000113569	494.25	456.50	-0.1146261057
ENSG00000113575	1891.25	1741.75	-0.1188025192
ENSG00000113578	137.50	249.25	0.8581618860
ENSG00000113580	3951.50	1868.00	-1.0809059531
ENSG00000113583	1684.75	1534.50	-0.1347658800
ENSG00000113593	673.25	545.00	-0.3048860948
ENSG00000113594	699.50	691.00	-0.0176383468
ENSG00000113595	454.25	440.00	-0.0459829907
ENSG00000113597	355.50	230.75	-0.6235189120
ENSG00000113600	3.50	3.75	0.0995356736
ENSG00000113615	1063.75	1093.75	0.0401238850
ENSG00000113621	1270.25	1292.00	0.0244936059
ENSG00000113638	217.75	155.50	-0.4857581385
ENSG00000113643	1538.25	1298.25	-0.2447217671
ENSG00000113645	103.00	185.25	0.8468292051
ENSG00000113648	2146.25	2163.25	0.0113822684
ENSG00000113649	940.00	824.50	-0.1891412631
ENSG00000113657	6127.25	3786.25	-0.6944700434
ENSG00000113658	2233.25	1901.50	-0.2320068230
ENSG00000113712	6390.50	5998.00	-0.0914472915
ENSG00000113716	1159.00	1055.25	-0.1352957370
ENSG00000113719	5455.00	8463.25	0.6336325872
ENSG00000113721	18974.25	22698.75	0.2585699908
ENSG00000113722	16.75	11.50	-0.5425272344
ENSG00000113732	3301.50	3780.25	0.1953600017
ENSG00000113734	148.25	114.75	-0.3695379511
ENSG00000113739	11021.25	22195.50	1.0099793490
ENSG00000113742	631.00	611.25	-0.0458774451
ENSG00000113749	2.50	0.75	-1.7369655942
ENSG00000113758	4068.25	3389.25	-0.2634422799
ENSG00000113761	282.50	276.50	-0.0309713871

ENSG00000113790	158.00	163.50	0.0493660773
ENSG00000113805	572.00	506.50	-0.1754528780
ENSG00000113810	1259.50	797.25	-0.6597470245
ENSG00000113811	364.00	404.00	0.1504168426
ENSG00000113812	735.25	567.00	-0.3748861439
ENSG00000113838	171.50	161.00	-0.0911478881
ENSG00000113845	1135.75	1135.25	-0.0006352686
ENSG00000113851	740.25	729.00	-0.0220937709
ENSG00000113889	0.50	0.25	-1.0000000000
ENSG00000113905	7.50	7.00	-0.0995356736
ENSG00000113916	1442.25	2307.25	0.6778530710
ENSG00000113924	2.00	1.75	-0.1926450779
ENSG00000113946	0.50	1.50	1.5849625007
ENSG00000113966	207.00	163.00	-0.3447588033
ENSG00000113971	867.00	784.25	-0.1447183694
ENSG00000114019	2827.75	4792.50	0.7611238541
ENSG00000114021	634.25	793.75	0.3236330725
ENSG00000114023	852.75	675.50	-0.3361670803
ENSG00000114026	422.50	357.00	-0.2430272671
ENSG00000114030	1509.75	1416.25	-0.0922337169
ENSG00000114054	453.50	337.50	-0.4262150486
ENSG00000114062	1568.50	1551.25	-0.0159543188
ENSG00000114098	686.75	1310.75	0.9325356354
ENSG00000114107	242.25	235.50	-0.0407696058
ENSG00000114113	1.00	0.75	-0.4150374993
ENSG00000114115	31.25	13.75	-1.1844245711
ENSG00000114120	2144.00	2169.50	0.0170576804
ENSG00000114124	2.00	2.00	0.0000000000
ENSG00000114125	717.00	752.25	0.0692390826
ENSG00000114126	1679.75	1223.50	-0.4572324288
ENSG00000114127	1745.00	1625.50	-0.1023434804
ENSG00000114166	728.25	622.50	-0.2263599592
ENSG00000114200	73.75	41.50	-0.8295317129
ENSG00000114209	455.00	505.50	0.1518445468
ENSG00000114248	0.25	0.25	0.0000000000
ENSG00000114251	5663.25	4834.75	-0.2281889266
ENSG00000114268	150.50	124.50	-0.2736177447
ENSG00000114270	999.75	2216.75	1.1488067944
ENSG00000114279	3.50	2.75	-0.3479233034
ENSG00000114302	1313.00	1133.50	-0.2120825252
ENSG00000114316	1409.75	1452.75	0.0433471117
ENSG00000114331	2472.50	1878.25	-0.3965814187
ENSG00000114346	426.75	372.25	-0.1971193044

ENSG00000114353	7379.50	6613.50	-0.1581090917
ENSG00000114354	2178.75	2128.25	-0.0338330339
ENSG00000114374	1142.75	991.25	-0.2051889530
ENSG00000114378	19.75	15.75	-0.3265008247
ENSG00000114383	324.25	366.00	0.1747370740
ENSG00000114388	299.00	216.00	-0.4691141720
ENSG00000114391	7001.25	6260.00	-0.1614498660
ENSG00000114395	173.75	159.00	-0.1279862123
ENSG00000114405	115.50	127.75	0.1454304395
ENSG00000114416	3259.25	2872.00	-0.1824842687
ENSG00000114423	624.25	734.25	0.2341474444
ENSG00000114439	2422.25	2725.00	0.1699084569
ENSG00000114446	907.00	806.75	-0.1689808780
ENSG00000114450	1486.50	2610.50	0.8124066954
ENSG00000114455	4.00	4.25	0.0874628413
ENSG00000114473	275.50	233.25	-0.2401752377
ENSG00000114480	3343.25	4185.00	0.3239763826
ENSG00000114491	371.00	335.75	-0.1440317872
ENSG00000114503	1606.50	1442.75	-0.1550996498
ENSG00000114520	371.50	397.50	0.0975926496
ENSG00000114529	27.00	26.75	-0.0134205158
ENSG00000114541	15.00	5.50	-1.4474589770
ENSG00000114544	960.75	915.75	-0.0692072754
ENSG00000114547	1.25	0.25	-2.3219280949
ENSG00000114554	3034.25	2642.50	-0.1994364864
ENSG00000114573	2613.25	1856.25	-0.4934541227
ENSG00000114626	889.00	1139.50	0.3581456004
ENSG00000114631	38.75	25.00	-0.6322682155
ENSG00000114638	0.75	0.50	-0.5849625007
ENSG00000114646	3.25	1.75	-0.8930847961
ENSG00000114648	408.25	404.75	-0.0124218053
ENSG00000114650	1507.50	1715.75	0.1866813526
ENSG00000114654	0.75	0.25	-1.5849625007
ENSG00000114656	16.25	14.25	-0.1894777989
ENSG00000114670	264.50	114.50	-1.2079201240
ENSG00000114686	915.25	825.00	-0.1497717492
ENSG00000114698	2044.25	2566.00	0.3279495301
ENSG00000114735	608.00	437.00	-0.4764380439
ENSG00000114737	53.75	51.75	-0.0547058921
ENSG00000114738	678.25	558.50	-0.2802598618
ENSG00000114739	103.50	104.75	0.0173194762
ENSG00000114742	1344.25	1135.00	-0.2441091741
ENSG00000114744	536.25	577.50	0.1069152039

ENSG00000114745	869.00	1151.75	0.4063995158
ENSG00000114757	22.75	6.25	-1.8639384504
ENSG00000114767	149.50	262.25	0.8107972884
ENSG00000114770	1068.75	1246.50	0.2219584628
ENSG00000114771	3.00	3.25	0.1154772174
ENSG00000114779	966.00	980.50	0.0214944414
ENSG00000114784	593.00	523.25	-0.1805316983
ENSG00000114786	12.75	10.25	-0.3148733374
ENSG00000114790	32.75	47.50	0.5364326068
ENSG00000114796	1348.00	1204.50	-0.1623861029
ENSG00000114805	2.25	3.75	0.7369655942
ENSG00000114841	303.50	248.00	-0.2913563959
ENSG00000114850	2666.25	3138.50	0.2352631484
ENSG00000114853	2221.75	3362.00	0.5976232364
ENSG00000114854	2.75	3.00	0.1255308821
ENSG00000114857	1806.75	1445.00	-0.3223274016
ENSG00000114859	79.75	57.50	-0.4719225628
ENSG00000114861	2127.25	1500.25	-0.5037866627
ENSG00000114867	7649.25	8705.00	0.1865259977
ENSG00000114902	1228.25	1199.25	-0.0344717995
ENSG00000114904	518.75	421.25	-0.3003627451
ENSG00000114923	201.25	185.00	-0.1214635125
ENSG00000114933	406.75	376.75	-0.1105348341
ENSG00000114942	6158.75	5423.00	-0.1835463962
ENSG00000114948	537.75	577.75	0.1035097350
ENSG00000114956	516.00	496.00	-0.0570309450
ENSG00000114978	2830.00	3101.75	0.1322803573
ENSG00000114982	2057.75	2226.00	0.1133858756
ENSG00000114988	459.50	423.00	-0.1194071982
ENSG00000114993	286.00	220.25	-0.3768731279
ENSG00000114999	1388.75	1306.50	-0.0880797870
ENSG00000115009	0.50	2.25	2.1699250014
ENSG00000115020	1340.50	1426.75	0.0899613437
ENSG00000115041	138.50	130.00	-0.0913743530
ENSG00000115042	411.25	344.25	-0.2565590245
ENSG00000115053	9579.75	8754.25	-0.1300044224
ENSG00000115073	879.50	855.75	-0.0394941905
ENSG00000115084	1450.75	1980.00	0.4487015014
ENSG00000115091	3224.75	4423.50	0.4560010037
ENSG00000115107	396.75	408.50	0.0421058553
ENSG00000115109	761.50	860.50	0.1763311556
ENSG00000115112	1.00	1.25	0.3219280949
ENSG00000115128	733.00	666.25	-0.1377495705

ENSG00000115129	947.50	685.50	-0.4669692773
ENSG00000115137	185.25	119.50	-0.6324629243
ENSG00000115138	2.50	2.00	-0.3219280949
ENSG00000115145	1042.00	967.00	-0.1077674828
ENSG00000115155	0.50	1.50	1.5849625007
ENSG00000115159	714.25	850.50	0.2518821047
ENSG00000115163	9.00	9.50	0.0780025120
ENSG00000115165	0.50	0.25	-1.0000000000
ENSG00000115170	1736.25	1515.50	-0.1961808421
ENSG00000115183	1428.75	953.75	-0.5830704414
ENSG00000115194	10.25	13.75	0.4238077089
ENSG00000115204	1234.25	1048.50	-0.2353077836
ENSG00000115207	897.75	774.50	-0.2130485089
ENSG00000115211	631.00	633.75	0.0062738369
ENSG00000115216	2315.75	2141.25	-0.1130262673
ENSG00000115221	5.25	3.50	-0.5849625007
ENSG00000115226	514.75	489.25	-0.0733000740
ENSG00000115232	2105.75	2663.25	0.3388536950
ENSG00000115233	752.50	759.00	0.0124083038
ENSG00000115234	2153.25	1992.00	-0.1122981839
ENSG00000115239	539.00	511.00	-0.0769619818
ENSG00000115241	1326.50	1247.75	-0.0882957717
ENSG00000115252	361.75	413.75	0.1937662952
ENSG00000115255	50.50	70.25	0.4762148375
ENSG00000115257	62.50	50.00	-0.3219280949
ENSG00000115266	116.25	138.00	0.2474375508
ENSG00000115267	227.50	153.50	-0.5676278897
ENSG00000115268	5087.50	4568.25	-0.1553152842
ENSG00000115271	108.50	127.00	0.2271334543
ENSG00000115274	230.00	202.00	-0.1872785682
ENSG00000115275	830.25	867.50	0.0633179400
ENSG00000115282	433.50	373.25	-0.2158897331
ENSG00000115286	565.75	467.50	-0.2751983145
ENSG00000115289	225.75	164.75	-0.4544475225
ENSG00000115290	37.25	59.75	0.6816982875
ENSG00000115295	1699.25	2019.75	0.2492786077
ENSG00000115306	12267.00	12347.75	0.0094657100
ENSG00000115307	1290.75	1600.50	0.3103130788
ENSG00000115310	16649.75	16833.75	0.0158560819
ENSG00000115317	337.00	311.00	-0.1158340111
ENSG00000115318	614.50	560.00	-0.1339861834
ENSG00000115325	386.50	396.00	0.0350320162
ENSG00000115339	22.50	28.00	0.3155018257

ENSG00000115350	259.50	270.25	0.0585600794
ENSG00000115353	1.25	0.25	-2.3219280949
ENSG00000115355	1505.00	1311.75	-0.1982706970
ENSG00000115361	13.50	19.25	0.5118990385
ENSG00000115363	92.25	76.75	-0.2653821607
ENSG00000115364	572.50	487.50	-0.2318734743
ENSG00000115365	1642.75	1457.75	-0.1723696194
ENSG00000115368	676.25	591.00	-0.1943985585
ENSG00000115380	23964.00	22555.75	-0.0873734808
ENSG00000115392	184.25	146.75	-0.3283041160
ENSG00000115414	341732.50	319066.00	-0.0990125781
ENSG00000115415	7064.25	9128.75	0.3698809254
ENSG00000115419	3004.25	5930.00	0.9810272324
ENSG00000115421	387.50	363.75	-0.0912490624
ENSG00000115423	8.50	9.00	0.0824621602
ENSG00000115425	138.25	97.25	-0.5075093252
ENSG00000115446	634.75	637.50	0.0062368521
ENSG00000115457	833.00	3202.75	1.9429227880
ENSG00000115459	421.25	369.25	-0.1900787653
ENSG00000115461	208702.25	156646.00	-0.4139382236
ENSG00000115464	3726.00	3595.75	-0.0513349555
ENSG00000115468	3.75	16.75	2.1591985948
ENSG00000115474	0.50	3.75	2.9068905956
ENSG00000115484	2036.50	1820.00	-0.1621533639
ENSG00000115486	1216.75	1058.75	-0.2006708051
ENSG00000115504	5952.50	4325.50	-0.4606288068
ENSG00000115507	24.25	10.75	-1.1736480875
ENSG00000115514	437.75	496.75	0.1824127888
ENSG00000115520	535.75	503.50	-0.0895681667
ENSG00000115523	2.00	2.50	0.3219280949
ENSG00000115524	8490.75	7355.50	-0.2070685808
ENSG00000115525	414.00	334.75	-0.3065467122
ENSG00000115526	195.00	143.75	-0.4399121679
ENSG00000115539	109.00	126.50	0.2148092499
ENSG00000115540	522.00	602.00	0.2057136802
ENSG00000115541	717.50	551.75	-0.3789641073
ENSG00000115548	1244.50	1457.25	0.2276821713
ENSG00000115556	190.50	140.00	-0.4443641705
ENSG00000115561	3457.25	2868.25	-0.2694541548
ENSG00000115568	498.00	516.50	0.0526226068
ENSG00000115590	2.00	4.00	1.0000000000
ENSG00000115592	2.50	0.75	-1.7369655942
ENSG00000115594	11881.00	12564.50	0.0806969908

ENSG00000115598	34.00	22.75	-0.5796682011
ENSG00000115602	7.75	12.25	0.6605135337
ENSG00000115604	36.00	33.00	-0.1255308821
ENSG00000115616	0.25	0.25	0.0000000000
ENSG00000115641	4417.50	4910.25	0.1525663449
ENSG00000115648	92.75	57.75	-0.6835263352
ENSG00000115649	987.50	1116.00	0.1764843739
ENSG00000115652	655.75	747.25	0.1884450894
ENSG00000115657	432.25	380.00	-0.1858665453
ENSG00000115661	516.25	490.50	-0.0738167401
ENSG00000115677	26417.00	22591.25	-0.2257025398
ENSG00000115685	987.00	830.75	-0.2486356968
ENSG00000115687	61.50	68.25	0.1502426356
ENSG00000115694	1620.00	1564.00	-0.0507533005
ENSG00000115705	1.75	1.50	-0.2223924213
ENSG00000115718	0.50	0.50	0.0000000000
ENSG00000115738	1422.50	1480.75	0.0578994336
ENSG00000115750	382.00	331.25	-0.2056521837
ENSG00000115756	303.75	290.75	-0.0631052170
ENSG00000115758	456.50	461.75	0.0164971010
ENSG00000115760	3074.75	3402.75	0.1462320470
ENSG00000115761	523.00	509.25	-0.0384368713
ENSG00000115762	1462.75	1422.25	-0.0405081371
ENSG00000115806	2345.50	1934.00	-0.2783077060
ENSG00000115808	893.00	786.25	-0.1836720634
ENSG00000115816	816.00	780.75	-0.0637084880
ENSG00000115825	2060.25	1838.25	-0.1644864262
ENSG00000115827	455.25	402.25	-0.1785665963
ENSG00000115828	235.00	450.75	0.9396667349
ENSG00000115839	2962.50	2633.00	-0.1701076326
ENSG00000115840	442.00	500.50	0.1793236994
ENSG00000115841	145.75	218.75	0.5857871335
ENSG00000115844	0.75	1.50	1.0000000000
ENSG00000115866	1752.00	1661.25	-0.0767335754
ENSG00000115875	889.00	802.00	-0.1485811824
ENSG00000115884	624.75	291.50	-1.0997831129
ENSG00000115896	376.50	419.75	0.1568804603
ENSG00000115902	188.25	146.00	-0.3666814958
ENSG00000115904	3386.50	3209.00	-0.0776712061
ENSG00000115919	115.00	96.75	-0.2493002948
ENSG00000115935	1590.25	1528.25	-0.0573730194
ENSG00000115942	348.50	299.50	-0.2186026531
ENSG00000115944	1607.75	1414.25	-0.1850059185

ENSG00000115946	198.50	273.75	0.4637199573
ENSG00000115947	578.75	478.75	-0.2736678013
ENSG00000115956	2.25	1.25	-0.8479969066
ENSG00000115963	23442.00	12778.75	-0.8753489406
ENSG00000115966	1047.25	917.50	-0.1908258211
ENSG00000115970	754.50	734.50	-0.0387584100
ENSG00000115977	1314.50	1189.50	-0.1441588702
ENSG00000115993	4016.25	6713.00	0.7411085667
ENSG00000115998	231.75	157.75	-0.5549293336
ENSG00000116001	1850.00	1093.50	-0.7585720504
ENSG00000116005	7729.75	9427.75	0.2864917480
ENSG00000116016	29837.75	17958.75	-0.7324518129
ENSG00000116017	451.25	481.25	0.0928596087
ENSG00000116030	1709.75	1494.00	-0.1946052412
ENSG00000116032	67.00	47.75	-0.4886603624
ENSG00000116035	12.25	16.50	0.4296842752
ENSG00000116039	16.25	17.75	0.1273793065
ENSG00000116044	7001.50	6548.50	-0.0964995572
ENSG00000116062	1072.50	1129.00	0.0740678384
ENSG00000116095	404.50	456.00	0.1728941217
ENSG00000116096	320.75	346.25	0.1103648058
ENSG00000116106	173.00	390.50	1.1745505105
ENSG00000116117	1968.50	2656.25	0.4322942236
ENSG00000116120	456.50	441.25	-0.0490185818
ENSG00000116127	409.25	383.75	-0.0928156662
ENSG00000116128	635.75	365.75	-0.7976016926
ENSG00000116132	7546.50	4036.25	-0.9027921545
ENSG00000116133	4001.50	6369.00	0.6705259627
ENSG00000116138	630.00	668.25	0.0850361039
ENSG00000116141	43.00	65.25	0.6016412419
ENSG00000116147	9.75	9.75	0.0000000000
ENSG00000116151	88.00	69.00	-0.3509071619
ENSG00000116157	256.25	209.25	-0.2923243818
ENSG00000116161	896.00	629.25	-0.5098654209
ENSG00000116171	3560.00	2691.75	-0.4033328173
ENSG00000116183	65.75	69.25	0.0748231768
ENSG00000116191	3114.25	2103.50	-0.5660929450
ENSG00000116194	98.25	358.00	1.8654302750
ENSG00000116198	595.00	634.50	0.0927304956
ENSG00000116199	1768.00	1900.00	0.1038811438
ENSG00000116205	483.75	466.00	-0.0539317064
ENSG00000116209	4484.50	4325.25	-0.0521636175
ENSG00000116212	551.25	611.50	0.1496457481

ENSG00000116213	320.50	332.00	0.0508588847
ENSG00000116221	941.00	873.25	-0.1077999853
ENSG00000116237	2726.75	2565.25	-0.0880830014
ENSG00000116251	9446.75	7817.00	-0.2732030413
ENSG00000116254	8.75	14.75	0.7533600324
ENSG00000116260	216533.00	205521.50	-0.0752975860
ENSG00000116266	898.00	861.50	-0.0598646485
ENSG00000116273	637.00	660.00	0.0511726520
ENSG00000116285	1107.50	5372.25	2.2782197440
ENSG00000116288	2406.00	2274.75	-0.0809286438
ENSG00000116299	68.00	27.00	-1.3325753391
ENSG00000116329	20.00	14.25	-0.4890380807
ENSG00000116337	1225.00	925.25	-0.4048666136
ENSG00000116350	1601.25	1574.75	-0.0240757593
ENSG00000116353	249.00	230.25	-0.1129445860
ENSG00000116396	162.75	157.50	-0.0473057148
ENSG00000116406	1613.00	1803.00	0.1606529583
ENSG00000116455	448.00	578.50	0.3688182270
ENSG00000116459	1943.75	1781.00	-0.1261551588
ENSG00000116473	1069.50	1000.75	-0.0958548668
ENSG00000116478	1495.50	1411.00	-0.0839099225
ENSG00000116489	3215.50	3259.50	0.0196075858
ENSG00000116497	644.00	607.75	-0.0835827001
ENSG00000116514	219.75	151.50	-0.5365453717
ENSG00000116521	550.00	567.00	0.0439171165
ENSG00000116525	197.50	210.25	0.0902531472
ENSG00000116539	2976.75	2350.00	-0.3410773063
ENSG00000116544	4.75	1.75	-1.4405725914
ENSG00000116560	3528.50	3440.00	-0.0366464451
ENSG00000116574	315.75	258.50	-0.2886184535
ENSG00000116580	1164.75	1046.00	-0.1551374789
ENSG00000116584	3288.75	1466.50	-1.1651622723
ENSG00000116586	442.75	387.75	-0.1913655257
ENSG00000116604	1602.00	1796.75	0.1655155383
ENSG00000116641	3070.50	2813.50	-0.1261076397
ENSG00000116649	992.00	1511.25	0.6073303137
ENSG00000116661	42.75	47.50	0.1520030934
ENSG00000116663	127.75	117.75	-0.1175962313
ENSG00000116667	2113.75	3286.00	0.6365277257
ENSG00000116668	202.50	155.25	-0.3833286396
ENSG00000116670	333.50	363.25	0.1232760364
ENSG00000116675	29.25	78.75	1.4288432988
ENSG00000116678	817.75	988.25	0.2732161957

ENSG00000116679	980.25	571.25	-0.7790274766
ENSG00000116685	1194.25	1252.50	0.0687057266
ENSG00000116688	3077.00	2556.25	-0.2674955056
ENSG00000116690	13.00	43.25	1.7341885095
ENSG00000116691	190.75	230.00	0.2699508041
ENSG00000116698	1142.50	999.75	-0.1925548841
ENSG00000116701	4.75	3.25	-0.5474877953
ENSG00000116703	1.50	0.25	-2.5849625007
ENSG00000116704	483.00	790.50	0.7107422735
ENSG00000116711	194.50	31.50	-2.6263464215
ENSG00000116717	1552.75	1484.50	-0.0648484745
ENSG00000116726	0.25	1.00	2.0000000000
ENSG00000116729	4504.25	3748.00	-0.2651659507
ENSG00000116731	1186.50	1232.25	0.0545828805
ENSG00000116741	208.50	215.00	0.0442892761
ENSG00000116747	839.25	914.00	0.1230935334
ENSG00000116750	353.25	320.00	-0.1426176554
ENSG00000116752	421.75	331.75	-0.3462916029
ENSG00000116754	4762.00	4582.00	-0.0555901620
ENSG00000116761	43.25	61.00	0.4961091099
ENSG00000116771	15.25	15.75	0.0465425859
ENSG00000116774	3872.75	3891.00	0.0067826071
ENSG00000116783	12.00	7.00	-0.7776075787
ENSG00000116785	5.00	3.75	-0.4150374993
ENSG00000116786	3784.25	3877.00	0.0349333341
ENSG00000116791	546.50	424.50	-0.3644569421
ENSG00000116793	550.75	607.50	0.1414868188
ENSG00000116809	445.25	381.25	-0.2238782738
ENSG00000116815	71.75	69.75	-0.0407856148
ENSG00000116819	21.00	13.75	-0.6109577093
ENSG00000116824	0.50	0.25	-1.0000000000
ENSG00000116830	393.00	235.25	-0.7403345895
ENSG00000116833	3.00	2.25	-0.4150374993
ENSG00000116852	1.50	2.25	0.5849625007
ENSG00000116857	980.00	764.25	-0.3587371021
ENSG00000116863	392.50	382.25	-0.0381761524
ENSG00000116871	3341.00	3225.75	-0.0506453507
ENSG00000116874	400.00	307.25	-0.3805869894
ENSG00000116885	130.75	90.50	-0.5308212492
ENSG00000116898	674.25	638.25	-0.0791619838
ENSG00000116903	399.00	438.00	0.1345421234
ENSG00000116906	858.50	934.50	0.1223765297
ENSG00000116918	877.25	839.00	-0.0643172320

ENSG00000116922	332.75	319.00	-0.0608822421
ENSG00000116954	1412.50	1485.00	0.0722120635
ENSG00000116957	238.75	194.25	-0.2975861345
ENSG00000116962	5151.00	13298.25	1.3683119598
ENSG00000116977	1382.00	1443.50	0.0628134918
ENSG00000116983	0.25	0.25	0.0000000000
ENSG00000116984	1992.25	1952.00	-0.0294456443
ENSG00000116985	12.75	15.25	0.2583119956
ENSG00000116990	5.00	3.50	-0.5145731728
ENSG00000116991	240.25	26.25	-3.1941471031
ENSG00000117000	625.75	634.75	0.0206021040
ENSG00000117009	11.00	8.50	-0.3719687774
ENSG00000117010	64.75	61.75	-0.0684410561
ENSG00000117013	2.75	6.00	1.1255308821
ENSG00000117016	71.25	62.25	-0.1948161770
ENSG00000117020	1189.25	1347.25	0.1799655614
ENSG00000117036	543.75	548.50	0.0125481248
ENSG00000117054	448.75	475.75	0.0842917176
ENSG00000117069	15.50	11.50	-0.4306343543
ENSG00000117114	2422.25	1792.00	-0.4347771356
ENSG00000117115	6.25	4.50	-0.4739311883
ENSG00000117118	823.00	763.75	-0.1077919557
ENSG00000117122	938.25	512.00	-0.8738285749
ENSG00000117133	380.25	373.00	-0.0277726175
ENSG00000117139	2262.00	1935.50	-0.2248926217
ENSG00000117143	1350.25	1888.00	0.4836322164
ENSG00000117148	11.50	2.00	-2.5235619561
ENSG00000117151	700.25	659.25	-0.0870444122
ENSG00000117152	173.75	66.00	-1.3964750483
ENSG00000117153	907.50	797.50	-0.1864131242
ENSG00000117155	760.75	500.25	-0.6047731666
ENSG00000117174	725.50	743.50	0.0353571280
ENSG00000117215	1.75	1.75	0.0000000000
ENSG00000117222	591.00	454.25	-0.3796716159
ENSG00000117226	613.50	470.25	-0.3836354001
ENSG00000117228	1114.25	1172.00	0.0728996088
ENSG00000117245	33.50	44.00	0.3933424282
ENSG00000117262	404.75	347.75	-0.2189805658
ENSG00000117266	108.25	62.75	-0.7866796608
ENSG00000117280	1044.00	1363.50	0.3851929883
ENSG00000117281	22.50	22.75	0.0159415439
ENSG00000117298	7322.25	7761.25	0.0840019949
ENSG00000117305	723.50	639.25	-0.1786127613

ENSG00000117308	93.25	87.00	-0.1000883244
ENSG00000117318	60.25	61.75	0.0354778954
ENSG00000117322	7.75	6.25	-0.3103401206
ENSG00000117335	5536.50	5044.50	-0.1342629587
ENSG00000117360	603.00	551.25	-0.1294512515
ENSG00000117362	2195.25	2167.00	-0.0186860930
ENSG00000117385	1704.75	1225.75	-0.4758954233
ENSG00000117394	2365.25	3201.25	0.4366426676
ENSG00000117395	570.75	636.50	0.1573015597
ENSG00000117399	36.50	29.50	-0.3071815095
ENSG00000117400	0.50	0.50	0.0000000000
ENSG00000117407	6.75	6.25	-0.1110313124
ENSG00000117408	775.00	801.75	0.0489561383
ENSG00000117410	596.00	714.25	0.2611168005
ENSG00000117411	1273.50	995.25	-0.3556680882
ENSG00000117419	713.75	741.50	0.0550278522
ENSG00000117425	48.50	34.75	-0.4809717695
ENSG00000117448	919.00	756.25	-0.2812016242
ENSG00000117450	4355.00	3847.75	-0.1786576529
ENSG00000117461	359.75	105.75	-1.7663370236
ENSG00000117472	5.25	2.50	-1.0703893279
ENSG00000117475	513.25	532.25	0.0524423223
ENSG00000117477	9.00	6.75	-0.4150374993
ENSG00000117479	179.50	336.00	0.9044773890
ENSG00000117480	28.00	30.50	0.1233824155
ENSG00000117481	326.50	303.75	-0.1041985831
ENSG00000117500	2099.50	2496.50	0.2498611185
ENSG00000117505	1145.00	1105.75	-0.0503223561
ENSG00000117507	6.50	3.50	-0.8930847961
ENSG00000117519	6133.25	7182.00	0.2277338945
ENSG00000117523	6576.50	4862.25	-0.4356959152
ENSG00000117525	478.50	622.75	0.3801341918
ENSG00000117528	1110.75	1006.25	-0.1425453581
ENSG00000117533	1395.75	1212.75	-0.2027583766
ENSG00000117543	428.75	327.50	-0.3886417646
ENSG00000117569	353.25	234.75	-0.5895644027
ENSG00000117586	40.00	41.75	0.0617761976
ENSG00000117592	3345.00	4050.00	0.2759156971
ENSG00000117593	339.00	309.25	-0.1325116782
ENSG00000117594	539.25	1139.25	1.0790581941
ENSG00000117595	59.75	65.00	0.1215010050
ENSG00000117597	631.00	673.50	0.0940379405
ENSG00000117598	2.25	1.00	-1.1699250014

ENSG00000117600	69.25	17.50	-1.9844591491
ENSG00000117601	2.00	2.50	0.3219280949
ENSG00000117602	273.25	409.00	0.5818793473
ENSG00000117614	1208.25	1143.50	-0.0794626290
ENSG00000117616	1479.50	1550.00	0.0671585190
ENSG00000117620	457.00	542.25	0.2467639826
ENSG00000117625	881.75	704.25	-0.3242820121
ENSG00000117632	1380.50	1161.50	-0.2492017338
ENSG00000117640	1390.50	1192.00	-0.2222195089
ENSG00000117643	1200.50	774.00	-0.6332299321
ENSG00000117650	15.75	11.25	-0.4854268272
ENSG00000117676	6.50	6.75	0.0544477840
ENSG00000117682	694.75	715.25	0.0419536631
ENSG00000117691	805.25	715.50	-0.1704849887
ENSG00000117697	431.25	332.75	-0.3740857906
ENSG00000117707	16.50	9.75	-0.7589919005
ENSG00000117713	1722.00	1532.75	-0.1679627381
ENSG00000117724	163.25	107.25	-0.6061053440
ENSG00000117748	643.25	493.50	-0.3823294673
ENSG00000117751	775.75	748.75	-0.0511076939
ENSG00000117758	1346.25	2118.00	0.6537562446
ENSG00000117791	300.00	343.75	0.1963972128
ENSG00000117834	19.25	17.50	-0.1375035237
ENSG00000117859	1497.50	1657.25	0.1462352498
ENSG00000117862	1093.00	1158.75	0.0842759378
ENSG00000117868	4440.75	5736.00	0.3692416696
ENSG00000117877	70.00	96.75	0.4669067392
ENSG00000117899	1628.25	1807.00	0.1502742795
ENSG00000117906	1649.25	1809.00	0.1333823030
ENSG00000117971	6.00	4.25	-0.4974996595
ENSG00000117984	9938.50	8828.50	-0.1708597862
ENSG00000118004	5.25	1.75	-1.5849625007
ENSG00000118007	2021.75	1889.50	-0.0976000929
ENSG00000118017	7.50	4.50	-0.7369655942
ENSG00000118046	1197.75	1030.50	-0.2169823086
ENSG00000118058	3230.25	2473.25	-0.3852377473
ENSG00000118094	2.25	6.50	1.5305147167
ENSG00000118096	466.50	372.50	-0.3246366555
ENSG00000118113	2.75	1.75	-0.6520766966
ENSG00000118137	0.75	0.50	-0.5849625007
ENSG00000118156	6.75	4.00	-0.7548875022
ENSG00000118160	1.00	3.75	1.9068905956
ENSG00000118162	175.50	167.50	-0.0673099350

ENSG00000118181	4379.25	3896.50	-0.1685049955
ENSG00000118193	21.75	18.75	-0.2141248054
ENSG00000118194	2.50	12.00	2.2630344058
ENSG00000118197	224.50	257.50	0.1978569873
ENSG00000118200	1777.50	1626.75	-0.1278570061
ENSG00000118217	1400.75	1367.00	-0.0351862496
ENSG00000118242	98.00	85.50	-0.1968573292
ENSG00000118246	490.50	469.00	-0.0646652137
ENSG00000118257	1473.00	2536.50	0.7840817301
ENSG00000118260	1005.00	644.75	-0.6403837283
ENSG00000118263	543.00	608.50	0.1643050649
ENSG00000118276	59.00	45.00	-0.3907899530
ENSG00000118292	224.50	176.25	-0.3490921875
ENSG00000118298	10.75	12.25	0.1884450894
ENSG00000118307	10.50	11.50	0.1312445333
ENSG00000118308	2.50	1.25	-1.0000000000
ENSG00000118322	13.50	15.00	0.1520030934
ENSG00000118363	1211.50	1276.00	0.0748339243
ENSG00000118369	501.75	376.00	-0.4162360497
ENSG00000118402	119.50	97.00	-0.3009539658
ENSG00000118407	243.75	144.75	-0.7518388706
ENSG00000118412	444.25	388.75	-0.1925291010
ENSG00000118418	678.50	478.00	-0.5053381974
ENSG00000118420	61.50	35.50	-0.7927673858
ENSG00000118454	783.25	850.50	0.1188383713
ENSG00000118473	894.50	887.50	-0.0113343628
ENSG00000118482	2057.50	1717.25	-0.2607923462
ENSG00000118491	0.25	0.25	0.0000000000
ENSG00000118492	14.50	17.25	0.2505434617
ENSG00000118495	1605.25	1331.50	-0.2697455702
ENSG00000118496	908.75	917.50	0.0138246989
ENSG00000118503	319.75	409.25	0.3560380576
ENSG00000118507	82.50	125.00	0.5994620704
ENSG00000118508	839.50	598.75	-0.4875765743
ENSG00000118513	1.25	0.75	-0.7369655942
ENSG00000118514	11.25	7.00	-0.6844981743
ENSG00000118515	2430.25	3266.50	0.4266409081
ENSG00000118518	1147.00	1007.50	-0.1870855526
ENSG00000118523	7214.00	18378.25	1.3491280697
ENSG00000118526	6638.00	8956.50	0.4321864400
ENSG00000118557	7.00	7.50	0.0995356736
ENSG00000118564	987.75	950.00	-0.0562184278
ENSG00000118579	1287.75	1546.00	0.2636877792

ENSG00000118596	1244.00	1375.00	0.1444451332
ENSG00000118600	287.50	276.75	-0.0549786391
ENSG00000118620	114.50	114.00	-0.0063137739
ENSG00000118640	28.50	15.50	-0.8786937038
ENSG00000118655	133.25	154.00	0.2087948179
ENSG00000118680	5155.50	6556.25	0.3467585153
ENSG00000118689	3342.75	7415.75	1.1495571469
ENSG00000118690	58.00	81.00	0.4818690078
ENSG00000118705	5609.25	5329.00	-0.0739430512
ENSG00000118707	318.00	194.00	-0.7129701131
ENSG00000118729	25.50	1.00	-4.6724253420
ENSG00000118762	3020.50	4749.50	0.6529882562
ENSG00000118777	33.75	30.25	-0.1579523598
ENSG00000118785	0.75	2.25	1.5849625007
ENSG00000118804	307.00	408.00	0.4103304966
ENSG00000118816	5176.00	4946.75	-0.0653566272
ENSG00000118849	2906.50	2452.75	-0.2448827159
ENSG00000118855	2627.50	2098.50	-0.3243323010
ENSG00000118873	1485.00	1267.50	-0.2284771838
ENSG00000118894	148.25	130.00	-0.1895204815
ENSG00000118898	5180.50	4432.25	-0.2250520889
ENSG00000118900	1382.75	1354.25	-0.0300462512
ENSG00000118922	926.75	768.50	-0.2701349501
ENSG00000118939	385.75	295.25	-0.3857290972
ENSG00000118960	977.25	1104.75	0.1769203465
ENSG00000118961	385.50	298.00	-0.3714185295
ENSG00000118965	506.75	496.50	-0.0294804659
ENSG00000118971	3976.75	2402.50	-0.7270534384
ENSG00000118972	14.75	13.25	-0.1547225948
ENSG00000118976	0.25	0.50	1.0000000000
ENSG00000118985	6271.00	6806.75	0.1182706035
ENSG00000118997	129.50	66.50	-0.9615258522
ENSG00000119004	728.25	667.75	-0.1251257255
ENSG00000119013	423.25	415.00	-0.0283987317
ENSG00000119041	770.00	632.25	-0.2843633139
ENSG00000119042	346.25	311.00	-0.1548994908
ENSG00000119048	1291.25	1409.00	0.1259032626
ENSG00000119121	13.00	11.50	-0.1768777621
ENSG00000119125	12.00	6.50	-0.8845227826
ENSG00000119138	688.50	2581.00	1.9064015820
ENSG00000119139	2444.75	8409.00	1.7822473023
ENSG00000119147	1.00	2.25	1.1699250014
ENSG00000119185	1764.00	1877.75	0.0901544373

ENSG00000119203	670.00	664.25	-0.0124347729
ENSG00000119227	159.25	195.25	0.2940291759
ENSG00000119231	741.50	674.25	-0.1371630762
ENSG00000119242	293.25	241.25	-0.2816021659
ENSG00000119280	2513.75	3346.75	0.4129196102
ENSG00000119283	6.50	6.00	-0.1154772174
ENSG00000119285	1440.25	1521.00	0.0787008952
ENSG00000119314	732.75	703.75	-0.0582580457
ENSG00000119318	8251.50	10359.75	0.3282608797
ENSG00000119321	1342.75	1264.50	-0.0866236845
ENSG00000119326	1619.50	1691.00	0.0623281916
ENSG00000119328	315.25	284.50	-0.1480677180
ENSG00000119333	394.00	311.50	-0.3389634664
ENSG00000119335	4509.50	4028.50	-0.1627247251
ENSG00000119383	2103.75	1629.00	-0.3689766677
ENSG00000119392	622.25	708.50	0.1872735279
ENSG00000119396	1951.75	1768.50	-0.1422420506
ENSG00000119397	285.50	236.00	-0.2747038860
ENSG00000119401	760.50	738.75	-0.0418620227
ENSG00000119402	2171.50	1960.25	-0.1476542930
ENSG00000119403	740.75	621.00	-0.2543934527
ENSG00000119408	3170.00	2154.75	-0.5569623468
ENSG00000119411	2.25	1.25	-0.8479969066
ENSG00000119414	1102.50	1061.00	-0.0553539995
ENSG00000119421	409.25	409.75	0.0017615326
ENSG00000119431	132.75	105.00	-0.3383225331
ENSG00000119446	484.00	501.50	0.0512426533
ENSG00000119457	1.75	1.00	-0.8073549221
ENSG00000119471	1726.50	1738.75	0.0102001806
ENSG00000119487	2985.50	2998.50	0.0062684041
ENSG00000119508	88.25	359.50	2.0263235872
ENSG00000119509	367.50	326.75	-0.1695570139
ENSG00000119514	632.75	249.00	-1.3454898600
ENSG00000119522	502.75	394.00	-0.3516455468
ENSG00000119523	745.75	895.50	0.2640013597
ENSG00000119535	10.25	25.00	1.2863041852
ENSG00000119537	2311.25	2979.75	0.3665179745
ENSG00000119541	1321.50	1550.50	0.2305571010
ENSG00000119547	2.25	0.75	-1.5849625007
ENSG00000119559	474.50	462.25	-0.0377347676
ENSG00000119574	301.25	292.50	-0.0425246166
ENSG00000119596	2448.75	2207.00	-0.1499588629
ENSG00000119599	227.50	168.75	-0.4309790431

ENSG00000119608	16.75	15.00 -0.1591985948
ENSG00000119616	985.75	844.00 -0.2239788064
ENSG00000119630	1112.00	408.00 -1.4465157308
ENSG00000119632	356.50	287.00 -0.3128513398
ENSG00000119636	192.00	167.25 -0.1991001001
ENSG00000119638	4024.00	3805.50 -0.0805442850
ENSG00000119640	174.75	95.75 -0.8679480635
ENSG00000119650	302.75	321.25 0.0855694944
ENSG00000119655	4605.25	3766.75 -0.2899591919
ENSG00000119661	296.75	307.25 0.0501649807
ENSG00000119669	1523.25	1331.00 -0.1946421691
ENSG00000119673	324.00	541.00 0.7396347809
ENSG00000119681	34904.00	27351.00 -0.3517987974
ENSG00000119682	1222.25	1098.50 -0.1540045356
ENSG00000119684	394.50	332.00 -0.2488420587
ENSG00000119685	497.00	558.25 0.1676654943
ENSG00000119686	60.50	93.00 0.6202955738
ENSG00000119688	677.75	558.00 -0.2804880860
ENSG00000119689	4603.00	4811.75 0.0639872450
ENSG00000119698	50.00	51.25 0.0356239097
ENSG00000119699	248.50	258.25 0.0555224973
ENSG00000119703	39.50	20.00 -0.9818526533
ENSG00000119705	296.25	281.00 -0.0762450236
ENSG00000119707	2982.00	2604.00 -0.1955508091
ENSG00000119711	454.75	852.00 0.9057797926
ENSG00000119714	113.25	13.25 -3.0954467855
ENSG00000119715	1.75	2.75 0.6520766966
ENSG00000119718	655.75	430.25 -0.6079707102
ENSG00000119720	412.25	358.00 -0.2035599062
ENSG00000119723	253.75	209.75 -0.2747370116
ENSG00000119725	706.75	631.25 -0.1629884953
ENSG00000119729	5405.00	5534.00 0.0340280260
ENSG00000119737	16.00	13.50 -0.2451124978
ENSG00000119760	938.50	796.50 -0.2366823833
ENSG00000119771	896.25	1167.75 0.3817583262
ENSG00000119772	505.00	372.25 -0.4400115391
ENSG00000119777	2147.25	2231.50 0.0555236355
ENSG00000119778	282.00	252.75 -0.1579840705
ENSG00000119782	52.25	71.75 0.4575477946
ENSG00000119787	386.00	413.25 0.0984139720
ENSG00000119801	2289.75	2284.50 -0.0033116477
ENSG00000119812	1046.00	1152.00 0.1392578652
ENSG00000119820	1247.75	1433.00 0.1997097058

ENSG00000119844	564.00	492.25	-0.1963039565
ENSG00000119862	42.25	54.50	0.3673048885
ENSG00000119865	641.00	608.75	-0.0744744896
ENSG00000119866	4.00	2.75	-0.5405683814
ENSG00000119878	310.25	283.00	-0.1326291573
ENSG00000119888	0.50	1.50	1.5849625007
ENSG00000119899	1315.25	1719.25	0.3864422955
ENSG00000119900	792.75	1070.25	0.4330099581
ENSG00000119906	1056.25	834.75	-0.3395352480
ENSG00000119912	1101.75	905.50	-0.2830103503
ENSG00000119915	30.00	37.25	0.3122779249
ENSG00000119917	876.50	742.00	-0.2403349041
ENSG00000119922	492.00	271.50	-0.8577061175
ENSG00000119927	396.75	390.50	-0.0229076747
ENSG00000119929	171.25	162.75	-0.0734464447
ENSG00000119938	4464.50	3111.50	-0.5208883641
ENSG00000119943	273.50	188.75	-0.5350641886
ENSG00000119946	56.25	74.50	0.4053873292
ENSG00000119950	1628.75	1647.25	0.0162943480
ENSG00000119953	622.25	639.00	0.0383216060
ENSG00000119965	221.50	152.00	-0.5432353751
ENSG00000119969	106.75	77.25	-0.4666292317
ENSG00000119973	1.25	0.50	-1.3219280949
ENSG00000119977	2635.00	1776.00	-0.5691713802
ENSG00000119979	1480.00	1692.00	0.1931323926
ENSG00000119986	717.00	705.50	-0.0233270361
ENSG00000120008	2071.50	2170.25	0.0671854219
ENSG00000120029	637.75	610.75	-0.0624090353
ENSG00000120049	40.25	21.50	-0.9046521234
ENSG00000120051	15.50	21.25	0.4551946258
ENSG00000120053	377.50	348.75	-0.1142834275
ENSG00000120063	1206.00	1142.50	-0.0780357420
ENSG00000120068	8.50	5.75	-0.5639008852
ENSG00000120071	107.75	80.75	-0.4161537044
ENSG00000120075	108.25	83.75	-0.3702059294
ENSG00000120093	1254.75	1044.50	-0.2645874537
ENSG00000120129	843.50	5737.25	2.7658994110
ENSG00000120137	1446.50	1156.75	-0.3224892244
ENSG00000120149	213.75	102.50	-1.0603005103
ENSG00000120156	260.50	189.00	-0.4628971381
ENSG00000120158	111.50	98.50	-0.1788480805
ENSG00000120159	296.00	212.75	-0.4764380439
ENSG00000120162	24.00	87.75	1.8703647196

ENSG00000120210	3.00	5.50	0.8744691179
ENSG00000120211	1.50	0.50	-1.5849625007
ENSG00000120215	9.50	15.50	0.7062687969
ENSG00000120217	148.50	86.00	-0.7880543661
ENSG00000120242	0.25	0.25	0.0000000000
ENSG00000120251	1.25	2.25	0.8479969066
ENSG00000120253	502.50	436.25	-0.2039684650
ENSG00000120254	1824.50	1222.25	-0.5779617456
ENSG00000120256	1251.00	944.00	-0.4062230248
ENSG00000120262	106.75	136.50	0.3546648813
ENSG00000120265	995.00	1098.25	0.1424380687
ENSG00000120278	583.50	413.00	-0.4985908743
ENSG00000120279	4.50	2.25	-1.0000000000
ENSG00000120280	1.25	1.50	0.2630344058
ENSG00000120306	497.50	541.00	0.1209320684
ENSG00000120314	622.75	597.75	-0.0591108915
ENSG00000120318	384.00	241.25	-0.6705773686
ENSG00000120322	43.25	28.00	-0.6272733056
ENSG00000120324	90.50	69.50	-0.3809048144
ENSG00000120327	133.75	102.25	-0.3874380483
ENSG00000120328	20.00	14.25	-0.4890380807
ENSG00000120332	0.75	0.50	-0.5849625007
ENSG00000120333	438.25	411.25	-0.0917384121
ENSG00000120334	115.75	92.00	-0.3313064272
ENSG00000120337	1.75	1.50	-0.2223924213
ENSG00000120341	327.50	146.75	-1.1581344033
ENSG00000120370	430.00	271.25	-0.6647135223
ENSG00000120437	199.00	199.50	0.0036203157
ENSG00000120438	2855.00	2772.25	-0.0424333808
ENSG00000120451	3471.75	3425.00	-0.0195590753
ENSG00000120457	13.50	8.25	-0.7104933828
ENSG00000120458	221.00	179.00	-0.3040867821
ENSG00000120498	0.75	0.75	0.0000000000
ENSG00000120500	10.00	7.00	-0.5145731728
ENSG00000120509	625.50	529.50	-0.2403792002
ENSG00000120519	139.25	115.00	-0.2760434664
ENSG00000120526	204.75	301.50	0.5582945503
ENSG00000120533	714.75	694.00	-0.0425030521
ENSG00000120539	238.75	223.50	-0.0952259017
ENSG00000120549	68.00	39.75	-0.7745798860
ENSG00000120555	1.50	1.50	0.0000000000
ENSG00000120594	774.00	1359.25	0.8124053567
ENSG00000120616	560.75	443.25	-0.3392370842

ENSG00000120645	15.25	13.25 -0.2028168830
ENSG00000120647	160.25	134.75 -0.2500390839
ENSG00000120656	532.75	436.00 -0.2891305530
ENSG00000120658	260.00	255.50 -0.0251883321
ENSG00000120662	138.25	146.75 0.0860810229
ENSG00000120669	29.75	17.50 -0.7655347464
ENSG00000120675	628.50	743.50 0.2424199976
ENSG00000120685	539.75	504.25 -0.0981521594
ENSG00000120686	2002.25	1930.75 -0.0524607483
ENSG00000120688	372.00	443.00 0.2520040774
ENSG00000120690	1089.50	1774.50 0.7037463779
ENSG00000120693	508.75	438.75 -0.2135577640
ENSG00000120694	1435.25	1184.50 -0.2770238570
ENSG00000120696	198.00	131.00 -0.5959336185
ENSG00000120697	455.50	522.00 0.1965987528
ENSG00000120699	246.75	230.00 -0.1014162235
ENSG00000120705	2954.00	3101.75 0.0704125842
ENSG00000120708	13818.25	10439.25 -0.4045568522
ENSG00000120709	1391.25	1209.25 -0.2022691498
ENSG00000120725	1193.75	1014.00 -0.2354430808
ENSG00000120727	1183.00	1246.00 0.0748539947
ENSG00000120729	3.00	3.25 0.1154772174
ENSG00000120733	2005.25	1978.00 -0.0197396865
ENSG00000120738	912.50	542.25 -0.7508664110
ENSG00000120742	2094.50	1840.75 -0.1863121827
ENSG00000120756	16.50	5.50 -1.5849625007
ENSG00000120784	215.00	223.25 0.0543235155
ENSG00000120798	529.50	464.50 -0.1889520876
ENSG00000120800	724.00	994.75 0.4583442966
ENSG00000120802	680.25	420.00 -0.6956757236
ENSG00000120805	2668.50	1994.50 -0.4200018879
ENSG00000120820	1184.25	800.00 -0.5659017668
ENSG00000120832	269.75	379.00 0.4905748887
ENSG00000120833	114.25	88.75 -0.3643751407
ENSG00000120837	1364.75	2215.00 0.6986700017
ENSG00000120860	936.25	793.50 -0.2386635905
ENSG00000120868	575.00	575.75 0.0018805500
ENSG00000120875	6.00	5.00 -0.2630344058
ENSG00000120885	16895.25	13200.25 -0.3560524452
ENSG00000120889	2982.75	2226.75 -0.4217034688
ENSG00000120896	3213.00	3944.25 0.2958300167
ENSG00000120899	274.00	516.25 0.9138939833
ENSG00000120903	0.75	0.50 -0.5849625007

ENSG00000120907	3.75	5.50	0.5525410230
ENSG00000120910	355.75	392.25	0.1409096904
ENSG00000120913	2819.00	2852.50	0.0170434086
ENSG00000120915	59.75	34.75	-0.7819257353
ENSG00000120925	649.00	616.75	-0.0735326677
ENSG00000120942	240.00	348.75	0.5391588111
ENSG00000120948	3038.75	2368.75	-0.3593520450
ENSG00000120949	1.25	1.25	0.0000000000
ENSG00000120963	822.50	670.25	-0.2953163646
ENSG00000120992	467.75	487.25	0.0589245320
ENSG00000121005	10.25	9.75	-0.0721497858
ENSG00000121022	982.25	856.25	-0.1980581797
ENSG00000121039	8863.75	7650.00	-0.2124574433
ENSG00000121053	2.00	1.75	-0.1926450779
ENSG00000121057	429.75	391.75	-0.1335643650
ENSG00000121058	282.25	270.00	-0.0640141737
ENSG00000121060	1927.25	1609.00	-0.2603794020
ENSG00000121064	2939.50	2522.75	-0.2205735330
ENSG00000121067	987.50	881.25	-0.1642293958
ENSG00000121068	3047.25	3491.75	0.1964424043
ENSG00000121073	505.25	522.25	0.0477431707
ENSG00000121075	703.75	620.75	-0.1810506608
ENSG00000121089	4.25	1.50	-1.5025003405
ENSG00000121101	5.50	9.00	0.7104933828
ENSG00000121104	212.00	142.00	-0.5781733351
ENSG00000121152	11.50	13.00	0.1768777621
ENSG00000121207	29.00	18.75	-0.6291623046
ENSG00000121210	587.75	340.00	-0.7896678875
ENSG00000121211	5.00	4.00	-0.3219280949
ENSG00000121236	210.50	146.25	-0.5253836086
ENSG00000121270	8.00	6.50	-0.2995602819
ENSG00000121274	334.25	346.25	0.0508865108
ENSG00000121281	243.75	237.25	-0.0389941316
ENSG00000121289	614.25	592.00	-0.0532287767
ENSG00000121297	1022.50	790.75	-0.3708072873
ENSG00000121310	1052.00	794.75	-0.4045616882
ENSG00000121316	48.25	34.25	-0.4944249543
ENSG00000121318	1.75	1.00	-0.8073549221
ENSG00000121335	1.50	1.25	-0.2630344058
ENSG00000121350	331.75	331.75	0.0000000000
ENSG00000121351	1.75	1.25	-0.4854268272
ENSG00000121361	177.00	258.25	0.5450189888
ENSG00000121380	1.75	1.00	-0.8073549221

ENSG00000121390	669.75	649.50 -0.0442931504
ENSG00000121406	186.00	136.00 -0.4516959699
ENSG00000121410	171.25	188.50 0.1384605354
ENSG00000121413	790.25	728.50 -0.1173801578
ENSG00000121417	247.75	157.25 -0.6558250403
ENSG00000121440	2946.00	2500.75 -0.2363965919
ENSG00000121446	3.00	3.25 0.1154772174
ENSG00000121454	108.50	66.00 -0.7171571131
ENSG00000121481	404.25	317.50 -0.3484911818
ENSG00000121486	628.50	449.75 -0.4827894632
ENSG00000121542	355.00	294.25 -0.2707766094
ENSG00000121552	83.00	48.75 -0.7677091176
ENSG00000121570	17.75	13.25 -0.4218266649
ENSG00000121577	20.25	14.75 -0.4572069535
ENSG00000121578	514.50	561.75 0.1267571423
ENSG00000121579	2723.75	2630.00 -0.0505314918
ENSG00000121594	1.25	0.50 -1.3219280949
ENSG00000121621	51.00	19.25 -1.4056388013
ENSG00000121644	1419.00	1567.50 0.1435908536
ENSG00000121653	321.75	213.25 -0.5933944069
ENSG00000121671	663.00	490.50 -0.4347557339
ENSG00000121680	257.25	285.75 0.1515824213
ENSG00000121690	117.75	68.75 -0.7762954412
ENSG00000121691	1653.25	2528.00 0.6126915619
ENSG00000121716	330.25	365.75 0.1472993029
ENSG00000121741	1686.00	1560.25 -0.1118273246
ENSG00000121743	152.50	65.75 -1.2137464432
ENSG00000121749	1109.00	985.00 -0.1710637358
ENSG00000121753	672.75	392.75 -0.7764592103
ENSG00000121766	604.75	489.00 -0.3065043990
ENSG00000121769	108.50	63.50 -0.7728665457
ENSG00000121774	2230.50	1800.75 -0.3087692438
ENSG00000121775	281.25	231.00 -0.2839602447
ENSG00000121851	548.75	579.50 0.0786596266
ENSG00000121858	344.25	149.25 -1.2057257229
ENSG00000121864	448.50	401.75 -0.1588099612
ENSG00000121879	997.25	1345.50 0.4321152676
ENSG00000121892	2501.75	2592.75 0.0515454762
ENSG00000121895	6.75	2.25 -1.5849625007
ENSG00000121897	139.25	107.00 -0.3800665309
ENSG00000121898	2941.50	2481.00 -0.2456303010
ENSG00000121900	439.00	329.50 -0.4139424745
ENSG00000121903	146.00	138.00 -0.0813001021

ENSG00000121904	808.00	1085.75	0.4262647547
ENSG00000121905	3.75	2.00	-0.9068905956
ENSG00000121931	256.50	250.00	-0.0370307309
ENSG00000121933	1.25	0.75	-0.7369655942
ENSG00000121940	979.75	975.00	-0.0070114490
ENSG00000121957	519.25	656.50	0.3383657000
ENSG00000121964	400.25	445.50	0.1545240290
ENSG00000121988	139.00	94.00	-0.5643522210
ENSG00000121989	264.25	219.75	-0.2660403062
ENSG00000122008	692.25	676.75	-0.0326701662
ENSG00000122012	4.25	1.50	-1.5025003405
ENSG00000122026	9642.75	8277.75	-0.2202059672
ENSG00000122033	501.75	399.75	-0.3278706779
ENSG00000122034	753.25	727.00	-0.0511734037
ENSG00000122035	340.75	1356.75	1.9933693465
ENSG00000122042	1185.75	1052.50	-0.1719796351
ENSG00000122068	1455.75	1223.75	-0.2504537589
ENSG00000122085	610.50	406.50	-0.5867359429
ENSG00000122121	363.25	371.75	0.0333699444
ENSG00000122126	1336.50	1286.50	-0.0550083805
ENSG00000122133	0.75	1.75	1.2223924213
ENSG00000122140	521.00	470.75	-0.1463222777
ENSG00000122176	16590.25	13789.00	-0.2668177924
ENSG00000122188	5.00	6.25	0.3219280949
ENSG00000122194	17.75	14.00	-0.3423921974
ENSG00000122203	2610.00	2643.00	0.0181266182
ENSG00000122218	7728.00	6927.75	-0.1577082253
ENSG00000122224	7.50	7.25	-0.0489096005
ENSG00000122254	1.25	2.00	0.6780719051
ENSG00000122257	1310.25	1217.25	-0.1062166084
ENSG00000122299	1317.00	1692.50	0.3619004882
ENSG00000122335	1159.25	860.75	-0.4295255458
ENSG00000122359	7458.50	8411.50	0.1734775801
ENSG00000122367	10.75	15.25	0.5044725829
ENSG00000122376	373.50	462.50	0.3083451226
ENSG00000122378	105.25	108.25	0.0405467917
ENSG00000122386	209.50	163.50	-0.3576596082
ENSG00000122390	745.50	562.50	-0.4063552562
ENSG00000122406	13504.25	12348.25	-0.1291069207
ENSG00000122417	659.25	520.00	-0.3423140428
ENSG00000122420	2376.25	1370.00	-0.7945107337
ENSG00000122432	12.50	12.75	0.0285691522
ENSG00000122435	302.00	240.50	-0.3285116556

ENSG00000122477	20.25	21.25	0.0695409333
ENSG00000122481	182.25	187.75	0.0428940932
ENSG00000122482	691.25	651.00	-0.0865500320
ENSG00000122483	107.75	109.00	0.0166402657
ENSG00000122484	920.00	863.50	-0.0914376834
ENSG00000122490	679.00	828.50	0.2870901230
ENSG00000122507	667.75	462.00	-0.5314152192
ENSG00000122512	300.75	244.75	-0.2972558776
ENSG00000122515	1135.75	1028.75	-0.1427528747
ENSG00000122543	2.00	1.00	-1.0000000000
ENSG00000122545	8629.50	9080.75	0.0735344870
ENSG00000122547	236.50	199.75	-0.2436446804
ENSG00000122550	827.50	719.75	-0.2012634281
ENSG00000122557	831.50	873.75	0.0715042870
ENSG00000122565	2191.25	2032.75	-0.1083212963
ENSG00000122566	7910.50	8374.00	0.0821480319
ENSG00000122574	4.50	4.25	-0.0824621602
ENSG00000122591	3827.75	4182.00	0.1276964551
ENSG00000122592	0.75	3.25	2.1154772174
ENSG00000122641	642.50	1294.25	1.0103479588
ENSG00000122642	7250.75	6438.00	-0.1715176549
ENSG00000122643	254.00	243.75	-0.0594262781
ENSG00000122644	221.50	187.50	-0.2404161032
ENSG00000122674	1056.25	1097.75	0.0555981931
ENSG00000122678	385.50	416.00	0.1098526682
ENSG00000122679	16.00	1.50	-3.4150374993
ENSG00000122687	361.00	306.00	-0.2384671842
ENSG00000122691	504.00	398.25	-0.3397493720
ENSG00000122692	1326.25	1192.25	-0.1536659684
ENSG00000122694	1399.00	1083.25	-0.3690297259
ENSG00000122696	281.00	279.50	-0.0077218474
ENSG00000122705	2523.50	2143.25	-0.2356259432
ENSG00000122707	13311.00	10179.50	-0.3869522586
ENSG00000122711	0.25	0.25	0.0000000000
ENSG00000122728	1.00	1.25	0.3219280949
ENSG00000122729	3281.00	3140.50	-0.0631413245
ENSG00000122733	17.75	4.75	-1.9018196061
ENSG00000122735	2.00	0.50	-2.0000000000
ENSG00000122741	1081.75	1030.50	-0.0700226159
ENSG00000122756	0.75	0.25	-1.5849625007
ENSG00000122778	328.00	245.25	-0.4194426784
ENSG00000122779	329.50	245.00	-0.4274967160
ENSG00000122783	665.25	686.00	0.0443119712

ENSG00000122786	18673.00	29541.50	0.6617893530
ENSG00000122787	2.75	2.75	0.0000000000
ENSG00000122824	7.75	10.25	0.4033556942
ENSG00000122861	1078.25	633.50	-0.7672751916
ENSG00000122862	219.75	220.50	0.0049154904
ENSG00000122863	796.25	1284.50	0.6899135178
ENSG00000122870	4299.50	3821.75	-0.1699354874
ENSG00000122872	0.25	0.25	0.0000000000
ENSG00000122873	268.25	214.25	-0.3242829666
ENSG00000122877	31.50	3.75	-3.0703893279
ENSG00000122882	507.00	440.50	-0.2028437281
ENSG00000122884	3202.75	2419.50	-0.4046022495
ENSG00000122912	363.25	299.50	-0.2784067948
ENSG00000122952	79.25	71.75	-0.1434321035
ENSG00000122958	1399.00	1377.50	-0.0223436437
ENSG00000122965	669.75	704.25	0.0724649825
ENSG00000122966	499.00	142.25	-1.8106111630
ENSG00000122970	500.00	667.50	0.4168397419
ENSG00000122971	376.00	654.50	0.7996605303
ENSG00000122986	98.00	89.00	-0.1389764131
ENSG00000123064	853.50	815.00	-0.0665910939
ENSG00000123066	3305.50	3432.75	0.0544962780
ENSG00000123080	533.50	451.50	-0.2407622833
ENSG00000123091	2672.00	2376.00	-0.1693851717
ENSG00000123094	1052.25	1650.50	0.6494256289
ENSG00000123095	110.50	96.75	-0.1917128032
ENSG00000123096	734.50	782.25	0.0908672627
ENSG00000123104	170.50	302.25	0.8259706002
ENSG00000123106	457.25	418.75	-0.1268939795
ENSG00000123119	82.25	90.50	0.1379021133
ENSG00000123124	946.25	831.00	-0.1873729181
ENSG00000123130	849.75	997.75	0.2316399170
ENSG00000123131	1625.25	1508.25	-0.1077860718
ENSG00000123136	352.50	377.00	0.0969412660
ENSG00000123143	2812.75	2757.25	-0.0287512477
ENSG00000123144	1521.50	1566.25	0.0418201757
ENSG00000123146	635.00	738.50	0.2178413291
ENSG00000123154	129.50	165.50	0.3538791191
ENSG00000123159	1186.50	1300.50	0.1323542987
ENSG00000123178	163.25	229.00	0.4882646066
ENSG00000123179	311.00	414.25	0.4135871171
ENSG00000123191	107.50	100.25	-0.1007344231
ENSG00000123200	3194.75	2953.25	-0.1133995504

ENSG00000123213	429.25	667.75	0.6374899366
ENSG00000123219	52.25	43.00	-0.2810943774
ENSG00000123240	5663.00	4728.00	-0.2603364943
ENSG00000123243	18747.75	8328.50	-1.1705888735
ENSG00000123268	495.50	393.50	-0.3325214217
ENSG00000123297	289.75	295.25	0.0271283984
ENSG00000123329	1.75	1.75	0.0000000000
ENSG00000123338	29.00	14.25	-1.0250909810
ENSG00000123342	593.00	702.00	0.2434389258
ENSG00000123349	4458.25	3876.50	-0.2017228542
ENSG00000123352	823.00	509.50	-0.6918102843
ENSG00000123353	204.75	245.75	0.2633279647
ENSG00000123358	148.00	379.00	1.3566006725
ENSG00000123360	5.75	3.50	-0.7162070340
ENSG00000123374	328.75	395.00	0.2648617589
ENSG00000123384	95099.00	81109.75	-0.2295548231
ENSG00000123395	580.75	649.50	0.1614122766
ENSG00000123405	23.25	3.75	-2.6322682155
ENSG00000123411	310.50	188.00	-0.7238606065
ENSG00000123415	288.00	249.00	-0.2099230694
ENSG00000123416	11147.50	6203.00	-0.8456821696
ENSG00000123427	171.75	169.00	-0.0232868525
ENSG00000123444	459.25	388.50	-0.2413651227
ENSG00000123453	40.75	29.50	-0.4660851049
ENSG00000123454	2.25	1.75	-0.3625700794
ENSG00000123472	860.50	761.25	-0.1768048692
ENSG00000123473	120.25	118.75	-0.0181093806
ENSG00000123485	22.00	39.25	0.8351891303
ENSG00000123496	260.50	192.25	-0.4382997743
ENSG00000123500	33.50	29.25	-0.1957244709
ENSG00000123505	554.00	578.75	0.0630543121
ENSG00000123545	141.00	153.75	0.1248912478
ENSG00000123552	268.25	265.00	-0.0175858113
ENSG00000123560	12.25	6.25	-0.9708536543
ENSG00000123562	3572.00	6615.00	0.8890090760
ENSG00000123570	72.00	48.75	-0.5625946877
ENSG00000123572	63.50	138.00	1.1198397700
ENSG00000123575	666.75	697.00	0.0640127363
ENSG00000123595	580.00	561.25	-0.0474093604
ENSG00000123600	621.25	494.25	-0.3299329807
ENSG00000123607	433.00	468.25	0.1129119695
ENSG00000123609	280.50	194.25	-0.5300861722
ENSG00000123610	585.25	104.00	-2.4924695010

ENSG00000123612	35.25	11.00	-1.6801197338
ENSG00000123636	878.00	624.50	-0.4915193679
ENSG00000123643	604.25	1065.50	0.8183131200
ENSG00000123684	1060.25	1089.25	0.0389306303
ENSG00000123685	18.75	66.75	1.8318772412
ENSG00000123689	80.25	12.00	-2.7414669864
ENSG00000123700	980.75	810.75	-0.2746283116
ENSG00000123728	637.00	578.25	-0.1396000116
ENSG00000123737	408.00	615.75	0.5937755705
ENSG00000123739	744.50	520.50	-0.5163736853
ENSG00000123810	59.00	46.00	-0.3590810933
ENSG00000123815	445.25	360.50	-0.3046163519
ENSG00000123836	360.50	321.75	-0.1640591110
ENSG00000123838	4.75	4.50	-0.0780025120
ENSG00000123843	32.50	44.25	0.4452377371
ENSG00000123870	40.50	40.25	-0.0089331248
ENSG00000123892	37.75	32.75	-0.2049817378
ENSG00000123901	7.50	5.75	-0.3833286396
ENSG00000123908	1539.00	1926.50	0.3239889543
ENSG00000123933	4091.00	3142.50	-0.3805407926
ENSG00000123965	12.50	12.25	-0.0291463457
ENSG00000123975	263.50	251.50	-0.0672445618
ENSG00000123977	4.00	5.50	0.4594316186
ENSG00000123983	3275.50	2251.50	-0.5408286709
ENSG00000123989	2946.00	3311.25	0.1686185082
ENSG00000123992	1884.50	1673.75	-0.1710977395
ENSG00000123999	14.50	21.75	0.5849625007
ENSG00000124003	0.50	0.25	-1.0000000000
ENSG00000124006	1493.75	1819.75	0.2848015513
ENSG00000124019	2.75	3.00	0.1255308821
ENSG00000124067	1916.25	1906.75	-0.0071700921
ENSG00000124074	269.00	258.50	-0.0574418922
ENSG00000124091	7.00	4.25	-0.7198920808
ENSG00000124092	12.00	10.00	-0.2630344058
ENSG00000124097	1.00	0.25	-2.0000000000
ENSG00000124098	2966.00	2684.75	-0.1437308450
ENSG00000124102	0.25	0.25	0.0000000000
ENSG00000124103	3.75	1.75	-1.0995356736
ENSG00000124104	1462.00	766.75	-0.9311151447
ENSG00000124107	14.50	12.00	-0.2730184944
ENSG00000124116	16.75	12.50	-0.4222330007
ENSG00000124120	897.50	941.50	0.0690491559
ENSG00000124126	276.00	145.25	-0.9261301034

ENSG00000124134	50.50	8.75	-2.5289284658
ENSG00000124140	8.75	10.00	0.1926450779
ENSG00000124145	6709.25	4682.25	-0.5189495359
ENSG00000124151	979.50	2258.25	1.2050878112
ENSG00000124155	5377.25	4708.50	-0.1916010175
ENSG00000124159	3.50	1.25	-1.4854268272
ENSG00000124160	725.00	672.25	-0.1089831450
ENSG00000124164	1228.50	1331.00	0.1156127135
ENSG00000124171	20.75	28.00	0.4323154907
ENSG00000124172	2504.25	2404.75	-0.0584916762
ENSG00000124177	1767.00	1413.25	-0.3222853429
ENSG00000124181	1712.00	1528.75	-0.1633302030
ENSG00000124191	257.25	198.00	-0.3776706468
ENSG00000124193	3151.25	2550.00	-0.3054269660
ENSG00000124194	2.50	0.50	-2.3219280949
ENSG00000124198	1551.50	1805.00	0.2183351402
ENSG00000124201	3308.50	3063.50	-0.1109964282
ENSG00000124207	1396.00	1188.50	-0.2321570383
ENSG00000124208	220.50	264.50	0.2624890666
ENSG00000124209	1285.25	1208.25	-0.0891300173
ENSG00000124212	12940.75	6890.00	-0.9093453452
ENSG00000124214	3248.00	2740.25	-0.2452441126
ENSG00000124215	4.50	10.25	1.1876270032
ENSG00000124216	84.50	53.50	-0.6594124499
ENSG00000124217	210.75	188.75	-0.1590559867
ENSG00000124222	2007.00	1638.75	-0.2924448363
ENSG00000124224	286.00	198.75	-0.5250602866
ENSG00000124225	211.50	116.25	-0.8634269471
ENSG00000124226	2011.50	1245.00	-0.6921259957
ENSG00000124228	918.00	948.25	0.0467733129
ENSG00000124243	425.50	324.50	-0.3909406537
ENSG00000124249	334.25	111.25	-1.5871222242
ENSG00000124251	12.75	13.00	0.0280143762
ENSG00000124253	1.50	3.50	1.2223924213
ENSG00000124256	7.50	9.25	0.3025627700
ENSG00000124257	79.75	56.75	-0.4908641265
ENSG00000124260	4.75	4.75	0.0000000000
ENSG00000124275	585.50	648.25	0.1468811304
ENSG00000124279	122.50	102.75	-0.2536433553
ENSG00000124299	1808.75	1550.75	-0.2220268918
ENSG00000124313	320.25	349.50	0.1260938850
ENSG00000124333	1006.25	927.00	-0.1183475393
ENSG00000124334	1.00	1.50	0.5849625007

ENSG00000124343	1186.75	1169.00	-0.0217411199
ENSG00000124356	683.50	594.50	-0.2012645279
ENSG00000124357	1482.75	1092.50	-0.4406420921
ENSG00000124370	187.25	127.25	-0.5573000624
ENSG00000124374	22.25	41.00	0.8818185737
ENSG00000124380	553.75	529.00	-0.0659670713
ENSG00000124383	573.50	463.50	-0.3072241474
ENSG00000124391	0.25	0.25	0.0000000000
ENSG00000124406	40.75	21.75	-0.9057846584
ENSG00000124422	6252.00	4371.75	-0.5161068760
ENSG00000124429	0.50	0.50	0.0000000000
ENSG00000124440	94.00	324.25	1.7863739126
ENSG00000124444	193.25	155.25	-0.3158751457
ENSG00000124449	0.25	0.75	1.5849625007
ENSG00000124459	311.00	231.75	-0.4243452415
ENSG00000124466	31.75	10.75	-1.5624199321
ENSG00000124467	8.25	5.00	-0.7224660245
ENSG00000124469	5.75	2.00	-1.5235619561
ENSG00000124486	5096.75	6067.75	0.2515840562
ENSG00000124493	7.25	3.75	-0.9510903995
ENSG00000124496	657.50	354.75	-0.8901882101
ENSG00000124507	3.00	3.00	0.0000000000
ENSG00000124508	285.75	201.00	-0.5075579970
ENSG00000124523	221.50	211.00	-0.0700636998
ENSG00000124532	354.25	329.75	-0.1033951937
ENSG00000124535	777.75	795.00	0.0316483706
ENSG00000124541	512.75	478.50	-0.0997366620
ENSG00000124549	163.50	135.00	-0.2763312284
ENSG00000124557	0.25	1.25	2.3219280949
ENSG00000124562	728.50	694.75	-0.0684350429
ENSG00000124570	1862.25	1490.50	-0.3212503869
ENSG00000124571	637.25	581.50	-0.1320802765
ENSG00000124574	569.25	520.00	-0.1305507631
ENSG00000124575	1.00	1.00	0.0000000000
ENSG00000124587	673.75	682.00	0.0175583714
ENSG00000124588	408.25	327.50	-0.3179579791
ENSG00000124593	109.75	115.25	0.0705458109
ENSG00000124596	361.75	348.25	-0.0548696639
ENSG00000124602	5.25	3.75	-0.4854268272
ENSG00000124608	512.25	289.50	-0.8232847310
ENSG00000124613	149.25	107.50	-0.4733942717
ENSG00000124614	9240.00	8435.75	-0.1313765113
ENSG00000124615	472.25	627.25	0.4094897690

ENSG00000124635	35.75	37.25	0.0592971837
ENSG00000124641	386.00	356.00	-0.1167236063
ENSG00000124657	0.25	0.50	1.0000000000
ENSG00000124659	474.00	509.25	0.1034870161
ENSG00000124678	2.50	1.75	-0.5145731728
ENSG00000124688	280.25	289.00	0.0443551197
ENSG00000124701	0.75	1.00	0.4150374993
ENSG00000124702	874.25	1229.25	0.4916605591
ENSG00000124713	5.75	5.50	-0.0641303374
ENSG00000124721	0.75	0.50	-0.5849625007
ENSG00000124731	0.50	1.75	1.8073549221
ENSG00000124733	890.25	737.75	-0.2710785149
ENSG00000124743	2.75	2.50	-0.1375035237
ENSG00000124749	135.75	77.25	-0.8133453599
ENSG00000124762	11485.50	5408.75	-1.0864465424
ENSG00000124766	2307.25	447.50	-2.3662147469
ENSG00000124767	1615.25	1619.00	0.0033455106
ENSG00000124772	9.50	25.75	1.4385730137
ENSG00000124782	665.50	605.00	-0.1375035237
ENSG00000124783	3202.25	2754.75	-0.2171645468
ENSG00000124784	337.50	313.75	-0.1052720431
ENSG00000124785	13.75	8.50	-0.6938968723
ENSG00000124786	665.25	674.75	0.0204564664
ENSG00000124787	70.50	57.50	-0.2940613015
ENSG00000124788	1619.25	1249.25	-0.3742635260
ENSG00000124789	1189.75	1130.25	-0.0740165368
ENSG00000124795	2851.50	2966.00	0.0567975651
ENSG00000124802	143.00	156.25	0.1278410428
ENSG00000124813	156.75	151.25	-0.0515303006
ENSG00000124831	1880.25	2408.00	0.3569108952
ENSG00000124839	5.50	12.50	1.1844245711
ENSG00000124875	26.00	34.50	0.4080847386
ENSG00000124882	14.25	14.00	-0.0255350921
ENSG00000124920	17.50	26.25	0.5849625007
ENSG00000124942	91535.25	105721.25	0.2078660541
ENSG00000125037	1204.25	1317.50	0.1296680379
ENSG00000125046	22.75	12.00	-0.9228321395
ENSG00000125089	8.25	7.25	-0.1864131242
ENSG00000125107	4152.75	3785.25	-0.1336784352
ENSG00000125122	47.50	38.75	-0.2937312031
ENSG00000125124	1289.50	861.50	-0.5818890716
ENSG00000125144	6.25	28.75	2.2016338612
ENSG00000125148	1405.25	5970.25	2.0869645297

ENSG00000125149	367.00	324.00	-0.1797862500
ENSG00000125166	882.00	784.25	-0.1694650317
ENSG00000125170	459.00	468.00	0.0280143762
ENSG00000125246	30.25	38.00	0.3290642762
ENSG00000125247	358.00	235.75	-0.6027018166
ENSG00000125249	802.00	767.00	-0.0643756590
ENSG00000125255	0.25	0.25	0.0000000000
ENSG00000125257	1177.75	1557.25	0.4029672404
ENSG00000125266	1115.25	1283.00	0.2021540223
ENSG00000125304	3064.75	3062.25	-0.0011773259
ENSG00000125319	28.50	24.00	-0.2479275134
ENSG00000125337	1.25	1.50	0.2630344058
ENSG00000125347	638.25	388.00	-0.7180649802
ENSG00000125351	300.25	300.00	-0.0012017452
ENSG00000125352	171.75	174.50	0.0229169374
ENSG00000125354	271.00	230.00	-0.2366589904
ENSG00000125355	7.75	5.25	-0.5618788876
ENSG00000125356	686.25	733.75	0.0965543541
ENSG00000125375	474.50	546.00	0.2024928639
ENSG00000125378	2777.00	2727.25	-0.0260802227
ENSG00000125384	273.25	311.25	0.1878523413
ENSG00000125386	737.50	684.00	-0.1086467243
ENSG00000125388	155.00	125.00	-0.3103401206
ENSG00000125398	846.50	308.50	-1.4562395787
ENSG00000125409	12.50	6.25	-1.0000000000
ENSG00000125414	0.25	1.00	2.0000000000
ENSG00000125430	244.00	428.25	0.8115720985
ENSG00000125434	106.50	90.00	-0.2428565239
ENSG00000125445	450.50	427.25	-0.0764466141
ENSG00000125447	602.75	647.75	0.1038773646
ENSG00000125449	176.00	176.75	0.0061347862
ENSG00000125450	422.25	459.25	0.1211822983
ENSG00000125454	74.50	98.00	0.3955413237
ENSG00000125457	160.50	179.00	0.1573862901
ENSG00000125458	305.50	313.75	0.0384430790
ENSG00000125459	371.00	299.75	-0.3076594332
ENSG00000125462	6.50	6.00	-0.1154772174
ENSG00000125482	325.50	256.50	-0.3436987176
ENSG00000125484	1072.75	935.25	-0.1978899352
ENSG00000125485	193.75	199.25	0.0403834138
ENSG00000125492	0.25	0.50	1.0000000000
ENSG00000125503	2181.00	3154.00	0.5321928901
ENSG00000125505	887.50	839.75	-0.0797872290

ENSG00000125508	1.50	2.00	0.4150374993
ENSG00000125510	66.75	46.50	-0.5215371206
ENSG00000125520	1254.25	808.00	-0.6343977400
ENSG00000125531	17.00	10.00	-0.7655347464
ENSG00000125534	2364.75	2031.25	-0.2193198577
ENSG00000125538	1.50	0.50	-1.5849625007
ENSG00000125551	24.00	30.25	0.3339007366
ENSG00000125611	185.00	154.00	-0.2645949198
ENSG00000125618	44.50	34.25	-0.3777013480
ENSG00000125629	410.00	482.75	0.2356523494
ENSG00000125630	301.50	284.25	-0.0849976530
ENSG00000125631	1.25	1.25	0.0000000000
ENSG00000125633	1947.00	1499.75	-0.3765308526
ENSG00000125637	119.25	75.50	-0.6594407167
ENSG00000125648	1714.00	1524.25	-0.1692675635
ENSG00000125650	53.25	66.50	0.3205728153
ENSG00000125651	1631.75	1380.50	-0.2412291514
ENSG00000125652	256.75	264.25	0.0415391951
ENSG00000125656	490.25	489.50	-0.0022087706
ENSG00000125657	22.25	6.50	-1.7752937128
ENSG00000125675	548.50	328.50	-0.7395982501
ENSG00000125676	1653.00	2206.50	0.4166730227
ENSG00000125686	1426.75	1357.50	-0.0717803650
ENSG00000125691	12505.25	11349.00	-0.1399687174
ENSG00000125703	260.75	221.25	-0.2369897975
ENSG00000125730	9058.75	7603.25	-0.2526957606
ENSG00000125731	45.25	42.00	-0.1075284643
ENSG00000125733	1606.75	1670.00	0.0557026303
ENSG00000125734	1306.25	1133.25	-0.2049648760
ENSG00000125735	14.00	8.00	-0.8073549221
ENSG00000125740	22.00	22.00	0.0000000000
ENSG00000125741	558.00	536.25	-0.0573593794
ENSG00000125743	1927.25	1723.25	-0.1614117127
ENSG00000125744	386.75	451.75	0.2241233094
ENSG00000125746	523.50	615.50	0.2335693196
ENSG00000125753	867.25	1072.25	0.3061214753
ENSG00000125755	1322.50	1288.00	-0.0381351289
ENSG00000125772	407.75	289.25	-0.4953679176
ENSG00000125775	39.25	45.50	0.2131738913
ENSG00000125779	682.00	634.75	-0.1035832494
ENSG00000125787	1.50	0.75	-1.0000000000
ENSG00000125810	3.75	2.75	-0.4474589770
ENSG00000125812	325.00	300.75	-0.1118749807

ENSG00000125814	220.25	227.75	0.0483090349
ENSG00000125817	1928.75	1922.50	-0.0046825586
ENSG00000125818	1816.25	1762.25	-0.0435441925
ENSG00000125821	534.50	523.75	-0.0293116091
ENSG00000125823	1.25	1.25	0.0000000000
ENSG00000125826	1520.25	1380.50	-0.1391177016
ENSG00000125827	2006.25	1932.50	-0.0540329781
ENSG00000125834	556.50	451.25	-0.3024547556
ENSG00000125835	757.00	941.25	0.3142846596
ENSG00000125841	1337.75	1098.00	-0.2849304746
ENSG00000125843	338.25	275.25	-0.2973473704
ENSG00000125844	12704.25	12491.00	-0.0244222275
ENSG00000125845	123.25	79.75	-0.6280312226
ENSG00000125846	292.75	262.25	-0.1587263979
ENSG00000125848	337.50	60.25	-2.4858543557
ENSG00000125851	1395.00	1464.00	0.0696504316
ENSG00000125863	588.00	544.00	-0.1122095036
ENSG00000125864	57.75	54.25	-0.0901978090
ENSG00000125868	12060.75	20054.50	0.7336063730
ENSG00000125869	0.75	0.75	0.0000000000
ENSG00000125870	606.50	601.25	-0.0125426565
ENSG00000125871	293.50	288.00	-0.0272916917
ENSG00000125872	0.75	4.75	2.6629650127
ENSG00000125875	1827.25	1715.75	-0.0908346789
ENSG00000125877	383.25	446.50	0.2203743835
ENSG00000125885	169.25	164.75	-0.0388773686
ENSG00000125895	2.00	2.00	0.0000000000
ENSG00000125898	74.75	77.50	0.0521227311
ENSG00000125901	253.75	254.25	0.0028399518
ENSG00000125912	1233.25	1284.75	0.0590223648
ENSG00000125931	0.75	1.50	1.0000000000
ENSG00000125944	1002.75	870.75	-0.2036314932
ENSG00000125945	474.25	301.75	-0.6522940027
ENSG00000125952	1171.00	1118.25	-0.0664983175
ENSG00000125954	61.75	60.75	-0.0235547280
ENSG00000125962	236.50	172.75	-0.4531544730
ENSG00000125965	691.50	281.75	-1.2953136410
ENSG00000125966	62.25	75.00	0.2688167584
ENSG00000125967	253.00	191.75	-0.3999108072
ENSG00000125968	42.25	63.25	0.5821141384
ENSG00000125970	2561.25	1755.25	-0.5451715512
ENSG00000125971	1478.25	1463.25	-0.0147139984
ENSG00000125977	2215.75	2099.50	-0.0777493251

ENSG00000125991	4100.00	3468.50	-0.2413120251
ENSG00000125995	385.50	392.50	0.0259617939
ENSG00000125998	5.00	4.25	-0.2344652536
ENSG00000125999	3.75	2.75	-0.4474589770
ENSG00000126001	1023.25	775.50	-0.3999599804
ENSG00000126003	357.00	386.00	0.1126767732
ENSG00000126005	1055.00	1047.50	-0.0102927550
ENSG00000126010	6.75	2.50	-1.4329594073
ENSG00000126012	1916.25	1868.00	-0.0367913368
ENSG00000126016	731.50	120.75	-2.5988346753
ENSG00000126062	1253.75	1478.00	0.2373965686
ENSG00000126067	1360.25	1152.75	-0.2387921626
ENSG00000126070	583.50	530.50	-0.1373799048
ENSG00000126088	1393.75	1061.50	-0.3928674338
ENSG00000126091	251.25	203.00	-0.3076438689
ENSG00000126106	108.75	155.75	0.5182167623
ENSG00000126107	1282.75	1100.00	-0.2217365018
ENSG00000126214	2448.75	2709.25	0.1458480340
ENSG00000126215	154.50	161.25	0.0616923224
ENSG00000126216	531.00	445.50	-0.2532864293
ENSG00000126217	6.75	2.75	-1.2954558835
ENSG00000126218	239.75	346.50	0.5313245371
ENSG00000126226	942.00	936.25	-0.0088332463
ENSG00000126231	2.50	2.75	0.1375035237
ENSG00000126243	299.25	334.50	0.1606549637
ENSG00000126246	28.25	53.50	0.9212880240
ENSG00000126247	6794.00	6877.25	0.0175705728
ENSG00000126249	55.25	48.25	-0.1954455221
ENSG00000126254	905.25	989.50	0.1283834356
ENSG00000126261	1633.75	1758.25	0.1059529813
ENSG00000126262	3.25	10.25	1.6571122865
ENSG00000126264	9.50	11.25	0.2439255829
ENSG00000126267	1589.50	1440.75	-0.1417529968
ENSG00000126337	0.50	1.25	1.3219280949
ENSG00000126351	1666.25	1722.50	0.0478991076
ENSG00000126353	24.75	24.25	-0.0294437779
ENSG00000126368	488.00	322.00	-0.5998204594
ENSG00000126391	547.75	703.00	0.3600071101
ENSG00000126432	2505.25	2299.25	-0.1237912374
ENSG00000126453	120.50	120.50	0.0000000000
ENSG00000126456	592.00	481.50	-0.2980613778
ENSG00000126457	1322.75	1152.25	-0.1990866501
ENSG00000126458	1745.00	2342.00	0.4245140394

ENSG00000126460	7.25	7.50	0.0489096005
ENSG00000126461	1300.25	1356.50	0.0611000097
ENSG00000126464	723.75	666.50	-0.1188865678
ENSG00000126467	8.25	6.50	-0.3439544012
ENSG00000126500	7.50	4.50	-0.7369655942
ENSG00000126522	403.50	535.00	0.4069702180
ENSG00000126524	2316.00	2620.75	0.1783444846
ENSG00000126550	14.25	11.50	-0.3093280581
ENSG00000126561	662.50	958.75	0.5332342181
ENSG00000126562	35.00	30.25	-0.2104197797
ENSG00000126581	1478.50	1540.00	0.0587961075
ENSG00000126583	1.50	2.50	0.7369655942
ENSG00000126602	743.75	577.00	-0.3662464444
ENSG00000126603	332.00	269.75	-0.2995602819
ENSG00000126653	784.75	712.75	-0.1388369896
ENSG00000126698	1989.00	1615.00	-0.3005091113
ENSG00000126705	750.75	479.00	-0.6483069138
ENSG00000126709	578.00	554.75	-0.0592317303
ENSG00000126733	1.25	1.50	0.2630344058
ENSG00000126746	1002.25	853.00	-0.2326247708
ENSG00000126749	308.25	351.75	0.1904495288
ENSG00000126756	708.00	723.75	0.0317420828
ENSG00000126759	7.75	6.75	-0.1993088082
ENSG00000126767	598.00	745.00	0.3170949412
ENSG00000126768	217.50	203.50	-0.0959866065
ENSG00000126773	1812.25	1338.00	-0.4377038730
ENSG00000126775	956.50	821.00	-0.2203827466
ENSG00000126777	6828.50	7871.00	0.2049782398
ENSG00000126778	562.25	443.50	-0.3422776515
ENSG00000126785	1078.00	367.00	-1.5545052099
ENSG00000126787	20.50	17.25	-0.2490275478
ENSG00000126790	495.75	535.00	0.1099261191
ENSG00000126803	152.75	895.50	2.5515210522
ENSG00000126804	748.00	796.50	0.0906360916
ENSG00000126814	520.75	424.50	-0.2948263805
ENSG00000126821	561.75	624.00	0.1516178097
ENSG00000126822	269.50	268.00	-0.0080522723
ENSG00000126838	3.50	2.25	-0.6374299206
ENSG00000126856	12.75	9.50	-0.4244978285
ENSG00000126858	568.50	511.00	-0.1538370580
ENSG00000126860	76.50	25.75	-1.5708873155
ENSG00000126861	520.00	138.50	-1.9086256470
ENSG00000126870	592.75	468.50	-0.3393747098

ENSG00000126878	161.25	25.75	-2.6466548231
ENSG00000126882	27.25	13.75	-0.9868246113
ENSG00000126883	1252.25	1134.00	-0.1431019713
ENSG00000126903	783.75	802.75	0.0345572220
ENSG00000126934	2737.50	2913.75	0.0900181346
ENSG00000126945	2181.00	1960.50	-0.1537681281
ENSG00000126947	1366.50	1026.75	-0.4124005125
ENSG00000126950	1248.75	349.25	-1.8381526573
ENSG00000126953	86.00	79.75	-0.1088521409
ENSG00000126970	233.00	153.25	-0.6044428810
ENSG00000127022	15369.75	14845.25	-0.0500923097
ENSG00000127054	1132.75	1094.75	-0.0492280411
ENSG00000127074	3.50	1.50	-1.2223924213
ENSG00000127080	186.75	150.00	-0.3161457423
ENSG00000127081	88.75	71.50	-0.3118038776
ENSG00000127083	140.50	432.50	1.6221300023
ENSG00000127124	19.75	24.25	0.2961320940
ENSG00000127125	541.25	506.25	-0.0964451170
ENSG00000127184	2306.75	2106.50	-0.1310137408
ENSG00000127191	174.25	128.25	-0.4421998303
ENSG00000127220	345.50	304.25	-0.1834284477
ENSG00000127241	9238.00	7263.25	-0.3469653079
ENSG00000127249	8.50	5.00	-0.7655347464
ENSG00000127252	0.75	1.50	1.0000000000
ENSG00000127311	130.25	115.50	-0.1733905209
ENSG00000127314	3379.00	3741.50	0.1470204246
ENSG00000127324	3.25	42.00	3.6918777046
ENSG00000127325	3.75	5.25	0.4854268272
ENSG00000127328	57.50	80.75	0.4899003037
ENSG00000127329	27.75	16.00	-0.7944158664
ENSG00000127334	804.00	722.75	-0.1536987977
ENSG00000127337	137.00	112.25	-0.2874604482
ENSG00000127362	1.50	2.75	0.8744691179
ENSG00000127364	15.50	9.00	-0.7842713089
ENSG00000127366	8.50	4.50	-0.9175378398
ENSG00000127377	10.75	12.00	0.1586977460
ENSG00000127399	9.75	8.25	-0.2410080995
ENSG00000127415	550.25	527.50	-0.0609161463
ENSG00000127418	677.75	607.25	-0.1584626232
ENSG00000127419	465.50	341.25	-0.4479521218
ENSG00000127423	10.50	8.25	-0.3479233034
ENSG00000127445	654.25	696.75	0.0907990781
ENSG00000127452	481.50	449.00	-0.1008203531

ENSG00000127463	1629.00	1372.75	-0.2469176926
ENSG00000127472	16.25	12.75	-0.3499424711
ENSG00000127481	9065.50	7650.25	-0.2448796989
ENSG00000127483	5383.50	4550.50	-0.2425193494
ENSG00000127507	12.00	13.50	0.1699250014
ENSG00000127511	1410.75	1173.50	-0.2656445077
ENSG00000127526	1342.00	1289.00	-0.0581324078
ENSG00000127527	651.25	505.75	-0.3647870526
ENSG00000127528	130.75	73.50	-0.8309947914
ENSG00000127533	17.75	11.50	-0.6261851634
ENSG00000127540	1004.25	1062.75	0.0816837976
ENSG00000127554	347.50	299.75	-0.2132532242
ENSG00000127561	24.25	62.75	1.3716307118
ENSG00000127564	10.75	11.00	0.0331668639
ENSG00000127578	3.00	5.00	0.7369655942
ENSG00000127580	333.75	282.00	-0.2430726742
ENSG00000127585	9.25	23.50	1.3451354860
ENSG00000127586	108.50	66.50	-0.7062687969
ENSG00000127589	3.75	2.75	-0.4474589770
ENSG00000127603	12054.50	13705.00	0.1851305165
ENSG00000127616	1731.00	1618.75	-0.0967255319
ENSG00000127663	1377.25	1438.75	0.0630254655
ENSG00000127666	245.75	282.75	0.2023356076
ENSG00000127720	104.00	86.75	-0.2616478656
ENSG00000127743	0.75	1.00	0.4150374993
ENSG00000127774	219.75	251.25	0.1932604309
ENSG00000127804	767.00	567.00	-0.4358778426
ENSG00000127824	408.50	120.50	-1.7613029319
ENSG00000127831	0.25	0.75	1.5849625007
ENSG00000127837	1426.00	1502.25	0.0751509401
ENSG00000127838	413.00	394.00	-0.0679461520
ENSG00000127863	2622.50	1617.50	-0.6971770606
ENSG00000127870	792.75	767.25	-0.0471692316
ENSG00000127884	1202.00	993.25	-0.2752081026
ENSG00000127903	10.75	8.75	-0.2969817378
ENSG00000127914	1518.75	1494.50	-0.0232215117
ENSG00000127920	820.75	1036.50	0.3367053665
ENSG00000127922	773.25	753.00	-0.0382850634
ENSG00000127928	3.50	3.75	0.0995356736
ENSG00000127946	1266.75	1646.50	0.3782706831
ENSG00000127947	1577.00	1777.00	0.1722610212
ENSG00000127948	837.25	957.25	0.1932372841
ENSG00000127951	294.50	151.25	-0.9613324917

ENSG00000127952	428.00	345.25	-0.3099693821
ENSG00000127954	34.25	826.75	4.5932752472
ENSG00000127955	478.00	646.50	0.4356397518
ENSG00000127957	68.75	60.25	-0.1903984722
ENSG00000127980	481.25	441.50	-0.1243731028
ENSG00000127989	163.00	174.50	0.0983550720
ENSG00000127990	1948.00	1787.00	-0.1244540430
ENSG00000127993	234.75	216.00	-0.1200938455
ENSG00000127995	354.25	324.75	-0.1254383275
ENSG00000128000	144.25	133.25	-0.1144357859
ENSG00000128011	17.00	12.25	-0.4727529971
ENSG00000128016	1546.75	1717.25	0.1508600505
ENSG00000128039	169.00	209.50	0.3099269974
ENSG00000128045	16.75	219.50	3.7119879391
ENSG00000128050	1224.25	1016.00	-0.2689977939
ENSG00000128052	1.25	6.00	2.2630344058
ENSG00000128059	207.25	185.25	-0.1618985592
ENSG00000128159	1106.50	1209.00	0.1278107934
ENSG00000128165	113.00	15.25	-2.8894416249
ENSG00000128185	693.50	615.50	-0.1721370258
ENSG00000128191	738.50	651.50	-0.1808327422
ENSG00000128203	49.00	43.00	-0.1884450894
ENSG00000128218	0.75	0.25	-1.5849625007
ENSG00000128228	113.00	180.00	0.6716741339
ENSG00000128242	4.75	7.00	0.5594274086
ENSG00000128245	1458.25	1304.00	-0.1612942046
ENSG00000128250	1.75	1.00	-0.8073549221
ENSG00000128262	91.25	274.00	1.5862794292
ENSG00000128266	11.50	14.50	0.3344190391
ENSG00000128268	13.75	14.25	0.0515303006
ENSG00000128271	4.25	8.50	1.0000000000
ENSG00000128272	6728.50	5256.50	-0.3561824055
ENSG00000128274	1097.75	1446.75	0.3982661096
ENSG00000128283	1694.00	1615.75	-0.0682298831
ENSG00000128284	421.50	468.75	0.1532860593
ENSG00000128285	12.75	0.25	-5.6724253420
ENSG00000128294	363.75	349.25	-0.0586871324
ENSG00000128298	23.00	26.25	0.1906835616
ENSG00000128309	437.25	771.75	0.8196751937
ENSG00000128311	194.75	444.25	1.1897484480
ENSG00000128335	1047.50	1075.50	0.0380572808
ENSG00000128340	80.75	56.75	-0.5088418674
ENSG00000128342	273.25	55.00	-2.3127179721

ENSG00000128346	188.75	182.75 -0.0466052383
ENSG00000128383	2.50	1.00 -1.3219280949
ENSG00000128394	109.00	73.50 -0.5685119799
ENSG00000128408	7.50	6.00 -0.3219280949
ENSG00000128422	3.25	1.00 -1.7004397181
ENSG00000128438	6.50	5.25 -0.3081222954
ENSG00000128463	1045.00	923.50 -0.1783190760
ENSG00000128482	27.75	58.25 1.0697702783
ENSG00000128487	188.50	106.00 -0.8305002587
ENSG00000128510	300.50	53.00 -2.5033007261
ENSG00000128512	1068.50	1173.50 0.1352309339
ENSG00000128513	379.75	345.50 -0.1363642541
ENSG00000128524	1290.50	1241.00 -0.0564270260
ENSG00000128534	363.25	304.00 -0.2568914742
ENSG00000128536	92.75	68.50 -0.4372432937
ENSG00000128563	593.25	462.50 -0.3591868298
ENSG00000128564	1.25	4.25 1.7655347464
ENSG00000128567	13.25	9.25 -0.5184670889
ENSG00000128573	513.25	483.25 -0.0868919899
ENSG00000128578	93.25	58.50 -0.6726671007
ENSG00000128581	472.25	356.75 -0.4046373669
ENSG00000128585	2070.00	1838.00 -0.1714940011
ENSG00000128590	573.25	589.75 0.0409390637
ENSG00000128591	14021.25	11124.00 -0.3339393221
ENSG00000128594	36.50	8.50 -2.1023617176
ENSG00000128595	26822.50	25626.50 -0.0658072578
ENSG00000128596	314.25	372.50 0.2453276809
ENSG00000128602	401.75	178.25 -1.1723959472
ENSG00000128604	1.75	3.00 0.7776075787
ENSG00000128606	2151.50	387.75 -2.4721441539
ENSG00000128607	932.25	796.50 -0.2270425302
ENSG00000128609	924.00	911.50 -0.0196501954
ENSG00000128617	60.75	74.00 0.2846408620
ENSG00000128626	119.75	136.50 0.1888752952
ENSG00000128641	2760.25	2367.50 -0.2214345143
ENSG00000128652	0.75	0.25 -1.5849625007
ENSG00000128654	454.50	392.50 -0.2115876404
ENSG00000128655	8.25	12.25 0.5703157248
ENSG00000128656	2667.00	1761.00 -0.5988229157
ENSG00000128683	2.50	2.25 -0.1520030934
ENSG00000128694	132.25	87.50 -0.5959128003
ENSG00000128699	1279.75	2327.50 0.8629191615
ENSG00000128708	530.25	439.25 -0.2716304295

ENSG00000128731	1788.75	1931.25	0.1105831661
ENSG00000128739	1457.25	1226.00	-0.2492894226
ENSG00000128789	753.25	820.75	0.1238140770
ENSG00000128791	10983.25	10531.50	-0.0605940845
ENSG00000128805	475.25	284.25	-0.7415262778
ENSG00000128815	28.50	56.00	0.9744649079
ENSG00000128829	2750.25	2433.00	-0.1768264465
ENSG00000128833	7.25	6.00	-0.2730184944
ENSG00000128849	70.25	73.75	0.0701448240
ENSG00000128872	798.50	867.50	0.1195713501
ENSG00000128881	759.00	627.25	-0.2750593200
ENSG00000128886	36.00	22.50	-0.6780719051
ENSG00000128891	308.50	270.50	-0.1896418953
ENSG00000128908	1119.50	1224.75	0.1296327634
ENSG00000128915	775.00	714.00	-0.1182722361
ENSG00000128917	11.25	163.50	3.8612937292
ENSG00000128918	6.75	4.50	-0.5849625007
ENSG00000128923	1031.25	1935.50	0.9083121883
ENSG00000128928	1174.75	1366.50	0.2181316921
ENSG00000128944	107.25	141.75	0.4023710874
ENSG00000128951	797.00	839.25	0.0745209077
ENSG00000128965	116.50	86.25	-0.4337335930
ENSG00000128973	208.00	190.75	-0.1249004713
ENSG00000128989	2202.50	2223.25	0.0135281665
ENSG00000129003	2764.75	2622.50	-0.0762062592
ENSG00000129007	21.50	23.25	0.1128940564
ENSG00000129009	4507.25	3491.50	-0.3684005004
ENSG00000129028	87.00	61.50	-0.5004289905
ENSG00000129038	5384.00	3483.50	-0.6281408467
ENSG00000129048	2213.75	811.75	-1.4473849224
ENSG00000129055	1099.50	876.50	-0.3270216081
ENSG00000129071	601.50	575.75	-0.0631222314
ENSG00000129083	4373.50	4544.25	0.0552539125
ENSG00000129084	1607.25	1501.25	-0.0984301048
ENSG00000129103	2818.00	2667.25	-0.0793185573
ENSG00000129116	17481.50	29096.75	0.7350290378
ENSG00000129128	2858.75	4715.00	0.7218733103
ENSG00000129151	4.25	2.25	-0.9175378398
ENSG00000129158	189.25	158.25	-0.2580878006
ENSG00000129159	4.25	0.50	-3.0874628413
ENSG00000129167	10.25	8.75	-0.2282689877
ENSG00000129173	4.25	2.75	-0.6280312226
ENSG00000129187	2155.50	1946.25	-0.1473255232

ENSG00000129194	22.25	20.50 -0.1181814263
ENSG00000129195	14.25	13.00 -0.1324502960
ENSG00000129197	473.50	441.75 -0.1001342909
ENSG00000129204	123.00	133.50 0.1181814263
ENSG00000129214	34.75	21.50 -0.6926763180
ENSG00000129219	734.50	710.50 -0.0479278413
ENSG00000129221	0.50	1.25 1.3219280949
ENSG00000129226	1828.75	1490.00 -0.2955455337
ENSG00000129235	337.75	400.00 0.2440442304
ENSG00000129244	6.75	4.25 -0.6674246609
ENSG00000129245	762.75	832.25 0.1258066906
ENSG00000129250	7321.75	8718.25 0.2518500604
ENSG00000129255	747.75	614.50 -0.2831429947
ENSG00000129292	1569.50	1417.50 -0.1469562938
ENSG00000129295	57.25	44.00 -0.3797721695
ENSG00000129315	721.25	701.00 -0.0410849695
ENSG00000129317	617.25	498.00 -0.3097091891
ENSG00000129347	514.00	489.75 -0.0697228669
ENSG00000129351	3075.00	2902.75 -0.0831660856
ENSG00000129353	3539.50	4632.75 0.3883232560
ENSG00000129354	1.00	0.50 -1.0000000000
ENSG00000129355	67.25	86.25 0.3589901891
ENSG00000129422	548.25	538.00 -0.0272277341
ENSG00000129437	1.50	1.25 -0.2630344058
ENSG00000129451	4.50	1.75 -1.3625700794
ENSG00000129460	262.75	250.00 -0.0717626693
ENSG00000129465	29.25	29.00 -0.0123837245
ENSG00000129467	175.50	68.00 -1.3678643791
ENSG00000129472	384.75	367.50 -0.0661770766
ENSG00000129473	1635.75	1921.50 0.2322807057
ENSG00000129474	678.25	525.25 -0.3688128856
ENSG00000129480	225.50	236.25 0.0671868959
ENSG00000129484	311.00	164.75 -0.9166361151
ENSG00000129493	1589.50	1565.00 -0.0224103593
ENSG00000129514	12.25	6.50 -0.9142701260
ENSG00000129515	2772.25	2506.00 -0.1456709501
ENSG00000129518	712.75	646.25 -0.1413037587
ENSG00000129521	104.00	43.50 -1.2574962223
ENSG00000129534	468.25	466.75 -0.0046289720
ENSG00000129535	11.25	11.50 0.0317088597
ENSG00000129559	1692.00	1737.75 0.0384909765
ENSG00000129562	1607.25	1615.00 0.0069398142
ENSG00000129566	940.75	1101.25 0.2272587297

ENSG00000129595	101.25	96.25	-0.0730634622
ENSG00000129596	63.25	105.75	0.7415202784
ENSG00000129625	3153.25	3198.75	0.0206686861
ENSG00000129636	2077.00	2045.25	-0.0222240152
ENSG00000129646	70.00	54.00	-0.3743955148
ENSG00000129657	1420.25	1330.75	-0.0939053367
ENSG00000129667	74.50	60.50	-0.3003052832
ENSG00000129673	1.50	1.50	0.0000000000
ENSG00000129675	857.50	783.75	-0.1297431334
ENSG00000129680	844.25	879.50	0.0590133035
ENSG00000129682	577.00	175.00	-1.7212163968
ENSG00000129691	771.50	678.50	-0.1853173412
ENSG00000129696	172.75	164.00	-0.0749898958
ENSG00000129749	7.00	10.00	0.5145731728
ENSG00000129757	229.50	262.00	0.1910726581
ENSG00000129810	5.75	6.00	0.0614005447
ENSG00000129824	3632.00	2981.25	-0.2848468415
ENSG00000129910	9.50	7.00	-0.4405725914
ENSG00000129911	210.25	166.75	-0.3344190391
ENSG00000129925	1825.25	2079.50	0.1881426051
ENSG00000129932	152.25	169.00	0.1505810184
ENSG00000129933	1168.25	1228.00	0.0719615235
ENSG00000129946	358.75	264.50	-0.4397111094
ENSG00000129951	26.50	27.25	0.0402638702
ENSG00000129965	2.00	4.75	1.2479275134
ENSG00000129968	1097.25	1093.75	-0.0046092533
ENSG00000129988	10.25	18.75	0.8712666859
ENSG00000129990	21.25	14.25	-0.5765009220
ENSG00000129991	0.50	0.50	0.0000000000
ENSG00000129993	5.25	0.75	-2.8073549221
ENSG00000130005	450.25	318.75	-0.4983009342
ENSG00000130021	324.25	337.75	0.0588491951
ENSG00000130023	219.75	191.50	-0.1985187732
ENSG00000130024	1386.50	1468.25	0.0826500215
ENSG00000130032	93.50	20.75	-2.1718550285
ENSG00000130035	3.00	3.75	0.3219280949
ENSG00000130037	24.25	11.50	-1.0763508861
ENSG00000130038	56.25	56.00	-0.0064262692
ENSG00000130045	35.50	31.75	-0.1610624327
ENSG00000130052	204.00	176.75	-0.2068589372
ENSG00000130055	3.00	2.75	-0.1255308821
ENSG00000130066	2538.50	5627.00	1.1483897033
ENSG00000130119	188.25	193.25	0.0378185493

ENSG00000130147	3453.75	3300.50	-0.0654790590
ENSG00000130150	748.25	960.25	0.3598896850
ENSG00000130158	746.50	674.00	-0.1473936690
ENSG00000130159	349.50	333.00	-0.0697702783
ENSG00000130164	896.25	1091.00	0.2836779827
ENSG00000130165	587.50	543.50	-0.1123088164
ENSG00000130167	0.50	0.25	-1.0000000000
ENSG00000130173	2.75	2.25	-0.2895066172
ENSG00000130175	5628.75	5262.25	-0.0971347826
ENSG00000130176	927.25	1269.00	0.4526618013
ENSG00000130177	1516.50	1500.75	-0.0150618300
ENSG00000130193	120.75	87.50	-0.4646682670
ENSG00000130201	7.50	7.75	0.0473057148
ENSG00000130202	1173.75	1337.25	0.1881440458
ENSG00000130203	2819.25	2395.25	-0.2351351735
ENSG00000130204	385.75	433.25	0.1675335926
ENSG00000130208	58.25	42.25	-0.4633067084
ENSG00000130222	19.75	6.00	-1.7188182475
ENSG00000130224	298.50	461.25	0.6278179797
ENSG00000130226	1.00	2.00	1.0000000000
ENSG00000130227	2094.00	1466.25	-0.5141303340
ENSG00000130244	203.25	165.75	-0.2942464820
ENSG00000130254	1182.00	1145.00	-0.0458824372
ENSG00000130255	4934.00	4624.00	-0.0936163178
ENSG00000130270	79.00	80.00	0.0181473467
ENSG00000130283	8.00	5.25	-0.6076825772
ENSG00000130287	3.25	0.75	-2.1154772174
ENSG00000130294	0.25	2.00	3.0000000000
ENSG00000130299	135.75	130.00	-0.0624405748
ENSG00000130303	89.50	70.25	-0.3493894570
ENSG00000130304	625.25	561.00	-0.1564323816
ENSG00000130305	206.00	187.75	-0.1338314297
ENSG00000130307	8.00	6.75	-0.2451124978
ENSG00000130309	1742.25	1855.25	0.0906619522
ENSG00000130311	602.00	725.75	0.2697091799
ENSG00000130312	433.50	463.25	0.0957589828
ENSG00000130313	1070.50	867.25	-0.3037649551
ENSG00000130332	354.25	288.25	-0.2974472453
ENSG00000130338	661.00	504.25	-0.3905110929
ENSG00000130340	5724.50	3840.00	-0.5760433772
ENSG00000130347	70.25	50.50	-0.4762148375
ENSG00000130348	320.75	256.25	-0.3238972607
ENSG00000130349	207.25	188.50	-0.1368075782

ENSG00000130363	381.50	321.25	-0.2479866028
ENSG00000130368	7.50	6.50	-0.2064508775
ENSG00000130377	7.25	4.00	-0.8579809951
ENSG00000130382	1657.75	2013.00	0.2801207173
ENSG00000130396	719.25	648.75	-0.1488306825
ENSG00000130402	5613.00	9511.75	0.7609387375
ENSG00000130413	103.00	88.25	-0.2229761539
ENSG00000130414	718.25	669.50	-0.1014020322
ENSG00000130427	1.50	0.25	-2.5849625007
ENSG00000130429	2172.50	2059.00	-0.0774123471
ENSG00000130433	1.25	3.00	1.2630344058
ENSG00000130449	705.25	613.75	-0.2004836414
ENSG00000130475	22.75	17.50	-0.3785116233
ENSG00000130477	4.50	3.75	-0.2630344058
ENSG00000130479	585.00	757.75	0.3732853223
ENSG00000130487	13.75	1.75	-2.9740047915
ENSG00000130489	200.75	223.50	0.1548748437
ENSG00000130508	11814.75	13507.75	0.1931982812
ENSG00000130511	796.00	581.25	-0.4536096197
ENSG00000130513	802.25	201.25	-1.9950631013
ENSG00000130517	1434.25	916.50	-0.6460897321
ENSG00000130518	125.50	67.50	-0.8947279569
ENSG00000130520	631.75	618.25	-0.0311634246
ENSG00000130522	1631.75	1208.25	-0.4335010445
ENSG00000130528	0.75	2.50	1.7369655942
ENSG00000130529	505.50	606.50	0.2627965532
ENSG00000130540	34.75	28.00	-0.3115861507
ENSG00000130544	161.75	128.00	-0.3376219020
ENSG00000130545	2.00	2.25	0.1699250014
ENSG00000130558	208.25	208.25	0.0000000000
ENSG00000130559	639.75	509.00	-0.3298425860
ENSG00000130560	523.25	471.50	-0.1502426356
ENSG00000130561	12.00	8.00	-0.5849625007
ENSG00000130584	290.50	142.75	-1.0250474180
ENSG00000130589	823.00	660.00	-0.3184264062
ENSG00000130590	55.50	38.00	-0.5464883529
ENSG00000130592	25.25	19.25	-0.3914249421
ENSG00000130595	1.00	0.25	-2.0000000000
ENSG00000130612	3.25	0.75	-2.1154772174
ENSG00000130635	11883.25	7530.00	-0.6582076888
ENSG00000130638	2230.25	2150.50	-0.0525333069
ENSG00000130640	1357.75	1252.25	-0.1166952517
ENSG00000130643	3.75	1.75	-1.0995356736

ENSG00000130649	34.50	24.00 -0.5235619561
ENSG00000130653	140.00	158.75 0.1813297647
ENSG00000130669	465.00	384.25 -0.2751854563
ENSG00000130684	525.25	457.50 -0.1992325135
ENSG00000130695	94.75	69.00 -0.4575295814
ENSG00000130699	121.25	109.25 -0.1503514676
ENSG00000130702	1332.00	1110.50 -0.2623846895
ENSG00000130703	767.25	614.00 -0.3214580851
ENSG00000130706	1388.00	1438.25 0.0513069023
ENSG00000130707	1430.50	1145.50 -0.3205420390
ENSG00000130713	223.75	175.25 -0.3524732381
ENSG00000130714	701.00	673.25 -0.0582721195
ENSG00000130717	628.50	607.00 -0.0502162282
ENSG00000130720	293.25	244.00 -0.2652499605
ENSG00000130723	5493.00	5718.75 0.0581055464
ENSG00000130724	1382.25	1293.75 -0.0954597091
ENSG00000130725	717.75	675.00 -0.0885939233
ENSG00000130726	3246.75	2866.25 -0.1798318515
ENSG00000130731	464.00	434.25 -0.0955989564
ENSG00000130733	819.00	617.75 -0.4068403463
ENSG00000130734	111.00	119.00 0.1004018970
ENSG00000130741	2605.00	2131.50 -0.2894143172
ENSG00000130748	36.50	40.50 0.1500254440
ENSG00000130749	695.75	679.75 -0.0335647573
ENSG00000130751	14.00	9.00 -0.6374299206
ENSG00000130755	5.75	3.50 -0.7162070340
ENSG00000130758	201.25	188.75 -0.0925121388
ENSG00000130762	2.25	0.25 -3.1699250014
ENSG00000130764	772.00	703.00 -0.1350761582
ENSG00000130766	1178.75	578.00 -1.0281163731
ENSG00000130768	1.75	0.75 -1.2223924213
ENSG00000130770	769.25	642.75 -0.2591948335
ENSG00000130772	235.75	253.50 0.1047279763
ENSG00000130775	108.25	77.50 -0.4820988095
ENSG00000130779	5342.75	5640.25 0.0781765989
ENSG00000130783	10.25	12.00 0.2274104961
ENSG00000130787	372.00	264.00 -0.4947646917
ENSG00000130803	588.75	577.00 -0.0290838359
ENSG00000130810	216.50	322.50 0.5749321356
ENSG00000130811	2056.25	2172.25 0.0791744708
ENSG00000130812	8.25	7.00 -0.2370391973
ENSG00000130813	720.00	657.25 -0.1315546697
ENSG00000130816	1921.75	1763.00 -0.1243881938

ENSG00000130818	616.75	468.75	-0.3958671200
ENSG00000130821	1029.50	1058.00	0.0393957975
ENSG00000130822	13.50	10.50	-0.3625700794
ENSG00000130826	532.00	480.25	-0.1476406318
ENSG00000130827	1642.75	1616.00	-0.0236857440
ENSG00000130830	322.75	283.25	-0.1883411395
ENSG00000130844	307.25	277.75	-0.1456260990
ENSG00000130856	383.00	290.50	-0.3988062285
ENSG00000130881	1134.75	811.50	-0.4837114884
ENSG00000130921	426.50	295.00	-0.5318307871
ENSG00000130935	518.25	454.75	-0.1885745735
ENSG00000130939	2449.25	2270.00	-0.1096477428
ENSG00000130940	11.50	21.25	0.8858289801
ENSG00000130943	33.00	21.00	-0.6520766966
ENSG00000130948	3.00	6.00	1.0000000000
ENSG00000130956	1132.75	1532.50	0.4360575831
ENSG00000130957	0.50	0.75	0.5849625007
ENSG00000130958	468.00	537.50	0.1997562249
ENSG00000130962	834.75	1014.25	0.2809972091
ENSG00000130985	6516.50	6232.50	-0.0642863259
ENSG00000130988	136.25	117.00	-0.2197477001
ENSG00000130997	66.00	49.75	-0.4077694988
ENSG00000131002	807.00	696.25	-0.2129632511
ENSG00000131013	751.75	667.50	-0.1714851260
ENSG00000131015	18.00	12.75	-0.4974996595
ENSG00000131016	57531.50	25092.75	-1.1970814964
ENSG00000131018	3377.50	3360.00	-0.0074945365
ENSG00000131019	45.75	28.75	-0.6702097873
ENSG00000131023	780.00	738.00	-0.0798533077
ENSG00000131037	8.50	13.50	0.6674246609
ENSG00000131043	685.50	739.25	0.1089056723
ENSG00000131044	5.50	3.00	-0.8744691179
ENSG00000131050	1.25	0.75	-0.7369655942
ENSG00000131051	5015.75	4330.00	-0.2120984167
ENSG00000131061	86.50	83.25	-0.0552498606
ENSG00000131067	677.00	602.00	-0.1693923468
ENSG00000131069	664.50	734.50	0.1444932913
ENSG00000131080	1586.00	786.00	-1.0127915534
ENSG00000131089	696.25	497.75	-0.4841841065
ENSG00000131094	37.25	28.50	-0.3862785063
ENSG00000131095	7.25	9.50	0.3899465183
ENSG00000131096	3.25	2.00	-0.7004397181
ENSG00000131097	1.00	0.75	-0.4150374993

ENSG00000131100	2148.25	2410.50	0.1661705347
ENSG00000131115	324.75	239.25	-0.4408106010
ENSG00000131116	541.00	456.25	-0.2458040352
ENSG00000131126	2.25	0.50	-2.1699250014
ENSG00000131127	151.75	115.25	-0.3969297658
ENSG00000131143	3960.50	3537.75	-0.1628504757
ENSG00000131148	352.00	464.25	0.3993264813
ENSG00000131149	1069.25	788.25	-0.4398740372
ENSG00000131152	10.50	12.25	0.2223924213
ENSG00000131153	28.50	18.25	-0.6430654553
ENSG00000131165	1506.25	1502.00	-0.0040764285
ENSG00000131171	3161.75	2843.00	-0.1533091991
ENSG00000131174	1010.75	793.00	-0.3500334326
ENSG00000131187	10.25	7.00	-0.5501970826
ENSG00000131188	35.25	32.50	-0.1171835394
ENSG00000131196	145.00	136.75	-0.0845120672
ENSG00000131203	0.50	0.25	-1.0000000000
ENSG00000131233	8.00	6.25	-0.3561438102
ENSG00000131236	6271.50	8433.25	0.4272781790
ENSG00000131238	755.75	741.25	-0.0279488742
ENSG00000131242	92.25	15.75	-2.5501970826
ENSG00000131263	1183.50	1251.25	0.0803103630
ENSG00000131269	327.75	256.75	-0.3522315039
ENSG00000131323	750.75	507.25	-0.5656356098
ENSG00000131351	43.25	52.50	0.2796172900
ENSG00000131368	552.25	519.25	-0.0888922025
ENSG00000131370	1962.00	964.00	-1.0252199900
ENSG00000131373	230.25	215.25	-0.0971879187
ENSG00000131374	3832.00	3032.75	-0.3374709845
ENSG00000131375	774.25	754.50	-0.0372785771
ENSG00000131378	1630.75	1654.75	0.0210776423
ENSG00000131379	4.75	3.25	-0.5474877953
ENSG00000131381	1034.50	842.00	-0.2970415068
ENSG00000131386	7814.50	20554.00	1.3951937107
ENSG00000131389	1267.50	303.00	-2.0645960484
ENSG00000131398	1.25	3.50	1.4854268272
ENSG00000131400	10.25	8.50	-0.2700891634
ENSG00000131408	1497.25	1746.25	0.2219449833
ENSG00000131409	20.00	14.50	-0.4639470998
ENSG00000131435	409.00	258.25	-0.6633324941
ENSG00000131437	513.25	296.75	-0.7904136925
ENSG00000131446	4225.25	6900.25	0.7076119271
ENSG00000131459	622.25	1367.50	1.1359746027

ENSG00000131462	565.75	447.75	-0.3374712473
ENSG00000131467	1607.00	1933.75	0.2670313627
ENSG00000131469	8460.00	7560.25	-0.1622237215
ENSG00000131470	71.00	73.50	0.0499252253
ENSG00000131471	292.25	318.50	0.1240903477
ENSG00000131473	3760.25	3835.25	0.0284920400
ENSG00000131475	541.75	533.50	-0.0221389773
ENSG00000131477	8.00	8.75	0.1292830169
ENSG00000131480	20.25	27.00	0.4150374993
ENSG00000131482	1.25	0.75	-0.7369655942
ENSG00000131495	525.25	539.00	0.0372810161
ENSG00000131503	1370.50	1293.25	-0.0837011366
ENSG00000131504	1645.00	1917.25	0.2209508857
ENSG00000131507	2715.75	3222.75	0.2469416003
ENSG00000131508	1148.00	1210.25	0.0761824522
ENSG00000131558	2561.25	2236.75	-0.1954440629
ENSG00000131584	1380.25	861.25	-0.6804256182
ENSG00000131591	138.00	131.75	-0.0668653051
ENSG00000131620	1237.50	1505.75	0.2830537337
ENSG00000131626	1450.25	1536.25	0.0831113913
ENSG00000131634	307.00	469.50	0.6128865023
ENSG00000131650	2.25	1.00	-1.1699250014
ENSG00000131652	238.25	208.25	-0.1941597185
ENSG00000131653	2995.00	2916.50	-0.0383179289
ENSG00000131668	0.25	1.00	2.0000000000
ENSG00000131669	626.75	405.25	-0.6290779053
ENSG00000131686	11.00	9.25	-0.2499782530
ENSG00000131697	240.50	206.00	-0.2233925566
ENSG00000131711	8000.25	5472.75	-0.5477791290
ENSG00000131724	1870.50	1696.25	-0.1410751502
ENSG00000131725	544.50	589.50	0.1145597643
ENSG00000131730	22.00	13.00	-0.7589919005
ENSG00000131732	736.00	525.25	-0.4867015094
ENSG00000131746	6.00	3.25	-0.8845227826
ENSG00000131747	351.50	218.50	-0.6858914096
ENSG00000131748	843.75	715.50	-0.2378638301
ENSG00000131759	963.00	734.75	-0.3902823442
ENSG00000131771	159.00	17.25	-3.2043584985
ENSG00000131773	185.25	173.75	-0.0924605647
ENSG00000131778	835.50	642.25	-0.3795048432
ENSG00000131779	529.75	552.25	0.0600098310
ENSG00000131781	102.25	100.75	-0.0213210044
ENSG00000131788	885.75	781.75	-0.1801922462

ENSG00000131791	1015.75	969.25	-0.0676046295
ENSG00000131797	121.25	73.25	-0.7270840827
ENSG00000131828	762.00	772.75	0.0202107514
ENSG00000131831	564.50	1308.00	1.2123170547
ENSG00000131844	524.25	607.25	0.2120356285
ENSG00000131845	331.75	275.25	-0.2693539018
ENSG00000131848	67.25	52.50	-0.3572168449
ENSG00000131849	188.00	167.25	-0.1687264510
ENSG00000131864	0.25	1.25	2.3219280949
ENSG00000131871	670.00	968.50	0.5315909533
ENSG00000131873	805.75	771.50	-0.0626661265
ENSG00000131876	290.50	247.50	-0.2311096384
ENSG00000131899	1530.50	1052.75	-0.5398401694
ENSG00000131910	0.50	0.50	0.0000000000
ENSG00000131914	6.50	6.25	-0.0565835284
ENSG00000131931	176.75	174.75	-0.0164177594
ENSG00000131941	108.25	120.00	0.1486673809
ENSG00000131943	651.75	719.75	0.1431772060
ENSG00000131944	89.75	90.00	0.0040130625
ENSG00000131951	1.25	1.25	0.0000000000
ENSG00000131966	1401.00	1244.75	-0.1706009404
ENSG00000131969	23.75	27.75	0.2245602580
ENSG00000131979	45.50	125.50	1.4637489138
ENSG00000131981	5714.25	4016.50	-0.5086252794
ENSG00000132000	339.50	381.00	0.1663794232
ENSG00000132002	1903.75	1298.00	-0.5525536534
ENSG00000132003	126.75	190.50	0.5878052505
ENSG00000132004	93.00	77.00	-0.2723722704
ENSG00000132005	183.75	162.75	-0.1750867066
ENSG00000132010	37.75	30.00	-0.3315141437
ENSG00000132016	17.00	10.00	-0.7655347464
ENSG00000132017	216.00	187.50	-0.2041407168
ENSG00000132024	601.75	548.00	-0.1349883435
ENSG00000132026	2.25	2.25	0.0000000000
ENSG00000132031	46.50	64.75	0.4776494766
ENSG00000132109	497.25	395.00	-0.3321187178
ENSG00000132122	292.25	272.75	-0.0996238282
ENSG00000132128	2047.00	1885.75	-0.1183726764
ENSG00000132141	30.50	55.00	0.8506223760
ENSG00000132153	1177.00	1154.50	-0.0278461473
ENSG00000132155	2228.25	3534.50	0.6655950360
ENSG00000132164	1.25	1.00	-0.3219280949
ENSG00000132170	365.50	720.25	0.9786263492

ENSG00000132182	10.50	5.25 -1.0000000000
ENSG00000132185	2.25	1.25 -0.8479969066
ENSG00000132196	107.75	105.75 -0.0270302060
ENSG00000132199	495.50	322.25 -0.6207046988
ENSG00000132205	620.00	496.50 -0.3204744977
ENSG00000132207	318.00	314.50 -0.0159667484
ENSG00000132254	797.50	643.25 -0.3101049669
ENSG00000132256	701.25	438.00 -0.6789979959
ENSG00000132259	3.25	2.00 -0.7004397181
ENSG00000132274	3517.00	2874.00 -0.2912852732
ENSG00000132275	277.50	232.50 -0.2552570552
ENSG00000132286	475.50	462.75 -0.0392123510
ENSG00000132294	3133.00	2925.25 -0.0989848430
ENSG00000132297	33.25	29.25 -0.1849177159
ENSG00000132300	1071.75	917.25 -0.2245815126
ENSG00000132305	1217.75	1198.75 -0.0226871679
ENSG00000132313	496.75	474.50 -0.0661118802
ENSG00000132321	47.25	15.00 -1.6553518286
ENSG00000132323	389.00	354.75 -0.1329674709
ENSG00000132326	141.00	66.00 -1.0951572330
ENSG00000132329	174.75	164.75 -0.0850139904
ENSG00000132330	135.50	190.50 0.4914981461
ENSG00000132334	47.50	109.75 1.2082215212
ENSG00000132341	2955.50	3076.25 0.0577705321
ENSG00000132356	1900.75	2958.75 0.6384190099
ENSG00000132357	650.25	746.75 0.1996308384
ENSG00000132359	43.25	48.25 0.1578288096
ENSG00000132361	825.00	1044.50 0.3403464679
ENSG00000132376	666.25	843.00 0.3394690033
ENSG00000132382	800.00	869.00 0.1193561770
ENSG00000132383	1451.00	1262.25 -0.2010498420
ENSG00000132386	10841.75	9057.75 -0.2593730196
ENSG00000132388	1050.50	860.50 -0.2878290646
ENSG00000132394	197.75	167.00 -0.2438295920
ENSG00000132405	1404.00	1116.50 -0.3305596845
ENSG00000132406	344.25	408.75 0.2477620763
ENSG00000132423	44.00	45.50 0.0483630216
ENSG00000132424	3963.00	3155.75 -0.3286100484
ENSG00000132429	127.75	154.50 0.2742835470
ENSG00000132432	484.25	505.00 0.0605313390
ENSG00000132434	375.00	286.00 -0.3908754486
ENSG00000132436	211.50	138.50 -0.6107716871
ENSG00000132463	1639.75	1815.75 0.1470897050

ENSG00000132464	25.25	19.75	-0.3544307346
ENSG00000132465	52.25	37.50	-0.4785404416
ENSG00000132466	2797.25	2686.00	-0.0585498935
ENSG00000132467	568.50	643.75	0.1793401781
ENSG00000132470	15.25	11.25	-0.4388842412
ENSG00000132471	1631.00	1568.25	-0.0566012194
ENSG00000132475	4050.75	3179.50	-0.3493891402
ENSG00000132478	456.50	380.25	-0.2636666123
ENSG00000132481	94.25	78.50	-0.2637999644
ENSG00000132485	2196.75	1949.50	-0.1722665392
ENSG00000132507	3449.25	3906.50	0.1795939158
ENSG00000132510	891.25	549.25	-0.6983672069
ENSG00000132517	7.00	3.50	-1.0000000000
ENSG00000132518	1.50	8.00	2.4150374993
ENSG00000132522	719.25	707.50	-0.0237631680
ENSG00000132530	784.25	370.75	-1.0808669314
ENSG00000132535	587.75	415.25	-0.5012224657
ENSG00000132541	562.50	316.50	-0.8296475967
ENSG00000132549	3488.75	2668.25	-0.3868163740
ENSG00000132554	69.75	56.25	-0.3103401206
ENSG00000132561	3691.00	2838.25	-0.3790100665
ENSG00000132563	397.00	405.50	0.0305629071
ENSG00000132570	96.25	71.25	-0.4338965265
ENSG00000132581	792.75	791.00	-0.0031882776
ENSG00000132589	1778.00	2372.25	0.4160007324
ENSG00000132591	537.75	541.00	0.0086929744
ENSG00000132600	550.25	608.75	0.1457626271
ENSG00000132603	257.25	344.25	0.4202855772
ENSG00000132604	521.50	449.00	-0.2159518078
ENSG00000132612	1180.25	1347.25	0.1909251038
ENSG00000132613	2728.25	4429.25	0.6990865794
ENSG00000132622	116.75	20.50	-2.5097267351
ENSG00000132623	112.75	109.00	-0.0487992985
ENSG00000132635	669.75	580.00	-0.2075697758
ENSG00000132639	192.50	160.25	-0.2645340890
ENSG00000132640	1638.75	1604.25	-0.0306967972
ENSG00000132646	1170.00	683.00	-0.7765510462
ENSG00000132661	77.25	56.50	-0.4512840655
ENSG00000132664	163.50	163.00	-0.0044186713
ENSG00000132669	1133.75	1272.75	0.1668465148
ENSG00000132670	2468.00	2517.75	0.0287926433
ENSG00000132676	1323.00	1168.75	-0.1788466966
ENSG00000132677	3.50	3.50	0.0000000000

ENSG00000132680	724.50	693.00	-0.0641303374
ENSG00000132681	4.25	6.50	0.6129768769
ENSG00000132688	975.00	519.75	-0.9075843658
ENSG00000132692	5.25	2.25	-1.2223924213
ENSG00000132693	0.25	1.00	2.0000000000
ENSG00000132694	1365.75	1304.00	-0.0667495535
ENSG00000132702	0.75	0.75	0.0000000000
ENSG00000132704	13.50	17.50	0.3743955148
ENSG00000132716	3088.50	2986.25	-0.0485713820
ENSG00000132718	2355.25	2231.50	-0.0778663975
ENSG00000132740	219.50	432.25	0.9776450241
ENSG00000132746	0.25	0.25	0.0000000000
ENSG00000132749	12.00	6.75	-0.8300749986
ENSG00000132763	135.00	122.00	-0.1460782595
ENSG00000132768	159.50	186.75	0.2275518190
ENSG00000132773	113.25	89.25	-0.3435869760
ENSG00000132780	1079.25	810.50	-0.4131450019
ENSG00000132781	132.50	116.25	-0.1887616435
ENSG00000132792	536.50	536.25	-0.0006724284
ENSG00000132793	169.25	251.50	0.5714025662
ENSG00000132801	136.75	82.75	-0.7247096160
ENSG00000132819	175.25	157.75	-0.1517744390
ENSG00000132821	24.00	24.75	0.0443941194
ENSG00000132823	805.50	934.50	0.2143100750
ENSG00000132824	6450.00	7688.75	0.2534499103
ENSG00000132825	141.50	172.00	0.2816065119
ENSG00000132837	149.75	129.75	-0.2068214644
ENSG00000132840	555.25	424.25	-0.3882228280
ENSG00000132842	1887.50	1928.25	0.0308154665
ENSG00000132846	436.75	261.50	-0.7399967567
ENSG00000132849	244.00	247.00	0.0176298940
ENSG00000132854	10.25	1.50	-2.7725895039
ENSG00000132855	0.50	2.00	2.0000000000
ENSG00000132874	15.75	20.00	0.3446481714
ENSG00000132879	443.75	395.25	-0.1669816569
ENSG00000132881	56.25	77.25	0.4576818367
ENSG00000132906	181.00	187.00	0.0470485728
ENSG00000132912	1640.75	1416.25	-0.2122794771
ENSG00000132915	12.50	10.75	-0.2175914351
ENSG00000132932	3.50	1.75	-1.0000000000
ENSG00000132938	1.25	0.50	-1.3219280949
ENSG00000132950	322.25	241.00	-0.4191472121
ENSG00000132952	329.75	296.25	-0.1545575055

ENSG00000132953	696.50	711.25	0.0302333946
ENSG00000132958	1.75	0.50	-1.8073549221
ENSG00000132963	949.00	1117.50	0.2357948390
ENSG00000132964	298.25	276.50	-0.1092426575
ENSG00000132965	6.25	19.75	1.6599245584
ENSG00000132967	239.75	192.00	-0.3204245043
ENSG00000132970	912.75	1730.00	0.9224803691
ENSG00000132975	1.75	0.75	-1.2223924213
ENSG00000133019	1.25	0.50	-1.3219280949
ENSG00000133026	12986.00	17704.50	0.4471589861
ENSG00000133027	217.75	273.25	0.3275487771
ENSG00000133028	806.50	769.50	-0.0677532068
ENSG00000133030	5270.25	4886.75	-0.1089960993
ENSG00000133048	334.50	266.00	-0.3305799651
ENSG00000133055	3.25	4.00	0.2995602819
ENSG00000133056	260.50	153.75	-0.7606969621
ENSG00000133059	1988.75	1359.00	-0.5493164745
ENSG00000133063	5.75	6.25	0.1202942337
ENSG00000133065	1291.75	1273.75	-0.0202447374
ENSG00000133067	3.00	3.00	0.0000000000
ENSG00000133069	210.75	91.25	-1.2076361672
ENSG00000133083	601.25	422.25	-0.5098675659
ENSG00000133101	2.25	2.50	0.1520030934
ENSG00000133103	800.00	480.25	-0.7362143861
ENSG00000133104	2265.00	2548.50	0.1701373030
ENSG00000133106	179.50	253.75	0.4994239782
ENSG00000133107	23.25	19.25	-0.2723722704
ENSG00000133110	6494.25	2061.75	-1.6552935155
ENSG00000133111	83.25	53.00	-0.6514579125
ENSG00000133112	70754.00	65655.50	-0.1078958398
ENSG00000133114	490.25	392.75	-0.3199063549
ENSG00000133116	8.00	4.75	-0.7520724866
ENSG00000133119	81.75	69.00	-0.2446223687
ENSG00000133121	855.00	1288.00	0.5911362683
ENSG00000133131	1267.25	984.75	-0.3638717470
ENSG00000133134	2.50	1.25	-1.0000000000
ENSG00000133135	36.75	27.75	-0.4052564785
ENSG00000133138	880.25	725.75	-0.2784406552
ENSG00000133142	1765.50	4378.50	1.3103598905
ENSG00000133169	2.00	8.25	2.0443941194
ENSG00000133193	646.00	604.75	-0.0951953007
ENSG00000133195	304.00	251.50	-0.2735129236
ENSG00000133216	657.75	187.00	-1.8145010733

ENSG00000133226	1702.75	1409.50	-0.2726831543
ENSG00000133243	2263.00	2234.25	-0.0184459603
ENSG00000133246	9.25	8.00	-0.2094533656
ENSG00000133247	104.75	78.50	-0.4161856848
ENSG00000133250	148.25	132.25	-0.1647643824
ENSG00000133256	33.00	24.00	-0.4594316186
ENSG00000133265	399.75	389.00	-0.0393278785
ENSG00000133275	1118.50	1082.75	-0.0468650840
ENSG00000133302	137.75	147.00	0.0937638363
ENSG00000133313	1004.25	1000.75	-0.0050368457
ENSG00000133315	152.00	148.50	-0.0336083926
ENSG00000133316	284.75	308.75	0.1167432948
ENSG00000133317	1.00	0.50	-1.0000000000
ENSG00000133318	3538.25	3566.75	0.0115741110
ENSG00000133321	534.00	317.25	-0.7512195778
ENSG00000133328	0.50	0.75	0.5849625007
ENSG00000133392	84.75	116.25	0.4559454429
ENSG00000133393	496.00	470.00	-0.0776793638
ENSG00000133398	461.00	493.50	0.0982833340
ENSG00000133401	71.75	117.25	0.7085371858
ENSG00000133422	847.25	916.75	0.1137406292
ENSG00000133424	1052.50	765.50	-0.4593459505
ENSG00000133433	209.00	276.25	0.4024715222
ENSG00000133454	1.00	2.00	1.0000000000
ENSG00000133460	128.50	84.50	-0.6047451129
ENSG00000133466	396.50	249.50	-0.6682810504
ENSG00000133477	14.00	10.50	-0.4150374993
ENSG00000133488	6.75	9.50	0.4930400113
ENSG00000133519	4.75	3.00	-0.6629650127
ENSG00000133561	0.25	0.75	1.5849625007
ENSG00000133597	264.75	335.00	0.3395304114
ENSG00000133606	2130.00	2100.50	-0.0201206446
ENSG00000133612	1143.25	1170.00	0.0333676107
ENSG00000133619	261.25	186.75	-0.4843227942
ENSG00000133624	291.50	257.50	-0.1789234511
ENSG00000133627	89.50	86.50	-0.0491875496
ENSG00000133639	1281.75	1626.50	0.3436559246
ENSG00000133640	8.25	5.50	-0.5849625007
ENSG00000133641	280.75	358.50	0.3526870963
ENSG00000133657	4592.25	4691.75	0.0309249576
ENSG00000133661	7.75	6.50	-0.2537565922
ENSG00000133665	4.75	6.00	0.3370349873
ENSG00000133678	325.75	269.50	-0.2734799058

ENSG00000133687	5249.50	6972.00	0.4093925528
ENSG00000133703	835.75	774.75	-0.1093406000
ENSG00000133704	1531.25	1372.00	-0.1584293626
ENSG00000133706	2029.25	1860.50	-0.1252562230
ENSG00000133710	0.25	0.50	1.0000000000
ENSG00000133731	286.75	326.25	0.1861844154
ENSG00000133739	186.25	179.00	-0.0572808381
ENSG00000133740	99.75	84.50	-0.2393654999
ENSG00000133742	2.00	2.00	0.0000000000
ENSG00000133773	293.25	263.00	-0.1570683087
ENSG00000133789	3142.00	4344.50	0.4675069690
ENSG00000133794	249.00	309.75	0.3149585401
ENSG00000133800	5.75	8.25	0.5208321633
ENSG00000133805	669.25	948.50	0.5031025398
ENSG00000133808	2.50	8.25	1.7224660245
ENSG00000133812	3072.00	5008.75	0.7052723886
ENSG00000133816	1423.25	2953.50	1.0532365122
ENSG00000133818	2595.75	3468.00	0.4179524563
ENSG00000133835	2629.00	2597.75	-0.0172515453
ENSG00000133858	2131.50	2531.25	0.2479809476
ENSG00000133863	4.50	3.75	-0.2630344058
ENSG00000133872	3279.25	2717.50	-0.2710858573
ENSG00000133874	147.75	94.50	-0.6447718960
ENSG00000133878	2.75	2.50	-0.1375035237
ENSG00000133884	1234.75	995.00	-0.3114505379
ENSG00000133895	689.00	688.00	-0.0020954180
ENSG00000133935	419.50	327.25	-0.3582776185
ENSG00000133937	3.00	2.00	-0.5849625007
ENSG00000133943	752.75	362.75	-1.0531951887
ENSG00000133958	9.25	6.75	-0.4545658635
ENSG00000133961	1693.50	1753.75	0.0504351170
ENSG00000133962	4.50	4.50	0.0000000000
ENSG00000133980	0.50	2.50	2.3219280949
ENSG00000133983	402.00	421.50	0.0683371298
ENSG00000133985	4.50	4.00	-0.1699250014
ENSG00000133997	350.00	334.00	-0.0675068194
ENSG00000134001	1030.00	1178.75	0.1946134335
ENSG00000134007	0.25	0.50	1.0000000000
ENSG00000134013	4233.25	2617.00	-0.6938517670
ENSG00000134014	605.50	577.50	-0.0683060134
ENSG00000134020	11.00	19.00	0.7884958948
ENSG00000134028	5.00	3.00	-0.7369655942
ENSG00000134030	1038.25	1165.50	0.1667951327

ENSG00000134042	8.75	14.75	0.7533600324
ENSG00000134046	1228.50	1662.00	0.4360225244
ENSG00000134049	563.00	621.25	0.1420390244
ENSG00000134056	244.50	342.25	0.4852160763
ENSG00000134057	110.75	116.00	0.0668181066
ENSG00000134058	52.50	36.25	-0.5343364277
ENSG00000134061	2.75	2.50	-0.1375035237
ENSG00000134070	69.75	34.50	-1.0155968551
ENSG00000134072	377.00	351.00	-0.1030934930
ENSG00000134077	746.00	744.00	-0.0038730091
ENSG00000134086	682.50	591.75	-0.2058412451
ENSG00000134107	454.50	279.75	-0.7001421632
ENSG00000134108	2344.50	2475.00	0.0781482461
ENSG00000134109	1192.25	1382.25	0.2133317890
ENSG00000134115	1.00	1.25	0.3219280949
ENSG00000134121	84.50	173.75	1.0399897313
ENSG00000134138	987.75	524.00	-0.9145791294
ENSG00000134146	94.25	84.75	-0.1532792501
ENSG00000134152	357.00	362.50	0.0220569209
ENSG00000134153	1011.25	1035.00	0.0334910651
ENSG00000134160	0.50	2.75	2.4594316186
ENSG00000134183	2.00	1.00	-1.0000000000
ENSG00000134184	2.75	2.00	-0.4594316186
ENSG00000134186	1166.75	1151.00	-0.0196076338
ENSG00000134198	20.00	15.25	-0.3911907573
ENSG00000134201	515.25	307.50	-0.7446861893
ENSG00000134202	1218.50	832.75	-0.5491508970
ENSG00000134215	2.50	1.75	-0.5145731728
ENSG00000134216	0.75	0.25	-1.5849625007
ENSG00000134222	81.25	91.25	0.1674567459
ENSG00000134242	4.50	8.50	0.9175378398
ENSG00000134243	2153.50	9028.50	2.0678029939
ENSG00000134245	317.50	375.50	0.2420563159
ENSG00000134247	1730.25	920.25	-0.9108827550
ENSG00000134248	881.75	980.25	0.1527800661
ENSG00000134250	10447.75	10534.75	0.0119637972
ENSG00000134253	245.00	57.00	-2.1037479248
ENSG00000134255	1193.25	863.75	-0.4662106258
ENSG00000134256	6.75	6.50	-0.0544477840
ENSG00000134259	70.00	24.00	-1.5443205162
ENSG00000134262	220.50	190.00	-0.2147792372
ENSG00000134265	445.50	525.50	0.2382653324
ENSG00000134278	952.00	808.00	-0.2366062806

ENSG00000134283	907.75	947.00	0.0610694007
ENSG00000134285	317.50	358.75	0.1762222399
ENSG00000134287	3160.75	3298.00	0.0613244692
ENSG00000134291	636.50	512.75	-0.3119049274
ENSG00000134294	14037.25	27146.00	0.9514793018
ENSG00000134297	35.50	34.75	-0.0308060468
ENSG00000134308	7285.25	6761.50	-0.1076351449
ENSG00000134313	3755.75	3257.25	-0.2054465803
ENSG00000134317	73.25	45.50	-0.6869622142
ENSG00000134318	3565.75	5556.00	0.6398410423
ENSG00000134321	16.50	2.25	-2.8744691179
ENSG00000134324	4025.25	5094.25	0.3397913727
ENSG00000134326	4.50	2.50	-0.8479969066
ENSG00000134330	700.50	716.00	0.0315745368
ENSG00000134333	10508.75	18799.50	0.8391032187
ENSG00000134339	2.50	3.25	0.3785116233
ENSG00000134343	55.75	69.00	0.3076245569
ENSG00000134352	48051.25	47309.75	-0.0224364244
ENSG00000134363	4513.50	1478.75	-1.6098684388
ENSG00000134365	0.25	0.25	0.0000000000
ENSG00000134369	4695.50	4327.00	-0.1179116706
ENSG00000134371	914.50	1026.25	0.1663271469
ENSG00000134375	704.75	691.50	-0.0273823214
ENSG00000134376	21.50	7.75	-1.4720684443
ENSG00000134398	8.00	6.00	-0.4150374993
ENSG00000134419	9146.25	7874.00	-0.2160836412
ENSG00000134440	2960.25	2747.75	-0.1074682713
ENSG00000134444	605.50	712.25	0.2342567566
ENSG00000134452	1928.50	1848.25	-0.0613192326
ENSG00000134453	1401.75	1243.50	-0.1728225622
ENSG00000134460	4.00	3.75	-0.0931094044
ENSG00000134461	134.25	112.25	-0.2582066432
ENSG00000134463	49.50	62.00	0.3248396903
ENSG00000134470	511.00	533.50	0.0621649799
ENSG00000134480	385.75	391.50	0.0213461507
ENSG00000134489	5.75	4.75	-0.2756344426
ENSG00000134490	121.50	148.00	0.2846408620
ENSG00000134504	198.25	204.25	0.0430152124
ENSG00000134508	1089.00	1574.75	0.5321188572
ENSG00000134516	193.00	137.00	-0.4944249543
ENSG00000134531	4360.50	7607.25	0.8028814455
ENSG00000134532	137.00	160.25	0.2261484637
ENSG00000134533	7.75	14.50	0.9037846847

ENSG00000134539	130.00	67.25	-0.9509054505
ENSG00000134545	1.75	1.00	-0.8073549221
ENSG00000134548	20.50	16.50	-0.3131578853
ENSG00000134551	0.25	0.50	1.0000000000
ENSG00000134569	110.25	50.75	-1.1192989284
ENSG00000134574	1377.25	958.75	-0.5225638852
ENSG00000134575	524.25	601.25	0.1977100326
ENSG00000134588	4.00	2.25	-0.8300749986
ENSG00000134590	4237.75	4422.25	0.0614821059
ENSG00000134594	16.50	8.25	-1.0000000000
ENSG00000134595	3.50	1.25	-1.4854268272
ENSG00000134597	327.75	271.75	-0.2703157452
ENSG00000134602	63.50	66.50	0.0665977487
ENSG00000134627	105.00	108.25	0.0439776971
ENSG00000134644	2496.50	2304.75	-0.1152966390
ENSG00000134668	655.75	709.50	0.1136567818
ENSG00000134684	1690.00	951.25	-0.8291267928
ENSG00000134686	1702.50	4190.25	1.2993815228
ENSG00000134690	27.50	28.25	0.0388192489
ENSG00000134697	901.00	1144.00	0.3444880410
ENSG00000134698	630.00	742.00	0.2360673582
ENSG00000134709	0.75	5.75	2.9385994553
ENSG00000134716	28.00	17.50	-0.6780719051
ENSG00000134717	749.75	720.25	-0.0579118617
ENSG00000134744	978.75	781.50	-0.3246945292
ENSG00000134748	522.25	466.50	-0.1628635062
ENSG00000134755	11.50	5.75	-1.0000000000
ENSG00000134757	3.25	0.50	-2.7004397181
ENSG00000134758	170.50	109.75	-0.6355507995
ENSG00000134759	2242.00	1912.00	-0.2297037548
ENSG00000134762	171.00	498.75	1.5443205162
ENSG00000134769	445.25	230.50	-0.9498488607
ENSG00000134775	3054.50	3053.50	-0.0004723952
ENSG00000134779	2878.75	2111.25	-0.4473450830
ENSG00000134780	189.00	109.00	-0.7940580994
ENSG00000134802	1564.25	998.25	-0.6479980321
ENSG00000134809	186.50	181.25	-0.0411946354
ENSG00000134815	237.75	207.75	-0.1945968641
ENSG00000134824	1958.25	2062.25	0.0746542783
ENSG00000134825	861.75	755.00	-0.1907927492
ENSG00000134830	26.00	20.75	-0.3254002868
ENSG00000134851	1647.00	2214.50	0.4271404422
ENSG00000134852	1002.25	862.25	-0.2170642887

ENSG00000134853	19982.75	26651.75	0.4154751273
ENSG00000134864	88.00	89.75	0.0284084152
ENSG00000134871	3373.00	6038.50	0.8401579015
ENSG00000134873	0.50	1.00	1.0000000000
ENSG00000134874	1997.75	1352.00	-0.5632809028
ENSG00000134882	1334.25	1322.75	-0.0124885936
ENSG00000134884	2375.50	2112.50	-0.1692798654
ENSG00000134897	815.25	767.25	-0.0875457953
ENSG00000134899	1350.25	1234.00	-0.1298841538
ENSG00000134900	1753.25	1885.25	0.1047241217
ENSG00000134901	294.50	227.75	-0.3708165800
ENSG00000134905	811.25	992.00	0.2901935475
ENSG00000134909	537.25	358.75	-0.5826147459
ENSG00000134910	3533.75	3518.50	-0.0062394650
ENSG00000134917	5993.00	6872.75	0.1976091076
ENSG00000134940	1.25	1.25	0.0000000000
ENSG00000134954	1047.75	1105.00	0.0767518481
ENSG00000134955	35.25	21.25	-0.7301604163
ENSG00000134962	7.00	4.50	-0.6374299206
ENSG00000134970	2520.50	2769.50	0.1359155842
ENSG00000134982	1252.50	1326.50	0.0828140721
ENSG00000134986	1059.25	679.00	-0.6415596491
ENSG00000134987	1448.50	800.25	-0.8560370077
ENSG00000134996	383.50	362.50	-0.0812455826
ENSG00000135002	686.25	708.25	0.0455244525
ENSG00000135018	2300.75	2393.75	0.0571682585
ENSG00000135040	448.25	373.75	-0.2622300038
ENSG00000135045	89.50	70.50	-0.3442644249
ENSG00000135046	8685.75	10403.75	0.2603813034
ENSG00000135047	5408.25	5341.75	-0.0178493849
ENSG00000135048	730.50	1236.50	0.7593060616
ENSG00000135049	250.50	243.00	-0.0438542896
ENSG00000135052	2415.50	1724.50	-0.4861437240
ENSG00000135069	1073.75	391.00	-1.4574176187
ENSG00000135070	648.00	843.25	0.3799666001
ENSG00000135074	661.50	844.50	0.3523562665
ENSG00000135077	23.25	21.50	-0.1128940564
ENSG00000135083	9.75	5.00	-0.9634741240
ENSG00000135090	1323.75	1466.00	0.1472544193
ENSG00000135093	444.75	276.75	-0.6844112885
ENSG00000135094	2.75	2.25	-0.2895066172
ENSG00000135097	1.25	1.75	0.4854268272
ENSG00000135100	2.25	2.75	0.2895066172

ENSG00000135108	1191.75	931.25	-0.3558411998
ENSG00000135111	2246.75	1459.75	-0.6221182910
ENSG00000135114	7.25	6.25	-0.2141248054
ENSG00000135116	10.50	5.75	-0.8687554667
ENSG00000135119	23.75	16.75	-0.5037664179
ENSG00000135124	439.00	389.75	-0.1716719168
ENSG00000135127	4.00	4.50	0.1699250014
ENSG00000135148	1071.00	1027.50	-0.0598200862
ENSG00000135164	1165.75	1318.00	0.1770919407
ENSG00000135185	301.25	348.00	0.2081260647
ENSG00000135205	99.25	110.50	0.1549073622
ENSG00000135211	266.50	287.00	0.1069152039
ENSG00000135218	44.75	58.25	0.3803703674
ENSG00000135241	836.25	1103.25	0.3997535364
ENSG00000135245	217.00	232.50	0.0995356736
ENSG00000135248	2.50	5.00	1.0000000000
ENSG00000135249	445.00	420.00	-0.0834160082
ENSG00000135250	1070.50	824.75	-0.3762560178
ENSG00000135253	12.50	5.50	-1.1844245711
ENSG00000135269	1459.25	1186.00	-0.2991230583
ENSG00000135272	1373.50	1390.50	0.0177468343
ENSG00000135297	488.00	350.75	-0.4764380439
ENSG00000135298	1.50	1.00	-0.5849625007
ENSG00000135299	144.00	101.25	-0.5081469037
ENSG00000135312	1.50	10.25	2.7725895039
ENSG00000135314	111.00	77.75	-0.5136450962
ENSG00000135315	395.75	285.50	-0.4710986048
ENSG00000135316	3103.50	2897.75	-0.0989630125
ENSG00000135317	1483.00	1461.25	-0.0213155730
ENSG00000135318	5721.00	2998.75	-0.9319060919
ENSG00000135324	2.50	2.75	0.1375035237
ENSG00000135333	0.50	0.25	-1.0000000000
ENSG00000135334	851.75	745.50	-0.1922216898
ENSG00000135336	712.00	667.00	-0.0941904798
ENSG00000135338	256.75	220.25	-0.2212222574
ENSG00000135341	1608.25	1474.25	-0.1255104945
ENSG00000135346	2.25	3.75	0.7369655942
ENSG00000135362	72.00	156.25	1.1177873781
ENSG00000135363	3.75	2.75	-0.4474589770
ENSG00000135365	1467.25	1345.75	-0.1247042828
ENSG00000135372	779.50	839.00	0.1061217877
ENSG00000135373	0.75	0.25	-1.5849625007
ENSG00000135374	1.75	0.75	-1.2223924213

ENSG00000135378	21.00	32.50	0.6300503902
ENSG00000135387	6786.25	5433.00	-0.3208655317
ENSG00000135390	2024.00	1688.50	-0.2614671107
ENSG00000135392	1038.25	889.00	-0.2238985476
ENSG00000135404	25871.00	21329.00	-0.2785194929
ENSG00000135406	7.75	5.50	-0.4947646917
ENSG00000135407	92.75	94.75	0.0307786616
ENSG00000135414	833.50	586.50	-0.5070510910
ENSG00000135423	4.75	4.50	-0.0780025120
ENSG00000135424	2770.00	1719.75	-0.6876871206
ENSG00000135426	5.25	5.00	-0.0703893279
ENSG00000135436	13.25	10.50	-0.3356030318
ENSG00000135437	340.50	191.00	-0.8340821600
ENSG00000135439	234.25	241.00	0.0409840986
ENSG00000135441	696.00	655.75	-0.0859414036
ENSG00000135446	2543.50	1392.00	-0.8696558830
ENSG00000135447	0.50	1.00	1.0000000000
ENSG00000135451	8.50	11.50	0.4360991148
ENSG00000135452	518.75	528.50	0.0268640403
ENSG00000135454	14.50	22.00	0.6014506235
ENSG00000135457	602.75	510.25	-0.2403554686
ENSG00000135469	149.50	138.75	-0.1076577130
ENSG00000135472	280.00	86.00	-1.7030182622
ENSG00000135473	471.50	493.75	0.0665229773
ENSG00000135476	49.00	60.75	0.3101026595
ENSG00000135477	1.50	1.00	-0.5849625007
ENSG00000135480	174.75	350.50	1.0041219886
ENSG00000135482	264.75	207.00	-0.3549999165
ENSG00000135486	11840.25	11931.00	0.0110154250
ENSG00000135502	33.00	58.50	0.8259706002
ENSG00000135503	697.25	837.00	0.2635515935
ENSG00000135506	8788.75	7699.25	-0.1909400726
ENSG00000135517	1.75	0.25	-2.8073549221
ENSG00000135519	5.50	3.50	-0.6520766966
ENSG00000135521	370.00	401.25	0.1169761215
ENSG00000135525	49.00	43.25	-0.1800816165
ENSG00000135535	7582.00	6634.00	-0.1926994444
ENSG00000135537	85.75	70.50	-0.2825134138
ENSG00000135540	569.75	764.25	0.4237156276
ENSG00000135541	576.75	379.50	-0.6038462133
ENSG00000135547	0.75	1.00	0.4150374993
ENSG00000135549	7.50	2.75	-1.4474589770
ENSG00000135577	4.50	1.75	-1.3625700794

ENSG00000135587	114.50	82.00	-0.4816517835
ENSG00000135596	1223.00	1505.00	0.2993390831
ENSG00000135597	441.25	391.00	-0.1744276709
ENSG00000135604	7.00	33.00	2.2370391973
ENSG00000135605	29.00	20.50	-0.5004289905
ENSG00000135617	193.25	147.50	-0.3897534597
ENSG00000135622	332.00	270.75	-0.2942219037
ENSG00000135624	2572.50	2543.25	-0.0164977920
ENSG00000135631	2018.75	1859.50	-0.1185475119
ENSG00000135632	491.25	437.00	-0.1688241276
ENSG00000135636	5.75	5.00	-0.2016338612
ENSG00000135637	141.75	120.75	-0.2313255461
ENSG00000135643	18.25	12.00	-0.6048620582
ENSG00000135655	816.50	743.75	-0.1346351225
ENSG00000135677	10994.00	8959.50	-0.2952262569
ENSG00000135678	488.25	1318.75	1.4334791446
ENSG00000135679	4326.00	2489.75	-0.7970327792
ENSG00000135686	1624.75	1749.75	0.1069310601
ENSG00000135697	4.50	0.75	-2.5849625007
ENSG00000135698	291.50	289.75	-0.0086872222
ENSG00000135702	6.50	3.50	-0.8930847961
ENSG00000135709	1632.50	1226.75	-0.4122417204
ENSG00000135720	4716.50	4366.00	-0.1114045374
ENSG00000135722	150.25	131.00	-0.1977981792
ENSG00000135723	515.00	323.50	-0.6708067201
ENSG00000135736	308.25	253.75	-0.2806930723
ENSG00000135740	130.00	93.50	-0.4754733531
ENSG00000135744	1106.00	557.25	-0.9889547690
ENSG00000135747	38.75	21.75	-0.8331809094
ENSG00000135749	713.00	489.25	-0.5433302258
ENSG00000135750	56.25	78.00	0.4716210276
ENSG00000135763	156.25	175.50	0.1676148408
ENSG00000135766	1560.25	1711.25	0.1332733298
ENSG00000135773	4.50	2.25	-1.0000000000
ENSG00000135775	509.25	439.00	-0.2141531354
ENSG00000135776	272.00	349.25	0.3606534642
ENSG00000135778	827.75	573.25	-0.5300306558
ENSG00000135801	296.25	374.00	0.3362231161
ENSG00000135821	4656.00	33031.50	2.8266795223
ENSG00000135823	899.00	1148.75	0.3536718407
ENSG00000135824	0.25	0.25	0.0000000000
ENSG00000135828	388.50	344.25	-0.1744579443
ENSG00000135829	3708.25	3428.25	-0.1132661901

ENSG00000135835	542.50	486.50	-0.1571833326
ENSG00000135837	2717.25	2628.00	-0.0481820309
ENSG00000135838	51.50	68.50	0.4115315558
ENSG00000135842	2720.75	1454.75	-0.9032331525
ENSG00000135845	315.50	354.50	0.1681456223
ENSG00000135862	29218.25	40939.25	0.4866149008
ENSG00000135870	671.00	738.25	0.1377966849
ENSG00000135899	485.25	569.75	0.2316008066
ENSG00000135900	364.25	348.75	-0.0627357553
ENSG00000135905	548.75	525.75	-0.0617720897
ENSG00000135912	218.50	256.50	0.2313255461
ENSG00000135913	206.25	204.00	-0.0158249672
ENSG00000135914	24.75	16.25	-0.6069888071
ENSG00000135916	4083.00	3716.00	-0.1358790658
ENSG00000135917	36.50	70.25	0.9446017613
ENSG00000135919	12671.50	6840.50	-0.8894136284
ENSG00000135924	2203.00	1657.75	-0.4102430400
ENSG00000135926	4632.25	5996.25	0.3723474175
ENSG00000135929	1183.25	1051.25	-0.1706491216
ENSG00000135930	1327.25	1299.50	-0.0304835077
ENSG00000135931	941.50	1245.75	0.4039815741
ENSG00000135932	1697.50	1742.75	0.0379540532
ENSG00000135940	1097.50	1083.25	-0.0188547032
ENSG00000135945	451.50	399.00	-0.1783372413
ENSG00000135951	40.25	43.25	0.1037113495
ENSG00000135953	214.50	180.75	-0.2469820005
ENSG00000135956	2307.75	2626.25	0.1865173125
ENSG00000135966	708.00	730.50	0.0451349127
ENSG00000135968	1596.25	1356.75	-0.2345317112
ENSG00000135972	344.25	271.50	-0.3425044563
ENSG00000135973	0.50	1.00	1.0000000000
ENSG00000135974	569.50	542.25	-0.0707376940
ENSG00000135976	345.25	217.25	-0.6682852374
ENSG00000135999	688.50	561.75	-0.2935284350
ENSG00000136002	40.00	23.25	-0.7827692838
ENSG00000136003	2930.25	2500.00	-0.2290956614
ENSG00000136010	2537.50	1905.50	-0.4132382141
ENSG00000136011	8.75	19.25	1.1375035237
ENSG00000136014	210.00	255.00	0.2801079192
ENSG00000136021	1306.50	1104.75	-0.2419871936
ENSG00000136026	4890.75	3886.75	-0.3314914055
ENSG00000136040	5092.50	4652.50	-0.1303679249
ENSG00000136044	2705.50	2235.50	-0.2752976954

ENSG00000136045	937.75	927.75	-0.0154672620
ENSG00000136048	6966.00	5333.75	-0.3851802675
ENSG00000136051	2047.75	2273.75	0.1510340435
ENSG00000136052	467.75	242.25	-0.9492409878
ENSG00000136059	171.00	140.00	-0.2885694979
ENSG00000136068	1861.25	2428.75	0.3839421470
ENSG00000136098	234.75	233.75	-0.0061587929
ENSG00000136100	787.00	848.50	0.1085510240
ENSG00000136104	363.50	293.50	-0.3085948608
ENSG00000136108	446.00	345.75	-0.3673144588
ENSG00000136111	636.50	795.25	0.3212479526
ENSG00000136114	113.25	116.50	0.0408189046
ENSG00000136122	61.75	68.00	0.1390956097
ENSG00000136141	662.50	405.50	-0.7082185401
ENSG00000136143	752.00	652.75	-0.2042021094
ENSG00000136144	1046.75	796.50	-0.3941706512
ENSG00000136146	677.25	682.00	0.0100832508
ENSG00000136147	492.75	495.75	0.0087569012
ENSG00000136149	14.25	18.00	0.3370349873
ENSG00000136152	622.00	588.75	-0.0792594256
ENSG00000136153	3625.75	4315.00	0.2510811065
ENSG00000136156	13537.75	16977.50	0.3266360522
ENSG00000136158	205.50	300.50	0.5482265970
ENSG00000136159	239.50	211.50	-0.1793679926
ENSG00000136160	542.75	852.50	0.6514120133
ENSG00000136161	305.75	317.25	0.0532676653
ENSG00000136167	7.25	4.50	-0.6880559937
ENSG00000136169	482.75	434.25	-0.1527504102
ENSG00000136193	4485.00	5646.00	0.3321211436
ENSG00000136197	60.25	53.75	-0.1646964866
ENSG00000136205	9568.75	8529.75	-0.1658270147
ENSG00000136206	11.75	6.25	-0.9107326619
ENSG00000136213	531.00	639.25	0.2676683944
ENSG00000136231	349.00	401.00	0.2003752002
ENSG00000136235	32392.75	22232.50	-0.5430007661
ENSG00000136237	24.50	214.75	3.1318044770
ENSG00000136238	4865.00	5186.75	0.0923910288
ENSG00000136240	5218.00	4796.00	-0.1216652854
ENSG00000136243	273.00	249.75	-0.1284162731
ENSG00000136244	215.25	130.25	-0.7247298651
ENSG00000136247	738.25	744.75	0.0126467671
ENSG00000136261	513.75	330.00	-0.6386004643
ENSG00000136267	32.50	11.25	-1.5305147167

ENSG00000136270	504.50	661.25	0.3903415479
ENSG00000136271	735.00	805.25	0.1316925057
ENSG00000136273	240.50	226.75	-0.0849343432
ENSG00000136274	423.50	320.25	-0.4031633990
ENSG00000136279	2159.75	1995.50	-0.1141140453
ENSG00000136280	674.00	662.50	-0.0248281368
ENSG00000136286	1.25	1.50	0.2630344058
ENSG00000136295	2988.25	1767.50	-0.7575906355
ENSG00000136305	20.25	17.25	-0.2313255461
ENSG00000136319	312.75	238.00	-0.3940483109
ENSG00000136367	66.00	44.75	-0.5605783421
ENSG00000136371	106.75	120.00	0.1687983360
ENSG00000136378	1306.00	2094.50	0.6814509873
ENSG00000136379	449.25	617.25	0.4583364276
ENSG00000136381	1164.75	1160.25	-0.0055846329
ENSG00000136383	27.00	88.25	1.7086368711
ENSG00000136404	24.75	41.75	0.7543476724
ENSG00000136425	72.50	51.25	-0.5004289905
ENSG00000136436	2176.00	3980.75	0.8713617132
ENSG00000136444	509.50	382.75	-0.4126797687
ENSG00000136448	3352.00	2995.50	-0.1622253155
ENSG00000136449	43.25	48.25	0.1578288096
ENSG00000136450	2561.00	2418.00	-0.0828930083
ENSG00000136451	1703.25	1730.75	0.0231071414
ENSG00000136457	19.00	19.00	0.0000000000
ENSG00000136463	266.75	230.50	-0.2107215204
ENSG00000136478	2074.25	5355.25	1.3683641400
ENSG00000136485	1774.75	1931.75	0.1222925841
ENSG00000136488	0.25	0.25	0.0000000000
ENSG00000136490	73.75	62.00	-0.2503748339
ENSG00000136492	92.75	95.75	0.0459252053
ENSG00000136504	850.25	678.25	-0.3260699584
ENSG00000136514	67.00	41.50	-0.6910497591
ENSG00000136518	518.00	456.50	-0.1823372377
ENSG00000136521	936.00	807.75	-0.2125996843
ENSG00000136522	333.00	336.75	0.0161557684
ENSG00000136527	1432.25	1311.75	-0.1267905478
ENSG00000136531	374.25	171.00	-1.1300059912
ENSG00000136535	0.75	3.00	2.0000000000
ENSG00000136536	2109.00	1624.25	-0.3767853899
ENSG00000136541	3.25	0.50	-2.7004397181
ENSG00000136542	3000.50	2525.75	-0.2484910823
ENSG00000136546	2887.50	6788.25	1.2332187514

ENSG00000136560	1033.00	1360.75	0.3975617819
ENSG00000136573	2.50	3.25	0.3785116233
ENSG00000136603	957.25	814.50	-0.2329810563
ENSG00000136628	3209.25	2316.25	-0.4704452034
ENSG00000136630	375.00	424.50	0.1788739582
ENSG00000136631	793.00	673.75	-0.2351074981
ENSG00000136634	1.75	0.50	-1.8073549221
ENSG00000136636	1872.50	1398.50	-0.4210854649
ENSG00000136643	835.25	632.75	-0.4005724752
ENSG00000136682	350.50	338.50	-0.0502586104
ENSG00000136699	1276.00	1157.00	-0.1412394647
ENSG00000136709	1202.75	1165.25	-0.0456972865
ENSG00000136710	712.00	607.50	-0.2289928325
ENSG00000136715	746.25	566.50	-0.3975830703
ENSG00000136717	886.00	576.75	-0.6193605999
ENSG00000136718	502.00	577.75	0.2027579905
ENSG00000136720	1304.75	1738.75	0.4142771128
ENSG00000136731	2928.75	2595.50	-0.1742725614
ENSG00000136732	1508.25	1131.25	-0.4149577902
ENSG00000136738	1041.25	847.25	-0.2974568588
ENSG00000136754	1143.25	1167.50	0.0302816308
ENSG00000136758	3530.00	3334.75	-0.0820895742
ENSG00000136770	605.25	520.00	-0.2190195510
ENSG00000136783	250.50	322.75	0.3656064921
ENSG00000136802	1480.50	1328.75	-0.1560147988
ENSG00000136807	851.75	855.00	0.0054943777
ENSG00000136810	3014.25	2706.75	-0.1552374342
ENSG00000136811	620.25	597.00	-0.0551188986
ENSG00000136813	2752.75	3023.50	0.1353459862
ENSG00000136816	811.00	787.50	-0.0424219909
ENSG00000136819	1016.75	967.25	-0.0720042620
ENSG00000136824	605.50	502.75	-0.2682857834
ENSG00000136826	1696.25	899.75	-0.9147527134
ENSG00000136827	951.50	1026.00	0.1087551693
ENSG00000136828	149.75	89.75	-0.7385721590
ENSG00000136830	15081.25	22258.00	0.5615679542
ENSG00000136840	367.75	432.50	0.2339747913
ENSG00000136842	177.00	125.25	-0.4989387569
ENSG00000136848	1803.25	1521.25	-0.2453421609
ENSG00000136854	1550.25	1347.50	-0.2022156165
ENSG00000136856	152.00	143.25	-0.0855361847
ENSG00000136859	9104.50	4338.75	-1.0693003295
ENSG00000136861	2002.00	1501.75	-0.4147973103

ENSG00000136866	73.50	57.75	-0.3479233034
ENSG00000136867	139.00	181.25	0.3828961122
ENSG00000136868	970.00	1226.50	0.3384905815
ENSG00000136869	232.50	345.00	0.5693656457
ENSG00000136870	390.50	296.75	-0.3960745185
ENSG00000136872	3.00	2.75	-0.1255308821
ENSG00000136874	393.00	393.25	0.0009174532
ENSG00000136875	535.75	496.00	-0.1112198243
ENSG00000136877	869.25	1258.75	0.5341487112
ENSG00000136878	616.75	493.00	-0.3230981639
ENSG00000136881	0.50	0.50	0.0000000000
ENSG00000136883	1.00	1.00	0.0000000000
ENSG00000136888	1214.75	1011.75	-0.2638065834
ENSG00000136891	670.50	615.50	-0.1234784754
ENSG00000136895	62.50	46.75	-0.4188898248
ENSG00000136897	265.00	272.00	0.0376142918
ENSG00000136908	393.75	405.25	0.0415322622
ENSG00000136925	561.75	436.50	-0.3639465656
ENSG00000136928	121.75	167.00	0.4559263304
ENSG00000136929	3.00	1.75	-0.7776075787
ENSG00000136930	1928.25	1629.50	-0.2428627588
ENSG00000136932	172.50	146.75	-0.2332358586
ENSG00000136933	383.50	353.50	-0.1175163627
ENSG00000136935	791.00	682.25	-0.2133772052
ENSG00000136936	232.75	183.75	-0.3410369178
ENSG00000136937	924.50	803.75	-0.2019264872
ENSG00000136938	2484.00	2427.00	-0.0334910651
ENSG00000136940	520.00	407.25	-0.3525969245
ENSG00000136942	5324.25	4751.75	-0.1641193798
ENSG00000136943	4.25	7.75	0.8667334691
ENSG00000136944	3.00	2.00	-0.5849625007
ENSG00000136950	385.25	363.25	-0.0848321589
ENSG00000136960	663.00	303.75	-1.1261244616
ENSG00000136982	84.75	75.50	-0.1667367238
ENSG00000136986	1511.00	1715.50	0.1831254654
ENSG00000136997	572.50	968.00	0.7577313543
ENSG00000136999	806.25	117.75	-2.7755001956
ENSG00000137033	978.50	747.00	-0.3894636078
ENSG00000137038	355.50	345.00	-0.0432531980
ENSG00000137040	529.75	433.00	-0.2909446576
ENSG00000137054	476.25	380.50	-0.3238226389
ENSG00000137055	705.75	575.50	-0.2943412953
ENSG00000137070	527.25	423.75	-0.3152738218

ENSG00000137073	808.00	755.50	-0.0969235376
ENSG00000137074	466.50	385.00	-0.2770186353
ENSG00000137075	915.50	927.25	0.0183984767
ENSG00000137076	16866.75	23939.50	0.5052110084
ENSG00000137078	2.00	1.25	-0.6780719051
ENSG00000137094	398.00	312.00	-0.3512224017
ENSG00000137098	41.75	20.75	-1.0086648611
ENSG00000137100	862.50	704.75	-0.2914128840
ENSG00000137101	62.25	50.75	-0.2946660149
ENSG00000137103	569.75	548.75	-0.0541799848
ENSG00000137106	1206.25	1250.75	0.0522645099
ENSG00000137124	487.00	901.00	0.8876053337
ENSG00000137133	160.75	134.50	-0.2572125648
ENSG00000137135	37.75	32.00	-0.2384047393
ENSG00000137142	0.25	1.00	2.0000000000
ENSG00000137145	1501.00	1467.75	-0.0323177203
ENSG00000137154	26478.00	23081.00	-0.1980884221
ENSG00000137161	588.75	545.00	-0.1113989248
ENSG00000137166	370.00	391.00	0.0796433368
ENSG00000137168	297.50	285.00	-0.0619277491
ENSG00000137171	444.50	332.50	-0.4188290784
ENSG00000137177	4506.00	4631.00	0.0394764435
ENSG00000137185	138.50	109.75	-0.3356650365
ENSG00000137193	1060.75	529.25	-1.0030634093
ENSG00000137198	200.50	213.25	0.0889435049
ENSG00000137200	1300.00	1248.50	-0.0583158020
ENSG00000137203	116.50	41.00	-1.5066341400
ENSG00000137207	2349.00	2296.00	-0.0329240713
ENSG00000137210	664.50	625.25	-0.0878360471
ENSG00000137216	1003.00	805.50	-0.3163651119
ENSG00000137218	79.50	74.50	-0.0937144348
ENSG00000137221	654.50	646.00	-0.0188590273
ENSG00000137225	1.50	1.00	-0.5849625007
ENSG00000137261	12.25	5.25	-1.2223924213
ENSG00000137265	149.00	288.50	0.9532589882
ENSG00000137266	328.25	120.75	-1.4427718221
ENSG00000137267	402.00	439.75	0.1294880763
ENSG00000137269	110.50	140.00	0.3413804576
ENSG00000137270	3.25	2.00	-0.7004397181
ENSG00000137273	3025.75	1686.25	-0.8434743479
ENSG00000137274	219.75	150.25	-0.5484981744
ENSG00000137275	1036.00	991.25	-0.0637031371
ENSG00000137285	48.50	34.75	-0.4809717695

ENSG00000137288	467.50	333.25	-0.4883614897
ENSG00000137309	3874.50	2509.50	-0.6266101981
ENSG00000137310	17.00	11.25	-0.5956097449
ENSG00000137312	437.25	487.50	0.1569438347
ENSG00000137313	155.00	151.25	-0.0353330731
ENSG00000137332	0.25	1.00	2.0000000000
ENSG00000137337	17.75	25.25	0.5084643632
ENSG00000137338	172.00	162.00	-0.0864147518
ENSG00000137343	32.00	18.00	-0.8300749986
ENSG00000137364	415.25	297.00	-0.4835172372
ENSG00000137393	71.25	248.75	1.8037346064
ENSG00000137403	9.50	5.25	-0.8556100907
ENSG00000137404	23.00	14.25	-0.6906719419
ENSG00000137409	4555.50	3956.50	-0.2033846520
ENSG00000137411	75.50	52.00	-0.5379650212
ENSG00000137413	455.00	400.00	-0.1858665453
ENSG00000137414	1785.50	1720.75	-0.0532906240
ENSG00000137434	7.25	5.00	-0.5360529002
ENSG00000137449	252.50	249.50	-0.0172435723
ENSG00000137460	22.75	17.25	-0.3992701834
ENSG00000137462	34.75	25.50	-0.4465157308
ENSG00000137463	230.75	295.00	0.3543843066
ENSG00000137473	1.00	0.25	-2.0000000000
ENSG00000137474	2.75	8.50	1.6280312226
ENSG00000137478	758.25	872.00	0.2016545422
ENSG00000137486	307.50	224.00	-0.4570876782
ENSG00000137491	2.75	2.00	-0.4594316186
ENSG00000137492	910.50	843.25	-0.1106986040
ENSG00000137494	360.25	307.75	-0.2272395737
ENSG00000137496	100.75	72.50	-0.4747269385
ENSG00000137497	9328.50	7003.00	-0.4136720304
ENSG00000137500	1118.50	913.75	-0.2916938502
ENSG00000137501	1192.00	802.50	-0.5708109385
ENSG00000137502	942.00	670.25	-0.4910277456
ENSG00000137504	1294.25	1222.25	-0.0825769129
ENSG00000137507	3594.50	3112.00	-0.2079490434
ENSG00000137509	3177.00	3144.50	-0.0148344545
ENSG00000137513	213.50	174.75	-0.2889436142
ENSG00000137522	381.75	314.25	-0.2807154124
ENSG00000137547	330.75	409.25	0.3072412602
ENSG00000137561	3.50	7.50	1.0995356736
ENSG00000137563	238.50	272.50	0.1922669637
ENSG00000137571	6.00	10.25	0.7725895039

ENSG00000137573	16921.75	15595.50	-0.1177489686
ENSG00000137574	380.75	347.75	-0.1307935219
ENSG00000137575	7285.25	5450.75	-0.4185237283
ENSG00000137601	839.00	686.25	-0.2899365665
ENSG00000137628	505.00	433.25	-0.2210836385
ENSG00000137634	0.50	0.50	0.0000000000
ENSG00000137642	22.75	14.00	-0.7004397181
ENSG00000137648	10.75	13.75	0.3550949588
ENSG00000137656	211.50	160.50	-0.3980843660
ENSG00000137672	309.00	1019.00	1.7214753083
ENSG00000137673	0.25	10.25	5.3575520046
ENSG00000137675	3.25	1.00	-1.7004397181
ENSG00000137691	80.25	73.00	-0.1366049282
ENSG00000137692	313.75	330.50	0.0750348127
ENSG00000137693	5075.25	5771.00	0.1853424417
ENSG00000137699	3.75	4.75	0.3410369178
ENSG00000137700	174.75	147.00	-0.2494763005
ENSG00000137707	0.50	1.75	1.8073549221
ENSG00000137709	5.75	5.25	-0.1312445333
ENSG00000137710	2323.25	1910.00	-0.2825717696
ENSG00000137713	995.25	770.75	-0.3687959820
ENSG00000137714	243.25	231.25	-0.0729864394
ENSG00000137720	166.00	136.75	-0.2796424086
ENSG00000137726	5.25	2.25	-1.2223924213
ENSG00000137727	1396.75	922.75	-0.5980620827
ENSG00000137731	0.50	0.50	0.0000000000
ENSG00000137745	1.25	0.75	-0.7369655942
ENSG00000137747	8.00	5.00	-0.6780719051
ENSG00000137752	322.50	219.50	-0.5550782208
ENSG00000137760	196.00	193.50	-0.0185200880
ENSG00000137764	546.75	539.50	-0.0192583556
ENSG00000137766	21.00	18.75	-0.1634987323
ENSG00000137767	1695.75	3222.50	0.9262568658
ENSG00000137770	573.50	472.00	-0.2810066267
ENSG00000137776	1399.00	1308.75	-0.0962064253
ENSG00000137801	43944.75	146582.00	1.7379452294
ENSG00000137802	711.50	762.00	0.0989272410
ENSG00000137804	128.75	105.25	-0.2907521990
ENSG00000137806	205.25	233.50	0.1860403279
ENSG00000137807	116.25	139.25	0.2604466113
ENSG00000137809	1972.50	512.75	-1.9436978084
ENSG00000137812	49.25	39.25	-0.3274310706
ENSG00000137814	495.75	438.00	-0.1786819026

ENSG00000137815	1782.00	1457.75	-0.2897540141
ENSG00000137817	816.50	741.50	-0.1390061931
ENSG00000137818	20240.25	19427.50	-0.0591268480
ENSG00000137819	254.00	256.00	0.0113153132
ENSG00000137821	350.00	203.50	-0.7823261276
ENSG00000137822	552.50	476.75	-0.2127415260
ENSG00000137824	610.50	623.25	0.0298196825
ENSG00000137825	15.25	10.25	-0.5731853329
ENSG00000137831	3424.00	2367.00	-0.5326229957
ENSG00000137834	378.75	330.50	-0.1965956169
ENSG00000137841	5.50	1.50	-1.8744691179
ENSG00000137842	172.50	183.25	0.0872168365
ENSG00000137843	2.00	1.25	-0.6780719051
ENSG00000137845	3948.50	3578.50	-0.1419497107
ENSG00000137857	33.50	40.75	0.2826389638
ENSG00000137860	16.25	11.00	-0.5629361944
ENSG00000137868	7.00	6.00	-0.2223924213
ENSG00000137869	51.00	77.25	0.5990376859
ENSG00000137871	785.50	657.00	-0.2577179050
ENSG00000137872	410.75	171.75	-1.2579504761
ENSG00000137875	0.75	0.50	-0.5849625007
ENSG00000137876	1217.75	1167.50	-0.0607954332
ENSG00000137877	13.75	22.00	0.6780719051
ENSG00000137880	38.50	120.00	1.6401040549
ENSG00000137936	672.50	627.75	-0.0993441442
ENSG00000137941	539.00	464.25	-0.2153833628
ENSG00000137942	528.50	636.00	0.2671232939
ENSG00000137944	613.00	550.75	-0.1544894840
ENSG00000137947	340.75	324.75	-0.0693841314
ENSG00000137948	1.50	0.50	-1.5849625007
ENSG00000137955	499.25	513.00	0.0391963982
ENSG00000137959	59.25	152.75	1.3662853209
ENSG00000137960	16.00	21.00	0.3923174228
ENSG00000137962	2934.25	6122.75	1.0611879823
ENSG00000137965	288.75	125.25	-1.2050103431
ENSG00000137968	7.25	3.75	-0.9510903995
ENSG00000137970	3.50	4.25	0.2801079192
ENSG00000137975	718.25	424.50	-0.7587215340
ENSG00000137976	0.25	0.50	1.0000000000
ENSG00000137992	729.25	700.75	-0.0575136419
ENSG00000137996	543.25	560.75	0.0457414459
ENSG00000138002	659.75	527.00	-0.3241164837
ENSG00000138018	334.00	300.25	-0.1536838568

ENSG00000138028	242.00	325.50	0.4276504959
ENSG00000138029	2454.75	2570.75	0.0666132148
ENSG00000138030	30.00	43.00	0.5193741591
ENSG00000138031	1523.25	1951.50	0.3574307224
ENSG00000138032	696.25	961.25	0.4653062706
ENSG00000138035	404.75	407.75	0.0106537964
ENSG00000138036	382.25	417.75	0.1281233267
ENSG00000138039	11.00	26.50	1.2684888359
ENSG00000138050	163.50	131.25	-0.3169732129
ENSG00000138061	1921.00	1784.75	-0.1061355170
ENSG00000138069	3386.25	3608.25	0.0916108117
ENSG00000138071	5120.50	5565.75	0.1202914162
ENSG00000138073	1173.25	2315.75	0.9809690532
ENSG00000138074	302.25	624.75	1.0475366568
ENSG00000138075	0.25	2.50	3.3219280949
ENSG00000138078	2285.50	1279.50	-0.8369296716
ENSG00000138079	9.25	5.25	-0.8171359429
ENSG00000138080	12307.50	13357.50	0.1181122776
ENSG00000138081	1454.75	1310.50	-0.1506538924
ENSG00000138083	0.75	1.00	0.4150374993
ENSG00000138085	1861.00	1720.25	-0.1134598117
ENSG00000138092	253.75	170.75	-0.5715222438
ENSG00000138095	2289.50	1979.00	-0.2102609526
ENSG00000138100	1.50	0.50	-1.5849625007
ENSG00000138101	119.50	88.25	-0.4373424347
ENSG00000138107	3226.75	3199.25	-0.0123480722
ENSG00000138109	1.75	1.00	-0.8073549221
ENSG00000138111	89.50	77.25	-0.2123527494
ENSG00000138115	1.50	1.25	-0.2630344058
ENSG00000138119	15490.50	18124.00	0.2265176840
ENSG00000138131	967.75	826.00	-0.2284926209
ENSG00000138134	291.25	267.25	-0.1240681018
ENSG00000138135	63.00	20.75	-1.6022404922
ENSG00000138138	534.25	550.00	0.0419166158
ENSG00000138152	0.25	0.50	1.0000000000
ENSG00000138160	216.25	141.50	-0.6118980797
ENSG00000138161	26.25	18.50	-0.5047921520
ENSG00000138162	179.50	154.75	-0.2140444346
ENSG00000138166	247.25	597.75	1.2735717040
ENSG00000138172	1214.75	1179.00	-0.0430957141
ENSG00000138175	564.50	533.75	-0.0808094163
ENSG00000138180	48.50	44.50	-0.1241794112
ENSG00000138182	223.50	133.00	-0.7488485857

ENSG00000138185	1092.00	733.75	-0.5736123529
ENSG00000138190	353.75	362.25	0.0342555418
ENSG00000138193	297.50	428.25	0.5255635779
ENSG00000138207	6.75	9.00	0.4150374993
ENSG00000138231	272.00	252.00	-0.1101829178
ENSG00000138246	4464.75	4072.75	-0.1325761358
ENSG00000138271	0.75	0.75	0.0000000000
ENSG00000138279	2517.50	2055.00	-0.2928533843
ENSG00000138286	815.75	653.75	-0.3193880410
ENSG00000138303	499.50	434.50	-0.2011285010
ENSG00000138311	240.25	143.00	-0.7485212840
ENSG00000138315	0.25	0.75	1.5849625007
ENSG00000138316	1439.00	269.00	-2.4193885142
ENSG00000138326	12023.75	10467.50	-0.1999699998
ENSG00000138336	92.25	76.50	-0.2700891634
ENSG00000138346	74.00	58.25	-0.3452672210
ENSG00000138347	21.25	10.00	-1.0874628413
ENSG00000138356	2601.75	6495.75	1.3200137677
ENSG00000138363	1177.50	1147.75	-0.0369186278
ENSG00000138375	720.75	569.00	-0.3410702792
ENSG00000138376	112.00	97.25	-0.2037285771
ENSG00000138378	17.00	11.50	-0.5639008852
ENSG00000138379	77.50	235.50	1.6034588443
ENSG00000138380	334.75	174.50	-0.9398570191
ENSG00000138381	1070.00	1069.75	-0.0003371177
ENSG00000138382	354.25	432.50	0.2879322796
ENSG00000138385	1869.50	3257.50	0.8011127076
ENSG00000138386	758.25	513.75	-0.5616071041
ENSG00000138395	134.25	100.50	-0.4177265868
ENSG00000138398	1447.00	1243.75	-0.2183683962
ENSG00000138399	193.50	169.00	-0.1953103199
ENSG00000138400	36.75	18.75	-0.9708536543
ENSG00000138411	58.50	40.75	-0.5216365654
ENSG00000138413	1684.25	1466.50	-0.1997292282
ENSG00000138430	1096.25	881.00	-0.3153629184
ENSG00000138433	900.00	705.50	-0.3512789186
ENSG00000138434	3841.25	3204.50	-0.2614765920
ENSG00000138435	3.75	2.00	-0.9068905956
ENSG00000138439	176.25	137.50	-0.3581916389
ENSG00000138442	435.75	411.75	-0.0817320144
ENSG00000138443	1466.75	1134.00	-0.3712023517
ENSG00000138448	6068.25	5837.50	-0.0559298782
ENSG00000138449	6689.50	7432.00	0.1518521196

ENSG00000138459	867.75	975.75	0.1692320976
ENSG00000138463	348.75	376.75	0.1114142949
ENSG00000138468	451.00	235.25	-0.9389327105
ENSG00000138483	0.75	10.50	3.8073549221
ENSG00000138495	146.75	140.50	-0.0627903729
ENSG00000138496	1097.75	687.75	-0.6745933948
ENSG00000138587	89.25	50.75	-0.8144443468
ENSG00000138592	1618.00	1588.50	-0.0265465177
ENSG00000138593	2303.00	1962.00	-0.2311893696
ENSG00000138594	1891.25	1592.25	-0.2482732105
ENSG00000138600	1778.00	1733.75	-0.0363594416
ENSG00000138604	1118.00	1940.00	0.7951364642
ENSG00000138606	139.00	97.75	-0.5079162754
ENSG00000138613	725.00	709.50	-0.0311783108
ENSG00000138614	553.75	512.00	-0.1130909834
ENSG00000138615	505.00	1134.00	1.1670653473
ENSG00000138617	227.50	177.25	-0.3600809178
ENSG00000138621	87.00	82.75	-0.0722560890
ENSG00000138622	0.25	0.25	0.0000000000
ENSG00000138623	273.75	364.75	0.4140490134
ENSG00000138629	753.75	773.75	0.0377814073
ENSG00000138639	557.75	497.25	-0.1656472374
ENSG00000138640	1071.50	997.00	-0.1039664403
ENSG00000138641	1100.25	1226.00	0.1561276073
ENSG00000138642	261.25	134.75	-0.9551457642
ENSG00000138646	106.00	55.50	-0.9335045882
ENSG00000138650	202.75	125.75	-0.6891435144
ENSG00000138653	0.50	0.25	-1.0000000000
ENSG00000138658	88.75	50.00	-0.8278190246
ENSG00000138660	252.75	263.00	0.0573517074
ENSG00000138663	723.75	596.00	-0.2801791124
ENSG00000138668	1815.00	1618.25	-0.1655350443
ENSG00000138669	438.25	168.50	-1.3790054996
ENSG00000138670	11.50	12.75	0.1488633859
ENSG00000138674	10367.75	8369.25	-0.3089325874
ENSG00000138675	1783.25	1606.50	-0.1505879928
ENSG00000138678	84.25	155.00	0.8795196241
ENSG00000138684	0.50	0.25	-1.0000000000
ENSG00000138685	1866.75	1498.75	-0.3167689774
ENSG00000138686	590.25	754.00	0.3532383870
ENSG00000138688	4472.00	4075.50	-0.1339431219
ENSG00000138696	43.75	50.00	0.1926450779
ENSG00000138698	1188.50	1125.25	-0.0788963386

ENSG00000138709	219.75	273.75	0.3169957993
ENSG00000138722	0.75	0.50	-0.5849625007
ENSG00000138735	11092.00	4455.75	-1.3157793271
ENSG00000138738	326.25	315.50	-0.0483378965
ENSG00000138741	16.75	17.25	0.0424352663
ENSG00000138744	173.25	256.50	0.5661034735
ENSG00000138750	666.50	623.00	-0.0973727121
ENSG00000138755	0.25	0.50	1.0000000000
ENSG00000138756	2318.75	1528.75	-0.6009947830
ENSG00000138757	3148.00	2960.00	-0.0888383650
ENSG00000138758	24664.25	25339.00	0.0389381719
ENSG00000138759	17.75	26.75	0.5917198669
ENSG00000138760	10491.00	9087.25	-0.2072365273
ENSG00000138764	1514.75	1311.75	-0.2075869156
ENSG00000138767	525.00	450.25	-0.2215911466
ENSG00000138768	2616.00	2817.75	0.1071810759
ENSG00000138769	11.25	6.50	-0.7914133782
ENSG00000138771	999.50	1427.75	0.5144649125
ENSG00000138772	77.75	63.75	-0.2864173333
ENSG00000138777	493.00	439.75	-0.1649040689
ENSG00000138778	197.75	168.00	-0.2352164617
ENSG00000138780	194.75	153.50	-0.3433846727
ENSG00000138785	309.00	290.50	-0.0890686745
ENSG00000138792	23.25	39.75	0.7737241442
ENSG00000138794	191.25	133.25	-0.5213242148
ENSG00000138795	128.50	157.75	0.2958716458
ENSG00000138796	571.75	521.50	-0.1327172079
ENSG00000138798	5.75	2.00	-1.5235619561
ENSG00000138801	1256.00	1078.75	-0.2194759048
ENSG00000138802	1115.00	1409.75	0.3383956328
ENSG00000138813	6.50	2.25	-1.5305147167
ENSG00000138814	1401.50	1270.25	-0.1418592802
ENSG00000138821	371.50	318.00	-0.2243354453
ENSG00000138823	1.50	8.25	2.4594316186
ENSG00000138829	6770.25	30340.00	2.1639400724
ENSG00000138834	1566.25	1271.00	-0.3013504792
ENSG00000138835	998.50	862.25	-0.2116562040
ENSG00000138867	1866.00	1746.00	-0.0958954272
ENSG00000138942	1299.00	1444.00	0.1526693114
ENSG00000138944	379.50	168.00	-1.1756386526
ENSG00000138964	0.25	0.25	0.0000000000
ENSG00000139055	6.50	29.00	2.1575412770
ENSG00000139083	550.00	595.25	0.1140640969

ENSG00000139112	6039.25	7254.25	0.2644570693
ENSG00000139116	90.75	72.00	-0.3339007366
ENSG00000139117	221.25	167.00	-0.4058293525
ENSG00000139131	223.25	211.25	-0.0797088340
ENSG00000139132	487.25	1859.00	1.9317926797
ENSG00000139133	57.00	57.00	0.0000000000
ENSG00000139144	1.00	1.00	0.0000000000
ENSG00000139146	55.50	69.75	0.3297054455
ENSG00000139154	838.75	658.50	-0.3490574208
ENSG00000139155	1.00	1.00	0.0000000000
ENSG00000139160	133.50	89.25	-0.5809156677
ENSG00000139163	704.00	618.75	-0.1862188088
ENSG00000139168	814.75	667.25	-0.2881300466
ENSG00000139173	227.00	131.50	-0.7876294980
ENSG00000139174	703.50	671.25	-0.0677002404
ENSG00000139178	1909.00	1987.75	0.0583192173
ENSG00000139180	599.00	535.75	-0.1609960581
ENSG00000139182	639.50	487.25	-0.3922821736
ENSG00000139187	17.25	10.00	-0.7865963619
ENSG00000139190	512.50	546.50	0.0926694913
ENSG00000139192	292.50	221.00	-0.4043902551
ENSG00000139193	82.50	83.50	0.0173820782
ENSG00000139194	88.25	76.25	-0.2108589408
ENSG00000139197	846.75	738.75	-0.1968498564
ENSG00000139200	446.00	524.75	0.2345865514
ENSG00000139209	219.50	255.00	0.2162763073
ENSG00000139211	207.00	254.75	0.2994513787
ENSG00000139218	2355.00	2372.00	0.0103769500
ENSG00000139220	31.25	54.75	0.8090027749
ENSG00000139233	667.50	744.00	0.1565347845
ENSG00000139239	4.50	2.00	-1.1699250014
ENSG00000139263	2401.00	1717.50	-0.4833253045
ENSG00000139266	183.50	186.25	0.0214603625
ENSG00000139269	31.25	6.50	-2.2653445665
ENSG00000139278	2983.00	2703.75	-0.1418022175
ENSG00000139287	35.00	36.50	0.0605415419
ENSG00000139289	4194.75	1862.75	-1.1711507681
ENSG00000139291	591.00	907.75	0.6191368946
ENSG00000139292	2.25	9.00	2.0000000000
ENSG00000139304	211.50	157.50	-0.4253058347
ENSG00000139318	183.25	204.25	0.1565228800
ENSG00000139323	286.75	270.75	-0.0828321484
ENSG00000139324	1139.25	1064.50	-0.0979084208

ENSG00000139329	18741.00	9624.75	-0.9613769630
ENSG00000139343	264.25	220.00	-0.2643999479
ENSG00000139344	41.75	27.25	-0.6155199677
ENSG00000139350	509.00	456.25	-0.1578410974
ENSG00000139351	9.00	8.50	-0.0824621602
ENSG00000139354	186.50	82.75	-1.1723444134
ENSG00000139364	83.50	79.00	-0.0799235443
ENSG00000139370	545.25	574.50	0.0753890280
ENSG00000139372	364.00	310.00	-0.2316702349
ENSG00000139405	208.75	194.50	-0.1020060424
ENSG00000139410	91.75	45.25	-1.0197903658
ENSG00000139428	147.75	100.00	-0.5631581304
ENSG00000139433	1037.75	1150.50	0.1488020516
ENSG00000139436	2319.00	3026.50	0.3841475311
ENSG00000139437	395.50	450.50	0.1878494113
ENSG00000139438	6.75	4.00	-0.7548875022
ENSG00000139496	682.25	742.75	0.1225762106
ENSG00000139505	859.00	793.50	-0.1144279083
ENSG00000139508	249.25	205.25	-0.2802112826
ENSG00000139514	637.75	553.00	-0.2057115134
ENSG00000139517	147.50	126.50	-0.2215775696
ENSG00000139531	402.50	295.50	-0.4458306528
ENSG00000139537	23.50	25.00	0.0892673381
ENSG00000139540	0.50	3.00	2.5849625007
ENSG00000139546	331.25	356.50	0.1059816221
ENSG00000139547	19.00	16.00	-0.2479275134
ENSG00000139567	693.25	1060.50	0.6132970045
ENSG00000139579	386.25	364.00	-0.0855964826
ENSG00000139597	201.00	197.25	-0.0271702012
ENSG00000139610	2.50	0.50	-2.3219280949
ENSG00000139613	2778.25	2328.50	-0.2547755435
ENSG00000139618	103.25	63.00	-0.7127180479
ENSG00000139620	369.25	321.75	-0.1986577725
ENSG00000139624	647.75	802.00	0.3081651263
ENSG00000139625	1931.50	1463.25	-0.4005453989
ENSG00000139626	7.00	6.00	-0.2223924213
ENSG00000139629	220.50	145.75	-0.5972827724
ENSG00000139631	418.00	324.50	-0.3652844641
ENSG00000139636	653.50	637.75	-0.0351962422
ENSG00000139637	547.50	509.75	-0.1030690945
ENSG00000139641	3483.25	3269.75	-0.0912536881
ENSG00000139644	11124.25	11951.50	0.1034836258
ENSG00000139645	1613.00	1697.00	0.0732401264

ENSG00000139651	905.50	798.25	-0.1818739934
ENSG00000139656	1.50	3.25	1.1154772174
ENSG00000139668	309.50	218.50	-0.5023061297
ENSG00000139675	111.75	77.75	-0.5233602511
ENSG00000139679	188.25	212.00	0.1714143999
ENSG00000139684	2045.75	1987.00	-0.0420379793
ENSG00000139687	1185.00	1250.00	0.0770410358
ENSG00000139697	1383.25	1247.00	-0.1496004586
ENSG00000139714	71.25	62.50	-0.1890338244
ENSG00000139718	968.50	1037.75	0.0996349780
ENSG00000139719	562.25	474.50	-0.2448036688
ENSG00000139722	577.50	488.00	-0.2429397987
ENSG00000139725	159.75	158.75	-0.0090593393
ENSG00000139726	1241.00	1116.75	-0.1521968608
ENSG00000139734	159.00	205.00	0.3665971442
ENSG00000139737	2.50	1.00	-1.3219280949
ENSG00000139746	1001.50	825.00	-0.2796963967
ENSG00000139767	3.75	2.50	-0.5849625007
ENSG00000139780	2.25	3.50	0.6374299206
ENSG00000139793	1561.50	1861.00	0.2531454860
ENSG00000139826	336.50	390.25	0.2137921274
ENSG00000139832	84.00	112.25	0.4182542120
ENSG00000139835	64.75	68.75	0.0864795207
ENSG00000139842	2182.00	2266.50	0.0548150596
ENSG00000139865	7.00	3.25	-1.1069152039
ENSG00000139874	270.75	237.50	-0.1890338244
ENSG00000139880	212.50	119.00	-0.8365012677
ENSG00000139890	6.50	6.00	-0.1154772174
ENSG00000139899	315.75	250.50	-0.3339721306
ENSG00000139908	41.75	27.75	-0.5892884261
ENSG00000139910	398.00	258.75	-0.6212095682
ENSG00000139914	1.50	0.75	-1.0000000000
ENSG00000139915	2.75	4.50	0.7104933828
ENSG00000139921	1126.00	1241.75	0.1411679194
ENSG00000139926	6796.50	5703.00	-0.2530709589
ENSG00000139946	522.00	292.00	-0.8380814377
ENSG00000139970	69.25	54.25	-0.3521909336
ENSG00000139971	173.25	140.00	-0.3074285252
ENSG00000139973	22.50	22.00	-0.0324214777
ENSG00000139974	516.00	410.25	-0.3308677319
ENSG00000139977	604.25	582.75	-0.0522684686
ENSG00000139985	16.25	11.50	-0.4988058570
ENSG00000139988	5.00	3.00	-0.7369655942

ENSG00000139990	1431.00	1102.00	-0.3768994482
ENSG00000139998	287.25	251.00	-0.1946195287
ENSG00000140006	98.50	88.50	-0.1544462694
ENSG00000140009	8.75	8.50	-0.0418201757
ENSG00000140015	22.25	8.25	-1.4313393116
ENSG00000140022	398.00	151.00	-1.3982198812
ENSG00000140025	140.00	83.00	-0.7542435856
ENSG00000140030	2.25	6.50	1.5305147167
ENSG00000140043	219.75	181.75	-0.2739078012
ENSG00000140044	1601.00	1151.25	-0.4757721515
ENSG00000140057	13.50	13.25	-0.0269670476
ENSG00000140090	14.00	8.75	-0.6780719051
ENSG00000140092	9027.75	10463.50	0.2129271357
ENSG00000140093	7.50	5.50	-0.4474589770
ENSG00000140104	213.50	169.50	-0.3329507965
ENSG00000140105	4344.00	1508.00	-1.5263876745
ENSG00000140153	355.75	334.75	-0.0877797012
ENSG00000140157	858.75	905.75	0.0768747067
ENSG00000140199	1285.00	1079.25	-0.2517392666
ENSG00000140254	0.75	2.25	1.5849625007
ENSG00000140259	934.50	776.00	-0.2681380116
ENSG00000140262	3358.00	2767.25	-0.2791492439
ENSG00000140263	297.25	238.25	-0.3192005958
ENSG00000140264	6893.00	6493.50	-0.0861357140
ENSG00000140265	626.25	489.50	-0.3554298385
ENSG00000140279	1.50	1.50	0.0000000000
ENSG00000140280	62.50	62.25	-0.0057823526
ENSG00000140284	2.00	2.25	0.1699250014
ENSG00000140285	10854.75	8134.75	-0.4161565848
ENSG00000140297	17.75	8.75	-1.0204641026
ENSG00000140299	1832.25	1888.50	0.0436244195
ENSG00000140307	556.50	501.50	-0.1501319867
ENSG00000140319	4289.25	3742.00	-0.1969158477
ENSG00000140320	628.00	623.75	-0.0097966487
ENSG00000140323	129.25	53.75	-1.2658276207
ENSG00000140326	392.00	293.75	-0.4162648027
ENSG00000140332	575.50	380.75	-0.5959718916
ENSG00000140350	897.75	614.25	-0.5474877953
ENSG00000140365	756.75	762.50	0.0109205675
ENSG00000140367	1179.75	1227.50	0.0572418531
ENSG00000140368	16.25	15.50	-0.0681715026
ENSG00000140374	1231.00	1378.75	0.1635301240
ENSG00000140379	24.50	14.50	-0.7567288490

ENSG00000140382	802.00	884.25	0.1408520772
ENSG00000140386	315.50	316.00	0.0022845532
ENSG00000140391	4979.25	4834.75	-0.0424871612
ENSG00000140395	573.75	535.00	-0.1008833570
ENSG00000140396	1694.00	1329.75	-0.3492788377
ENSG00000140398	175.25	235.25	0.4247802787
ENSG00000140400	1820.25	1699.00	-0.0994507567
ENSG00000140403	84.50	96.25	0.1878351993
ENSG00000140406	214.00	273.75	0.3552481681
ENSG00000140416	4224.25	5743.00	0.4431093428
ENSG00000140443	4014.00	5329.75	0.4090272461
ENSG00000140450	1692.00	934.25	-0.8568490047
ENSG00000140451	141.50	149.75	0.0817539500
ENSG00000140455	542.75	349.25	-0.6360277052
ENSG00000140459	32.50	39.50	0.2814129351
ENSG00000140463	725.75	684.75	-0.0838953059
ENSG00000140464	1429.25	1579.00	0.1437528809
ENSG00000140465	0.50	5.00	3.3219280949
ENSG00000140470	4.50	12.00	1.4150374993
ENSG00000140471	138.75	117.25	-0.2428998487
ENSG00000140474	328.75	349.75	0.0893331630
ENSG00000140479	112.50	73.00	-0.6239566323
ENSG00000140488	38.25	50.25	0.3936638485
ENSG00000140497	1270.00	1463.75	0.2048406737
ENSG00000140505	12.00	9.25	-0.3755091351
ENSG00000140506	0.25	0.75	1.5849625007
ENSG00000140511	95.75	199.50	1.0590443543
ENSG00000140519	0.50	1.25	1.3219280949
ENSG00000140521	908.00	1030.00	0.1818801348
ENSG00000140525	273.50	253.75	-0.1081330107
ENSG00000140526	1727.75	2102.00	0.2828681901
ENSG00000140527	6.75	4.75	-0.5069599887
ENSG00000140534	51.00	50.50	-0.0142138592
ENSG00000140538	23.00	20.25	-0.1837119532
ENSG00000140543	185.50	128.00	-0.5352753766
ENSG00000140545	6346.50	13179.00	1.0542078137
ENSG00000140548	393.50	348.75	-0.1741704188
ENSG00000140553	1864.75	1875.25	0.0081007154
ENSG00000140563	185.00	158.50	-0.2230424304
ENSG00000140564	2234.25	2933.50	0.3928323677
ENSG00000140575	7416.75	7532.00	0.0222458597
ENSG00000140577	1452.00	1362.75	-0.0915205330
ENSG00000140598	542.25	362.50	-0.5809771528

ENSG00000140600	19.75	3.75	-2.3968901526
ENSG00000140612	2434.00	2280.25	-0.0941371621
ENSG00000140632	1958.75	1815.75	-0.1093676946
ENSG00000140650	512.75	615.25	0.2629171660
ENSG00000140675	6.50	11.75	0.8541491335
ENSG00000140678	5.00	4.75	-0.0740005814
ENSG00000140682	1550.50	2261.00	0.5442274661
ENSG00000140688	1664.25	1623.00	-0.0362091684
ENSG00000140691	242.00	216.25	-0.1623069148
ENSG00000140694	469.75	449.75	-0.0627698802
ENSG00000140718	1333.00	1169.00	-0.1894018506
ENSG00000140740	1998.75	1748.25	-0.1931865285
ENSG00000140743	736.00	970.50	0.3990224467
ENSG00000140749	16.75	7.50	-1.1591985948
ENSG00000140750	1328.25	1207.75	-0.1372048600
ENSG00000140795	56.75	52.50	-0.1123029696
ENSG00000140807	61.00	276.75	2.1817021692
ENSG00000140829	1277.50	1340.25	0.0691788439
ENSG00000140830	179.75	161.00	-0.1589310823
ENSG00000140832	11.75	7.25	-0.6966078566
ENSG00000140836	1429.00	1347.75	-0.0844530069
ENSG00000140839	0.50	1.75	1.8073549221
ENSG00000140848	418.00	432.25	0.0483630216
ENSG00000140853	417.25	451.50	0.1138139381
ENSG00000140854	363.00	334.00	-0.1201214455
ENSG00000140859	701.25	784.00	0.1609247886
ENSG00000140876	81.25	67.00	-0.2782067175
ENSG00000140905	233.75	174.25	-0.4238077089
ENSG00000140931	682.75	677.50	-0.0111364625
ENSG00000140932	1.00	0.50	-1.0000000000
ENSG00000140937	10958.75	8875.75	-0.3041423106
ENSG00000140939	299.25	246.00	-0.2826929316
ENSG00000140941	3648.50	3408.25	-0.0982722906
ENSG00000140943	4301.50	3632.75	-0.2437777525
ENSG00000140945	664.00	851.25	0.3583996516
ENSG00000140948	1572.50	1220.50	-0.3655877220
ENSG00000140950	453.75	509.25	0.1664764321
ENSG00000140955	0.25	1.25	2.3219280949
ENSG00000140961	199.50	183.50	-0.1206086834
ENSG00000140983	976.25	1041.50	0.0933402910
ENSG00000140986	11.50	13.25	0.2043584985
ENSG00000140987	282.50	237.50	-0.2503233541
ENSG00000140988	22912.00	20527.50	-0.1585454623

ENSG00000140990	992.00	918.50	-0.1110603993
ENSG00000140992	1460.00	1426.25	-0.0337414826
ENSG00000140993	64.00	74.75	0.2240016742
ENSG00000140995	981.50	1082.25	0.1409736277
ENSG00000141002	2781.00	2360.00	-0.2368168851
ENSG00000141012	651.50	670.00	0.0403959168
ENSG00000141013	286.25	264.00	-0.1167377636
ENSG00000141026	309.25	245.00	-0.3359918460
ENSG00000141027	2950.25	2933.75	-0.0080912748
ENSG00000141028	1.25	2.00	0.6780719051
ENSG00000141030	739.25	573.50	-0.3662688521
ENSG00000141034	511.50	553.75	0.1145005537
ENSG00000141040	177.75	139.00	-0.3547646769
ENSG00000141052	120.50	131.00	0.1205336653
ENSG00000141068	664.25	450.25	-0.5610000466
ENSG00000141076	471.75	423.75	-0.1548091496
ENSG00000141084	587.50	530.00	-0.1485964920
ENSG00000141086	0.50	1.25	1.3219280949
ENSG00000141098	344.75	262.00	-0.3959837400
ENSG00000141101	769.25	646.50	-0.2508021685
ENSG00000141127	226.25	143.25	-0.6593826532
ENSG00000141161	1.25	0.25	-2.3219280949
ENSG00000141179	214.00	216.75	0.0184211968
ENSG00000141198	178.00	271.25	0.6077458964
ENSG00000141219	551.50	434.00	-0.3456658431
ENSG00000141232	941.25	936.25	-0.0076841462
ENSG00000141252	1106.25	1014.50	-0.1249085901
ENSG00000141255	4.00	8.00	1.0000000000
ENSG00000141258	1905.00	1454.75	-0.3890197516
ENSG00000141279	5218.25	4687.75	-0.1546704314
ENSG00000141293	0.50	0.25	-1.0000000000
ENSG00000141294	16.25	18.75	0.2064508775
ENSG00000141295	414.75	315.25	-0.3957456106
ENSG00000141298	1403.75	2786.00	0.9889092353
ENSG00000141314	7.75	6.00	-0.3692338097
ENSG00000141316	1.75	1.00	-0.8073549221
ENSG00000141337	554.75	742.00	0.4195814244
ENSG00000141338	4561.00	4093.50	-0.1560152749
ENSG00000141349	691.75	732.25	0.0820855493
ENSG00000141367	12240.00	11488.25	-0.0914445084
ENSG00000141371	1.50	0.50	-1.5849625007
ENSG00000141376	690.25	743.50	0.1072137595
ENSG00000141378	200.50	218.25	0.1223794172

ENSG00000141380	1636.25	1644.00	0.0068171068
ENSG00000141384	60.00	79.75	0.4105220182
ENSG00000141385	809.75	852.75	0.0746462868
ENSG00000141391	124.50	90.50	-0.4601560450
ENSG00000141401	239.00	987.25	2.0464048445
ENSG00000141404	92.00	59.75	-0.6226951481
ENSG00000141424	2937.75	2373.75	-0.3075436286
ENSG00000141425	651.00	732.25	0.1696787447
ENSG00000141428	203.25	173.00	-0.2324833144
ENSG00000141429	1978.75	1568.00	-0.3356637909
ENSG00000141431	66.25	18.00	-1.8799235480
ENSG00000141434	2.00	1.25	-0.6780719051
ENSG00000141441	154.25	169.50	0.1360147840
ENSG00000141446	324.00	311.25	-0.0579199759
ENSG00000141447	2222.50	1574.00	-0.4977478782
ENSG00000141448	205.50	119.75	-0.7791127379
ENSG00000141449	2.75	4.00	0.5405683814
ENSG00000141452	331.50	442.50	0.4166685849
ENSG00000141456	917.00	774.00	-0.2445881675
ENSG00000141458	817.25	1258.25	0.6225692207
ENSG00000141469	130.25	15.50	-3.0709432519
ENSG00000141480	170.00	127.50	-0.4150374993
ENSG00000141485	8.25	5.00	-0.7224660245
ENSG00000141497	11.00	11.00	0.0000000000
ENSG00000141499	103.50	94.75	-0.1274329193
ENSG00000141503	1962.75	1707.25	-0.2012020912
ENSG00000141504	776.50	628.25	-0.3056471585
ENSG00000141505	16.75	11.00	-0.6066575718
ENSG00000141506	0.25	0.25	0.0000000000
ENSG00000141510	1068.00	685.25	-0.6402093189
ENSG00000141519	120.25	103.25	-0.2198951124
ENSG00000141522	4116.25	5418.25	0.3964963547
ENSG00000141524	4.00	6.00	0.5849625007
ENSG00000141526	1627.00	3195.50	0.9738274364
ENSG00000141527	86.50	101.25	0.2271498701
ENSG00000141540	82.25	48.50	-0.7620309315
ENSG00000141542	333.00	240.25	-0.4709857463
ENSG00000141543	1031.00	1125.00	0.1258806687
ENSG00000141551	3558.25	3122.25	-0.1885818176
ENSG00000141552	661.50	724.50	0.1312445333
ENSG00000141556	1713.25	1509.50	-0.1826649301
ENSG00000141560	521.25	452.50	-0.2040576864
ENSG00000141562	812.25	631.25	-0.3637123558

ENSG00000141564	698.00	778.75	0.1579332217
ENSG00000141568	966.50	933.00	-0.0508926514
ENSG00000141569	357.50	339.75	-0.0734696909
ENSG00000141570	153.50	175.25	0.1911757886
ENSG00000141574	865.25	464.50	-0.8974384398
ENSG00000141576	158.25	285.75	0.8525479988
ENSG00000141577	217.50	183.00	-0.2491717525
ENSG00000141579	1.75	0.50	-1.8073549221
ENSG00000141580	2083.75	1992.75	-0.0644214707
ENSG00000141582	359.25	354.75	-0.0181854724
ENSG00000141622	2.75	1.75	-0.6520766966
ENSG00000141627	1231.00	964.50	-0.3519776184
ENSG00000141642	159.50	114.25	-0.4813622587
ENSG00000141644	1205.25	1058.25	-0.1876519411
ENSG00000141646	1633.50	1559.75	-0.0666516453
ENSG00000141655	16.25	9.75	-0.7369655942
ENSG00000141664	345.25	324.00	-0.0916476014
ENSG00000141665	51.75	36.75	-0.4938146127
ENSG00000141682	100.50	86.25	-0.2205991395
ENSG00000141696	540.50	444.25	-0.2829228417
ENSG00000141698	696.00	586.00	-0.2481866414
ENSG00000141699	1039.50	1138.50	0.1312445333
ENSG00000141736	1923.25	2007.25	0.0616740051
ENSG00000141738	3.75	3.25	-0.2064508775
ENSG00000141741	486.75	546.75	0.1677003363
ENSG00000141748	3.75	2.00	-0.9068905956
ENSG00000141750	4.50	4.00	-0.1699250014
ENSG00000141753	89728.50	75958.00	-0.2403643744
ENSG00000141756	6998.50	5987.25	-0.2251522282
ENSG00000141759	497.50	535.00	0.1048423659
ENSG00000141837	296.00	273.75	-0.1127382111
ENSG00000141854	28.50	28.25	-0.0127110517
ENSG00000141858	345.25	319.75	-0.1106970554
ENSG00000141867	1428.00	1771.75	0.3111790697
ENSG00000141873	342.50	331.25	-0.0481835335
ENSG00000141905	4467.50	4481.75	0.0045944457
ENSG00000141933	174.25	179.00	0.0388009314
ENSG00000141934	103.50	48.00	-1.1085244568
ENSG00000141946	4.25	2.00	-1.0874628413
ENSG00000141956	249.50	181.00	-0.4630501183
ENSG00000141959	3404.75	3412.50	0.0032801764
ENSG00000141965	445.50	428.25	-0.0569721854
ENSG00000141968	2.25	3.00	0.4150374993

ENSG00000141971	392.00	412.25	0.0726658393
ENSG00000141985	2020.75	2215.50	0.1327414792
ENSG00000141994	238.25	223.50	-0.0922013827
ENSG00000142002	1395.50	1852.25	0.4084967093
ENSG00000142025	0.75	0.50	-0.5849625007
ENSG00000142039	656.25	536.50	-0.2906673467
ENSG00000142046	193.00	233.00	0.2717291074
ENSG00000142065	191.75	117.50	-0.7065658209
ENSG00000142082	363.75	312.00	-0.2214012189
ENSG00000142089	9416.75	9368.25	-0.0074496529
ENSG00000142102	552.25	707.50	0.3574086344
ENSG00000142149	73.00	29.50	-1.3071815095
ENSG00000142156	84496.75	72210.00	-0.2266972095
ENSG00000142166	2400.50	2119.00	-0.1799513483
ENSG00000142168	3311.00	3184.75	-0.0560868841
ENSG00000142173	98618.25	84065.25	-0.2303450944
ENSG00000142178	15.75	11.75	-0.4226910718
ENSG00000142185	1.25	0.25	-2.3219280949
ENSG00000142186	2068.50	2038.50	-0.0210770007
ENSG00000142188	390.50	461.00	0.2394442023
ENSG00000142192	30434.00	24675.00	-0.3026338779
ENSG00000142197	350.00	335.50	-0.0610421556
ENSG00000142207	886.50	912.75	0.0420991325
ENSG00000142208	2737.75	3004.50	0.1341342102
ENSG00000142224	1.00	2.75	1.4594316186
ENSG00000142227	2919.25	1828.50	-0.6749371396
ENSG00000142230	1757.50	1621.75	-0.1159732505
ENSG00000142233	11.50	5.25	-1.1312445333
ENSG00000142235	11.50	10.75	-0.0972972014
ENSG00000142252	154.00	150.75	-0.0307723488
ENSG00000142279	529.75	843.00	0.6702209486
ENSG00000142303	450.75	341.00	-0.4025557524
ENSG00000142319	0.25	1.00	2.0000000000
ENSG00000142327	898.25	1180.25	0.3939035476
ENSG00000142330	251.00	243.25	-0.0452475592
ENSG00000142347	29.25	22.75	-0.3625700794
ENSG00000142396	658.00	611.75	-0.1051453877
ENSG00000142405	8.75	7.50	-0.2223924213
ENSG00000142408	106.75	115.25	0.1105306808
ENSG00000142409	292.75	253.00	-0.2105317858
ENSG00000142444	185.25	153.50	-0.2712348869
ENSG00000142453	1367.50	1155.25	-0.2433357435
ENSG00000142459	725.75	482.50	-0.5889437245

ENSG00000142494	39.50	28.50	-0.4708907340
ENSG00000142507	1070.75	876.50	-0.2887956811
ENSG00000142512	6.50	7.25	0.1575412770
ENSG00000142513	1.00	0.25	-2.0000000000
ENSG00000142528	167.25	151.50	-0.1426884172
ENSG00000142530	5.50	3.75	-0.5525410230
ENSG00000142534	16823.25	14931.50	-0.1720973355
ENSG00000142541	36040.00	31374.25	-0.2000180392
ENSG00000142544	31.00	42.25	0.4466831259
ENSG00000142546	482.75	482.00	-0.0022431127
ENSG00000142549	1.25	0.50	-1.3219280949
ENSG00000142552	1951.50	1669.50	-0.2251673694
ENSG00000142556	225.75	176.75	-0.3530157727
ENSG00000142583	157.25	150.00	-0.0680975164
ENSG00000142599	3095.00	3102.75	0.0036080489
ENSG00000142609	16.75	13.50	-0.3112016883
ENSG00000142611	64.50	44.75	-0.5274114782
ENSG00000142621	2.50	1.25	-1.0000000000
ENSG00000142623	0.25	0.50	1.0000000000
ENSG00000142627	82.50	55.50	-0.5719063479
ENSG00000142632	70.25	125.50	0.8371172337
ENSG00000142634	523.75	648.00	0.3071154743
ENSG00000142655	348.00	311.75	-0.1586977460
ENSG00000142657	3236.25	2800.00	-0.2088962330
ENSG00000142661	23.75	12.25	-0.9551457642
ENSG00000142669	2818.00	2449.00	-0.2024788377
ENSG00000142675	3.25	4.75	0.5474877953
ENSG00000142676	13480.50	11507.00	-0.2283622517
ENSG00000142677	9.00	18.50	1.0395283642
ENSG00000142684	131.25	142.75	0.1211733228
ENSG00000142686	703.00	620.25	-0.1806748592
ENSG00000142687	2039.00	1938.50	-0.0729210403
ENSG00000142694	1053.50	983.50	-0.0991933565
ENSG00000142698	3.75	4.00	0.0931094044
ENSG00000142700	16.50	14.50	-0.1864131242
ENSG00000142731	35.75	19.50	-0.8744691179
ENSG00000142733	789.75	828.25	0.0686702663
ENSG00000142748	1.25	1.75	0.4854268272
ENSG00000142751	649.75	673.75	0.0523286392
ENSG00000142765	5.25	11.75	1.1622714289
ENSG00000142784	1615.50	1708.75	0.0809605872
ENSG00000142794	951.50	1137.25	0.2572738730
ENSG00000142798	16706.50	16252.75	-0.0397256756

ENSG00000142856	206.00	171.75	-0.2623342384
ENSG00000142864	5062.25	5912.50	0.2239895215
ENSG00000142867	464.00	418.00	-0.1506218630
ENSG00000142871	2565.25	8306.50	1.6951412832
ENSG00000142875	1329.50	823.00	-0.6919194414
ENSG00000142892	1362.50	1289.25	-0.0797241844
ENSG00000142910	107.75	186.75	0.7934203737
ENSG00000142920	57.00	55.25	-0.0449874548
ENSG00000142937	18268.75	16014.50	-0.1899991686
ENSG00000142945	34.50	23.00	-0.5849625007
ENSG00000142949	2493.75	2134.50	-0.2244186787
ENSG00000142959	8.00	5.50	-0.5405683814
ENSG00000142961	401.25	384.00	-0.0633950813
ENSG00000142973	1.75	1.25	-0.4854268272
ENSG00000143001	1.50	6.00	2.0000000000
ENSG00000143013	1869.50	1253.75	-0.5764027704
ENSG00000143028	60.50	131.00	1.1145597643
ENSG00000143033	192.75	134.50	-0.5191246874
ENSG00000143036	95.50	117.75	0.3021544216
ENSG00000143061	13.50	3.25	-2.0544477840
ENSG00000143067	295.50	168.25	-0.8125516256
ENSG00000143079	1488.50	1861.50	0.3226063946
ENSG00000143093	1102.00	961.25	-0.1971406257
ENSG00000143106	957.25	1173.50	0.2938501817
ENSG00000143107	0.25	0.25	0.0000000000
ENSG00000143110	7.00	7.75	0.1468413883
ENSG00000143126	69.50	64.50	-0.1077138173
ENSG00000143127	53.25	424.75	2.9957605170
ENSG00000143147	1284.00	1374.00	0.0977368017
ENSG00000143149	2740.25	2550.00	-0.1038102729
ENSG00000143153	244.00	324.50	0.4113373304
ENSG00000143155	933.50	891.75	-0.0660107118
ENSG00000143156	330.25	235.75	-0.4863007906
ENSG00000143157	812.75	877.75	0.1109984402
ENSG00000143158	752.00	570.75	-0.3978737075
ENSG00000143162	3462.25	3267.00	-0.0837434469
ENSG00000143164	2688.50	3010.25	0.1630818356
ENSG00000143171	1.25	0.25	-2.3219280949
ENSG00000143178	81.50	74.25	-0.1344090334
ENSG00000143179	780.75	927.00	0.2477086746
ENSG00000143183	1451.75	1390.50	-0.0621892894
ENSG00000143184	0.25	0.25	0.0000000000
ENSG00000143190	403.75	355.75	-0.1825985031

ENSG00000143194	0.50	0.25	-1.0000000000
ENSG00000143195	3.75	2.00	-0.9068905956
ENSG00000143196	1264.50	1936.50	0.6148844644
ENSG00000143198	1528.25	1394.25	-0.1323912961
ENSG00000143199	2.75	5.00	0.8624964763
ENSG00000143207	573.75	496.25	-0.2093551463
ENSG00000143217	5.50	3.50	-0.6520766966
ENSG00000143222	1088.75	963.75	-0.1759418587
ENSG00000143224	161.25	164.75	0.0309793047
ENSG00000143226	47.25	25.50	-0.8898170822
ENSG00000143228	13.50	11.50	-0.2313255461
ENSG00000143248	150.50	113.00	-0.4134407143
ENSG00000143252	2226.50	2195.50	-0.0202280773
ENSG00000143256	308.75	305.75	-0.0140866379
ENSG00000143257	6.25	9.00	0.5260688117
ENSG00000143258	428.00	306.25	-0.4829009525
ENSG00000143294	806.50	659.50	-0.2903018739
ENSG00000143297	25.75	26.25	0.0277449905
ENSG00000143303	292.75	308.75	0.0767699660
ENSG00000143314	457.75	461.25	0.0109890252
ENSG00000143315	308.75	274.00	-0.1722632435
ENSG00000143318	4.00	5.75	0.5235619561
ENSG00000143319	449.50	389.00	-0.2085509605
ENSG00000143320	2496.50	691.50	-1.8521057502
ENSG00000143321	3741.50	3112.50	-0.2655429379
ENSG00000143322	979.00	1424.00	0.5405683814
ENSG00000143324	1183.50	976.25	-0.2777371577
ENSG00000143333	13.50	20.75	0.6201519292
ENSG00000143337	4064.50	3755.00	-0.1142649804
ENSG00000143340	2.25	2.00	-0.1699250014
ENSG00000143341	2175.75	1467.00	-0.5686439252
ENSG00000143344	1580.00	707.25	-1.1596323817
ENSG00000143353	222.00	266.25	0.2622218488
ENSG00000143363	318.75	260.50	-0.2911419695
ENSG00000143365	0.75	1.25	0.7369655942
ENSG00000143367	267.25	188.00	-0.5074572860
ENSG00000143368	959.25	1015.25	0.0818562623
ENSG00000143369	5011.75	4225.25	-0.2462777454
ENSG00000143373	650.75	514.25	-0.3396335179
ENSG00000143374	329.25	295.50	-0.1560253101
ENSG00000143375	3.00	5.25	0.8073549221
ENSG00000143376	838.75	843.00	0.0072917699
ENSG00000143379	673.00	607.50	-0.1477220961

ENSG00000143382	2701.50	4412.50	0.7078355964
ENSG00000143384	5096.50	6899.00	0.4368804381
ENSG00000143387	36391.50	31044.75	-0.2292522041
ENSG00000143390	821.50	579.75	-0.5028296603
ENSG00000143393	2169.75	1653.25	-0.3922239224
ENSG00000143398	1177.00	1455.50	0.3064005191
ENSG00000143401	665.00	524.75	-0.3417240791
ENSG00000143409	576.50	403.25	-0.5156460745
ENSG00000143412	72.50	57.25	-0.3407053019
ENSG00000143416	1769.75	1026.75	-0.7854606281
ENSG00000143418	3694.00	3807.75	0.0437548945
ENSG00000143420	1607.25	1363.00	-0.2378087886
ENSG00000143429	832.25	623.25	-0.4172059876
ENSG00000143434	166.00	207.25	0.3201888601
ENSG00000143436	503.25	430.75	-0.2244244707
ENSG00000143437	2141.50	1891.00	-0.1794723139
ENSG00000143442	1460.00	1172.50	-0.3163804464
ENSG00000143443	159.25	94.50	-0.7529071380
ENSG00000143450	20.25	18.00	-0.1699250014
ENSG00000143452	0.75	0.50	-0.5849625007
ENSG00000143457	628.25	529.75	-0.2460270835
ENSG00000143458	386.50	401.25	0.0540329781
ENSG00000143469	281.25	162.25	-0.7936346181
ENSG00000143473	4.75	2.00	-1.2479275134
ENSG00000143476	22.75	14.25	-0.6749046260
ENSG00000143479	255.25	233.75	-0.1269445961
ENSG00000143486	1486.25	1239.75	-0.2616275846
ENSG00000143493	401.25	257.00	-0.6427330328
ENSG00000143494	28.50	15.00	-0.9259994186
ENSG00000143498	122.00	73.00	-0.7409127787
ENSG00000143499	324.50	376.50	0.2144313867
ENSG00000143507	492.00	188.25	-1.3860084507
ENSG00000143512	15.00	6.50	-1.2064508775
ENSG00000143514	1099.75	1123.00	0.0301823265
ENSG00000143515	8964.75	8546.25	-0.0689718310
ENSG00000143520	5.50	3.25	-0.7589919005
ENSG00000143537	1540.75	1414.50	-0.1233406144
ENSG00000143543	1359.00	1335.25	-0.0254355719
ENSG00000143545	4969.75	4895.75	-0.0216433907
ENSG00000143549	3973.50	4591.50	0.2085552012
ENSG00000143552	2.00	0.50	-2.0000000000
ENSG00000143553	556.25	471.75	-0.2377109131
ENSG00000143554	250.75	260.75	0.0564175519

ENSG00000143556	0.75	1.75	1.2223924213
ENSG00000143569	4131.25	4136.50	0.0018322155
ENSG00000143570	2129.25	2452.00	0.2036136292
ENSG00000143575	915.75	793.25	-0.2071781798
ENSG00000143578	133.50	122.50	-0.1240579927
ENSG00000143590	28.00	22.75	-0.2995602819
ENSG00000143603	4.75	3.00	-0.6629650127
ENSG00000143612	2721.00	2643.00	-0.0419605316
ENSG00000143614	294.00	326.25	0.1501617466
ENSG00000143621	1671.00	1374.00	-0.2823297292
ENSG00000143622	423.50	319.00	-0.4088055456
ENSG00000143624	1352.25	1133.50	-0.2545775064
ENSG00000143630	57.00	36.75	-0.6332176693
ENSG00000143631	235.25	118.25	-0.9923545394
ENSG00000143632	0.75	1.25	0.7369655942
ENSG00000143633	132.50	119.00	-0.1550307861
ENSG00000143641	5634.25	6210.50	0.1404858431
ENSG00000143643	191.75	242.75	0.3402447179
ENSG00000143653	997.50	862.75	-0.2093742727
ENSG00000143669	1010.00	922.00	-0.1315166372
ENSG00000143674	4.00	3.00	-0.4150374993
ENSG00000143702	1914.75	1234.75	-0.6329370697
ENSG00000143727	1008.50	977.75	-0.0446735479
ENSG00000143740	649.75	435.25	-0.5780404308
ENSG00000143742	2508.75	2148.25	-0.2238068166
ENSG00000143748	361.25	217.00	-0.7353025449
ENSG00000143751	266.50	222.00	-0.2635758564
ENSG00000143753	2311.25	2783.00	0.2679675890
ENSG00000143756	941.50	950.75	0.0141049390
ENSG00000143761	5504.75	6381.50	0.2132185309
ENSG00000143768	0.50	0.25	-1.0000000000
ENSG00000143771	871.50	1116.75	0.3577336852
ENSG00000143772	1708.50	824.50	-1.0511388490
ENSG00000143774	2214.50	2162.00	-0.0346144742
ENSG00000143776	2626.00	2440.50	-0.1056901645
ENSG00000143786	114.25	56.50	-1.0158713926
ENSG00000143793	147.50	162.75	0.1419425889
ENSG00000143797	959.25	659.75	-0.5399874143
ENSG00000143799	1740.00	1628.25	-0.0957650794
ENSG00000143801	246.00	287.75	0.2261576128
ENSG00000143811	652.25	807.00	0.3071436345
ENSG00000143815	584.25	543.25	-0.1049695596
ENSG00000143816	134.00	116.50	-0.2019030458

ENSG00000143819	2782.25	2243.00	-0.3108224391
ENSG00000143839	3.00	1.50	-1.0000000000
ENSG00000143842	197.25	210.00	0.0903640277
ENSG00000143845	282.25	291.00	0.0440455721
ENSG00000143847	596.25	435.00	-0.4549019602
ENSG00000143850	903.00	535.50	-0.7538394127
ENSG00000143851	9.00	11.75	0.3846638502
ENSG00000143858	6.00	4.25	-0.4974996595
ENSG00000143862	511.00	543.25	0.0882929782
ENSG00000143867	923.50	888.25	-0.0561461777
ENSG00000143869	154.75	529.75	1.7753722732
ENSG00000143870	5576.00	5056.75	-0.1410201062
ENSG00000143878	2206.50	4464.75	1.0168196478
ENSG00000143882	18.50	20.50	0.1480986390
ENSG00000143889	818.25	621.50	-0.3967873060
ENSG00000143891	762.25	315.00	-1.2749124166
ENSG00000143919	103.75	85.75	-0.2749027601
ENSG00000143924	1127.75	919.25	-0.2949181095
ENSG00000143933	6658.50	6390.25	-0.0593248358
ENSG00000143942	10.00	18.50	0.8875252707
ENSG00000143947	8172.00	7685.00	-0.0886439442
ENSG00000143951	250.75	207.25	-0.2748775991
ENSG00000143952	663.50	616.75	-0.1054106551
ENSG00000143970	1717.50	1510.75	-0.1850451570
ENSG00000143971	440.50	472.00	0.0996448404
ENSG00000143977	428.25	438.75	0.0349458791
ENSG00000143994	22.00	22.75	0.0483630216
ENSG00000143995	2141.25	1712.75	-0.3221386612
ENSG00000144010	0.25	2.25	3.1699250014
ENSG00000144021	1326.50	1127.50	-0.2344972421
ENSG00000144026	336.50	246.25	-0.4504827803
ENSG00000144028	5089.50	4066.75	-0.3236476257
ENSG00000144029	660.75	679.00	0.0393070546
ENSG00000144031	61.50	72.25	0.2324111772
ENSG00000144034	166.00	125.25	-0.4063726382
ENSG00000144035	0.50	0.25	-1.0000000000
ENSG00000144036	1763.75	1320.50	-0.4175617813
ENSG00000144040	315.00	207.25	-0.6039797269
ENSG00000144043	3584.00	3462.25	-0.0498607357
ENSG00000144045	0.25	0.50	1.0000000000
ENSG00000144048	420.75	391.25	-0.1048725195
ENSG00000144057	7.50	3.50	-1.0995356736
ENSG00000144061	198.75	144.00	-0.4648860487

ENSG00000144063	139.75	54.50 -1.3585201481
ENSG00000144115	501.25	500.25 -0.0028810694
ENSG00000144118	1106.25	1148.00 0.0534451868
ENSG00000144120	82.25	46.00 -0.8383818177
ENSG00000144134	347.75	296.25 -0.2312353608
ENSG00000144136	873.25	568.50 -0.6192343885
ENSG00000144152	47.75	53.25 0.1572807922
ENSG00000144161	176.75	86.25 -1.0351138531
ENSG00000144182	71.50	56.75 -0.3333228495
ENSG00000144188	0.25	1.00 2.0000000000
ENSG00000144191	46.00	24.75 -0.8942053360
ENSG00000144199	158.00	127.25 -0.3122589021
ENSG00000144214	8.75	8.50 -0.0418201757
ENSG00000144218	21.75	17.50 -0.3136604789
ENSG00000144224	3312.75	2979.00 -0.1532012095
ENSG00000144228	440.25	540.75 0.2966387561
ENSG00000144230	9.25	20.00 1.1124747293
ENSG00000144231	404.00	387.00 -0.0620217266
ENSG00000144233	665.75	753.50 0.1786269884
ENSG00000144278	4.50	7.75 0.7842713089
ENSG00000144283	1468.25	1430.25 -0.0378302935
ENSG00000144285	94.00	177.00 0.9130166984
ENSG00000144290	1.75	2.25 0.3625700794
ENSG00000144306	578.50	431.75 -0.4221207816
ENSG00000144320	2032.25	1842.75 -0.1412175297
ENSG00000144331	1.50	0.50 -1.5849625007
ENSG00000144339	31.75	15.25 -1.0579473492
ENSG00000144354	40.25	36.75 -0.1312445333
ENSG00000144355	3.75	3.00 -0.3219280949
ENSG00000144357	1184.25	1239.75 0.0660755534
ENSG00000144362	58.00	154.00 1.4088055456
ENSG00000144366	1312.50	1030.25 -0.3493229592
ENSG00000144369	1950.00	718.00 -1.4414183748
ENSG00000144381	2647.25	2275.25 -0.2184693714
ENSG00000144395	35.75	38.25 0.0975165059
ENSG00000144401	364.25	304.00 -0.2608576486
ENSG00000144406	108.75	97.00 -0.1649587485
ENSG00000144407	4.50	3.75 -0.2630344058
ENSG00000144410	6.00	4.00 -0.5849625007
ENSG00000144426	656.75	616.50 -0.0912434007
ENSG00000144445	419.25	447.50 0.0940768986
ENSG00000144451	244.25	207.50 -0.2352472257
ENSG00000144452	6.25	2.25 -1.4739311883

ENSG00000144455	1829.50	1626.00	-0.1701221583
ENSG00000144460	2.50	1.75	-0.5145731728
ENSG00000144468	760.00	625.25	-0.2815662661
ENSG00000144476	1633.00	1263.00	-0.3706701518
ENSG00000144481	7.50	9.75	0.3785116233
ENSG00000144485	23.50	30.00	0.3523017439
ENSG00000144488	72.50	30.75	-1.2373945847
ENSG00000144504	160.25	133.25	-0.2661888239
ENSG00000144524	627.75	455.50	-0.4627390695
ENSG00000144535	256.25	268.25	0.0660261664
ENSG00000144550	2.50	0.25	-3.3219280949
ENSG00000144554	60.50	72.25	0.2560624452
ENSG00000144559	103.50	81.75	-0.3403401320
ENSG00000144560	993.50	894.50	-0.1514384852
ENSG00000144566	1182.00	1169.00	-0.0159551056
ENSG00000144567	2749.00	2364.50	-0.2173717651
ENSG00000144579	1967.00	1806.25	-0.1229993700
ENSG00000144580	569.00	539.75	-0.0761373143
ENSG00000144583	166.00	241.75	0.5423326481
ENSG00000144589	322.50	282.25	-0.1923255795
ENSG00000144591	749.75	711.75	-0.0750390291
ENSG00000144596	6.00	1.25	-2.2630344058
ENSG00000144597	328.00	338.00	0.0433274317
ENSG00000144619	1.50	3.25	1.1154772174
ENSG00000144635	668.00	606.25	-0.1399352605
ENSG00000144642	1469.00	1442.75	-0.0260130649
ENSG00000144644	56.25	26.00	-1.1133414731
ENSG00000144645	173.50	143.00	-0.2789205158
ENSG00000144647	622.75	596.00	-0.0633407858
ENSG00000144648	19.25	44.75	1.2170292366
ENSG00000144649	109.75	175.25	0.6751935045
ENSG00000144655	103.75	117.50	0.1795494203
ENSG00000144659	477.50	486.25	0.0261975170
ENSG00000144668	30.00	25.50	-0.2344652536
ENSG00000144671	0.25	0.50	1.0000000000
ENSG00000144674	3481.25	3014.00	-0.2079260055
ENSG00000144677	959.50	1023.00	0.0924514335
ENSG00000144681	232.50	231.00	-0.0093378646
ENSG00000144711	1363.25	1075.50	-0.3420426307
ENSG00000144712	285.00	246.50	-0.2093742727
ENSG00000144713	13551.00	11442.25	-0.2440285486
ENSG00000144724	2573.00	4511.25	0.8100757811
ENSG00000144730	1086.25	548.75	-0.9851352373

ENSG00000144736	478.00	303.75	-0.6541262095
ENSG00000144741	140.75	143.50	0.0279158146
ENSG00000144744	1198.75	1245.25	0.0549045958
ENSG00000144746	5118.75	6563.75	0.3587287438
ENSG00000144747	1410.25	1611.75	0.1926770465
ENSG00000144749	1520.50	1492.75	-0.0265732477
ENSG00000144771	1.50	1.75	0.2223924213
ENSG00000144785	111.25	127.25	0.1938603202
ENSG00000144791	768.25	800.50	0.0593255409
ENSG00000144792	31.50	33.75	0.0995356736
ENSG00000144802	348.00	456.75	0.3923174228
ENSG00000144810	2852.50	4539.75	0.6703859653
ENSG00000144815	1021.00	799.75	-0.3523618738
ENSG00000144821	7.75	5.75	-0.4306343543
ENSG00000144824	2222.75	1523.75	-0.5447194720
ENSG00000144827	446.50	250.75	-0.8324104745
ENSG00000144834	0.75	0.50	-0.5849625007
ENSG00000144837	41.25	21.25	-0.9569312781
ENSG00000144840	420.00	411.00	-0.0312509340
ENSG00000144843	90.50	98.25	0.1185396152
ENSG00000144847	1.25	1.50	0.2630344058
ENSG00000144848	783.75	653.25	-0.2627583184
ENSG00000144852	0.25	1.25	2.3219280949
ENSG00000144857	1310.75	1830.00	0.4814511027
ENSG00000144867	637.75	657.25	0.0434512430
ENSG00000144868	5.25	4.75	-0.1443899093
ENSG00000144891	74.75	150.00	1.0048170163
ENSG00000144893	30.75	28.00	-0.1351595833
ENSG00000144895	1398.25	1207.75	-0.2113004776
ENSG00000144908	5.75	12.25	1.0911478881
ENSG00000144909	346.00	321.25	-0.1070755836
ENSG00000144935	525.50	459.75	-0.1928411896
ENSG00000144959	239.75	326.00	0.4433411492
ENSG00000145002	8.25	7.00	-0.2370391973
ENSG00000145012	4595.75	6317.25	0.4589963466
ENSG00000145014	350.75	243.00	-0.5294867900
ENSG00000145016	407.75	451.50	0.1470411108
ENSG00000145020	243.00	175.25	-0.4715418696
ENSG00000145022	545.00	603.50	0.1470975411
ENSG00000145029	433.00	353.00	-0.2946988415
ENSG00000145040	11.00	19.00	0.7884958948
ENSG00000145041	588.50	714.25	0.2793867159
ENSG00000145050	670.50	838.75	0.3230035292

ENSG00000145075	373.75	406.50	0.1211817730
ENSG00000145088	5.50	1.75	-1.6520766966
ENSG00000145103	2.25	0.50	-2.1699250014
ENSG00000145107	5.00	3.25	-0.6214883767
ENSG00000145147	1209.75	1358.50	0.1673056263
ENSG00000145191	587.25	630.50	0.1025215623
ENSG00000145194	18.00	32.50	0.8524428116
ENSG00000145198	0.50	1.50	1.5849625007
ENSG00000145214	444.50	498.00	0.1639623232
ENSG00000145216	963.75	794.00	-0.2795199477
ENSG00000145217	112.25	68.00	-0.7231087935
ENSG00000145220	143.50	150.50	0.0687127501
ENSG00000145241	373.25	292.75	-0.3504730896
ENSG00000145242	48.00	16.00	-1.5849625007
ENSG00000145244	89.00	275.00	1.6275543774
ENSG00000145246	1055.00	956.00	-0.1421604756
ENSG00000145247	160.00	145.50	-0.1370527520
ENSG00000145248	0.75	0.50	-0.5849625007
ENSG00000145283	8.50	3.50	-1.2801079192
ENSG00000145284	580.00	549.25	-0.0785899356
ENSG00000145287	7.50	5.75	-0.3833286396
ENSG00000145293	449.25	385.00	-0.2226600579
ENSG00000145331	80.25	61.50	-0.3839149818
ENSG00000145332	309.00	361.25	0.2253907495
ENSG00000145335	52.75	62.25	0.2389027434
ENSG00000145337	324.50	385.50	0.2485123819
ENSG00000145348	1517.00	1403.75	-0.1119350630
ENSG00000145349	4085.50	4326.25	0.0826043844
ENSG00000145354	354.50	380.00	0.1002137911
ENSG00000145358	55.00	23.75	-1.2115041052
ENSG00000145362	2895.75	1264.25	-1.1956552765
ENSG00000145365	136.75	99.50	-0.4587724022
ENSG00000145375	94.25	107.00	0.1830462731
ENSG00000145384	2.75	3.75	0.4474589770
ENSG00000145386	139.25	272.75	0.9699018690
ENSG00000145388	568.00	509.25	-0.1575168545
ENSG00000145390	2964.75	12845.25	2.1152526079
ENSG00000145391	4345.50	4260.00	-0.0286687549
ENSG00000145414	164.50	149.50	-0.1379420995
ENSG00000145416	54.00	43.25	-0.3202592745
ENSG00000145423	77.50	26.25	-1.5618788876
ENSG00000145425	18418.25	16402.50	-0.1672202699
ENSG00000145428	20.25	11.25	-0.8479969066

ENSG00000145431	1409.75	756.75	-0.8975506678
ENSG00000145439	266.75	293.25	0.1366428372
ENSG00000145451	4.00	2.25	-0.8300749986
ENSG00000145476	659.50	600.00	-0.1364101588
ENSG00000145491	5.50	1.50	-1.8744691179
ENSG00000145494	517.75	440.00	-0.2347521247
ENSG00000145495	2750.00	2469.25	-0.1553587086
ENSG00000145506	44.75	112.75	1.3331678460
ENSG00000145526	16.25	10.25	-0.6648158084
ENSG00000145536	5.00	1.50	-1.7369655942
ENSG00000145545	503.75	503.75	0.0000000000
ENSG00000145555	7915.75	9038.75	0.1913972221
ENSG00000145569	8.00	41.75	2.3837042925
ENSG00000145592	13245.50	11856.50	-0.1598241107
ENSG00000145604	477.00	816.00	0.7745798860
ENSG00000145623	5781.25	7628.50	0.4000179458
ENSG00000145632	734.00	348.75	-1.0735868461
ENSG00000145675	1950.75	4662.25	1.2569974670
ENSG00000145681	949.50	1055.00	0.1520030934
ENSG00000145685	2986.50	1208.75	-1.3049398321
ENSG00000145687	975.50	579.00	-0.7525785246
ENSG00000145692	6.50	6.25	-0.0565835284
ENSG00000145700	10.00	6.00	-0.7369655942
ENSG00000145703	105.00	65.75	-0.6753265284
ENSG00000145708	0.75	0.25	-1.5849625007
ENSG00000145715	1632.75	1364.25	-0.2591958645
ENSG00000145721	2.75	0.50	-2.4594316186
ENSG00000145723	92.50	77.00	-0.2645949198
ENSG00000145725	1295.00	1059.00	-0.2902495086
ENSG00000145730	12370.75	12104.75	-0.0313596855
ENSG00000145734	64.75	135.25	1.0626764961
ENSG00000145736	106.50	120.75	0.1811697586
ENSG00000145740	1207.00	1311.00	0.1192420095
ENSG00000145741	5715.25	5355.75	-0.0937279881
ENSG00000145743	557.25	534.75	-0.0594601341
ENSG00000145757	18.75	30.50	0.7019186471
ENSG00000145777	277.75	39.50	-2.8138623532
ENSG00000145779	1286.00	1466.50	0.1894864284
ENSG00000145780	659.50	560.25	-0.2353019157
ENSG00000145781	232.75	213.75	-0.1228567478
ENSG00000145782	1482.75	1417.75	-0.0646722155
ENSG00000145794	5.50	5.25	-0.0671141959
ENSG00000145808	7.75	2.25	-1.7842713089

ENSG00000145817	2370.00	1838.00	-0.3667502925
ENSG00000145819	534.00	472.75	-0.1757622837
ENSG00000145824	4.75	5.25	0.1443899093
ENSG00000145826	6.75	5.00	-0.4329594073
ENSG00000145832	1.75	0.50	-1.8073549221
ENSG00000145833	1218.75	1298.75	0.0917215303
ENSG00000145860	1059.75	1226.25	0.2105291701
ENSG00000145861	133.00	58.75	-1.1787654889
ENSG00000145868	913.75	903.75	-0.0158757590
ENSG00000145882	170.00	159.25	-0.0942413739
ENSG00000145888	1.00	1.25	0.3219280949
ENSG00000145901	2185.25	3154.25	0.5294986716
ENSG00000145907	2950.25	3072.50	0.0585757990
ENSG00000145908	162.50	99.75	-0.7040509717
ENSG00000145911	99.75	34.75	-1.5213038635
ENSG00000145912	601.75	561.25	-0.1005206968
ENSG00000145916	559.75	417.75	-0.4221427948
ENSG00000145919	1242.75	1004.00	-0.3077768340
ENSG00000145934	11.50	19.25	0.7432245846
ENSG00000145936	11.50	14.50	0.3344190391
ENSG00000145945	120.75	134.00	0.1502098116
ENSG00000145949	45.25	59.25	0.3888973618
ENSG00000145975	1.00	1.00	0.0000000000
ENSG00000145979	142.75	129.75	-0.1377562070
ENSG00000145982	155.25	150.75	-0.0424352663
ENSG00000145990	158.00	179.75	0.1860672123
ENSG00000145996	236.50	175.25	-0.4324257393
ENSG00000146001	15.50	13.00	-0.2537565922
ENSG00000146005	2.25	2.50	0.1520030934
ENSG00000146006	140.25	9.00	-3.9619319592
ENSG00000146007	1366.75	1193.25	-0.1958530391
ENSG00000146021	92.50	71.00	-0.3816343410
ENSG00000146038	12.50	3.00	-2.0588936891
ENSG00000146054	29.00	38.25	0.3994068476
ENSG00000146063	923.75	1045.75	0.1789636336
ENSG00000146066	733.25	647.75	-0.1788680556
ENSG00000146067	1095.25	837.00	-0.3879606868
ENSG00000146070	1.25	0.75	-0.7369655942
ENSG00000146072	1981.00	1663.00	-0.2524407116
ENSG00000146083	428.00	377.00	-0.1830462731
ENSG00000146085	923.00	989.25	0.1000045123
ENSG00000146094	43.75	73.25	0.7435457426
ENSG00000146109	256.00	251.00	-0.0284564460

ENSG00000146112	978.00	837.75	-0.2233146837
ENSG00000146122	1372.75	3807.25	1.4716803951
ENSG00000146143	501.25	347.50	-0.5285173537
ENSG00000146147	1.50	6.00	2.0000000000
ENSG00000146151	2.50	2.75	0.1375035237
ENSG00000146166	4.50	4.25	-0.0824621602
ENSG00000146192	8.00	7.00	-0.1926450779
ENSG00000146197	163.50	191.25	0.2261691121
ENSG00000146205	24.00	21.50	-0.1586977460
ENSG00000146215	0.50	0.25	-1.0000000000
ENSG00000146216	0.25	1.00	2.0000000000
ENSG00000146221	11.25	8.75	-0.3625700794
ENSG00000146223	2450.75	2375.50	-0.0449921162
ENSG00000146232	106.50	82.50	-0.3683874060
ENSG00000146233	101.25	146.75	0.5354385953
ENSG00000146242	1090.00	765.50	-0.5098538522
ENSG00000146243	162.75	117.50	-0.4699967866
ENSG00000146247	1989.25	1339.00	-0.5710686383
ENSG00000146250	595.25	79.75	-2.8999392915
ENSG00000146263	286.75	180.25	-0.6697942268
ENSG00000146267	7.00	5.75	-0.2837929660
ENSG00000146278	2017.50	2469.75	0.2917963392
ENSG00000146281	356.50	491.75	0.4640229758
ENSG00000146282	1027.50	1000.25	-0.0387777652
ENSG00000146285	3.00	1.25	-1.2630344058
ENSG00000146350	182.00	168.50	-0.1111898590
ENSG00000146352	1.75	2.25	0.3625700794
ENSG00000146373	746.50	1030.75	0.4654802958
ENSG00000146374	99.75	101.00	0.0179665465
ENSG00000146376	427.75	494.00	0.2077431871
ENSG00000146386	143.00	205.75	0.5248772836
ENSG00000146409	222.75	122.75	-0.8597024072
ENSG00000146410	13.25	16.00	0.2720795454
ENSG00000146411	1460.25	713.00	-1.0342414030
ENSG00000146414	683.25	510.50	-0.4205025936
ENSG00000146416	741.00	531.75	-0.4787254143
ENSG00000146425	848.75	732.75	-0.2120186064
ENSG00000146426	265.50	274.50	0.0480942882
ENSG00000146433	1542.25	1720.25	0.1575815975
ENSG00000146453	1.00	1.00	0.0000000000
ENSG00000146457	1609.75	1458.00	-0.1428459303
ENSG00000146463	1715.50	1714.75	-0.0006308702
ENSG00000146476	609.00	652.50	0.0995356736

ENSG00000146477	4.75	11.00	1.2115041052
ENSG00000146535	2747.00	3284.50	0.2578168551
ENSG00000146540	349.75	299.00	-0.2261785730
ENSG00000146555	1103.50	777.00	-0.5061001259
ENSG00000146556	490.50	379.75	-0.3692031717
ENSG00000146574	404.75	426.00	0.0738223499
ENSG00000146576	323.25	285.50	-0.1791596244
ENSG00000146587	397.50	401.00	0.0126473763
ENSG00000146592	1197.50	271.00	-2.1436608993
ENSG00000146648	5698.25	4474.00	-0.3489536622
ENSG00000146670	43.25	35.50	-0.2848811081
ENSG00000146674	3549.50	4081.00	0.2013068968
ENSG00000146676	1022.75	1008.50	-0.0202424533
ENSG00000146677	1.25	1.25	0.0000000000
ENSG00000146700	8.75	5.75	-0.6057210609
ENSG00000146701	1884.00	1941.75	0.0435585010
ENSG00000146707	117.00	91.00	-0.3625700794
ENSG00000146722	5.00	5.00	0.0000000000
ENSG00000146729	719.25	640.00	-0.1684214109
ENSG00000146731	1829.75	1853.75	0.0188001471
ENSG00000146733	228.25	180.75	-0.3366192130
ENSG00000146757	102.75	84.00	-0.2906771609
ENSG00000146776	301.00	225.00	-0.4198384855
ENSG00000146802	780.00	658.75	-0.2437430672
ENSG00000146809	0.25	1.00	2.0000000000
ENSG00000146826	236.25	231.00	-0.0324214777
ENSG00000146828	501.25	598.75	0.2564234193
ENSG00000146830	1617.50	1708.00	0.0785422627
ENSG00000146833	1022.75	822.50	-0.3143659533
ENSG00000146834	1045.00	916.25	-0.1896897439
ENSG00000146842	352.50	299.00	-0.2374777731
ENSG00000146856	40.50	30.75	-0.3973354975
ENSG00000146858	124.50	160.00	0.3619261628
ENSG00000146859	1169.00	1102.50	-0.0844962741
ENSG00000146872	868.50	835.75	-0.0554543991
ENSG00000146904	23.00	25.50	0.1488633859
ENSG00000146909	391.00	418.75	0.0989205829
ENSG00000146918	300.50	268.25	-0.1637868200
ENSG00000146938	127.50	259.25	1.0238467420
ENSG00000146950	44.00	109.75	1.3186455109
ENSG00000146963	1381.75	1178.75	-0.2292388417
ENSG00000146966	2416.00	3088.00	0.3540522979
ENSG00000147003	7.75	6.00	-0.3692338097

ENSG00000147010	1712.50	1569.50	-0.1257989592
ENSG00000147027	8525.25	16605.50	0.9618471174
ENSG00000147036	10.00	9.75	-0.0365258760
ENSG00000147041	19.25	5.75	-1.7432245846
ENSG00000147044	1167.75	801.75	-0.5425070914
ENSG00000147050	493.50	387.75	-0.3479233034
ENSG00000147059	50.50	32.50	-0.6358436697
ENSG00000147065	11073.00	10589.25	-0.0644457316
ENSG00000147082	8.25	3.50	-1.2370391973
ENSG00000147099	269.50	264.75	-0.0256545888
ENSG00000147100	1619.25	1090.25	-0.5706667537
ENSG00000147113	5.00	4.00	-0.3219280949
ENSG00000147117	5.50	3.25	-0.7589919005
ENSG00000147118	169.75	144.25	-0.2348402556
ENSG00000147119	249.00	695.25	1.4813860973
ENSG00000147121	249.75	218.00	-0.1961565430
ENSG00000147123	737.50	627.75	-0.2324529259
ENSG00000147124	256.25	220.00	-0.2200484809
ENSG00000147127	5.75	6.50	0.1768777621
ENSG00000147130	1291.00	818.75	-0.6569940940
ENSG00000147133	1244.50	1216.50	-0.0328299100
ENSG00000147140	6347.50	4271.75	-0.5713612727
ENSG00000147144	118.75	83.00	-0.5167442719
ENSG00000147145	40.50	43.75	0.1113611089
ENSG00000147155	118.25	92.75	-0.3504209967
ENSG00000147162	6050.75	5599.25	-0.1118803817
ENSG00000147164	1660.50	1406.50	-0.2395081702
ENSG00000147166	3.50	1.75	-1.0000000000
ENSG00000147168	3.75	2.25	-0.7369655942
ENSG00000147174	31.75	29.75	-0.0938669235
ENSG00000147180	24.75	12.50	-0.9855004303
ENSG00000147202	1078.50	1612.50	0.5802729840
ENSG00000147206	1.00	0.25	-2.0000000000
ENSG00000147223	1.25	1.00	-0.3219280949
ENSG00000147224	746.00	487.75	-0.6130337576
ENSG00000147231	53.75	31.50	-0.7709129261
ENSG00000147234	41.75	17.75	-1.2339571730
ENSG00000147251	1917.25	2249.00	0.2302451915
ENSG00000147255	4.50	2.50	-0.8479969066
ENSG00000147257	1201.25	1164.50	-0.0448257915
ENSG00000147274	3692.00	2329.00	-0.6646919134
ENSG00000147316	329.25	262.75	-0.3254926763
ENSG00000147324	410.00	540.00	0.3973354975

ENSG00000147364	586.75	447.00 -0.3924711053
ENSG00000147383	257.00	253.50 -0.0197826122
ENSG00000147394	147.50	151.25 0.0362201879
ENSG00000147400	870.00	680.00 -0.3554806546
ENSG00000147403	22615.50	21709.50 -0.0589853934
ENSG00000147408	637.50	898.00 0.4942901030
ENSG00000147416	2219.00	2238.25 0.0124615187
ENSG00000147419	1022.50	887.75 -0.2038754828
ENSG00000147421	340.50	275.75 -0.3042939124
ENSG00000147437	88.75	107.75 0.2798688447
ENSG00000147439	468.00	486.00 0.0544477840
ENSG00000147443	0.75	0.25 -1.5849625007
ENSG00000147454	1026.25	770.50 -0.4135153602
ENSG00000147457	706.00	714.50 0.0172658278
ENSG00000147459	958.00	1449.75 0.5977065772
ENSG00000147465	12.50	8.25 -0.5994620704
ENSG00000147471	539.75	580.50 0.1050047288
ENSG00000147475	2120.50	1470.25 -0.5283429924
ENSG00000147481	1.25	0.25 -2.3219280949
ENSG00000147485	0.75	2.25 1.5849625007
ENSG00000147488	2.50	0.25 -3.3219280949
ENSG00000147509	110.00	65.75 -0.7424407242
ENSG00000147526	6508.75	10483.50 0.6876680458
ENSG00000147533	1143.25	883.75 -0.3714307041
ENSG00000147535	587.75	475.25 -0.3065160070
ENSG00000147536	150.00	98.25 -0.6104331882
ENSG00000147548	2062.75	1715.25 -0.2661501144
ENSG00000147570	3.75	2.00 -0.9068905956
ENSG00000147573	4.50	1.50 -1.5849625007
ENSG00000147576	182.25	361.00 0.9860800226
ENSG00000147586	171.25	157.75 -0.1184639829
ENSG00000147588	1.00	0.75 -0.4150374993
ENSG00000147592	326.25	406.50 0.3172774506
ENSG00000147596	3.50	2.75 -0.3479233034
ENSG00000147601	751.75	574.50 -0.3879460699
ENSG00000147604	18938.50	16078.25 -0.2362116802
ENSG00000147606	8.25	11.50 0.4791678367
ENSG00000147614	5.75	6.50 0.1768777621
ENSG00000147642	429.75	304.75 -0.4958714189
ENSG00000147647	5.75	4.00 -0.5235619561
ENSG00000147649	3405.50	3833.00 0.1706073660
ENSG00000147650	655.00	546.50 -0.2612734108
ENSG00000147654	230.25	186.50 -0.3040255258

ENSG00000147655	247.50	72.75	-1.7664093721
ENSG00000147669	511.50	500.75	-0.0306437239
ENSG00000147676	2.50	0.50	-2.3219280949
ENSG00000147677	3657.75	3239.25	-0.1752966558
ENSG00000147679	420.00	449.50	0.0979317878
ENSG00000147684	848.75	817.50	-0.0541209387
ENSG00000147687	301.50	270.25	-0.1578633842
ENSG00000147689	6.00	4.00	-0.5849625007
ENSG00000147697	2.25	2.00	-0.1699250014
ENSG00000147724	2.00	4.25	1.0874628413
ENSG00000147789	358.00	302.25	-0.2442172480
ENSG00000147799	97.00	77.75	-0.3191420721
ENSG00000147804	101.75	110.75	0.1222779043
ENSG00000147813	171.50	208.50	0.2818388073
ENSG00000147852	2026.75	1503.25	-0.4310831845
ENSG00000147853	2604.75	2484.25	-0.0683345464
ENSG00000147854	1313.75	1081.25	-0.2809906314
ENSG00000147862	1150.50	925.25	-0.3143458479
ENSG00000147872	3200.25	3256.00	0.0249160883
ENSG00000147874	589.25	698.50	0.2453802622
ENSG00000147883	804.25	265.25	-1.6002912797
ENSG00000147889	1055.00	747.25	-0.4975801019
ENSG00000147894	67.25	79.75	0.2459502512
ENSG00000147905	496.00	351.75	-0.4957896972
ENSG00000147912	336.50	387.75	0.2045202764
ENSG00000147955	1243.50	1227.75	-0.0183896850
ENSG00000147996	280.75	285.00	0.0216758967
ENSG00000148019	361.25	298.00	-0.2776852569
ENSG00000148053	48.50	65.25	0.4279931544
ENSG00000148057	80.00	56.50	-0.5017491325
ENSG00000148082	2828.00	4224.50	0.5789984780
ENSG00000148090	276.00	194.50	-0.5048981118
ENSG00000148110	1386.25	1676.00	0.2738346887
ENSG00000148120	435.75	918.50	1.0757790570
ENSG00000148143	312.50	293.75	-0.0892673381
ENSG00000148153	500.75	350.75	-0.5136474122
ENSG00000148154	1473.25	2176.00	0.5626762904
ENSG00000148158	996.75	659.00	-0.5969532350
ENSG00000148175	7852.25	19374.75	1.3029996837
ENSG00000148180	12394.75	16200.00	0.3862646403
ENSG00000148187	444.75	387.25	-0.1997293665
ENSG00000148200	11.50	8.50	-0.4360991148
ENSG00000148218	1831.00	1644.00	-0.1554214921

ENSG00000148219	298.50	182.75	-0.7078595253
ENSG00000148225	213.25	150.50	-0.5027822546
ENSG00000148229	494.50	495.75	0.0036422515
ENSG00000148248	2732.75	2855.00	0.0631372617
ENSG00000148288	53.25	54.00	0.0201778819
ENSG00000148290	229.25	203.50	-0.1718929393
ENSG00000148291	68.50	66.50	-0.0427496475
ENSG00000148296	318.25	315.25	-0.0136641436
ENSG00000148297	417.75	353.25	-0.2419502677
ENSG00000148300	295.25	262.75	-0.1682462954
ENSG00000148303	11538.00	9789.50	-0.2370860875
ENSG00000148308	718.00	654.75	-0.1330396895
ENSG00000148331	528.50	562.75	0.0905906801
ENSG00000148334	488.75	471.75	-0.0510741846
ENSG00000148335	365.50	337.25	-0.1160529630
ENSG00000148337	2980.50	2600.75	-0.1966266480
ENSG00000148339	320.75	419.50	0.3872215454
ENSG00000148341	1417.50	1108.00	-0.3553908538
ENSG00000148343	540.75	648.25	0.2615885409
ENSG00000148344	606.75	313.00	-0.9549395462
ENSG00000148356	419.25	284.75	-0.5581149419
ENSG00000148357	4.75	4.25	-0.1604646722
ENSG00000148358	3273.75	3512.75	0.1016567500
ENSG00000148362	204.75	171.75	-0.2535533528
ENSG00000148384	346.50	365.75	0.0780025120
ENSG00000148396	2595.50	2864.75	0.1423967561
ENSG00000148399	339.25	253.25	-0.4217865466
ENSG00000148400	332.50	198.75	-0.7423994802
ENSG00000148408	7.25	2.00	-1.8579809951
ENSG00000148411	1175.50	1410.25	0.2626763980
ENSG00000148426	93.50	138.00	0.5616299969
ENSG00000148429	417.25	308.50	-0.4356415602
ENSG00000148444	457.00	383.00	-0.2548497731
ENSG00000148450	400.00	375.50	-0.0911870923
ENSG00000148459	38.50	40.00	0.0551415542
ENSG00000148468	721.75	414.75	-0.7992572213
ENSG00000148481	583.50	568.25	-0.0382068769
ENSG00000148483	14.00	12.75	-0.1349295801
ENSG00000148484	2568.50	2770.25	0.1090901038
ENSG00000148488	5.50	4.50	-0.2895066172
ENSG00000148498	1013.50	876.25	-0.2099316446
ENSG00000148516	10168.75	12349.75	0.2803394913
ENSG00000148541	227.25	119.75	-0.9242546385

ENSG00000148572	708.75	588.25	-0.2688474146
ENSG00000148584	1.25	3.00	1.2630344058
ENSG00000148604	2.50	4.00	0.6780719051
ENSG00000148606	654.25	570.75	-0.1969830648
ENSG00000148634	1611.50	1490.00	-0.1130918577
ENSG00000148655	52.00	49.75	-0.0638150976
ENSG00000148660	928.75	735.25	-0.3370554265
ENSG00000148671	305.00	253.75	-0.2654014204
ENSG00000148672	2844.00	3141.75	0.1436469200
ENSG00000148677	0.75	12.50	4.0588936891
ENSG00000148680	5.50	15.25	1.4713057189
ENSG00000148688	353.00	327.50	-0.1081732768
ENSG00000148690	407.50	385.00	-0.0819416135
ENSG00000148700	5946.50	5066.00	-0.2311936975
ENSG00000148702	0.25	0.25	0.0000000000
ENSG00000148719	1041.25	1194.75	0.1983922720
ENSG00000148730	2686.50	3855.50	0.5211901299
ENSG00000148734	14.50	12.75	-0.1855556532
ENSG00000148735	6.50	4.25	-0.6129768769
ENSG00000148737	802.00	751.50	-0.0938291325
ENSG00000148773	116.00	59.50	-0.9631632318
ENSG00000148795	15.75	7.00	-1.1699250014
ENSG00000148798	8.50	10.00	0.2344652536
ENSG00000148803	131.25	116.25	-0.1750867066
ENSG00000148814	272.50	179.75	-0.6002644592
ENSG00000148824	297.00	313.00	0.0756997261
ENSG00000148832	79.00	73.50	-0.1041084033
ENSG00000148834	1121.25	1405.00	0.3254621453
ENSG00000148835	95.75	88.75	-0.1095253675
ENSG00000148840	691.25	579.50	-0.2543989141
ENSG00000148841	522.00	669.00	0.3579564041
ENSG00000148842	471.25	381.75	-0.3038644614
ENSG00000148843	873.25	999.50	0.1948118293
ENSG00000148848	2377.00	605.50	-1.9729430382
ENSG00000148908	526.00	307.25	-0.7756497889
ENSG00000148925	627.25	430.50	-0.5430273280
ENSG00000148926	14462.00	20962.00	0.5355092907
ENSG00000148935	7.50	5.75	-0.3833286396
ENSG00000148942	5.75	5.75	0.0000000000
ENSG00000148943	429.50	415.75	-0.0469418679
ENSG00000148948	5.25	6.00	0.1926450779
ENSG00000148950	67.50	72.50	0.1030934930
ENSG00000148985	332.50	227.75	-0.5459032866

ENSG00000149016	301.00	262.25	-0.1988207142
ENSG00000149043	0.25	1.50	2.5849625007
ENSG00000149050	83.75	68.50	-0.2899852024
ENSG00000149054	61.50	72.25	0.2324111772
ENSG00000149084	1378.50	1363.00	-0.0163137052
ENSG00000149089	261.00	255.00	-0.0335525597
ENSG00000149090	7836.25	5486.25	-0.5143430596
ENSG00000149091	1265.00	939.75	-0.4287884695
ENSG00000149100	2131.50	2014.00	-0.0818053720
ENSG00000149115	7999.25	8606.00	0.1054780993
ENSG00000149124	2.50	2.50	0.0000000000
ENSG00000149131	18483.00	21945.25	0.2477097640
ENSG00000149136	2001.25	1907.75	-0.0690292762
ENSG00000149150	554.00	594.00	0.1005769548
ENSG00000149177	383.00	475.00	0.3105831213
ENSG00000149179	453.75	372.25	-0.2856257943
ENSG00000149182	1224.25	1141.25	-0.1012833358
ENSG00000149187	1589.50	1329.75	-0.2574179795
ENSG00000149196	408.75	402.75	-0.0213341417
ENSG00000149201	10.75	9.25	-0.2168113891
ENSG00000149212	3575.50	2282.75	-0.6473721348
ENSG00000149218	892.25	3265.25	1.8716735529
ENSG00000149231	585.25	612.75	0.0662455498
ENSG00000149243	19.75	23.00	0.2197812079
ENSG00000149256	1039.25	406.50	-1.3542154905
ENSG00000149257	8870.50	5359.75	-0.7268497174
ENSG00000149260	1710.00	1218.25	-0.4891861026
ENSG00000149262	573.00	430.50	-0.4125219014
ENSG00000149269	1268.50	978.00	-0.3752171491
ENSG00000149273	14331.25	12895.25	-0.1523247069
ENSG00000149289	346.50	479.00	0.4671703036
ENSG00000149292	240.25	192.00	-0.3234301201
ENSG00000149294	0.50	5.25	3.3923174228
ENSG00000149295	0.25	0.25	0.0000000000
ENSG00000149300	17.75	15.25	-0.2190097819
ENSG00000149305	3.25	3.00	-0.1154772174
ENSG00000149308	490.75	410.00	-0.2593643580
ENSG00000149311	2428.00	2060.50	-0.2367739580
ENSG00000149313	733.00	628.50	-0.2219004537
ENSG00000149328	3.50	6.00	0.7776075787
ENSG00000149346	125.25	74.50	-0.7494982727
ENSG00000149357	1552.75	1409.25	-0.1398980003
ENSG00000149380	257.50	285.75	0.1501810661

ENSG00000149403	82.00	16.50	-2.3131578853
ENSG00000149418	1.50	1.25	-0.2630344058
ENSG00000149428	988.75	1186.75	0.2633383551
ENSG00000149451	7375.75	6064.50	-0.2824010523
ENSG00000149474	355.75	306.75	-0.2138004129
ENSG00000149476	399.75	338.25	-0.2410080995
ENSG00000149480	1317.25	1149.25	-0.1968365136
ENSG00000149483	522.00	406.25	-0.3616819938
ENSG00000149485	1319.00	1172.75	-0.1695490638
ENSG00000149488	62.25	91.50	0.5556979062
ENSG00000149489	154.75	161.25	0.0593597511
ENSG00000149499	1121.75	1175.00	0.0669095728
ENSG00000149503	271.25	207.25	-0.3882510358
ENSG00000149506	4.25	2.25	-0.9175378398
ENSG00000149516	0.25	0.50	1.0000000000
ENSG00000149527	4.25	3.50	-0.2801079192
ENSG00000149531	126.50	119.25	-0.0851481187
ENSG00000149532	1362.00	1202.50	-0.1796898094
ENSG00000149534	5.50	2.00	-1.4594316186
ENSG00000149541	419.75	498.75	0.2487865162
ENSG00000149547	2058.00	1923.75	-0.0973216557
ENSG00000149548	26.75	16.00	-0.7414669864
ENSG00000149554	351.25	341.00	-0.0427264861
ENSG00000149557	1760.25	1344.50	-0.3887105874
ENSG00000149564	6.75	4.75	-0.5069599887
ENSG00000149571	446.00	356.25	-0.3241536960
ENSG00000149573	1.75	0.50	-1.8073549221
ENSG00000149575	175.50	90.75	-0.9515014823
ENSG00000149577	1101.75	1600.75	0.5389511133
ENSG00000149582	226.00	186.75	-0.2752145296
ENSG00000149591	8031.50	18346.25	1.1917438418
ENSG00000149596	27.75	46.00	0.7291460897
ENSG00000149599	0.75	1.25	0.7369655942
ENSG00000149600	724.75	649.00	-0.1592649501
ENSG00000149609	9.75	9.25	-0.0759488532
ENSG00000149633	401.25	116.00	-1.7903765869
ENSG00000149634	25.75	19.50	-0.4010983083
ENSG00000149636	225.25	159.75	-0.4957111749
ENSG00000149639	1611.75	1360.50	-0.2444910269
ENSG00000149646	8.75	3.25	-1.4288432988
ENSG00000149657	927.75	753.00	-0.3010862310
ENSG00000149658	848.50	773.75	-0.1330471554
ENSG00000149679	193.00	190.75	-0.0169177904

ENSG00000149716	441.25	413.50	-0.0937089490
ENSG00000149742	0.75	1.50	1.0000000000
ENSG00000149743	293.00	297.00	0.0195622664
ENSG00000149761	362.75	439.75	0.2777079634
ENSG00000149781	16.75	20.00	0.2558389044
ENSG00000149782	719.75	789.75	0.1339001482
ENSG00000149792	952.00	597.25	-0.6726266249
ENSG00000149798	876.00	783.00	-0.1619185623
ENSG00000149806	3707.00	3591.50	-0.0456655996
ENSG00000149809	86.25	121.75	0.4973254104
ENSG00000149823	1473.75	1458.00	-0.0155010935
ENSG00000149922	19.50	12.25	-0.6706923747
ENSG00000149923	1076.25	1158.50	0.1062448066
ENSG00000149925	19692.00	17822.00	-0.1439503983
ENSG00000149926	6.25	3.50	-0.8365012677
ENSG00000149927	12.00	5.00	-1.2630344058
ENSG00000149929	203.50	196.75	-0.0486651588
ENSG00000149930	1686.25	1471.75	-0.1962858155
ENSG00000149932	1120.00	1011.75	-0.1466458833
ENSG00000149948	601.75	661.00	0.1354860350
ENSG00000149968	73.25	51.50	-0.5082563272
ENSG00000149970	7.00	12.00	0.7776075787
ENSG00000150045	1.75	2.50	0.5145731728
ENSG00000150048	1.50	3.50	1.2223924213
ENSG00000150051	34.25	36.50	0.0917924759
ENSG00000150054	24.25	29.50	0.2827302072
ENSG00000150076	18.00	12.25	-0.5552151573
ENSG00000150093	49484.00	56642.00	0.1949100830
ENSG00000150175	1.00	0.25	-2.0000000000
ENSG00000150275	3.00	2.25	-0.4150374993
ENSG00000150281	298.25	264.25	-0.1746186663
ENSG00000150316	785.75	686.25	-0.1953361229
ENSG00000150337	10.00	3.75	-1.4150374993
ENSG00000150347	10491.25	10360.00	-0.0181625778
ENSG00000150394	16.25	11.75	-0.4677789614
ENSG00000150401	275.00	245.75	-0.1622402021
ENSG00000150403	3575.00	4008.00	0.1649392666
ENSG00000150433	261.50	217.25	-0.2674547694
ENSG00000150455	171.75	136.75	-0.3287692660
ENSG00000150456	135.50	104.00	-0.3817093232
ENSG00000150457	2441.25	2533.50	0.0535117847
ENSG00000150459	2146.50	2084.50	-0.0422848006
ENSG00000150471	10.00	1.75	-2.5145731728

ENSG00000150477	434.75	359.25	-0.2751978708
ENSG00000150510	296.00	428.25	0.5328560705
ENSG00000150526	4.00	7.00	0.8073549221
ENSG00000150527	304.25	295.25	-0.0433202033
ENSG00000150540	874.50	1334.50	0.6097690162
ENSG00000150551	1.00	1.00	0.0000000000
ENSG00000150556	1.50	2.00	0.4150374993
ENSG00000150593	3598.25	2008.25	-0.8413565494
ENSG00000150594	69.50	13.25	-2.3910206182
ENSG00000150625	14.50	13.00	-0.1575412770
ENSG00000150627	72.00	77.75	0.1108457687
ENSG00000150628	4.25	2.25	-0.9175378398
ENSG00000150630	1598.50	1079.75	-0.5660214276
ENSG00000150636	115.25	45.00	-1.3567698441
ENSG00000150637	17.00	9.00	-0.9175378398
ENSG00000150656	7.00	6.50	-0.1069152039
ENSG00000150667	22.00	11.00	-1.0000000000
ENSG00000150672	47.00	61.50	0.3879256537
ENSG00000150676	2.75	3.50	0.3479233034
ENSG00000150681	1.00	2.50	1.3219280949
ENSG00000150687	10289.25	5002.25	-1.0404887590
ENSG00000150712	709.25	902.75	0.3480322697
ENSG00000150722	18.75	18.00	-0.0588936891
ENSG00000150753	1925.50	2299.50	0.2560870746
ENSG00000150756	207.75	151.25	-0.4579133346
ENSG00000150760	3309.00	3054.25	-0.1155771355
ENSG00000150764	1167.75	1194.00	0.0320713915
ENSG00000150768	431.00	533.00	0.3064476637
ENSG00000150773	31.00	28.50	-0.1213062962
ENSG00000150776	681.50	519.00	-0.3929791184
ENSG00000150779	281.25	235.00	-0.2591923395
ENSG00000150782	3.50	4.25	0.2801079192
ENSG00000150783	1.00	1.25	0.3219280949
ENSG00000150787	366.50	351.25	-0.0613149730
ENSG00000150867	721.00	769.00	0.0929843387
ENSG00000150873	5.25	4.75	-0.1443899093
ENSG00000150893	2.50	2.00	-0.3219280949
ENSG00000150907	244.75	1062.50	2.1180820763
ENSG00000150938	8198.50	15319.75	0.9019608713
ENSG00000150961	2925.50	2480.50	-0.2380522609
ENSG00000150967	105.25	53.75	-0.9694835735
ENSG00000150977	713.50	888.25	0.3160523539
ENSG00000150990	314.75	452.25	0.5229141249

ENSG00000150991	31004.75	33908.50	0.1291577090
ENSG00000150995	2356.75	2880.00	0.2892700836
ENSG00000151006	57.75	68.00	0.2357137998
ENSG00000151012	1315.75	603.75	-1.1238622058
ENSG00000151014	48.00	41.75	-0.2012582082
ENSG00000151023	4.25	2.75	-0.6280312226
ENSG00000151025	2.50	1.50	-0.7369655942
ENSG00000151062	33.50	28.25	-0.2459102280
ENSG00000151065	488.50	328.00	-0.5746627474
ENSG00000151067	2581.00	1643.75	-0.6509392470
ENSG00000151090	416.00	477.75	0.1996723448
ENSG00000151092	436.25	392.75	-0.1515438558
ENSG00000151093	111.25	102.75	-0.1146669422
ENSG00000151116	703.00	759.75	0.1120000804
ENSG00000151117	100.25	91.25	-0.1357057727
ENSG00000151131	58.75	44.75	-0.3927011693
ENSG00000151135	2507.25	1984.50	-0.3373302933
ENSG00000151136	19.50	30.25	0.6334610184
ENSG00000151148	1705.25	1655.25	-0.0429341323
ENSG00000151150	19.00	18.50	-0.0384741478
ENSG00000151151	286.00	417.00	0.5440322367
ENSG00000151164	35.25	17.75	-0.9898042329
ENSG00000151176	5375.25	5137.75	-0.0651951640
ENSG00000151208	1707.00	1986.50	0.2187657351
ENSG00000151229	380.00	461.50	0.2803312293
ENSG00000151233	700.25	690.25	-0.0207510955
ENSG00000151239	3291.25	2812.00	-0.2270390219
ENSG00000151240	1209.25	988.00	-0.2915295909
ENSG00000151247	878.00	720.50	-0.2852225094
ENSG00000151276	265.75	405.75	0.6105214030
ENSG00000151287	119.00	149.00	0.3243507572
ENSG00000151292	880.00	813.00	-0.1142481714
ENSG00000151304	152.75	151.25	-0.0142372377
ENSG00000151320	88.50	177.00	1.0000000000
ENSG00000151322	4.25	8.00	0.9125371587
ENSG00000151327	682.25	782.75	0.1982511139
ENSG00000151332	421.00	269.00	-0.6462140605
ENSG00000151338	359.25	299.50	-0.2624321537
ENSG00000151348	2724.25	2352.25	-0.2118177035
ENSG00000151353	505.00	427.50	-0.2403589679
ENSG00000151364	34.75	33.50	-0.0528518823
ENSG00000151365	2.75	2.25	-0.2895066172
ENSG00000151366	1580.50	1602.75	0.0201683735

ENSG00000151376	470.25	316.00 -0.5735033853
ENSG00000151388	992.00	869.25 -0.1905689587
ENSG00000151413	249.75	243.25 -0.0380448730
ENSG00000151414	2793.25	2798.50 0.0027090450
ENSG00000151422	933.50	901.25 -0.0507226681
ENSG00000151445	526.00	437.75 -0.2649556209
ENSG00000151458	1077.25	909.50 -0.2442075555
ENSG00000151461	1262.75	1094.50 -0.2062970873
ENSG00000151465	1027.00	1012.00 -0.0212268916
ENSG00000151466	185.25	163.50 -0.1801829068
ENSG00000151468	87.25	121.25 0.4747577109
ENSG00000151470	112.25	67.75 -0.7284225934
ENSG00000151474	511.50	407.75 -0.3270493630
ENSG00000151490	81.25	58.50 -0.4739311883
ENSG00000151491	1547.50	2082.00 0.4280306592
ENSG00000151498	428.25	411.25 -0.0584375675
ENSG00000151500	497.00	362.75 -0.4542702375
ENSG00000151502	1452.50	1071.75 -0.4385697465
ENSG00000151503	346.75	328.25 -0.0791008714
ENSG00000151532	592.25	668.00 0.1736418092
ENSG00000151552	440.75	391.00 -0.1727919620
ENSG00000151553	1332.25	1359.75 0.0294765927
ENSG00000151572	46.00	48.25 0.0688950812
ENSG00000151575	122.75	70.00 -0.8102961974
ENSG00000151576	221.75	220.00 -0.0114305808
ENSG00000151611	234.75	219.00 -0.1001942881
ENSG00000151612	724.50	476.00 -0.6060241162
ENSG00000151617	206.00	134.00 -0.6204113367
ENSG00000151623	115.00	45.00 -1.3536369546
ENSG00000151631	0.25	0.25 0.0000000000
ENSG00000151632	2113.00	1531.00 -0.4648184844
ENSG00000151640	158.50	110.75 -0.5171761416
ENSG00000151650	6.00	7.25 0.2730184944
ENSG00000151651	28.75	18.00 -0.6755650495
ENSG00000151655	4.00	3.50 -0.1926450779
ENSG00000151657	228.75	217.25 -0.0744155664
ENSG00000151665	387.50	392.00 0.0166573440
ENSG00000151687	81.00	63.00 -0.3625700794
ENSG00000151689	405.50	303.75 -0.4168175057
ENSG00000151690	668.00	1298.25 0.9586482176
ENSG00000151692	13.75	18.00 0.3885652879
ENSG00000151693	1241.00	1169.00 -0.0862281856
ENSG00000151694	1250.75	1610.75 0.3649391424

ENSG00000151702	41.75	39.50	-0.0799235443
ENSG00000151704	3.25	1.25	-1.3785116233
ENSG00000151715	2.25	4.50	1.0000000000
ENSG00000151718	1086.00	1171.25	0.1090249447
ENSG00000151725	29.50	40.50	0.4572069535
ENSG00000151726	786.50	2127.50	1.4356404612
ENSG00000151729	291.50	415.50	0.5113525936
ENSG00000151743	83.50	48.25	-0.7912472552
ENSG00000151746	346.00	279.50	-0.3079237548
ENSG00000151748	1463.50	1226.50	-0.2548755119
ENSG00000151773	198.50	188.00	-0.0784063455
ENSG00000151778	138.25	128.25	-0.1083206546
ENSG00000151779	1695.75	1390.50	-0.2863197481
ENSG00000151789	210.75	98.25	-1.1010033187
ENSG00000151790	19.00	9.25	-1.0384741478
ENSG00000151806	499.75	506.25	0.0186434359
ENSG00000151812	6.25	4.00	-0.6438561898
ENSG00000151834	1.75	1.00	-0.8073549221
ENSG00000151835	4321.25	2477.25	-0.8027092281
ENSG00000151846	0.75	0.50	-0.5849625007
ENSG00000151849	142.75	168.75	0.2413967566
ENSG00000151876	145.50	142.75	-0.0275284075
ENSG00000151881	227.75	154.50	-0.5598442159
ENSG00000151882	111.25	88.25	-0.3341371526
ENSG00000151883	393.25	327.75	-0.2628509852
ENSG00000151892	2052.25	1131.75	-0.8586511806
ENSG00000151893	927.50	1333.75	0.5240690842
ENSG00000151914	18534.50	13644.75	-0.4418672348
ENSG00000151917	395.00	236.50	-0.7400124697
ENSG00000151923	1310.75	1130.50	-0.2134315538
ENSG00000151929	1104.00	1352.50	0.2928884219
ENSG00000151948	2.25	0.25	-3.1699250014
ENSG00000151967	62.75	34.25	-0.8735114710
ENSG00000152034	2.00	1.00	-1.0000000000
ENSG00000152049	330.50	348.00	0.0744370343
ENSG00000152056	34.00	29.75	-0.1926450779
ENSG00000152061	642.50	626.50	-0.0363819448
ENSG00000152076	144.75	124.00	-0.2232232276
ENSG00000152078	73.50	60.75	-0.2748598412
ENSG00000152082	844.00	913.00	0.1133718613
ENSG00000152092	1.00	0.75	-0.4150374993
ENSG00000152102	3563.25	3264.25	-0.1264421539
ENSG00000152104	3191.50	3333.00	0.0625866697

ENSG00000152117	288.50	240.00	-0.2655369130
ENSG00000152127	3675.25	3432.25	-0.0986877487
ENSG00000152128	2.25	0.50	-2.1699250014
ENSG00000152133	350.75	281.25	-0.3185900075
ENSG00000152137	785.50	565.00	-0.4753604080
ENSG00000152147	163.50	128.00	-0.3531468255
ENSG00000152154	102.00	102.75	0.0105692417
ENSG00000152193	334.00	322.25	-0.0516677441
ENSG00000152207	5.75	4.00	-0.5235619561
ENSG00000152213	4.00	2.25	-0.8300749986
ENSG00000152217	1571.50	1264.75	-0.3132900330
ENSG00000152219	599.75	524.00	-0.1947944408
ENSG00000152223	3044.75	3710.00	0.2850954114
ENSG00000152229	169.25	157.00	-0.1083912747
ENSG00000152234	5517.00	5162.25	-0.0958839698
ENSG00000152240	295.75	257.75	-0.1984057410
ENSG00000152242	401.50	430.50	0.1006132499
ENSG00000152253	6.75	8.50	0.3325753391
ENSG00000152256	926.25	640.50	-0.5322030669
ENSG00000152270	511.25	374.75	-0.4481004599
ENSG00000152284	517.25	396.25	-0.3844508048
ENSG00000152291	8502.75	8275.75	-0.0390394562
ENSG00000152292	9.00	12.25	0.4447848427
ENSG00000152332	2495.50	3584.25	0.5223423645
ENSG00000152348	120.00	119.00	-0.0120728323
ENSG00000152359	101.75	75.75	-0.4257110008
ENSG00000152377	5415.75	8824.75	0.7043942650
ENSG00000152380	40.50	35.75	-0.1799786661
ENSG00000152382	120.00	113.25	-0.0835233556
ENSG00000152402	110.50	38.50	-1.5211160187
ENSG00000152404	281.25	243.50	-0.2079313240
ENSG00000152409	1012.50	913.50	-0.1484452740
ENSG00000152413	143.25	130.50	-0.1344853322
ENSG00000152422	116.25	118.25	0.0246094673
ENSG00000152430	1.25	1.50	0.2630344058
ENSG00000152433	88.75	56.25	-0.6578940232
ENSG00000152439	222.00	163.25	-0.4434766848
ENSG00000152443	417.75	282.25	-0.5656662473
ENSG00000152454	72.50	61.50	-0.2373945847
ENSG00000152455	134.75	109.75	-0.2960643332
ENSG00000152457	277.25	250.75	-0.1449377595
ENSG00000152463	2.00	16.75	3.0660891905
ENSG00000152464	161.00	146.25	-0.1386240636

ENSG00000152465	756.50	718.25	-0.0748539947
ENSG00000152467	2.50	1.50	-0.7369655942
ENSG00000152475	40.25	27.25	-0.5627325533
ENSG00000152484	735.25	957.75	0.3814142415
ENSG00000152492	3175.25	2952.25	-0.1050552898
ENSG00000152495	121.00	50.50	-1.2606517545
ENSG00000152503	1.50	7.50	2.3219280949
ENSG00000152518	6793.00	9798.25	0.5284752479
ENSG00000152520	694.00	623.25	-0.1551246851
ENSG00000152527	803.50	999.50	0.3149085431
ENSG00000152556	1606.75	1216.25	-0.4017056674
ENSG00000152558	4883.25	5225.25	0.0976584248
ENSG00000152578	3.25	1.25	-1.3785116233
ENSG00000152580	9191.50	3987.50	-1.2048158014
ENSG00000152582	162.00	159.75	-0.0201778819
ENSG00000152583	95.75	1737.50	4.1815966806
ENSG00000152601	4939.00	7603.75	0.6224921304
ENSG00000152611	0.50	1.25	1.3219280949
ENSG00000152620	365.75	263.50	-0.4730549025
ENSG00000152642	203.75	281.25	0.4650530370
ENSG00000152661	2855.00	2316.00	-0.3018554923
ENSG00000152669	0.25	2.50	3.3219280949
ENSG00000152683	763.25	709.00	-0.1063700570
ENSG00000152684	546.25	492.25	-0.1501701685
ENSG00000152689	26.75	25.50	-0.0690416444
ENSG00000152700	1084.25	1104.25	0.0263693892
ENSG00000152705	2.50	2.75	0.1375035237
ENSG00000152749	286.75	303.50	0.0819030302
ENSG00000152760	1.00	0.50	-1.0000000000
ENSG00000152763	123.25	88.50	-0.4778382863
ENSG00000152766	0.25	0.75	1.5849625007
ENSG00000152767	2835.50	2894.00	0.0294617656
ENSG00000152778	526.25	522.25	-0.0110077409
ENSG00000152779	14.50	89.75	2.6298590387
ENSG00000152782	118.25	87.25	-0.4386131471
ENSG00000152784	993.75	893.75	-0.1530116185
ENSG00000152785	10.75	11.50	0.0972972014
ENSG00000152795	3183.50	3055.25	-0.0593233289
ENSG00000152804	300.75	286.25	-0.0712890442
ENSG00000152818	3955.25	4667.25	0.2388038608
ENSG00000152822	2.50	5.50	1.1375035237
ENSG00000152894	1541.00	1180.25	-0.3847743789
ENSG00000152904	558.50	524.00	-0.0919904689

ENSG00000152926	544.25	333.25	-0.7076646271
ENSG00000152932	1.00	0.50	-1.0000000000
ENSG00000152936	3.25	2.25	-0.5305147167
ENSG00000152939	16.00	15.00	-0.0931094044
ENSG00000152942	270.75	187.25	-0.5319956191
ENSG00000152944	449.00	413.50	-0.1188281156
ENSG00000152952	2758.25	2309.25	-0.2563288565
ENSG00000152953	68.00	81.50	0.2612653130
ENSG00000152954	29.75	24.25	-0.2949049211
ENSG00000152990	886.25	482.00	-0.8786805759
ENSG00000153006	510.75	570.00	0.1583446203
ENSG00000153012	13.50	1.75	-2.9475325801
ENSG00000153015	512.00	440.00	-0.2186402865
ENSG00000153029	1698.50	1332.25	-0.3503963851
ENSG00000153037	406.75	418.50	0.0410852769
ENSG00000153044	61.75	40.00	-0.6264391367
ENSG00000153046	606.00	438.75	-0.4659186683
ENSG00000153048	1823.75	1825.25	0.0011861018
ENSG00000153060	1.50	1.75	0.2223924213
ENSG00000153064	43.25	47.00	0.1199606240
ENSG00000153066	625.00	862.75	0.4650863789
ENSG00000153071	12613.50	12112.25	-0.0585017626
ENSG00000153086	10.00	9.50	-0.0740005814
ENSG00000153093	16.50	13.25	-0.3164736648
ENSG00000153094	611.00	406.75	-0.5870300341
ENSG00000153107	961.75	1037.50	0.1093775068
ENSG00000153113	8044.75	9359.50	0.2183838725
ENSG00000153130	874.50	967.50	0.1458032771
ENSG00000153132	206.25	123.50	-0.7398830775
ENSG00000153140	282.50	214.50	-0.3972732198
ENSG00000153147	3058.25	2721.00	-0.1685693896
ENSG00000153157	5.50	5.00	-0.1375035237
ENSG00000153162	96.50	175.50	0.8628701830
ENSG00000153165	7.00	3.75	-0.9004643264
ENSG00000153179	1149.50	1431.50	0.3165212043
ENSG00000153187	7229.00	7152.00	-0.0154493540
ENSG00000153201	3442.25	3421.50	-0.0087229323
ENSG00000153207	1162.50	2422.25	1.0591170568
ENSG00000153208	120.25	43.75	-1.4586819719
ENSG00000153214	971.00	1343.50	0.4684531206
ENSG00000153233	3.50	1.25	-1.4854268272
ENSG00000153234	57.50	58.00	0.0124909442
ENSG00000153237	44.50	42.25	-0.0748539947

ENSG00000153246	1202.00	1186.00	-0.0193328862
ENSG00000153250	3809.25	4264.75	0.1629541984
ENSG00000153253	416.25	308.00	-0.4345199213
ENSG00000153283	5.75	8.00	0.4764380439
ENSG00000153291	472.00	515.25	0.1264857402
ENSG00000153292	14.75	7.50	-0.9757524538
ENSG00000153303	2.50	1.75	-0.5145731728
ENSG00000153310	231.75	221.50	-0.0652626401
ENSG00000153317	3869.00	4083.75	0.0779338209
ENSG00000153339	1212.00	1231.00	0.0224410630
ENSG00000153391	142.50	89.75	-0.6669780752
ENSG00000153395	394.75	428.25	0.1175139802
ENSG00000153404	5.50	4.50	-0.2895066172
ENSG00000153406	192.75	176.25	-0.1291076026
ENSG00000153443	279.75	409.50	0.5497253207
ENSG00000153446	19.25	9.75	-0.9813843218
ENSG00000153485	44.75	41.00	-0.1262637726
ENSG00000153487	215.00	209.75	-0.0356658491
ENSG00000153495	18.75	18.75	0.0000000000
ENSG00000153498	1.00	0.75	-0.4150374993
ENSG00000153531	62.00	37.50	-0.7253776199
ENSG00000153551	153.75	159.25	0.0507069620
ENSG00000153558	266.50	231.25	-0.2046821674
ENSG00000153560	1337.50	1409.50	0.0756445864
ENSG00000153561	491.00	481.25	-0.0289364838
ENSG00000153563	0.25	0.25	0.0000000000
ENSG00000153574	165.00	181.50	0.1375035237
ENSG00000153707	638.00	477.50	-0.4180556908
ENSG00000153714	880.75	635.50	-0.4708404445
ENSG00000153721	649.25	321.75	-1.0128339605
ENSG00000153767	222.00	233.50	0.0728628734
ENSG00000153774	1027.25	931.75	-0.1407725114
ENSG00000153786	4373.25	4310.50	-0.0208505979
ENSG00000153789	5.25	4.50	-0.2223924213
ENSG00000153790	102.50	109.25	0.0920093700
ENSG00000153814	1092.50	898.25	-0.2824443444
ENSG00000153815	509.00	383.50	-0.4084390786
ENSG00000153822	3.75	3.00	-0.3219280949
ENSG00000153823	1183.25	1667.00	0.4944991822
ENSG00000153827	5434.50	5465.00	0.0080741894
ENSG00000153832	113.75	93.50	-0.2828282752
ENSG00000153879	496.25	294.25	-0.7540246870
ENSG00000153885	164.75	107.25	-0.6193008175

ENSG00000153896	134.25	98.50	-0.4467264585
ENSG00000153898	67.25	86.50	0.3631658651
ENSG00000153902	38.75	24.50	-0.6614145612
ENSG00000153904	1884.75	4420.50	1.2298363892
ENSG00000153914	1859.25	1557.50	-0.2554886089
ENSG00000153922	698.25	617.75	-0.1767205630
ENSG00000153930	6.50	7.25	0.1575412770
ENSG00000153933	127.75	153.75	0.2672631193
ENSG00000153936	1495.00	2602.50	0.7997526791
ENSG00000153944	744.75	668.75	-0.1552892321
ENSG00000153956	1588.75	1197.00	-0.4084689729
ENSG00000153975	129.50	133.25	0.0411834351
ENSG00000153976	139.75	183.50	0.3929317800
ENSG00000153982	20.25	17.00	-0.2523871616
ENSG00000153989	1066.25	1273.75	0.2565364048
ENSG00000153993	930.25	592.00	-0.6520213095
ENSG00000154001	1090.50	1098.00	0.0098882844
ENSG00000154016	1.50	2.25	0.5849625007
ENSG00000154025	1.50	1.50	0.0000000000
ENSG00000154027	613.00	883.25	0.5269347702
ENSG00000154040	130.75	126.00	-0.0533872127
ENSG00000154059	919.75	713.50	-0.3663283415
ENSG00000154065	499.75	393.25	-0.3457598013
ENSG00000154079	119.00	97.00	-0.2949049211
ENSG00000154080	3.00	2.50	-0.2630344058
ENSG00000154096	13680.00	11160.50	-0.2936665676
ENSG00000154099	10.75	6.50	-0.7258250366
ENSG00000154102	102.00	46.75	-1.1255308821
ENSG00000154114	645.00	675.75	0.0671904462
ENSG00000154118	1.00	2.00	1.0000000000
ENSG00000154122	797.50	684.75	-0.2199071579
ENSG00000154124	406.00	446.75	0.1379880019
ENSG00000154127	299.25	584.50	0.9658517776
ENSG00000154133	9.50	4.50	-1.0780025120
ENSG00000154134	232.50	146.50	-0.6663300516
ENSG00000154144	1226.00	1222.25	-0.0044195737
ENSG00000154146	24.25	16.75	-0.5338236517
ENSG00000154153	24.00	21.25	-0.1755715646
ENSG00000154162	2.25	0.50	-2.1699250014
ENSG00000154174	1588.75	1437.75	-0.1440792875
ENSG00000154175	7097.00	6847.75	-0.0515792740
ENSG00000154188	2476.75	3641.50	0.5560845930
ENSG00000154217	144.50	259.50	0.8446650459

ENSG00000154222	760.50	819.25	0.1073555198
ENSG00000154227	0.50	0.25	-1.0000000000
ENSG00000154229	3663.50	4004.25	0.1283094340
ENSG00000154237	1584.50	1520.50	-0.0594818434
ENSG00000154240	258.00	312.25	0.2753305062
ENSG00000154258	1991.75	1965.00	-0.0195072624
ENSG00000154262	1694.75	3015.75	0.8314443661
ENSG00000154263	237.75	80.00	-1.5713734360
ENSG00000154265	469.50	399.75	-0.2320271242
ENSG00000154269	4.25	6.25	0.5563933485
ENSG00000154274	4.25	4.25	0.0000000000
ENSG00000154277	5241.50	4252.50	-0.3016685020
ENSG00000154305	2632.00	2184.50	-0.2688563833
ENSG00000154309	522.75	348.00	-0.5870338507
ENSG00000154310	1121.50	487.25	-1.2026955298
ENSG00000154319	65.25	122.25	0.9057846584
ENSG00000154328	214.75	182.25	-0.2367393168
ENSG00000154330	2831.00	2242.00	-0.3365254711
ENSG00000154358	397.00	243.25	-0.7066992024
ENSG00000154359	327.25	212.50	-0.6229303509
ENSG00000154370	350.50	333.50	-0.0717276828
ENSG00000154380	5042.50	5613.00	0.1546328805
ENSG00000154429	169.75	117.00	-0.5369030447
ENSG00000154438	4.00	1.25	-1.6780719051
ENSG00000154447	597.25	597.00	-0.0006040172
ENSG00000154451	21.50	9.25	-1.2168113891
ENSG00000154473	1485.75	1408.00	-0.0775440470
ENSG00000154478	2.50	0.75	-1.7369655942
ENSG00000154479	18.50	39.50	1.0943273825
ENSG00000154485	1.00	1.75	0.8073549221
ENSG00000154493	2.50	1.75	-0.5145731728
ENSG00000154511	1873.25	1671.25	-0.1646158912
ENSG00000154518	1431.75	1386.25	-0.0465921431
ENSG00000154529	105.25	166.75	0.6638665281
ENSG00000154545	540.75	399.75	-0.4358637265
ENSG00000154548	9.75	8.75	-0.1561192019
ENSG00000154553	184.50	164.50	-0.1655332323
ENSG00000154556	29.50	71.50	1.2772282874
ENSG00000154582	691.00	756.25	0.1301775267
ENSG00000154589	160.25	92.00	-0.8006185906
ENSG00000154608	25.25	15.25	-0.7274741452
ENSG00000154620	3.00	3.00	0.0000000000
ENSG00000154639	15.75	12.25	-0.3625700794

ENSG00000154640	511.75	475.50 -0.1059938562
ENSG00000154642	279.50	224.00 -0.3193495508
ENSG00000154645	2.50	2.75 0.1375035237
ENSG00000154654	1898.00	891.75 -1.0897687766
ENSG00000154655	7.25	6.00 -0.2730184944
ENSG00000154678	990.50	868.00 -0.1904619324
ENSG00000154710	1182.25	1410.75 0.2549272078
ENSG00000154719	209.00	199.50 -0.0671141959
ENSG00000154721	586.50	703.25 0.2619065393
ENSG00000154723	924.25	899.25 -0.0395608841
ENSG00000154727	956.50	788.50 -0.2786542136
ENSG00000154734	11456.75	47855.25 2.0624793606
ENSG00000154736	1572.50	5703.25 1.8587242570
ENSG00000154743	151.25	186.00 0.2983674789
ENSG00000154760	38.75	42.50 0.1332665309
ENSG00000154764	0.75	0.75 0.0000000000
ENSG00000154767	2397.75	1461.75 -0.7139846535
ENSG00000154781	466.75	382.25 -0.2881335209
ENSG00000154783	38.50	21.75 -0.8238430448
ENSG00000154803	1736.75	1280.75 -0.4394012055
ENSG00000154813	788.75	954.00 0.2744211661
ENSG00000154814	107.25	112.75 0.0721497858
ENSG00000154822	330.25	296.75 -0.1543105316
ENSG00000154832	805.25	718.25 -0.1649506679
ENSG00000154839	20.00	10.75 -0.8956633402
ENSG00000154845	1601.75	1563.75 -0.0346391061
ENSG00000154856	735.50	2337.75 1.6683234091
ENSG00000154864	222.50	73.25 -1.6029046714
ENSG00000154874	333.25	346.50 0.0562504770
ENSG00000154889	678.75	777.25 0.1954984186
ENSG00000154898	10.00	7.75 -0.3677317845
ENSG00000154914	5.50	10.00 0.8624964763
ENSG00000154917	60.25	44.50 -0.4371559053
ENSG00000154920	21.25	10.75 -0.9831261814
ENSG00000154928	12.75	10.75 -0.2461605873
ENSG00000154930	303.00	974.75 1.6857144559
ENSG00000154945	1133.00	1311.00 0.2105198244
ENSG00000154957	193.75	173.25 -0.1613409580
ENSG00000154978	1841.25	2197.75 0.2553417599
ENSG00000154997	21.00	18.00 -0.2223924213
ENSG00000155008	497.00	723.25 0.5412485664
ENSG00000155011	20.25	6.25 -1.6959938131
ENSG00000155016	1289.50	1381.50 0.0994237890

ENSG00000155026	6.50	3.75	-0.7935491225
ENSG00000155034	275.75	321.25	0.2203355685
ENSG00000155052	2.50	2.50	0.0000000000
ENSG00000155066	20.75	20.75	0.0000000000
ENSG00000155070	0.50	1.00	1.0000000000
ENSG00000155085	178.50	124.75	-0.5168842587
ENSG00000155087	0.25	0.50	1.0000000000
ENSG00000155090	885.50	540.50	-0.7121976890
ENSG00000155093	18.00	17.00	-0.0824621602
ENSG00000155096	2549.50	2065.75	-0.3035486702
ENSG00000155097	1681.25	1773.00	0.0766582686
ENSG00000155099	416.25	332.25	-0.3251810727
ENSG00000155100	198.00	217.25	0.1338557467
ENSG00000155111	938.00	762.25	-0.2993236775
ENSG00000155115	423.25	398.00	-0.0887416374
ENSG00000155158	412.50	326.00	-0.3395221549
ENSG00000155189	214.75	310.00	0.5296100841
ENSG00000155229	1226.25	1172.00	-0.0652805667
ENSG00000155252	1379.75	1048.00	-0.3967681687
ENSG00000155254	2537.75	2514.25	-0.0134218440
ENSG00000155256	460.50	386.50	-0.2527327422
ENSG00000155269	37.25	10.75	-1.7929037658
ENSG00000155275	195.50	189.75	-0.0430687219
ENSG00000155287	550.00	459.75	-0.2585820440
ENSG00000155304	786.25	745.50	-0.0767797595
ENSG00000155307	0.75	0.50	-0.5849625007
ENSG00000155313	1932.00	1457.50	-0.4065992107
ENSG00000155324	456.75	977.50	1.0976919736
ENSG00000155329	173.00	175.25	0.0186424064
ENSG00000155330	120.75	110.25	-0.1312445333
ENSG00000155363	996.50	794.00	-0.3277307977
ENSG00000155366	4325.25	4332.75	0.0024994723
ENSG00000155367	14.00	17.00	0.2801079192
ENSG00000155368	753.50	803.25	0.0922415639
ENSG00000155380	443.50	351.00	-0.3374630740
ENSG00000155393	206.75	272.50	0.3983689005
ENSG00000155428	6.75	5.50	-0.2954558835
ENSG00000155438	422.00	439.25	0.0577992873
ENSG00000155463	2142.50	1772.25	-0.2737130743
ENSG00000155465	148.75	152.50	0.0359195743
ENSG00000155506	4172.75	4647.00	0.1553011572
ENSG00000155508	701.50	872.75	0.3151253479
ENSG00000155511	2162.00	3667.25	0.7623320963

ENSG00000155530	3.00	3.00	0.0000000000
ENSG00000155542	67.75	50.50	-0.4239375586
ENSG00000155545	489.75	443.50	-0.1431113880
ENSG00000155561	1010.00	762.25	-0.4060191426
ENSG00000155592	248.75	203.50	-0.2896677312
ENSG00000155621	261.25	221.00	-0.2413846676
ENSG00000155629	66.25	52.50	-0.3356030318
ENSG00000155636	214.25	208.25	-0.0409787087
ENSG00000155640	135.25	105.75	-0.3549709307
ENSG00000155657	496.00	452.00	-0.1340173480
ENSG00000155660	4588.50	3544.50	-0.3724404776
ENSG00000155666	79.00	53.00	-0.5758602936
ENSG00000155714	1.00	1.25	0.3219280949
ENSG00000155719	1.25	1.00	-0.3219280949
ENSG00000155729	494.75	452.75	-0.1279850661
ENSG00000155744	373.00	324.50	-0.2009571523
ENSG00000155749	13.00	30.75	1.2420747872
ENSG00000155754	33.00	18.50	-0.8349407537
ENSG00000155755	1070.00	804.25	-0.4118948606
ENSG00000155760	2136.50	1504.25	-0.5062049603
ENSG00000155761	0.75	1.00	0.4150374993
ENSG00000155792	42.50	24.75	-0.7800343161
ENSG00000155816	337.25	449.25	0.4137000606
ENSG00000155827	1567.50	1125.25	-0.4782198783
ENSG00000155833	1.50	1.50	0.0000000000
ENSG00000155846	18.75	18.00	-0.0588936891
ENSG00000155849	19.50	38.50	0.9813843218
ENSG00000155850	647.00	732.75	0.1795553507
ENSG00000155858	130.25	143.75	0.1422785836
ENSG00000155868	182.50	166.50	-0.1323742867
ENSG00000155875	4.25	2.75	-0.6280312226
ENSG00000155876	2023.00	2052.75	0.0210616155
ENSG00000155886	7.50	7.50	0.0000000000
ENSG00000155893	607.00	324.50	-0.9034780383
ENSG00000155897	44.25	4.00	-3.4676055501
ENSG00000155903	828.50	837.00	0.0147259253
ENSG00000155906	465.50	486.50	0.0636586372
ENSG00000155918	1.25	0.50	-1.3219280949
ENSG00000155926	2.00	3.75	0.9068905956
ENSG00000155957	862.50	930.25	0.1090940286
ENSG00000155959	556.75	536.00	-0.0547966523
ENSG00000155961	13.25	5.50	-1.2684888359
ENSG00000155962	584.75	239.25	-1.2893010319

ENSG00000155966	5.25	2.25	-1.2223924213
ENSG00000155970	288.75	245.75	-0.2326295300
ENSG00000155974	3.75	9.25	1.3025627700
ENSG00000155975	855.50	1113.75	0.3805856719
ENSG00000155980	54.50	35.75	-0.6083129880
ENSG00000156011	2615.25	1650.00	-0.6644828404
ENSG00000156017	455.25	350.00	-0.3793040951
ENSG00000156026	905.00	974.50	0.1067443933
ENSG00000156030	901.00	795.00	-0.1805722456
ENSG00000156042	148.00	127.50	-0.2150999288
ENSG00000156049	93.00	74.25	-0.3248396903
ENSG00000156050	267.25	148.00	-0.8525927721
ENSG00000156052	1609.25	1870.50	0.2170354970
ENSG00000156076	0.50	0.25	-1.0000000000
ENSG00000156096	0.25	0.50	1.0000000000
ENSG00000156097	3.75	2.25	-0.7369655942
ENSG00000156103	36.50	30.00	-0.2829339633
ENSG00000156110	455.75	392.00	-0.2173890019
ENSG00000156113	1111.00	671.75	-0.7258624954
ENSG00000156127	1.25	0.50	-1.3219280949
ENSG00000156136	218.75	207.25	-0.0779109152
ENSG00000156140	207.50	269.50	0.3771739365
ENSG00000156150	105.50	81.75	-0.3679523632
ENSG00000156162	1250.25	1382.25	0.1448019666
ENSG00000156170	163.75	126.00	-0.3780711729
ENSG00000156171	1486.25	1249.25	-0.2506145919
ENSG00000156172	57.25	51.00	-0.1667784461
ENSG00000156194	73.75	34.50	-1.0960466875
ENSG00000156206	0.75	0.50	-0.5849625007
ENSG00000156218	99.25	89.50	-0.1491794199
ENSG00000156219	7.25	6.25	-0.2141248054
ENSG00000156232	281.25	382.75	0.4445492814
ENSG00000156239	379.50	250.50	-0.5992892822
ENSG00000156253	420.25	389.75	-0.1086987965
ENSG00000156256	1057.50	1117.00	0.0789715225
ENSG00000156261	2312.75	2614.75	0.1770636907
ENSG00000156265	513.75	618.75	0.2682901313
ENSG00000156269	1.25	2.00	0.6780719051
ENSG00000156273	1511.25	1551.75	0.0381538064
ENSG00000156298	0.75	2.00	1.4150374993
ENSG00000156299	5.75	4.25	-0.4360991148
ENSG00000156304	1034.50	953.25	-0.1180071141
ENSG00000156313	113.50	146.25	0.3657443272

ENSG00000156345	193.50	123.50 -0.6478225246
ENSG00000156374	178.00	189.00 0.0865089933
ENSG00000156381	230.25	216.75 -0.0871691629
ENSG00000156384	83.00	78.00 -0.0896372125
ENSG00000156398	67.00	73.50 0.1335831544
ENSG00000156411	751.50	669.25 -0.1672278703
ENSG00000156413	0.25	0.25 0.0000000000
ENSG00000156414	13.00	20.50 0.6571122865
ENSG00000156427	38.50	46.25 0.2645949198
ENSG00000156453	21.50	8.25 -1.3818706353
ENSG00000156463	10.00	12.50 0.3219280949
ENSG00000156466	12.25	3.75 -1.7078192485
ENSG00000156467	2827.00	2176.25 -0.3774275853
ENSG00000156469	241.75	223.50 -0.1132410583
ENSG00000156471	2839.75	1900.75 -0.5791951353
ENSG00000156475	13.50	10.50 -0.3625700794
ENSG00000156482	9700.50	8242.75 -0.2349333721
ENSG00000156486	215.75	198.00 -0.1238601291
ENSG00000156500	79.50	57.75 -0.4611339139
ENSG00000156502	372.50	295.75 -0.3328622570
ENSG00000156504	452.25	447.00 -0.0168456714
ENSG00000156508	299463.50	224447.00 -0.4160053583
ENSG00000156509	5.25	5.00 -0.0703893279
ENSG00000156510	1.75	2.75 0.6520766966
ENSG00000156515	2456.00	2716.00 0.1451729189
ENSG00000156521	262.00	315.75 0.2692159223
ENSG00000156531	655.00	558.50 -0.2299376259
ENSG00000156535	4012.25	4096.00 0.0298042134
ENSG00000156574	2.25	3.50 0.6374299206
ENSG00000156587	1479.00	1274.25 -0.2149736992
ENSG00000156599	2483.00	2723.75 0.1335100298
ENSG00000156603	231.25	200.50 -0.2058511289
ENSG00000156639	2290.75	2088.75 -0.1331801911
ENSG00000156642	2637.75	2684.00 0.0250768359
ENSG00000156650	1028.75	892.75 -0.2045642967
ENSG00000156671	1353.75	1772.00 0.3884172661
ENSG00000156675	967.50	2448.50 1.3395646297
ENSG00000156689	42.00	47.00 0.1622714289
ENSG00000156697	374.00	364.75 -0.0361302920
ENSG00000156709	472.75	398.25 -0.2474030964
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ENSG00000156735	543.00	579.00 0.0926111502
ENSG00000156787	147.75	136.75 -0.1116172974

ENSG00000156795	80.75	98.50	0.2866614648
ENSG00000156802	486.50	387.75	-0.3273130237
ENSG00000156804	2503.50	4804.50	0.9404398434
ENSG00000156831	285.50	274.75	-0.0553712644
ENSG00000156853	217.00	188.75	-0.2012183982
ENSG00000156858	445.00	423.25	-0.0722952680
ENSG00000156860	1087.25	1129.25	0.0546812050
ENSG00000156869	288.25	120.25	-1.2612837139
ENSG00000156873	296.50	274.50	-0.1112259555
ENSG00000156875	1046.25	1055.75	0.0130406244
ENSG00000156876	76.75	41.25	-0.8957726311
ENSG00000156886	5.75	3.75	-0.6166713604
ENSG00000156925	1.25	0.50	-1.3219280949
ENSG00000156928	294.75	348.50	0.2416668429
ENSG00000156931	1004.75	711.00	-0.4989151124
ENSG00000156958	294.50	280.75	-0.0689816114
ENSG00000156959	1.50	2.25	0.5849625007
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ENSG00000156968	68.50	81.00	0.2418179199
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ENSG00000156973	319.50	266.00	-0.2643896854
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ENSG00000156983	410.50	370.25	-0.1488824865
ENSG00000156990	297.75	274.75	-0.1159820269
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ENSG00000157014	826.75	903.50	0.1280734607
ENSG00000157017	6.75	5.75	-0.2313255461
ENSG00000157020	1726.25	1440.00	-0.2615726028
ENSG00000157036	242.50	277.75	0.1958021643
ENSG00000157045	511.25	505.50	-0.0163178459
ENSG00000157064	10.25	30.25	1.5613112327
ENSG00000157077	951.25	829.25	-0.1980174416
ENSG00000157087	0.25	0.75	1.5849625007
ENSG00000157106	3449.75	3331.50	-0.0503199214
ENSG00000157107	782.50	989.50	0.3386089552
ENSG00000157110	2677.50	4222.75	0.6572962626
ENSG00000157111	38.50	44.25	0.2008190094
ENSG00000157150	49.50	355.00	2.8423185943
ENSG00000157152	11.00	70.00	2.6698513983
ENSG00000157168	124.75	51.75	-1.2694090478
ENSG00000157181	505.00	474.50	-0.0898753006
ENSG00000157184	293.50	234.00	-0.3268519735
ENSG00000157191	1313.75	1303.50	-0.0113001813

ENSG00000157193	99.00	100.25	0.0181018064
ENSG00000157212	384.25	310.50	-0.3074519915
ENSG00000157214	1297.50	4537.25	1.8060836150
ENSG00000157216	1277.25	1790.25	0.4871201314
ENSG00000157224	694.00	751.50	0.1148374413
ENSG00000157227	32367.25	25918.75	-0.3205386538
ENSG00000157240	1992.75	2040.75	0.0343387288
ENSG00000157259	1147.50	1055.50	-0.1205675750
ENSG00000157303	8.00	1.50	-2.4150374993
ENSG00000157315	11.00	9.00	-0.2895066172
ENSG00000157322	6.25	3.75	-0.7369655942
ENSG00000157326	466.50	481.50	0.0456587170
ENSG00000157330	9.50	4.50	-1.0780025120
ENSG00000157335	0.50	1.75	1.8073549221
ENSG00000157343	12.75	20.25	0.6674246609
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ENSG00000157353	236.50	225.75	-0.0671141959
ENSG00000157368	95.00	20.75	-2.1948161770
ENSG00000157379	346.25	315.75	-0.1330313371
ENSG00000157388	11.25	6.50	-0.7914133782
ENSG00000157399	80.50	67.25	-0.2594545156
ENSG00000157404	601.50	393.75	-0.6112848139
ENSG00000157423	34.00	31.25	-0.1216785566
ENSG00000157426	301.25	258.50	-0.2207969608
ENSG00000157429	95.00	66.00	-0.5254614890
ENSG00000157445	152.00	79.75	-0.9305148997
ENSG00000157450	850.25	950.75	0.1611789329
ENSG00000157456	40.75	45.75	0.1669716841
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ENSG00000157483	1779.00	2964.50	0.7367222861
ENSG00000157500	1323.25	1239.75	-0.0940364286
ENSG00000157502	1.25	8.25	2.7224660245
ENSG00000157510	239.50	751.50	1.6497474482
ENSG00000157514	424.00	3615.75	3.0921587606
ENSG00000157538	1636.25	1787.25	0.1273482601
ENSG00000157540	1034.00	975.25	-0.0843921873
ENSG00000157542	34.50	42.00	0.2837929660
ENSG00000157551	13.75	16.75	0.2847294769
ENSG00000157554	5.25	5.00	-0.0703893279
ENSG00000157557	1206.50	1054.25	-0.1946108939
ENSG00000157570	53.50	37.25	-0.5222984659
ENSG00000157578	32.00	13.25	-1.2720795454

ENSG00000157593	1859.75	1890.25	0.0234683568
ENSG00000157600	264.00	262.25	-0.0095951568
ENSG00000157601	322.50	209.25	-0.6240715378
ENSG00000157613	3987.75	1853.75	-1.1051282745
ENSG00000157617	660.50	1293.25	0.9693707250
ENSG00000157625	710.50	585.00	-0.2803980248
ENSG00000157637	2588.25	2795.00	0.1108713086
ENSG00000157653	11.75	9.50	-0.3066613382
ENSG00000157654	165.75	309.75	0.9020954120
ENSG00000157657	854.50	559.25	-0.6115871406
ENSG00000157680	632.50	1121.25	0.8259706002
ENSG00000157693	297.25	198.75	-0.5807219496
ENSG00000157734	45.00	46.00	0.0317088597
ENSG00000157741	700.75	548.00	-0.3547239461
ENSG00000157764	733.75	702.00	-0.0638175677
ENSG00000157765	5.00	3.00	-0.7369655942
ENSG00000157766	182.50	421.50	1.2076361672
ENSG00000157778	150.00	154.00	0.0379678502
ENSG00000157782	12.00	12.50	0.0588936891
ENSG00000157796	1597.50	1831.25	0.1970128284
ENSG00000157800	1003.75	894.50	-0.1662466004
ENSG00000157823	992.50	956.25	-0.0536792596
ENSG00000157827	1423.25	1889.25	0.4086245231
ENSG00000157833	209.75	199.00	-0.0759023799
ENSG00000157837	1203.50	1015.25	-0.2454011146
ENSG00000157851	4.00	2.50	-0.6780719051
ENSG00000157856	0.50	1.50	1.5849625007
ENSG00000157869	289.00	275.75	-0.0677086069
ENSG00000157870	193.25	213.25	0.1420773274
ENSG00000157873	323.00	241.25	-0.4210052225
ENSG00000157881	10.25	12.25	0.2571578395
ENSG00000157890	4.00	3.75	-0.0931094044
ENSG00000157895	339.00	307.75	-0.1395264167
ENSG00000157911	360.50	275.50	-0.3879469407
ENSG00000157916	2491.50	2628.25	0.0770879378
ENSG00000157927	56.50	54.25	-0.0586277300
ENSG00000157933	2334.00	2111.50	-0.1445363139
ENSG00000157954	2025.25	2225.50	0.1360294933
ENSG00000157978	560.00	528.25	-0.0842059650
ENSG00000157985	1169.75	1103.50	-0.0841135991
ENSG00000157992	8.50	4.75	-0.8395353278
ENSG00000157999	11.00	7.00	-0.6520766966
ENSG00000158006	271.75	186.50	-0.5431044048

ENSG00000158008	50.00	35.00	-0.5145731728
ENSG00000158014	13.75	15.00	0.1255308821
ENSG00000158019	831.00	738.75	-0.1697622517
ENSG00000158022	0.75	5.50	2.8744691179
ENSG00000158023	114.00	93.50	-0.2859955543
ENSG00000158042	637.50	452.75	-0.4937107008
ENSG00000158050	1.50	3.25	1.1154772174
ENSG00000158055	3.00	0.25	-3.5849625007
ENSG00000158062	220.50	146.50	-0.5898779911
ENSG00000158077	3.25	2.25	-0.5305147167
ENSG00000158079	225.50	400.75	0.8295750869
ENSG00000158089	37.25	28.75	-0.3736784695
ENSG00000158092	704.25	534.75	-0.3972230812
ENSG00000158104	45.75	60.25	0.3971894979
ENSG00000158106	8.75	7.25	-0.2713020218
ENSG00000158109	1920.50	1832.75	-0.0674719583
ENSG00000158113	34.50	29.00	-0.2505434617
ENSG00000158122	649.25	1049.25	0.6925124492
ENSG00000158125	20.75	33.75	0.7017761657
ENSG00000158156	159.75	182.25	0.1901028834
ENSG00000158158	221.25	240.25	0.1188589758
ENSG00000158161	649.50	555.00	-0.2268417542
ENSG00000158163	158.25	175.25	0.1472089446
ENSG00000158164	8.50	5.00	-0.7655347464
ENSG00000158169	266.25	249.25	-0.0951880207
ENSG00000158186	1269.50	1102.25	-0.2038089180
ENSG00000158195	4364.00	4571.75	0.0670954122
ENSG00000158201	74.75	101.75	0.4448833101
ENSG00000158220	5.75	4.25	-0.4360991148
ENSG00000158234	119.75	139.50	0.2202394661
ENSG00000158246	25.25	116.75	2.2090672570
ENSG00000158258	51.50	114.25	1.1495498279
ENSG00000158270	4845.75	4086.00	-0.2460307717
ENSG00000158286	111.25	94.25	-0.2392408126
ENSG00000158290	2685.00	2419.25	-0.1503622262
ENSG00000158292	869.25	433.75	-1.0029074043
ENSG00000158296	86.00	110.25	0.3583700909
ENSG00000158301	514.75	247.75	-1.0549868674
ENSG00000158315	38.75	29.50	-0.3934813559
ENSG00000158321	513.25	586.50	0.1924693859
ENSG00000158352	63.00	47.25	-0.4150374993
ENSG00000158373	150.50	97.75	-0.6225948795
ENSG00000158402	6.00	5.75	-0.0614005447

ENSG00000158406	76.00	52.75	-0.5268283247
ENSG00000158411	362.00	309.75	-0.2248854149
ENSG00000158417	3594.00	3272.00	-0.1354176606
ENSG00000158423	18.00	7.25	-1.3119440063
ENSG00000158427	64.50	55.50	-0.2168113891
ENSG00000158428	4.75	7.25	0.6100534817
ENSG00000158435	682.25	686.50	0.0089592309
ENSG00000158445	117.50	100.25	-0.2290585201
ENSG00000158457	3.75	5.25	0.4854268272
ENSG00000158458	2.50	1.50	-0.7369655942
ENSG00000158467	734.50	385.25	-0.9309675340
ENSG00000158470	1415.25	1551.50	0.1326067732
ENSG00000158473	4.25	7.00	0.7198920808
ENSG00000158480	313.50	264.25	-0.2465619714
ENSG00000158482	2.25	3.50	0.6374299206
ENSG00000158483	131.75	79.75	-0.7242465379
ENSG00000158486	4.50	4.50	0.0000000000
ENSG00000158517	5.50	3.75	-0.5525410230
ENSG00000158525	2.00	0.50	-2.0000000000
ENSG00000158526	759.50	675.00	-0.1701624626
ENSG00000158528	71.75	39.25	-0.8702861778
ENSG00000158545	918.75	859.25	-0.0965943982
ENSG00000158552	442.50	298.50	-0.5679465237
ENSG00000158555	488.25	728.25	0.5768137523
ENSG00000158560	9.75	9.25	-0.0759488532
ENSG00000158571	1.25	1.00	-0.3219280949
ENSG00000158604	1305.25	1212.75	-0.1060439792
ENSG00000158615	660.00	602.00	-0.1327025375
ENSG00000158623	827.00	618.50	-0.4191137342
ENSG00000158636	515.75	389.00	-0.4069017609
ENSG00000158669	1957.50	1612.25	-0.2799368380
ENSG00000158683	4.25	5.00	0.2344652536
ENSG00000158691	182.25	145.00	-0.3298659143
ENSG00000158710	10804.25	8871.75	-0.2843083109
ENSG00000158711	1012.75	937.00	-0.1121571320
ENSG00000158714	12.50	16.50	0.4005379296
ENSG00000158715	14.50	8.00	-0.8579809951
ENSG00000158716	98.00	232.50	1.2463770619
ENSG00000158717	187.25	142.25	-0.3965370662
ENSG00000158747	9951.50	14510.50	0.5441113263
ENSG00000158769	60.25	81.25	0.4314065717
ENSG00000158773	575.25	466.25	-0.3030853531
ENSG00000158792	98.25	116.25	0.2427014037

ENSG00000158793	421.25	354.75	-0.2478740020
ENSG00000158796	684.50	659.50	-0.0536778820
ENSG00000158805	324.25	318.50	-0.0258132020
ENSG00000158806	50.00	21.00	-1.2515387670
ENSG00000158813	46.00	117.00	1.3468027635
ENSG00000158815	9.00	6.75	-0.4150374993
ENSG00000158816	6.50	13.25	1.0274807364
ENSG00000158825	22.00	19.75	-0.1556508705
ENSG00000158828	3261.00	3850.50	0.2397313555
ENSG00000158850	296.00	303.50	0.0360993406
ENSG00000158856	48.00	39.25	-0.2903417518
ENSG00000158859	82.50	88.25	0.0972021590
ENSG00000158863	1450.25	1506.75	0.0551384455
ENSG00000158864	1432.75	1299.25	-0.1411078372
ENSG00000158865	1.25	1.25	0.0000000000
ENSG00000158869	3.25	2.00	-0.7004397181
ENSG00000158874	2.50	1.50	-0.7369655942
ENSG00000158882	230.50	185.25	-0.3152932081
ENSG00000158887	18.50	16.50	-0.1650592463
ENSG00000158901	1.00	1.50	0.5849625007
ENSG00000158941	1701.50	1624.50	-0.0668114076
ENSG00000158955	2.00	0.50	-2.0000000000
ENSG00000158966	372.50	296.50	-0.3292083208
ENSG00000158985	339.50	447.50	0.3984761079
ENSG00000158987	1244.00	815.00	-0.6101145210
ENSG00000159023	528.25	262.50	-1.0089034394
ENSG00000159055	87.50	59.50	-0.5563933485
ENSG00000159063	423.50	401.50	-0.0769619818
ENSG00000159069	2053.50	2216.50	0.1101984152
ENSG00000159079	301.50	295.50	-0.0289998717
ENSG00000159082	577.00	379.25	-0.6054221384
ENSG00000159086	766.25	613.25	-0.3213398400
ENSG00000159110	392.75	433.50	0.1424207179
ENSG00000159111	753.50	638.25	-0.2394858792
ENSG00000159128	158.75	137.75	-0.2047042731
ENSG00000159131	1072.50	1139.00	0.0867900993
ENSG00000159140	6924.50	6282.50	-0.1403711356
ENSG00000159147	212.50	201.00	-0.0802673398
ENSG00000159164	531.00	454.50	-0.2244315666
ENSG00000159167	330.50	1830.00	2.4691214717
ENSG00000159173	3.00	2.00	-0.5849625007
ENSG00000159176	3186.75	4615.25	0.5343229539
ENSG00000159184	1.50	1.50	0.0000000000

ENSG00000159197	2.00	2.00	0.0000000000
ENSG00000159199	355.25	372.75	0.0693737030
ENSG00000159200	1942.00	3829.25	0.9795186516
ENSG00000159202	3155.00	3051.75	-0.0480032241
ENSG00000159208	89.50	71.50	-0.3239444405
ENSG00000159210	867.50	849.25	-0.0306744446
ENSG00000159212	517.75	932.50	0.8488480769
ENSG00000159214	75.50	76.75	0.0236901060
ENSG00000159216	3213.50	3945.75	0.2961540784
ENSG00000159217	147.75	169.00	0.1938651161
ENSG00000159224	2.00	1.25	-0.6780719051
ENSG00000159228	1388.75	1194.75	-0.2170781440
ENSG00000159231	279.75	234.25	-0.2560890833
ENSG00000159239	123.25	77.50	-0.6693194311
ENSG00000159251	4.75	4.25	-0.1604646722
ENSG00000159256	787.25	639.75	-0.2993136101
ENSG00000159259	107.75	92.00	-0.2279821030
ENSG00000159261	1.25	0.75	-0.7369655942
ENSG00000159263	23.50	28.50	0.2783011625
ENSG00000159267	784.50	831.50	0.0839428163
ENSG00000159289	1.25	2.75	1.1375035237
ENSG00000159307	150.00	153.75	0.0356239097
ENSG00000159314	42.00	26.75	-0.6508504364
ENSG00000159322	1209.25	1199.50	-0.0116793802
ENSG00000159335	4100.25	4365.50	0.0904350253
ENSG00000159337	2.25	2.75	0.2895066172
ENSG00000159339	0.50	0.25	-1.0000000000
ENSG00000159346	1579.50	1771.75	0.1657071120
ENSG00000159348	863.50	762.75	-0.1789859030
ENSG00000159352	1729.75	1586.75	-0.1244886982
ENSG00000159363	363.50	377.00	0.0526091593
ENSG00000159374	2.50	3.50	0.4854268272
ENSG00000159377	2713.75	2609.25	-0.0566526412
ENSG00000159387	1.25	1.50	0.2630344058
ENSG00000159388	1116.75	749.50	-0.5753058714
ENSG00000159399	824.00	1148.75	0.4793486190
ENSG00000159403	47225.75	48594.50	0.0412193282
ENSG00000159423	363.50	604.75	0.7343835001
ENSG00000159433	839.75	671.00	-0.3236471240
ENSG00000159445	303.75	194.75	-0.6412610804
ENSG00000159450	1.00	4.00	2.0000000000
ENSG00000159455	0.75	0.25	-1.5849625007
ENSG00000159459	978.00	876.00	-0.1589035954

ENSG00000159461	2425.75	2490.50	0.0380045384
ENSG00000159479	527.00	526.50	-0.0013694306
ENSG00000159496	124.00	87.50	-0.5029851986
ENSG00000159556	32.25	52.50	0.7030182622
ENSG00000159579	1024.50	736.00	-0.4771423130
ENSG00000159588	6.50	5.00	-0.3785116233
ENSG00000159592	1313.50	1203.50	-0.1261800587
ENSG00000159593	699.25	772.50	0.1437265843
ENSG00000159596	489.25	357.75	-0.4516200839
ENSG00000159618	0.25	0.50	1.0000000000
ENSG00000159625	1.50	1.25	-0.2630344058
ENSG00000159640	178.75	155.00	-0.2056750264
ENSG00000159648	4.00	3.75	-0.0931094044
ENSG00000159658	3262.00	3707.25	0.1845926251
ENSG00000159674	12444.25	5807.50	-1.0994901293
ENSG00000159685	130.75	89.75	-0.5428271024
ENSG00000159692	2453.50	1904.75	-0.3652396162
ENSG00000159708	11.50	3.00	-1.9385994553
ENSG00000159712	1.25	0.25	-2.3219280949
ENSG00000159713	22.75	6.75	-1.7529071380
ENSG00000159714	433.75	394.25	-0.1377530027
ENSG00000159720	1815.00	1264.25	-0.5216877698
ENSG00000159723	0.50	0.25	-1.0000000000
ENSG00000159733	214.75	217.00	0.0150369113
ENSG00000159753	3.00	5.50	0.8744691179
ENSG00000159761	70.50	71.50	0.0203199844
ENSG00000159763	1.00	1.50	0.5849625007
ENSG00000159784	267.25	173.50	-0.6232542851
ENSG00000159788	507.50	398.75	-0.3479233034
ENSG00000159792	1072.00	1222.00	0.1889393794
ENSG00000159840	7673.50	11516.25	0.5857143449
ENSG00000159842	50.50	38.75	-0.3820870775
ENSG00000159860	10.75	30.00	1.4806258409
ENSG00000159871	29.00	20.50	-0.5004289905
ENSG00000159873	612.50	483.50	-0.3411939544
ENSG00000159882	104.75	92.50	-0.1794249732
ENSG00000159884	386.75	752.25	0.9598109099
ENSG00000159885	79.50	54.25	-0.5513317228
ENSG00000159899	1589.50	1639.75	0.0449028586
ENSG00000159904	5.00	2.50	-1.0000000000
ENSG00000159905	71.50	49.25	-0.5378195173
ENSG00000159915	62.25	38.25	-0.7026140894
ENSG00000159917	75.50	68.50	-0.1403726564

ENSG00000159921	490.50	512.50	0.0632988682
ENSG00000159958	13.25	6.50	-1.0274807364
ENSG00000160007	3268.75	2693.75	-0.2791230772
ENSG00000160013	102.75	143.50	0.4819123430
ENSG00000160014	6821.50	5325.50	-0.3571720294
ENSG00000160049	1091.75	873.25	-0.3221758884
ENSG00000160050	95.75	60.00	-0.6743099863
ENSG00000160051	72.00	57.25	-0.3307212133
ENSG00000160055	250.25	198.25	-0.3360492031
ENSG00000160058	1999.75	1604.50	-0.3176958622
ENSG00000160062	242.75	256.50	0.0794875302
ENSG00000160072	246.75	319.00	0.3705063393
ENSG00000160075	1835.75	1848.75	0.0101805474
ENSG00000160087	642.75	619.00	-0.0543182956
ENSG00000160094	762.25	599.00	-0.3477082422
ENSG00000160097	20.75	10.25	-1.0174874267
ENSG00000160111	52.50	40.25	-0.3833286396
ENSG00000160113	394.50	387.25	-0.0267600612
ENSG00000160117	22.50	24.25	0.1080597459
ENSG00000160124	127.75	121.00	-0.0783162437
ENSG00000160131	770.75	789.00	0.0337623159
ENSG00000160145	62.75	31.75	-0.9828588672
ENSG00000160161	5.25	6.50	0.3081222954
ENSG00000160172	93.00	51.50	-0.8526582839
ENSG00000160179	170.75	242.00	0.5031214690
ENSG00000160181	0.25	0.25	0.0000000000
ENSG00000160183	0.25	1.00	2.0000000000
ENSG00000160188	2.75	3.25	0.2410080995
ENSG00000160190	48.75	66.00	0.4370638056
ENSG00000160191	10.50	5.50	-0.9328858041
ENSG00000160193	88.50	97.75	0.1434192472
ENSG00000160194	684.75	607.50	-0.1726929522
ENSG00000160199	433.75	342.00	-0.3428674326
ENSG00000160200	138.25	237.00	0.7776075787
ENSG00000160201	468.25	383.25	-0.2889932026
ENSG00000160207	19.75	16.00	-0.3037807482
ENSG00000160208	695.00	621.00	-0.1624197094
ENSG00000160209	2116.25	2172.50	0.0378461089
ENSG00000160211	4294.25	3237.75	-0.4074145901
ENSG00000160213	1729.50	1822.75	0.0757616878
ENSG00000160214	321.25	286.00	-0.1676813073
ENSG00000160216	2151.75	2183.25	0.0209668714
ENSG00000160218	775.00	905.00	0.2237214818

ENSG00000160219	50.25	83.25	0.7283266759
ENSG00000160221	281.75	238.75	-0.2389148772
ENSG00000160223	25.50	12.00	-1.0874628413
ENSG00000160224	1.25	3.25	1.3785116233
ENSG00000160226	667.75	599.75	-0.1549468183
ENSG00000160229	8.00	9.00	0.1699250014
ENSG00000160233	59.50	66.25	0.1550307861
ENSG00000160255	6.50	4.75	-0.4525122047
ENSG00000160256	110.50	224.25	1.0210616155
ENSG00000160271	764.75	528.50	-0.5330847302
ENSG00000160282	16.25	16.25	0.0000000000
ENSG00000160284	126.50	94.75	-0.4169395365
ENSG00000160285	4169.00	3609.25	-0.2080022951
ENSG00000160293	645.50	554.50	-0.2192296351
ENSG00000160294	2033.00	1889.75	-0.1054148260
ENSG00000160298	73.25	51.00	-0.5223315125
ENSG00000160299	1155.75	886.50	-0.3826368263
ENSG00000160305	1002.00	770.50	-0.3790156467
ENSG00000160307	17.00	11.00	-0.6280312226
ENSG00000160310	2528.25	2011.50	-0.3298673901
ENSG00000160318	4.75	6.00	0.3370349873
ENSG00000160321	8.25	21.25	1.3649968168
ENSG00000160323	95.75	87.75	-0.1258733616
ENSG00000160325	124.50	97.25	-0.3563755871
ENSG00000160326	46.50	45.75	-0.0234589728
ENSG00000160336	300.50	252.25	-0.2525107216
ENSG00000160345	58.25	48.50	-0.2642733025
ENSG00000160352	78.25	51.50	-0.6035183197
ENSG00000160360	2368.75	1640.75	-0.5297705102
ENSG00000160392	153.50	134.50	-0.1906324828
ENSG00000160396	9.75	7.00	-0.4780472968
ENSG00000160401	25.75	31.75	0.3021841596
ENSG00000160404	114.00	127.50	0.1614634227
ENSG00000160408	3464.25	4347.25	0.3275600171
ENSG00000160410	1092.75	998.00	-0.1308516574
ENSG00000160439	62.00	68.50	0.1438357726
ENSG00000160445	2170.75	1985.75	-0.1285095805
ENSG00000160446	216.50	363.00	0.7456025233
ENSG00000160447	54.25	78.25	0.5284676145
ENSG00000160460	300.50	106.50	-1.4965115605
ENSG00000160469	198.00	123.75	-0.6780719051
ENSG00000160471	5.50	3.75	-0.5525410230
ENSG00000160472	2.50	5.25	1.0703893279

ENSG00000160539	187.50	191.00	0.0266820427
ENSG00000160551	4084.75	4264.00	0.0619596547
ENSG00000160563	299.25	279.75	-0.0972131160
ENSG00000160570	285.00	214.25	-0.4116667149
ENSG00000160584	1270.50	1261.00	-0.0108280997
ENSG00000160588	5.75	3.00	-0.9385994553
ENSG00000160602	120.00	108.50	-0.1453393632
ENSG00000160606	53.25	45.00	-0.2428565239
ENSG00000160613	1717.00	3132.75	0.8675396049
ENSG00000160633	1975.75	1902.75	-0.0543143880
ENSG00000160654	29.25	8.75	-1.7410817026
ENSG00000160678	45.75	58.50	0.3546648813
ENSG00000160679	780.25	719.50	-0.1169417652
ENSG00000160685	496.00	383.00	-0.3729957285
ENSG00000160688	297.50	308.50	0.0523808210
ENSG00000160691	6948.25	6146.25	-0.1769432135
ENSG00000160695	649.00	510.50	-0.3463075171
ENSG00000160703	455.50	428.50	-0.0881558497
ENSG00000160710	5509.25	4578.50	-0.2669809088
ENSG00000160712	680.00	853.25	0.3274337630
ENSG00000160714	1381.25	1287.00	-0.1019624109
ENSG00000160716	2.00	2.75	0.4594316186
ENSG00000160741	571.50	638.50	0.1599331215
ENSG00000160746	1314.00	1482.25	0.1738235211
ENSG00000160752	864.00	801.25	-0.1087788607
ENSG00000160753	590.25	635.25	0.1059983338
ENSG00000160766	193.25	118.00	-0.7116815546
ENSG00000160767	556.75	583.75	0.0683209918
ENSG00000160781	16.50	30.50	0.8863432182
ENSG00000160783	384.50	296.25	-0.3761684442
ENSG00000160785	512.00	522.25	0.0285967771
ENSG00000160789	14937.00	14732.00	-0.0199371189
ENSG00000160791	3.00	0.50	-2.5849625007
ENSG00000160796	142.00	222.75	0.6495345020
ENSG00000160799	251.00	250.00	-0.0057592693
ENSG00000160801	61.75	62.75	0.0231763224
ENSG00000160803	706.75	560.75	-0.3338422627
ENSG00000160808	11.00	13.50	0.2954558835
ENSG00000160813	124.25	130.75	0.0735650947
ENSG00000160818	302.25	394.75	0.3851969266
ENSG00000160838	0.50	2.25	2.1699250014
ENSG00000160856	2.75	2.00	-0.4594316186
ENSG00000160862	0.25	1.00	2.0000000000

ENSG00000160867	408.75	237.75	-0.7817733895
ENSG00000160868	6.50	2.50	-1.3785116233
ENSG00000160870	279.00	179.50	-0.6362812780
ENSG00000160877	1150.50	1174.25	0.0294786100
ENSG00000160883	0.25	0.75	1.5849625007
ENSG00000160886	24.00	16.00	-0.5849625007
ENSG00000160888	624.25	460.50	-0.4389227598
ENSG00000160908	221.50	205.25	-0.1099244768
ENSG00000160917	420.25	312.75	-0.4262379351
ENSG00000160932	1943.50	1578.75	-0.2998743737
ENSG00000160948	1371.00	1309.25	-0.0664879663
ENSG00000160949	210.25	183.50	-0.1963257374
ENSG00000160951	12.00	4.25	-1.4974996595
ENSG00000160953	1000.00	849.00	-0.2361635411
ENSG00000160957	90.25	113.25	0.3275122132
ENSG00000160959	604.50	592.25	-0.0295360460
ENSG00000160961	396.75	347.75	-0.1901797083
ENSG00000160963	1.25	0.25	-2.3219280949
ENSG00000160972	419.25	416.25	-0.0103605116
ENSG00000160973	6.00	2.25	-1.4150374993
ENSG00000160991	1046.75	711.25	-0.5574882655
ENSG00000160993	198.00	169.00	-0.2284771838
ENSG00000160999	19.50	14.50	-0.4274212237
ENSG00000161010	875.00	690.50	-0.3416416025
ENSG00000161011	22951.00	13490.75	-0.7665864596
ENSG00000161013	6544.50	6986.75	0.0943385442
ENSG00000161016	16068.50	14781.50	-0.1204425802
ENSG00000161021	965.00	955.25	-0.0146505898
ENSG00000161036	233.50	236.50	0.0184176336
ENSG00000161040	15.75	8.75	-0.8479969066
ENSG00000161048	202.75	146.25	-0.4712652897
ENSG00000161057	1374.75	1184.75	-0.2145866256
ENSG00000161082	5.00	3.25	-0.6214883767
ENSG00000161091	788.75	1048.50	0.4106868562
ENSG00000161103	18.00	55.75	1.6309748985
ENSG00000161132	3.50	2.50	-0.4854268272
ENSG00000161133	8.00	2.75	-1.5405683814
ENSG00000161149	31.25	24.25	-0.3658714425
ENSG00000161179	95.25	113.00	0.2465317749
ENSG00000161180	5.00	3.00	-0.7369655942
ENSG00000161202	2957.75	2709.75	-0.1263403602
ENSG00000161203	8677.50	8638.75	-0.0064568860
ENSG00000161204	840.50	741.00	-0.1817742769

ENSG00000161217	2369.00	2220.50	-0.0933936273
ENSG00000161243	97.50	83.50	-0.2236260213
ENSG00000161249	1893.25	1404.75	-0.4305515284
ENSG00000161265	133.00	121.50	-0.1304699319
ENSG00000161267	23.50	66.75	1.5061070800
ENSG00000161270	0.50	1.25	1.3219280949
ENSG00000161277	203.50	195.75	-0.0560164870
ENSG00000161281	314.25	352.25	0.1646869619
ENSG00000161298	124.50	74.75	-0.7360002579
ENSG00000161328	11.00	11.25	0.0324214777
ENSG00000161381	973.50	357.25	-1.4462469676
ENSG00000161395	444.50	393.25	-0.1767366534
ENSG00000161405	30.25	26.25	-0.2046177196
ENSG00000161509	3.75	6.25	0.7369655942
ENSG00000161513	836.00	405.75	-1.0429118475
ENSG00000161526	714.00	666.50	-0.0993191989
ENSG00000161533	969.75	792.75	-0.2907468984
ENSG00000161542	595.50	507.00	-0.2321157609
ENSG00000161544	1692.75	1194.75	-0.5026601517
ENSG00000161547	2024.25	1984.25	-0.0287936720
ENSG00000161551	186.75	183.75	-0.0233639931
ENSG00000161558	159.00	121.75	-0.3851049932
ENSG00000161594	6.75	4.50	-0.5849625007
ENSG00000161609	5.25	2.75	-0.9328858041
ENSG00000161618	287.75	274.75	-0.0666964472
ENSG00000161634	0.75	1.00	0.4150374993
ENSG00000161638	5060.25	4517.50	-0.1636840615
ENSG00000161640	4.00	3.50	-0.1926450779
ENSG00000161642	673.25	350.25	-0.9427572741
ENSG00000161643	0.75	0.50	-0.5849625007
ENSG00000161647	79.50	243.00	1.6119295483
ENSG00000161649	1.25	0.75	-0.7369655942
ENSG00000161652	4.00	4.50	0.1699250014
ENSG00000161653	56.25	42.25	-0.4129017549
ENSG00000161654	803.00	818.25	0.0271417095
ENSG00000161664	99.00	70.00	-0.5000736031
ENSG00000161671	1554.25	1434.75	-0.1154192045
ENSG00000161677	416.75	539.75	0.3731091390
ENSG00000161681	143.25	99.00	-0.5330347087
ENSG00000161682	423.25	198.50	-1.0923710608
ENSG00000161692	112.75	102.25	-0.1410265903
ENSG00000161714	2440.50	2252.75	-0.1154895330
ENSG00000161791	723.75	497.75	-0.5400701272

ENSG00000161798	0.50	0.75	0.5849625007
ENSG00000161800	385.75	401.75	0.0586318671
ENSG00000161813	810.00	1302.25	0.6850126240
ENSG00000161835	226.25	137.00	-0.7237418990
ENSG00000161847	602.25	640.50	0.0888360821
ENSG00000161860	5.00	9.75	0.9634741240
ENSG00000161888	79.75	78.25	-0.0273937668
ENSG00000161896	35.75	52.00	0.5405683814
ENSG00000161904	948.50	903.25	-0.0705224240
ENSG00000161905	1.00	0.50	-1.0000000000
ENSG00000161912	45.75	36.50	-0.3258752794
ENSG00000161914	60.00	46.25	-0.3755091351
ENSG00000161920	185.75	153.00	-0.2798305578
ENSG00000161921	244.50	115.00	-1.0882006040
ENSG00000161929	32.25	19.25	-0.7444407147
ENSG00000161939	11.00	3.25	-1.7589919005
ENSG00000161940	3.25	2.00	-0.7004397181
ENSG00000161955	115.50	122.75	0.0878301729
ENSG00000161956	770.00	797.25	0.0501737467
ENSG00000161958	372.75	359.00	-0.0542245085
ENSG00000161960	7116.25	7386.75	0.0538225567
ENSG00000161970	15101.50	12582.25	-0.2633019237
ENSG00000161973	1.75	1.00	-0.8073549221
ENSG00000161980	76.25	91.00	0.2551292077
ENSG00000161981	274.25	233.25	-0.2336145396
ENSG00000161996	334.00	355.50	0.0900014571
ENSG00000161999	1196.50	1064.00	-0.1693222460
ENSG00000162004	34.50	46.50	0.4306343543
ENSG00000162032	517.50	638.75	0.3036925234
ENSG00000162039	1.50	4.50	1.5849625007
ENSG00000162062	14.50	8.00	-0.8579809951
ENSG00000162063	82.25	74.00	-0.1524904081
ENSG00000162065	342.00	267.75	-0.3531097501
ENSG00000162066	648.00	407.50	-0.6691937538
ENSG00000162068	14.00	7.75	-0.8531586117
ENSG00000162069	2.25	2.00	-0.1699250014
ENSG00000162073	67.00	94.00	0.4884996612
ENSG00000162076	348.25	356.75	0.0347900769
ENSG00000162078	0.75	0.50	-0.5849625007
ENSG00000162086	305.25	264.50	-0.2067235729
ENSG00000162104	1924.25	2011.25	0.0637961736
ENSG00000162105	212.25	219.75	0.0500986116
ENSG00000162129	146.25	115.50	-0.3405437731

ENSG00000162139	252.75	128.75	-0.9731386598
ENSG00000162144	1785.25	1435.75	-0.3143215565
ENSG00000162148	53.25	37.50	-0.5058909297
ENSG00000162174	14.25	14.25	0.0000000000
ENSG00000162188	3.25	3.25	0.0000000000
ENSG00000162191	1699.00	1572.00	-0.1120846349
ENSG00000162194	90.50	77.00	-0.2330593464
ENSG00000162222	367.50	358.75	-0.0347654182
ENSG00000162227	221.75	191.00	-0.2153614663
ENSG00000162231	1689.75	1756.75	0.0560990843
ENSG00000162236	864.25	818.75	-0.0780256970
ENSG00000162241	125.50	112.75	-0.1545599307
ENSG00000162244	12368.75	11225.75	-0.1398878716
ENSG00000162267	2.75	16.75	2.6066575718
ENSG00000162298	974.50	1163.00	0.2551170062
ENSG00000162300	529.25	445.00	-0.2501440282
ENSG00000162302	858.25	891.00	0.0540274796
ENSG00000162337	687.50	861.00	0.3246535241
ENSG00000162341	362.50	506.25	0.4818690078
ENSG00000162365	0.75	0.75	0.0000000000
ENSG00000162366	1.75	2.75	0.6520766966
ENSG00000162367	2.75	1.00	-1.4594316186
ENSG00000162368	2674.50	2933.25	0.1332308331
ENSG00000162373	8.50	3.50	-1.2801079192
ENSG00000162377	363.00	373.75	0.0421040311
ENSG00000162378	1280.25	1199.75	-0.0936917460
ENSG00000162383	412.00	237.25	-0.7962362502
ENSG00000162384	880.75	725.00	-0.2807515746
ENSG00000162385	239.00	237.25	-0.0106025310
ENSG00000162390	256.00	190.75	-0.4244607532
ENSG00000162391	3.00	4.00	0.4150374993
ENSG00000162396	96.50	85.25	-0.1788291082
ENSG00000162398	0.25	0.25	0.0000000000
ENSG00000162399	3.00	4.00	0.4150374993
ENSG00000162402	2976.25	2160.50	-0.4621304846
ENSG00000162407	37300.75	16644.25	-1.1641807756
ENSG00000162408	351.00	357.25	0.0254629808
ENSG00000162409	271.25	273.25	0.0105983583
ENSG00000162413	2076.25	2522.25	0.2807311114
ENSG00000162415	140.50	95.00	-0.5645707119
ENSG00000162419	284.00	223.75	-0.3440032474
ENSG00000162426	100.00	248.25	1.3117937178
ENSG00000162430	4455.25	4606.75	0.0482429188

ENSG00000162433	1740.25	1868.75	0.1027790044
ENSG00000162434	8241.00	8909.00	0.1124440929
ENSG00000162437	296.25	228.00	-0.3777813296
ENSG00000162438	6.50	3.75	-0.7935491225
ENSG00000162441	431.00	298.50	-0.5299569378
ENSG00000162444	3.75	1.75	-1.0995356736
ENSG00000162458	1624.00	1953.00	0.2661403167
ENSG00000162461	32.25	39.50	0.2925534928
ENSG00000162482	9.00	6.75	-0.4150374993
ENSG00000162490	11.75	6.25	-0.9107326619
ENSG00000162493	512.00	1505.00	1.5555477716
ENSG00000162496	2508.50	4524.25	0.8508537135
ENSG00000162510	17.75	8.50	-1.0622842783
ENSG00000162511	2.50	5.00	1.0000000000
ENSG00000162512	3842.75	2614.00	-0.5558799801
ENSG00000162517	992.00	872.25	-0.1855984282
ENSG00000162520	1737.00	1267.75	-0.4543274796
ENSG00000162521	2380.75	1920.50	-0.3099341688
ENSG00000162522	885.25	710.00	-0.3182659140
ENSG00000162526	44.75	31.50	-0.5065358538
ENSG00000162542	362.25	319.50	-0.1811697586
ENSG00000162543	9.25	3.75	-1.3025627700
ENSG00000162545	4856.75	7307.00	0.5892879814
ENSG00000162551	1111.25	1344.25	0.2746180526
ENSG00000162552	4.50	1.00	-2.1699250014
ENSG00000162571	0.50	0.75	0.5849625007
ENSG00000162572	166.25	96.50	-0.7847534931
ENSG00000162576	10948.75	10598.75	-0.0468720436
ENSG00000162585	748.25	721.00	-0.0535211143
ENSG00000162591	688.00	640.50	-0.1032099944
ENSG00000162594	0.50	0.75	0.5849625007
ENSG00000162595	96.50	46.00	-1.0688950812
ENSG00000162598	2.50	7.75	1.6322682155
ENSG00000162599	569.25	609.00	0.0973798418
ENSG00000162600	303.25	279.50	-0.1176593623
ENSG00000162601	1102.00	1034.75	-0.0908419753
ENSG00000162604	707.50	951.50	0.4274735086
ENSG00000162607	601.25	517.75	-0.2157093404
ENSG00000162613	1522.50	1462.25	-0.0582522391
ENSG00000162614	2452.00	8562.75	1.8041152258
ENSG00000162616	895.00	2118.00	1.2427430018
ENSG00000162618	265.00	177.25	-0.5802067322
ENSG00000162620	7.50	12.00	0.6780719051

ENSG00000162623	577.50	537.25 -0.1042273689
ENSG00000162627	794.50	658.25 -0.2714116033
ENSG00000162630	11.50	74.25 2.6907571647
ENSG00000162631	25.25	12.25 -1.0435016386
ENSG00000162636	870.50	597.25 -0.5435093492
ENSG00000162639	41.75	31.75 -0.3950196057
ENSG00000162641	10.50	16.00 0.6076825772
ENSG00000162642	323.75	285.25 -0.1826533063
ENSG00000162643	149.25	45.25 -1.7217412342
ENSG00000162645	1550.50	1121.75 -0.4669823419
ENSG00000162650	105.00	115.75 0.1406228656
ENSG00000162654	94.75	63.00 -0.5887741147
ENSG00000162664	1161.00	748.75 -0.6328119692
ENSG00000162669	8.00	2.25 -1.8300749986
ENSG00000162676	2.50	2.50 0.0000000000
ENSG00000162687	109.50	188.50 0.7836336537
ENSG00000162688	840.25	1006.75 0.2608149296
ENSG00000162692	1007.75	81.75 -3.6237752424
ENSG00000162694	1134.25	762.75 -0.5724564798
ENSG00000162695	855.25	901.75 0.0763813190
ENSG00000162702	755.75	673.75 -0.1656957060
ENSG00000162704	1966.25	3384.50 0.7834959512
ENSG00000162706	3.75	2.25 -0.7369655942
ENSG00000162711	6.25	3.50 -0.8365012677
ENSG00000162714	849.75	685.25 -0.3104080337
ENSG00000162722	63.50	52.00 -0.2882449686
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ENSG00000162728	1.75	0.25 -2.8073549221
ENSG00000162729	367.25	375.75 0.0330106134
ENSG00000162733	20191.50	20307.75 0.0082823143
ENSG00000162734	11005.25	9342.75 -0.2362727496
ENSG00000162735	1810.00	1754.00 -0.0453409495
ENSG00000162736	4732.75	4398.25 -0.1057491056
ENSG00000162738	15.50	3.00 -2.3692338097
ENSG00000162739	4.25	3.25 -0.3870231231
ENSG00000162745	214.25	114.50 -0.9039476060
ENSG00000162746	13.00	8.00 -0.7004397181
ENSG00000162755	13.00	13.50 0.0544477840
ENSG00000162757	51.75	36.75 -0.4938146127
ENSG00000162769	95.00	77.00 -0.3030690676
ENSG00000162772	181.00	541.00 1.5796388967
ENSG00000162775	162.75	173.25 0.0901978090
ENSG00000162777	213.00	122.25 -0.8010189653

ENSG00000162779	2.50	6.75	1.4329594073
ENSG00000162783	826.50	793.00	-0.0596939536
ENSG00000162804	3796.00	3077.50	-0.3027211356
ENSG00000162813	389.00	324.00	-0.2637763421
ENSG00000162814	44.50	29.25	-0.6053687114
ENSG00000162817	482.75	1149.00	1.2510306337
ENSG00000162819	1112.00	1004.00	-0.1473975188
ENSG00000162825	585.75	583.25	-0.0061706469
ENSG00000162836	214.75	187.50	-0.1957675358
ENSG00000162843	1.25	0.75	-0.7369655942
ENSG00000162849	181.00	156.75	-0.2075242543
ENSG00000162851	169.25	187.00	0.1438824363
ENSG00000162852	728.75	720.50	-0.0164255479
ENSG00000162869	516.25	627.75	0.2821202470
ENSG00000162877	2.00	3.00	0.5849625007
ENSG00000162878	891.50	2182.50	1.2916749509
ENSG00000162881	10.75	3.75	-1.5193741591
ENSG00000162882	59.75	33.75	-0.8240512109
ENSG00000162885	194.75	139.25	-0.4839460007
ENSG00000162889	2450.75	2730.50	0.1559418338
ENSG00000162892	3.25	12.00	1.8845227826
ENSG00000162894	13.00	43.50	1.7425037777
ENSG00000162896	5.50	8.00	0.5405683814
ENSG00000162909	13047.25	12381.00	-0.0756179144
ENSG00000162910	279.25	235.25	-0.2473625578
ENSG00000162913	11.75	8.50	-0.4671260104
ENSG00000162923	3979.00	3807.50	-0.0635618623
ENSG00000162924	389.50	291.75	-0.4168906724
ENSG00000162927	148.75	104.50	-0.5093867261
ENSG00000162928	337.00	364.75	0.1141593867
ENSG00000162929	283.75	177.25	-0.6788347649
ENSG00000162931	45.00	28.00	-0.6844981743
ENSG00000162944	357.50	174.75	-1.0326507863
ENSG00000162946	126.00	96.25	-0.3885652879
ENSG00000162949	0.25	1.00	2.0000000000
ENSG00000162959	539.00	486.00	-0.1493289591
ENSG00000162961	361.50	433.25	0.2612041022
ENSG00000162971	221.75	163.00	-0.4440621401
ENSG00000162972	175.75	173.50	-0.0185890265
ENSG00000162975	7.75	2.00	-1.9541963104
ENSG00000162976	565.75	691.25	0.2890428959
ENSG00000162980	632.75	594.00	-0.0911726713
ENSG00000162981	7.75	15.25	0.9765410272

ENSG00000162989	5.00	2.50 -1.0000000000
ENSG00000162992	0.75	0.25 -1.5849625007
ENSG00000162994	78.25	68.50 -0.1919867640
ENSG00000162997	14.50	14.25 -0.0250909810
ENSG00000162998	44.00	127.25 1.5320902274
ENSG00000162999	81.25	69.50 -0.2253548352
ENSG00000163001	774.00	608.50 -0.3470763034
ENSG00000163002	85.75	86.25 0.0083877855
ENSG00000163006	27.25	19.50 -0.4827821059
ENSG00000163012	4.25	3.75 -0.1805722456
ENSG00000163013	207.25	180.50 -0.1993732646
ENSG00000163016	1.00	0.25 -2.0000000000
ENSG00000163017	520.75	2163.25 2.0545375633
ENSG00000163026	232.00	221.50 -0.0668181066
ENSG00000163029	779.50	768.50 -0.0205037630
ENSG00000163032	1.50	1.50 0.0000000000
ENSG00000163040	163.50	102.50 -0.6736667260
ENSG00000163041	3182.25	2552.25 -0.3182775273
ENSG00000163046	1.75	3.50 1.0000000000
ENSG00000163050	586.25	424.00 -0.4674517528
ENSG00000163053	67.25	58.25 -0.2072762179
ENSG00000163060	14.00	11.75 -0.2527660704
ENSG00000163064	1.25	1.50 0.2630344058
ENSG00000163069	2822.25	3541.75 0.3276165907
ENSG00000163071	1009.25	662.50 -0.6072912271
ENSG00000163072	11.50	11.25 -0.0317088597
ENSG00000163075	18.75	12.50 -0.5849625007
ENSG00000163082	4.75	4.50 -0.0780025120
ENSG00000163083	67.75	915.00 3.7554788918
ENSG00000163092	2.50	2.50 0.0000000000
ENSG00000163093	343.00	235.25 -0.5440138534
ENSG00000163104	843.75	755.00 -0.1603389526
ENSG00000163106	0.25	0.25 0.0000000000
ENSG00000163110	731.00	1949.00 1.4147907793
ENSG00000163116	3.25	1.25 -1.3785116233
ENSG00000163125	1209.00	925.00 -0.3862889738
ENSG00000163126	34.00	34.25 0.0105692417
ENSG00000163131	140.75	56.75 -1.3104426248
ENSG00000163132	71.50	56.25 -0.3460901456
ENSG00000163138	182.75	174.75 -0.0645789506
ENSG00000163141	6.25	5.75 -0.1202942337
ENSG00000163145	192.50	218.00 0.1794696892
ENSG00000163154	1.75	0.75 -1.2223924213

ENSG00000163155	116.50	116.00	-0.0062051495
ENSG00000163156	289.25	277.00	-0.0624309831
ENSG00000163157	4.25	3.25	-0.3870231231
ENSG00000163159	521.75	442.25	-0.2384965525
ENSG00000163161	1062.75	880.75	-0.2709977841
ENSG00000163162	747.00	774.25	0.0516912349
ENSG00000163166	1112.50	966.50	-0.2029636985
ENSG00000163170	131.50	126.25	-0.0587794117
ENSG00000163171	944.75	2083.25	1.1408314615
ENSG00000163191	4077.75	3954.50	-0.0442780344
ENSG00000163214	603.00	525.25	-0.1991537452
ENSG00000163219	22.25	19.50	-0.1903312121
ENSG00000163249	475.25	530.50	0.1586661243
ENSG00000163251	18.75	83.50	2.1548856020
ENSG00000163257	623.75	615.00	-0.0203815000
ENSG00000163281	568.50	635.50	0.1607317761
ENSG00000163283	0.25	1.25	2.3219280949
ENSG00000163291	334.00	343.75	0.0415116108
ENSG00000163293	11.75	28.25	1.2655901107
ENSG00000163297	5283.25	6155.75	0.2205089626
ENSG00000163312	264.75	190.50	-0.4748396865
ENSG00000163319	320.25	278.50	-0.2015212430
ENSG00000163320	2110.25	2367.25	0.1657981497
ENSG00000163322	488.00	407.00	-0.2618523533
ENSG00000163328	325.25	178.25	-0.8676469803
ENSG00000163331	2.00	2.00	0.0000000000
ENSG00000163344	342.50	293.25	-0.2239728798
ENSG00000163346	3127.00	2684.75	-0.2199914665
ENSG00000163347	5.25	0.50	-3.3923174228
ENSG00000163348	707.25	609.25	-0.2151859257
ENSG00000163349	1437.50	1512.25	0.0731347046
ENSG00000163352	1.00	0.75	-0.4150374993
ENSG00000163354	19.00	11.75	-0.6933386618
ENSG00000163357	2.25	4.75	1.0780025120
ENSG00000163359	101609.25	73844.50	-0.4604693669
ENSG00000163362	5.00	2.25	-1.1520030934
ENSG00000163374	1090.25	903.50	-0.2710624842
ENSG00000163376	20.25	9.50	-1.0919224894
ENSG00000163378	1106.00	2500.00	1.1765767093
ENSG00000163380	6.50	7.00	0.1069152039
ENSG00000163382	494.50	507.50	0.0374373013
ENSG00000163389	267.50	271.25	0.0200842460
ENSG00000163393	144.25	123.50	-0.2240602771

ENSG00000163394	1999.25	385.00	-2.3765285370
ENSG00000163395	1.00	0.25	-2.0000000000
ENSG00000163399	6079.50	7220.25	0.2480961150
ENSG00000163406	22.50	10.00	-1.1699250014
ENSG00000163412	316.25	284.00	-0.1551745501
ENSG00000163428	1006.50	1018.75	0.0174528871
ENSG00000163430	54668.50	86590.75	0.6635031270
ENSG00000163431	4576.75	9017.75	0.9784440261
ENSG00000163435	5.00	3.25	-0.6214883767
ENSG00000163444	1076.00	1033.25	-0.0584887142
ENSG00000163449	16.25	9.75	-0.7369655942
ENSG00000163453	2791.75	2951.00	0.0800341662
ENSG00000163462	146.50	127.00	-0.2060721677
ENSG00000163463	766.00	751.75	-0.0270914294
ENSG00000163466	4727.25	4769.00	0.0126856193
ENSG00000163467	5.75	3.00	-0.9385994553
ENSG00000163468	3056.50	3045.00	-0.0054383390
ENSG00000163472	207.50	188.00	-0.1423786746
ENSG00000163479	3318.75	2728.75	-0.2823997307
ENSG00000163481	323.50	295.00	-0.1330507577
ENSG00000163482	862.50	630.50	-0.4520280862
ENSG00000163485	72.50	23.75	-1.6100534817
ENSG00000163491	265.00	55.25	-2.2619459901
ENSG00000163492	10.75	8.50	-0.3388019135
ENSG00000163507	133.25	107.50	-0.3097988732
ENSG00000163508	1.00	0.25	-2.0000000000
ENSG00000163510	585.00	462.75	-0.3382036346
ENSG00000163512	2107.75	1928.75	-0.1280376024
ENSG00000163513	7634.25	18901.25	1.3079233110
ENSG00000163516	586.25	671.75	0.1964083986
ENSG00000163517	381.50	316.25	-0.2706175773
ENSG00000163520	22009.75	17906.25	-0.2976795245
ENSG00000163521	275.00	189.00	-0.5410453842
ENSG00000163527	3849.50	4226.50	0.1347923793
ENSG00000163528	132.25	99.75	-0.4068789759
ENSG00000163531	3023.75	3344.00	0.1452359832
ENSG00000163534	3.25	3.75	0.2064508775
ENSG00000163535	206.25	158.75	-0.3776375275
ENSG00000163536	59.25	42.00	-0.4964258261
ENSG00000163539	797.00	709.75	-0.1672687803
ENSG00000163541	851.75	706.00	-0.2707618588
ENSG00000163545	59.75	117.00	0.9694979116
ENSG00000163554	29.50	2.75	-3.4232114307

ENSG00000163558	1486.75	1439.25	-0.0468448635
ENSG00000163564	2.50	4.00	0.6780719051
ENSG00000163565	5185.25	3522.25	-0.5579162369
ENSG00000163568	1.25	1.00	-0.3219280949
ENSG00000163576	73.50	38.50	-0.9328858041
ENSG00000163577	475.00	551.75	0.2160872111
ENSG00000163584	322.00	321.75	-0.0011205399
ENSG00000163590	93.75	69.50	-0.4318057127
ENSG00000163596	164.75	137.00	-0.2661025720
ENSG00000163602	63.25	67.00	0.0830956158
ENSG00000163605	1178.00	1044.50	-0.1735270468
ENSG00000163606	3.75	2.00	-0.9068905956
ENSG00000163607	383.75	310.25	-0.3067355401
ENSG00000163608	1053.75	966.00	-0.1254375370
ENSG00000163611	268.75	168.75	-0.6713772525
ENSG00000163612	0.75	1.25	0.7369655942
ENSG00000163617	204.00	159.50	-0.3550127282
ENSG00000163618	10.50	10.50	0.0000000000
ENSG00000163623	802.75	962.75	0.2622104581
ENSG00000163624	10.50	14.75	0.4903256266
ENSG00000163625	2366.75	2442.25	0.0453035667
ENSG00000163626	278.75	244.50	-0.1891373399
ENSG00000163629	2979.25	2024.75	-0.5572054041
ENSG00000163630	2.00	1.00	-1.0000000000
ENSG00000163631	2.50	1.75	-0.5145731728
ENSG00000163632	4.25	2.50	-0.7655347464
ENSG00000163633	157.00	107.25	-0.5497869114
ENSG00000163634	625.50	652.50	0.0609680173
ENSG00000163635	575.00	638.50	0.1511246639
ENSG00000163636	1033.25	969.75	-0.0915045878
ENSG00000163637	610.75	997.75	0.7080964152
ENSG00000163638	38.50	38.00	-0.0188590273
ENSG00000163644	736.75	688.75	-0.0971947417
ENSG00000163645	2.75	2.75	0.0000000000
ENSG00000163646	1.00	0.25	-2.0000000000
ENSG00000163655	1244.50	1017.00	-0.2912465511
ENSG00000163659	352.00	460.25	0.3868422927
ENSG00000163660	1599.25	2004.00	0.3254870253
ENSG00000163661	3710.00	15357.25	2.0494288060
ENSG00000163666	17.00	20.25	0.2523871616
ENSG00000163673	0.25	0.25	0.0000000000
ENSG00000163681	1118.00	1350.75	0.2728404938
ENSG00000163682	1796.50	1994.25	0.1506573426

ENSG00000163683	2031.50	2479.00	0.2872129069
ENSG00000163684	396.75	294.50	-0.4299625890
ENSG00000163686	95.50	107.00	0.1640381584
ENSG00000163687	3.00	3.00	0.0000000000
ENSG00000163689	61.25	42.25	-0.5357585027
ENSG00000163694	34.75	20.50	-0.7613890681
ENSG00000163697	1796.25	3052.25	0.7648849768
ENSG00000163701	31.50	44.25	0.4903256266
ENSG00000163702	653.25	689.75	0.0784383320
ENSG00000163703	666.25	618.00	-0.1084567897
ENSG00000163704	226.75	183.75	-0.3033583008
ENSG00000163705	0.75	0.50	-0.5849625007
ENSG00000163710	1034.25	687.00	-0.5902029534
ENSG00000163714	1813.75	1644.75	-0.1411073016
ENSG00000163719	525.50	703.25	0.4203468834
ENSG00000163728	1253.25	1353.25	0.1107541539
ENSG00000163734	3.75	5.00	0.4150374993
ENSG00000163735	9.00	13.50	0.5849625007
ENSG00000163738	52.75	58.00	0.1368818064
ENSG00000163739	22.25	61.00	1.4550039066
ENSG00000163743	297.00	213.50	-0.4762268612
ENSG00000163746	1.50	1.25	-0.2630344058
ENSG00000163749	56.50	43.00	-0.3939142077
ENSG00000163754	1087.50	1125.50	0.0495506558
ENSG00000163755	901.50	637.25	-0.5004680234
ENSG00000163762	0.25	0.75	1.5849625007
ENSG00000163781	768.50	803.75	0.0647015725
ENSG00000163785	1785.50	1598.50	-0.1596093898
ENSG00000163788	430.75	524.25	0.2834041599
ENSG00000163792	7.25	7.50	0.0489096005
ENSG00000163794	12.50	11.50	-0.1202942337
ENSG00000163795	290.25	284.00	-0.0314051374
ENSG00000163798	606.50	564.75	-0.1028952797
ENSG00000163803	53.25	150.75	1.5013045717
ENSG00000163806	16.00	13.25	-0.2720795454
ENSG00000163807	613.50	535.75	-0.1955033990
ENSG00000163808	21.50	18.00	-0.2563397533
ENSG00000163810	0.25	0.75	1.5849625007
ENSG00000163811	850.25	626.25	-0.4411484026
ENSG00000163812	953.25	1085.00	0.1867685116
ENSG00000163814	145.25	142.75	-0.0250474180
ENSG00000163815	705.75	486.00	-0.5382009098
ENSG00000163817	16.25	21.75	0.4205756828

ENSG00000163818	607.00	384.75	-0.6577751899
ENSG00000163820	4800.00	3452.75	-0.4752885277
ENSG00000163823	17.50	4.50	-1.9593580155
ENSG00000163827	155.50	147.00	-0.0810984253
ENSG00000163832	308.75	247.25	-0.3204686157
ENSG00000163833	3.25	3.00	-0.1154772174
ENSG00000163840	1285.75	1101.75	-0.2228132571
ENSG00000163848	1447.00	1301.25	-0.1531667583
ENSG00000163864	23.50	12.50	-0.9107326619
ENSG00000163866	393.75	465.00	0.2399507927
ENSG00000163867	419.50	379.75	-0.1436208459
ENSG00000163870	625.50	703.25	0.1690277631
ENSG00000163872	1653.25	1675.50	0.0192867850
ENSG00000163873	0.25	0.50	1.0000000000
ENSG00000163874	148.00	160.50	0.1169761215
ENSG00000163875	1217.50	1240.75	0.0272906823
ENSG00000163877	400.00	455.00	0.1858665453
ENSG00000163879	382.50	264.00	-0.5349218182
ENSG00000163882	396.50	392.50	-0.0146282119
ENSG00000163884	50.50	991.00	4.2945297644
ENSG00000163885	1.25	1.25	0.0000000000
ENSG00000163888	8.75	5.50	-0.6698513983
ENSG00000163898	7.00	10.00	0.5145731728
ENSG00000163900	279.00	314.75	0.1739412559
ENSG00000163902	3508.25	3831.25	0.1270636100
ENSG00000163904	979.75	786.50	-0.3169669022
ENSG00000163909	1.25	1.75	0.4854268272
ENSG00000163913	660.00	597.25	-0.1441310758
ENSG00000163918	127.50	102.00	-0.3219280949
ENSG00000163923	117.25	114.75	-0.0310937691
ENSG00000163930	1478.50	1491.00	0.0121460142
ENSG00000163931	6479.75	3823.00	-0.7612329523
ENSG00000163932	402.75	409.25	0.0230978278
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ENSG00000163935	117.25	98.00	-0.2587342684
ENSG00000163938	1223.75	1069.50	-0.1943723773
ENSG00000163939	1927.50	1562.75	-0.3026438576
ENSG00000163945	294.00	242.25	-0.2793194894
ENSG00000163946	1789.50	1795.50	0.0048291092
ENSG00000163947	796.75	346.25	-1.2023130428
ENSG00000163950	722.25	761.00	0.0753981549
ENSG00000163956	2311.25	1994.50	-0.2126461962
ENSG00000163959	68.50	60.75	-0.1732195794

ENSG00000163960	1817.25	1587.75	-0.1947731354
ENSG00000163961	399.50	426.50	0.0943502384
ENSG00000163964	178.75	194.50	0.1218269133
ENSG00000163975	287.50	241.50	-0.2515387670
ENSG00000163995	1.00	12.00	3.5849625007
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ENSG00000164007	1.25	0.25	-2.3219280949
ENSG00000164008	136.00	95.50	-0.5100340132
ENSG00000164010	998.75	686.00	-0.5419150216
ENSG00000164011	154.75	115.75	-0.4189272160
ENSG00000164022	892.25	791.50	-0.1728586459
ENSG00000164023	1565.25	1957.00	0.3222506547
ENSG00000164024	773.00	718.75	-0.1049783632
ENSG00000164031	1111.25	1246.50	0.1656994638
ENSG00000164032	785.75	767.75	-0.0334337598
ENSG00000164035	6.00	3.75	-0.6780719051
ENSG00000164037	23.75	23.25	-0.0306967972
ENSG00000164038	389.75	424.75	0.1240649245
ENSG00000164039	1498.00	1048.00	-0.5153989069
ENSG00000164040	3407.50	2863.75	-0.2508081035
ENSG00000164045	18.50	22.50	0.2823997307
ENSG00000164048	254.00	144.75	-0.8112651488
ENSG00000164049	13.50	16.25	0.2674803109
ENSG00000164050	2841.50	4202.50	0.5645951041
ENSG00000164051	259.00	314.50	0.2801079192
ENSG00000164053	117.00	113.00	-0.0501857572
ENSG00000164054	3530.00	3595.75	0.0266245353
ENSG00000164056	711.25	841.00	0.2417490531
ENSG00000164061	24.00	18.00	-0.4150374993
ENSG00000164062	1282.75	1264.75	-0.0203877864
ENSG00000164066	673.50	637.00	-0.0803845732
ENSG00000164068	782.75	877.50	0.1648475221
ENSG00000164070	983.00	360.25	-1.4481929862
ENSG00000164073	283.75	237.25	-0.2582123052
ENSG00000164074	158.75	152.00	-0.0626852682
ENSG00000164077	214.50	205.75	-0.0600852171
ENSG00000164078	14.75	9.50	-0.6347155359
ENSG00000164080	692.00	669.75	-0.0471493618
ENSG00000164081	847.00	899.50	0.0867613119
ENSG00000164082	1.75	1.75	0.0000000000
ENSG00000164086	345.00	322.25	-0.0984160033
ENSG00000164087	48.25	38.50	-0.3256704966
ENSG00000164088	703.50	608.00	-0.2104790998

ENSG00000164091	2598.50	2335.75	-0.1537931911
ENSG00000164093	9.25	8.00	-0.2094533656
ENSG00000164096	2906.25	2147.75	-0.4363327390
ENSG00000164099	7480.00	6259.50	-0.2569908488
ENSG00000164100	4.50	4.50	0.0000000000
ENSG00000164104	688.25	1427.25	1.0522334524
ENSG00000164105	347.25	715.75	1.0434810710
ENSG00000164106	20.25	45.50	1.1679446373
ENSG00000164107	8.75	24.25	1.4706298252
ENSG00000164109	75.50	68.25	-0.1456475984
ENSG00000164111	24765.75	26218.00	0.0822113241
ENSG00000164112	319.75	621.00	0.9576489093
ENSG00000164114	712.00	632.75	-0.1702416389
ENSG00000164116	336.50	211.00	-0.6733635059
ENSG00000164117	386.25	390.50	0.0157876154
ENSG00000164118	289.50	254.25	-0.1873155741
ENSG00000164122	7.50	36.25	2.2730184944
ENSG00000164124	158.50	162.25	0.0337356379
ENSG00000164125	5154.25	9485.50	0.8799613081
ENSG00000164134	831.75	992.50	0.2549171411
ENSG00000164136	157.25	145.50	-0.1120408640
ENSG00000164142	2.25	17.50	2.9593580155
ENSG00000164144	824.75	669.25	-0.3014116389
ENSG00000164151	1264.00	1288.75	0.0279759641
ENSG00000164161	15.00	41.00	1.4506614090
ENSG00000164162	114.00	114.00	0.0000000000
ENSG00000164163	1196.50	1171.25	-0.0307713490
ENSG00000164164	1474.50	1616.50	0.1326476851
ENSG00000164167	146.00	168.00	0.2024928639
ENSG00000164168	1214.00	1376.50	0.1812361883
ENSG00000164169	231.75	202.00	-0.1982140459
ENSG00000164171	1188.75	570.25	-1.0597788944
ENSG00000164172	1198.50	794.75	-0.5926568925
ENSG00000164175	0.25	0.50	1.0000000000
ENSG00000164176	2788.00	2746.75	-0.0215049541
ENSG00000164180	319.75	330.75	0.0487967974
ENSG00000164181	5.25	1.75	-1.5849625007
ENSG00000164182	300.75	277.25	-0.1173772770
ENSG00000164185	9.75	20.50	1.0721497858
ENSG00000164187	550.25	457.00	-0.2678930748
ENSG00000164188	4.25	5.25	0.3048545815
ENSG00000164190	1839.50	1644.50	-0.1616646681
ENSG00000164197	25.00	30.00	0.2630344058

ENSG00000164199	12.00	10.75	-0.1586977460
ENSG00000164209	1664.00	1634.00	-0.0262474500
ENSG00000164211	356.25	279.75	-0.3487518830
ENSG00000164219	479.50	348.50	-0.4603721591
ENSG00000164220	2907.50	2132.25	-0.4474025920
ENSG00000164221	181.25	151.25	-0.2610458527
ENSG00000164236	3014.75	2788.00	-0.1128078095
ENSG00000164237	798.50	403.25	-0.9856178743
ENSG00000164241	73.00	87.25	0.2572586673
ENSG00000164244	1866.00	1412.75	-0.4014427970
ENSG00000164251	55.25	41.50	-0.4128631280
ENSG00000164252	882.25	812.00	-0.1197077976
ENSG00000164253	636.00	519.00	-0.2932922269
ENSG00000164256	0.50	0.50	0.0000000000
ENSG00000164258	716.25	596.00	-0.2651509032
ENSG00000164265	8.75	10.50	0.2630344058
ENSG00000164266	1.50	0.25	-2.5849625007
ENSG00000164270	0.25	0.50	1.0000000000
ENSG00000164283	31.50	16.00	-0.9772799235
ENSG00000164284	244.00	189.00	-0.3684949133
ENSG00000164287	5.50	5.00	-0.1375035237
ENSG00000164291	389.50	604.50	0.6341190112
ENSG00000164292	10805.75	21330.75	0.9811354829
ENSG00000164294	4396.50	2879.50	-0.6105371467
ENSG00000164296	180.25	175.00	-0.0426443374
ENSG00000164300	697.50	585.25	-0.2531401876
ENSG00000164303	15.50	11.25	-0.4623432141
ENSG00000164305	413.50	643.75	0.6386131978
ENSG00000164306	262.50	207.00	-0.3426866551
ENSG00000164307	1685.50	1229.75	-0.4548115723
ENSG00000164308	940.25	826.75	-0.1855932608
ENSG00000164309	559.00	442.00	-0.3388019135
ENSG00000164318	14.25	9.25	-0.6234366485
ENSG00000164323	1216.75	1315.50	0.1125784739
ENSG00000164327	1025.00	1108.25	0.1126594528
ENSG00000164329	981.00	973.75	-0.0107017133
ENSG00000164330	654.75	1123.50	0.7789840648
ENSG00000164331	478.00	369.75	-0.3704604709
ENSG00000164332	715.25	792.75	0.1484183798
ENSG00000164338	183.25	206.00	0.1688311390
ENSG00000164342	248.50	135.50	-0.8749530002
ENSG00000164344	7.25	3.75	-0.9510903995
ENSG00000164346	1824.75	1505.25	-0.2776957036

ENSG00000164347	476.25	443.75	-0.1019719731
ENSG00000164366	1110.00	1262.75	0.1860093652
ENSG00000164379	120.75	70.25	-0.7814530586
ENSG00000164393	0.75	0.50	-0.5849625007
ENSG00000164398	19.50	23.75	0.2844533895
ENSG00000164400	1.00	1.00	0.0000000000
ENSG00000164402	2414.25	1768.75	-0.4488449296
ENSG00000164403	283.00	245.50	-0.2050790285
ENSG00000164404	4.25	7.25	0.7705181539
ENSG00000164405	956.50	888.25	-0.1067991850
ENSG00000164406	13.50	16.25	0.2674803109
ENSG00000164411	1.25	1.75	0.4854268272
ENSG00000164414	502.75	491.50	-0.0326497600
ENSG00000164418	34.00	35.00	0.0418201757
ENSG00000164430	65.25	67.25	0.0435563660
ENSG00000164434	13.75	5.50	-1.3219280949
ENSG00000164440	293.00	150.75	-0.9587426625
ENSG00000164442	4047.50	10695.25	1.4018672201
ENSG00000164463	1456.00	1615.50	0.1499703951
ENSG00000164465	844.00	552.50	-0.6112685344
ENSG00000164466	808.25	743.75	-0.1199838390
ENSG00000164483	24.75	12.50	-0.9855004303
ENSG00000164484	1199.25	485.75	-1.3038465386
ENSG00000164494	387.50	329.00	-0.2361087264
ENSG00000164506	1691.50	1871.50	0.1458918711
ENSG00000164509	72.25	26.25	-1.4606801648
ENSG00000164512	11.75	3.75	-1.6476982561
ENSG00000164520	19.00	7.25	-1.3899465183
ENSG00000164530	179.25	48.75	-1.8784989950
ENSG00000164535	348.00	405.50	0.2206146084
ENSG00000164542	60.50	33.25	-0.8635808018
ENSG00000164543	1360.50	877.00	-0.6334882088
ENSG00000164548	940.00	666.00	-0.4971385795
ENSG00000164574	3112.50	3486.00	0.1634987323
ENSG00000164576	1699.75	1697.75	-0.0016985374
ENSG00000164587	9071.50	8594.25	-0.0779693799
ENSG00000164588	4.50	4.75	0.0780025120
ENSG00000164591	24.00	9.75	-1.2995602819
ENSG00000164597	1168.25	910.00	-0.3604105868
ENSG00000164603	433.25	467.75	0.1105379041
ENSG00000164604	48.75	31.50	-0.6300503902
ENSG00000164609	1396.75	1258.75	-0.1500820421
ENSG00000164610	160.00	103.25	-0.6319301235

ENSG00000164611	98.75	84.75	-0.2205673799
ENSG00000164615	1073.25	1070.75	-0.0033644956
ENSG00000164616	0.50	0.25	-1.0000000000
ENSG00000164619	865.75	325.00	-1.4135107643
ENSG00000164620	46.25	41.25	-0.1650592463
ENSG00000164627	38.25	23.25	-0.7182290316
ENSG00000164631	787.25	687.25	-0.1959868506
ENSG00000164638	120.00	74.25	-0.6925714748
ENSG00000164647	1018.75	2720.00	1.4168065921
ENSG00000164649	572.50	433.25	-0.4020759438
ENSG00000164654	260.25	301.75	0.2134556075
ENSG00000164659	113.25	89.50	-0.3395514628
ENSG00000164663	339.50	248.25	-0.4516178567
ENSG00000164669	23.25	16.25	-0.5167909981
ENSG00000164674	89.25	63.00	-0.5025003405
ENSG00000164675	44.25	41.50	-0.0925661187
ENSG00000164683	1.75	1.50	-0.2223924213
ENSG00000164684	196.25	229.50	0.2258014996
ENSG00000164687	29.50	33.00	0.1617510700
ENSG00000164691	4.00	0.75	-2.4150374993
ENSG00000164692	257293.00	167827.25	-0.6164352229
ENSG00000164694	475.75	266.25	-0.8374221312
ENSG00000164695	1.25	0.75	-0.7369655942
ENSG00000164707	69.50	66.50	-0.0636586372
ENSG00000164708	0.50	1.00	1.0000000000
ENSG00000164713	1964.75	2170.75	0.1438478320
ENSG00000164715	367.25	376.75	0.0368450210
ENSG00000164733	28356.75	30231.00	0.0923365090
ENSG00000164741	4103.75	3828.50	-0.1001635875
ENSG00000164742	618.00	111.75	-2.4673320067
ENSG00000164743	58.75	43.00	-0.4502521919
ENSG00000164744	1.25	1.00	-0.3219280949
ENSG00000164746	0.75	0.25	-1.5849625007
ENSG00000164749	2.00	1.50	-0.4150374993
ENSG00000164751	850.00	755.75	-0.1695537674
ENSG00000164754	2660.50	3262.75	0.2943910453
ENSG00000164756	1.00	0.75	-0.4150374993
ENSG00000164758	99.75	121.75	0.2875330259
ENSG00000164761	12726.25	4120.50	-1.6269160517
ENSG00000164764	20.75	27.50	0.4063202822
ENSG00000164776	39.50	24.00	-0.7188182475
ENSG00000164778	0.25	0.25	0.0000000000
ENSG00000164794	19.25	27.75	0.5276293257

ENSG00000164796	6.00	4.25	-0.4974996595
ENSG00000164808	1274.50	1101.25	-0.2107893542
ENSG00000164815	263.25	244.25	-0.1080749691
ENSG00000164818	617.50	532.00	-0.2150128910
ENSG00000164823	409.50	378.75	-0.1126175633
ENSG00000164828	3043.25	3219.75	0.0813358188
ENSG00000164830	996.50	768.25	-0.3752939432
ENSG00000164841	1.50	1.00	-0.5849625007
ENSG00000164845	51.25	30.50	-0.7487427619
ENSG00000164849	27.25	49.00	0.8465255193
ENSG00000164850	135.25	69.25	-0.9657426178
ENSG00000164855	10.75	23.75	1.1435908536
ENSG00000164867	12.75	10.00	-0.3504972471
ENSG00000164877	1012.50	776.25	-0.3833286396
ENSG00000164879	0.25	0.25	0.0000000000
ENSG00000164880	2459.75	2259.50	-0.1225081358
ENSG00000164885	209.50	191.00	-0.1333776057
ENSG00000164889	2001.50	2219.00	0.1488280518
ENSG00000164896	1199.25	1109.25	-0.1125478864
ENSG00000164897	380.75	361.75	-0.0738510200
ENSG00000164898	48.50	70.75	0.5447454006
ENSG00000164902	1055.50	957.75	-0.1402055529
ENSG00000164904	1142.75	1043.50	-0.1310792184
ENSG00000164916	895.75	934.00	0.0603264115
ENSG00000164919	1335.00	1221.25	-0.1284811797
ENSG00000164920	6194.00	3352.25	-0.8857416384
ENSG00000164924	10800.75	10222.75	-0.0793481513
ENSG00000164929	139.75	72.75	-0.9418291299
ENSG00000164930	1016.75	1895.75	0.8988037321
ENSG00000164932	1692.75	3730.25	1.1399034034
ENSG00000164933	412.00	652.75	0.6638862151
ENSG00000164934	540.75	665.75	0.3000187632
ENSG00000164938	2322.00	1721.00	-0.4321208748
ENSG00000164941	703.75	568.50	-0.3079026681
ENSG00000164944	1770.50	1607.50	-0.1393381062
ENSG00000164946	7.00	14.25	1.0255350921
ENSG00000164949	1760.75	2237.50	0.3456975996
ENSG00000164951	1101.50	840.25	-0.3905789524
ENSG00000164953	279.25	198.00	-0.4960568504
ENSG00000164961	2387.00	1964.00	-0.2814036368
ENSG00000164967	185.25	158.00	-0.2295489841
ENSG00000164970	434.00	388.25	-0.1607091181
ENSG00000164972	4.00	3.75	-0.0931094044

ENSG00000164975	921.25	856.50 -0.1051394679
ENSG00000164976	78.75	61.00 -0.3684706808
ENSG00000164978	310.50	293.25 -0.0824621602
ENSG00000164983	615.00	514.75 -0.2567144856
ENSG00000164985	2020.50	1378.75 -0.5513514657
ENSG00000164989	103.75	66.25 -0.6471189768
ENSG00000165006	1232.00	1148.75 -0.1009373945
ENSG00000165023	18.75	5.75 -1.7052567344
ENSG00000165025	2.00	1.00 -1.0000000000
ENSG00000165028	25.75	17.75 -0.5367534077
ENSG00000165029	8423.00	8213.00 -0.0364248680
ENSG00000165030	958.50	1929.50 1.0093767069
ENSG00000165046	82.50	88.25 0.0972021590
ENSG00000165055	468.75	423.25 -0.1473086224
ENSG00000165060	98.25	83.25 -0.2390071352
ENSG00000165061	2.75	5.25 0.9328858041
ENSG00000165071	9.75	11.50 0.2381597372
ENSG00000165072	300.25	1160.00 1.9498886543
ENSG00000165078	50.75	28.25 -0.8451569548
ENSG00000165084	126.50	105.75 -0.2584797216
ENSG00000165091	4.50	6.25 0.4739311883
ENSG00000165092	664.75	383.50 -0.7935852944
ENSG00000165097	688.25	575.50 -0.2581167765
ENSG00000165102	3207.75	2908.00 -0.1415344387
ENSG00000165105	146.00	103.25 -0.4998265875
ENSG00000165113	38.25	25.75 -0.5708873155
ENSG00000165115	150.75	131.00 -0.2025911904
ENSG00000165118	353.50	354.25 0.0030576381
ENSG00000165119	9554.25	9397.50 -0.0238656171
ENSG00000165121	24.75	18.25 -0.4395320612
ENSG00000165124	48219.00	69746.50 0.5325190902
ENSG00000165125	12.00	39.25 1.7096582482
ENSG00000165138	780.25	763.25 -0.0317807677
ENSG00000165140	0.50	0.50 0.0000000000
ENSG00000165152	353.25	448.00 0.3428091717
ENSG00000165156	1403.75	1022.25 -0.4575379598
ENSG00000165169	1325.00	1295.50 -0.0324833442
ENSG00000165171	84.00	87.50 0.0588936891
ENSG00000165175	1102.50	913.00 -0.2720918905
ENSG00000165181	2.25	3.25 0.5305147167
ENSG00000165182	0.25	0.50 1.0000000000
ENSG00000165185	87.75	79.00 -0.1515464721
ENSG00000165186	7.00	6.75 -0.0524674199

ENSG00000165188	1.25	0.75 -0.7369655942
ENSG00000165192	1.00	1.75 0.8073549221
ENSG00000165194	7.75	5.00 -0.6322682155
ENSG00000165195	126.00	232.00 0.8807010716
ENSG00000165197	274.50	122.00 -1.1699250014
ENSG00000165202	7.25	3.75 -0.9510903995
ENSG00000165209	128.00	116.00 -0.1420190049
ENSG00000165219	1051.25	1029.00 -0.0308628182
ENSG00000165233	309.25	302.50 -0.0318384528
ENSG00000165240	746.75	531.00 -0.4919134715
ENSG00000165244	26.75	55.25 1.0464355730
ENSG00000165246	587.75	424.50 -0.4694380801
ENSG00000165259	92.75	83.00 -0.1602359453
ENSG00000165264	384.25	402.75 0.0678393290
ENSG00000165269	16.50	7.75 -1.0901978090
ENSG00000165271	754.00	656.25 -0.2003190058
ENSG00000165272	257.25	32.00 -3.0070272669
ENSG00000165275	198.00	184.75 -0.0999260659
ENSG00000165280	6252.75	5698.75 -0.1338453319
ENSG00000165282	361.75	305.50 -0.2438206367
ENSG00000165283	1014.00	1035.50 0.0302699012
ENSG00000165288	529.00	448.00 -0.2397689901
ENSG00000165300	9.00	6.50 -0.4694852833
ENSG00000165304	153.75	167.25 0.1214198004
ENSG00000165309	5.75	1.00 -2.5235619561
ENSG00000165312	173.75	190.50 0.1327780199
ENSG00000165322	1488.75	1502.25 0.0130234138
ENSG00000165323	16.50	12.00 -0.4594316186
ENSG00000165338	693.25	557.50 -0.3144039062
ENSG00000165349	3.75	5.75 0.6166713604
ENSG00000165355	351.00	378.50 0.1088222697
ENSG00000165359	205.25	160.75 -0.3525634844
ENSG00000165376	2.00	2.50 0.3219280949
ENSG00000165379	10.00	6.75 -0.5670405927
ENSG00000165383	26.50	41.50 0.6471189768
ENSG00000165389	1989.00	1679.00 -0.2444410459
ENSG00000165392	368.25	360.75 -0.0296861305
ENSG00000165406	1252.25	1022.50 -0.2924217684
ENSG00000165409	0.50	1.50 1.5849625007
ENSG00000165410	2341.25	2055.75 -0.1876141656
ENSG00000165416	993.25	848.25 -0.2276673634
ENSG00000165417	1177.25	949.50 -0.3101808172
ENSG00000165424	6562.50	6115.50 -0.1017750601

ENSG00000165434	399.25	297.50	-0.4244027392
ENSG00000165443	0.25	4.00	4.0000000000
ENSG00000165449	4.50	4.25	-0.0824621602
ENSG00000165458	2485.25	2539.25	0.0310114566
ENSG00000165474	0.25	0.25	0.0000000000
ENSG00000165475	426.00	331.00	-0.3640222134
ENSG00000165476	1970.00	2141.50	0.1204260475
ENSG00000165478	2.25	2.50	0.1520030934
ENSG00000165480	11.00	14.00	0.3479233034
ENSG00000165487	768.75	685.50	-0.1653578393
ENSG00000165490	18.00	17.75	-0.0201778819
ENSG00000165494	1035.50	1073.50	0.0519946376
ENSG00000165495	32.75	5.50	-2.5739913829
ENSG00000165501	105.25	115.25	0.1309465174
ENSG00000165502	1897.25	1643.50	-0.2071383383
ENSG00000165506	193.25	195.75	0.0185438934
ENSG00000165507	9624.75	25873.50	1.4266542530
ENSG00000165509	3.00	2.50	-0.2630344058
ENSG00000165512	373.75	449.50	0.2662475364
ENSG00000165516	1273.50	1446.00	0.1832685927
ENSG00000165521	170.50	137.75	-0.3077194205
ENSG00000165525	1250.50	1148.75	-0.1224401960
ENSG00000165526	469.75	476.00	0.0190684119
ENSG00000165527	1596.50	1910.75	0.2592264774
ENSG00000165533	946.50	563.25	-0.7488270975
ENSG00000165555	14.25	11.00	-0.3734583955
ENSG00000165566	3.00	3.00	0.0000000000
ENSG00000165568	26.50	21.00	-0.3356030318
ENSG00000165572	332.25	289.50	-0.1987058513
ENSG00000165583	1.00	0.75	-0.4150374993
ENSG00000165591	7.00	2.50	-1.4854268272
ENSG00000165609	1377.00	1129.25	-0.2861636457
ENSG00000165617	526.25	526.50	0.0006852031
ENSG00000165621	0.50	0.25	-1.0000000000
ENSG00000165626	214.75	174.50	-0.2994310949
ENSG00000165629	1256.50	1397.00	0.1529213495
ENSG00000165630	260.25	259.00	-0.0069460656
ENSG00000165632	356.25	290.00	-0.2968371139
ENSG00000165633	1962.75	2701.00	0.4606172147
ENSG00000165637	1930.50	2476.75	0.3594736978
ENSG00000165644	50.75	92.75	0.8699394594
ENSG00000165646	5.75	3.50	-0.7162070340
ENSG00000165650	1179.00	1096.25	-0.1049868756

ENSG00000165655	1284.75	1113.75	-0.2060622204
ENSG00000165660	445.50	460.75	0.0485587341
ENSG00000165661	339.50	349.50	0.0418808811
ENSG00000165669	706.50	552.75	-0.3540624405
ENSG00000165671	1674.50	1267.50	-0.4017446288
ENSG00000165672	1867.50	2004.00	0.1017742655
ENSG00000165675	303.25	418.25	0.4638578949
ENSG00000165678	2616.00	2473.75	-0.0806628336
ENSG00000165684	330.00	262.75	-0.3287752603
ENSG00000165685	14.00	8.25	-0.7629608027
ENSG00000165688	734.75	791.00	0.1064242408
ENSG00000165689	496.50	528.00	0.0887442118
ENSG00000165694	1.50	0.25	-2.5849625007
ENSG00000165695	22.00	20.75	-0.0843921873
ENSG00000165698	173.75	145.50	-0.2559938247
ENSG00000165699	1677.00	1627.00	-0.0436684379
ENSG00000165704	277.00	277.25	0.0013014841
ENSG00000165714	179.50	156.75	-0.1955184010
ENSG00000165716	23.75	23.50	-0.0152667567
ENSG00000165724	219.25	203.00	-0.1110971153
ENSG00000165730	0.75	5.25	2.8073549221
ENSG00000165731	13.75	10.50	-0.3890422907
ENSG00000165732	1141.00	1540.25	0.4328657440
ENSG00000165733	999.00	930.00	-0.1032539618
ENSG00000165752	123.50	122.50	-0.0117292926
ENSG00000165757	4090.50	4242.25	0.0525524418
ENSG00000165775	790.50	892.75	0.1754907662
ENSG00000165782	523.25	548.75	0.0686486282
ENSG00000165792	538.25	423.00	-0.3476187510
ENSG00000165794	1.25	0.25	-2.3219280949
ENSG00000165795	52.50	67.50	0.3625700794
ENSG00000165799	1.00	0.25	-2.0000000000
ENSG00000165801	2836.25	1465.25	-0.9528378666
ENSG00000165802	1157.75	2064.75	0.8346433536
ENSG00000165804	846.25	716.50	-0.2401172242
ENSG00000165805	56.25	59.25	0.0749620577
ENSG00000165806	493.75	421.50	-0.2282481170
ENSG00000165807	14.25	14.75	0.0497530352
ENSG00000165810	10.25	7.25	-0.4995710095
ENSG00000165813	575.50	436.25	-0.3996607970
ENSG00000165816	7.50	2.25	-1.7369655942
ENSG00000165819	737.75	802.00	0.1204702210
ENSG00000165821	513.00	288.25	-0.8316382180

ENSG00000165828	18.00	7.25	-1.3119440063
ENSG00000165832	408.75	342.25	-0.2561681891
ENSG00000165837	1.75	3.25	0.8930847961
ENSG00000165861	1106.25	1093.75	-0.0163944383
ENSG00000165863	3.75	2.50	-0.5849625007
ENSG00000165868	503.00	302.50	-0.7336232576
ENSG00000165874	18.75	21.50	0.1974460642
ENSG00000165879	72.00	60.25	-0.2570356652
ENSG00000165886	421.50	379.50	-0.1514327455
ENSG00000165887	10.75	14.00	0.3810901674
ENSG00000165891	67.00	20.00	-1.7441610956
ENSG00000165895	167.50	69.50	-1.2690762126
ENSG00000165898	249.50	272.00	0.1245668359
ENSG00000165899	13.25	40.00	1.5940076403
ENSG00000165912	568.00	442.50	-0.3602134745
ENSG00000165914	583.00	443.25	-0.3953752523
ENSG00000165915	2549.00	3750.50	0.5571515688
ENSG00000165916	1439.75	1520.25	0.0784902675
ENSG00000165917	2.25	1.25	-0.8479969066
ENSG00000165923	41.25	34.75	-0.2473811415
ENSG00000165929	12.50	20.25	0.6959938131
ENSG00000165934	1641.75	1470.50	-0.1589276710
ENSG00000165935	1.50	2.75	0.8744691179
ENSG00000165943	160.50	189.00	0.2358129371
ENSG00000165948	87.50	83.50	-0.0675068194
ENSG00000165949	37.50	21.75	-0.7858751946
ENSG00000165959	22.00	35.00	0.6698513983
ENSG00000165966	3.50	1.00	-1.8073549221
ENSG00000165972	8.50	3.75	-1.1805722456
ENSG00000165983	181.75	185.50	0.0294638227
ENSG00000165985	12.50	10.75	-0.2175914351
ENSG00000165995	121.00	835.75	2.7880644023
ENSG00000165996	202.75	382.75	0.9167004633
ENSG00000165997	460.50	368.50	-0.3215365370
ENSG00000166002	43.50	35.75	-0.2830721591
ENSG00000166004	370.25	349.25	-0.0842396199
ENSG00000166012	1198.25	1208.00	0.0116915147
ENSG00000166016	242.75	252.00	0.0539524381
ENSG00000166024	373.00	412.50	0.1452184889
ENSG00000166025	2254.50	2229.00	-0.0164108934
ENSG00000166033	3200.50	2785.50	-0.2003609926
ENSG00000166035	47.25	24.00	-0.9772799235
ENSG00000166037	1003.50	711.25	-0.4966119642

ENSG00000166046	334.50	267.25	-0.3238162629
ENSG00000166068	1103.00	1292.50	0.2287314896
ENSG00000166073	5213.25	4375.25	-0.2528175913
ENSG00000166086	2171.75	2275.50	0.0673255488
ENSG00000166091	2.25	2.00	-0.1699250014
ENSG00000166105	15.00	19.00	0.3410369178
ENSG00000166106	1288.75	1606.25	0.3177240267
ENSG00000166111	4.00	4.25	0.0874628413
ENSG00000166123	400.75	269.25	-0.5737561756
ENSG00000166126	3.00	0.75	-2.0000000000
ENSG00000166128	2788.50	2483.25	-0.1672597595
ENSG00000166130	1276.00	1292.75	0.0188149757
ENSG00000166133	136.00	112.00	-0.2801079192
ENSG00000166135	1972.25	1753.00	-0.1700164415
ENSG00000166136	988.75	882.25	-0.1644182646
ENSG00000166140	395.75	335.75	-0.2372019507
ENSG00000166145	1.50	3.25	1.1154772174
ENSG00000166147	69090.00	63354.75	-0.1250241229
ENSG00000166148	5.75	10.25	0.8339900486
ENSG00000166153	15.75	11.50	-0.4537179674
ENSG00000166164	1130.75	1030.75	-0.1335855347
ENSG00000166165	377.75	565.25	0.5814573316
ENSG00000166166	329.50	391.25	0.2478122868
ENSG00000166167	603.25	471.50	-0.3554982395
ENSG00000166169	512.00	448.25	-0.1918402271
ENSG00000166170	680.25	725.00	0.0919159437
ENSG00000166171	269.75	183.00	-0.5597793112
ENSG00000166173	1409.00	947.00	-0.5732352808
ENSG00000166181	2130.25	1911.25	-0.1565062493
ENSG00000166183	0.25	0.25	0.0000000000
ENSG00000166188	288.25	249.75	-0.2068359299
ENSG00000166189	336.75	439.50	0.3841852197
ENSG00000166192	87.00	73.75	-0.2383723516
ENSG00000166197	1129.00	1141.50	0.0158853735
ENSG00000166199	238.25	243.00	0.0284800997
ENSG00000166200	1998.75	1673.75	-0.2560139782
ENSG00000166206	74.75	58.75	-0.3474847276
ENSG00000166224	885.50	776.00	-0.1904356546
ENSG00000166225	1275.75	1074.25	-0.2480158646
ENSG00000166226	1620.50	1688.25	0.0590895369
ENSG00000166228	500.75	431.00	-0.2164026467
ENSG00000166233	2038.75	1935.00	-0.0753513106
ENSG00000166246	18.75	16.75	-0.1627295000

ENSG00000166250	8215.00	5873.25	-0.4841015265
ENSG00000166257	15.50	10.75	-0.5279315557
ENSG00000166260	682.75	1095.75	0.6824893648
ENSG00000166261	163.50	144.00	-0.1832218241
ENSG00000166262	62.00	37.25	-0.7350277899
ENSG00000166263	393.50	636.00	0.6926631298
ENSG00000166265	2.50	0.75	-1.7369655942
ENSG00000166266	908.25	896.75	-0.0183836205
ENSG00000166272	2110.50	3079.50	0.5451112989
ENSG00000166275	418.50	397.00	-0.0760886154
ENSG00000166278	307.25	207.75	-0.5645645336
ENSG00000166289	475.75	641.00	0.4301207003
ENSG00000166292	22.75	48.50	1.0921182020
ENSG00000166295	920.50	980.00	0.0903640277
ENSG00000166311	3894.75	3201.25	-0.2828953783
ENSG00000166313	1469.75	1556.25	0.0825030593
ENSG00000166317	16.75	18.25	0.1237353684
ENSG00000166321	73.75	48.25	-0.6121141070
ENSG00000166323	17.25	8.00	-1.1085244568
ENSG00000166326	3088.75	2954.00	-0.0643532795
ENSG00000166333	3399.75	3801.25	0.1610452493
ENSG00000166337	1057.00	874.25	-0.2738575807
ENSG00000166340	6985.75	5340.50	-0.3874401943
ENSG00000166341	2753.75	1567.50	-0.8129321469
ENSG00000166342	56.50	48.75	-0.2128486487
ENSG00000166343	41.50	43.50	0.0679040645
ENSG00000166347	873.00	1170.00	0.4224549708
ENSG00000166348	367.00	245.75	-0.5785886465
ENSG00000166349	34.25	33.75	-0.0212164859
ENSG00000166352	270.75	214.50	-0.3359836901
ENSG00000166359	11.75	6.00	-0.9696263510
ENSG00000166377	684.25	665.25	-0.0406269243
ENSG00000166387	461.00	544.50	0.2401652983
ENSG00000166394	204.75	243.50	0.2500583204
ENSG00000166396	5.50	4.50	-0.2895066172
ENSG00000166398	763.00	961.25	0.3332286360
ENSG00000166401	350.75	474.25	0.4352046698
ENSG00000166402	867.00	604.50	-0.5202896540
ENSG00000166405	6.25	6.00	-0.0588936891
ENSG00000166407	0.50	0.25	-1.0000000000
ENSG00000166411	494.75	525.00	0.0856177155
ENSG00000166415	12.75	10.50	-0.2801079192
ENSG00000166428	8.25	3.25	-1.3439544012

ENSG00000166432	91.25	65.00 -0.4893848407
ENSG00000166435	340.75	242.50 -0.4907289097
ENSG00000166436	307.75	214.50 -0.5207812090
ENSG00000166439	963.75	728.50 -0.4037299827
ENSG00000166441	13742.25	11509.75 -0.2557617366
ENSG00000166444	2520.75	2550.00 0.0166442037
ENSG00000166446	110.25	145.75 0.4027172276
ENSG00000166448	288.75	189.75 -0.6057210609
ENSG00000166450	72.50	66.50 -0.1246266545
ENSG00000166451	87.75	99.75 0.1849177159
ENSG00000166452	527.25	502.25 -0.0700815311
ENSG00000166454	1870.75	1437.25 -0.3803057444
ENSG00000166455	27.50	15.25 -0.8506223760
ENSG00000166471	464.75	433.75 -0.0995911075
ENSG00000166473	251.50	98.25 -1.3560290875
ENSG00000166477	466.00	401.50 -0.2149299671
ENSG00000166478	272.75	272.25 -0.0026471476
ENSG00000166479	2521.00	1855.50 -0.4421881172
ENSG00000166482	38663.00	18059.50 -1.0981956352
ENSG00000166483	2480.00	3495.00 0.4949523350
ENSG00000166484	843.00	1293.00 0.6171177389
ENSG00000166492	12.25	8.75 -0.4854268272
ENSG00000166501	2.75	2.00 -0.4594316186
ENSG00000166503	1481.00	1150.25 -0.3646241842
ENSG00000166507	605.25	516.50 -0.2287628251
ENSG00000166508	905.25	612.75 -0.5630176926
ENSG00000166509	3.00	4.00 0.4150374993
ENSG00000166510	85.50	177.25 1.0517893024
ENSG00000166523	2.75	3.75 0.4474589770
ENSG00000166526	533.25	341.50 -0.6429264821
ENSG00000166529	204.00	181.25 -0.1705881571
ENSG00000166532	903.50	653.75 -0.4667855597
ENSG00000166535	7.25	5.75 -0.3344190391
ENSG00000166546	6.25	7.50 0.2630344058
ENSG00000166548	1319.25	1332.50 0.0144175495
ENSG00000166557	1730.50	1467.25 -0.2380742334
ENSG00000166562	97.75	74.00 -0.4015714317
ENSG00000166569	3.00	0.75 -2.0000000000
ENSG00000166573	12.50	14.25 0.1890338244
ENSG00000166575	401.50	337.00 -0.2526513963
ENSG00000166578	30.25	28.25 -0.0986842749
ENSG00000166579	1306.00	1571.75 0.2672168662
ENSG00000166582	104.25	84.50 -0.3030241372

ENSG00000166592	166.50	51.50 -1.6928778399
ENSG00000166595	684.25	721.00 0.0754757299
ENSG00000166596	6.75	5.50 -0.2954558835
ENSG00000166598	19986.75	17657.25 -0.1787832275
ENSG00000166619	1390.25	1355.75 -0.0362531668
ENSG00000166664	12.50	10.75 -0.2175914351
ENSG00000166669	14.75	17.25 0.2258814074
ENSG00000166670	15.50	1.75 -3.1468413883
ENSG00000166676	9.50	8.00 -0.2479275134
ENSG00000166681	2755.75	3334.50 0.2750254355
ENSG00000166682	5.00	1.25 -2.0000000000
ENSG00000166685	742.25	651.00 -0.1892476448
ENSG00000166689	12.00	5.50 -1.1255308821
ENSG00000166704	209.75	189.75 -0.1445709250
ENSG00000166707	23.00	29.25 0.3468027635
ENSG00000166710	22471.50	18859.00 -0.2528432504
ENSG00000166716	928.75	918.50 -0.0160105843
ENSG00000166734	3526.50	3212.50 -0.1345405854
ENSG00000166741	2907.75	12172.75 2.0656799896
ENSG00000166747	2132.25	2267.00 0.0884077913
ENSG00000166750	5383.75	4606.75 -0.2248621109
ENSG00000166762	34.00	18.50 -0.8780094756
ENSG00000166763	1.25	2.00 0.6780719051
ENSG00000166780	1167.25	1482.75 0.3451617832
ENSG00000166783	1061.75	896.00 -0.2448734713
ENSG00000166788	131.50	94.75 -0.4728649511
ENSG00000166793	273.00	88.50 -1.6251515908
ENSG00000166794	7848.75	7402.25 -0.0844990459
ENSG00000166796	11.75	12.50 0.0892673381
ENSG00000166797	367.50	388.00 0.0783124025
ENSG00000166800	6.50	8.25 0.3439544012
ENSG00000166801	873.25	799.00 -0.1281992345
ENSG00000166803	40.50	35.75 -0.1799786661
ENSG00000166813	323.00	310.25 -0.0581029546
ENSG00000166816	6.00	11.75 0.9696263510
ENSG00000166819	4.50	5.25 0.2223924213
ENSG00000166821	159.25	153.50 -0.0530547169
ENSG00000166822	172.75	181.75 0.0732696535
ENSG00000166823	4.00	5.00 0.3219280949
ENSG00000166825	2878.00	5464.25 0.9249568991
ENSG00000166828	3.25	1.75 -0.8930847961
ENSG00000166831	37.25	24.25 -0.6192556783
ENSG00000166833	3627.25	2828.25 -0.3589665320

ENSG00000166839	556.75	464.25	-0.2621277429
ENSG00000166840	7.50	8.00	0.0931094044
ENSG00000166845	112.75	83.75	-0.4289663379
ENSG00000166847	2198.50	2087.25	-0.0749161232
ENSG00000166848	1422.75	1145.25	-0.3130196166
ENSG00000166851	46.00	42.25	-0.1226825198
ENSG00000166855	929.25	937.25	0.0123671374
ENSG00000166856	0.50	0.25	-1.0000000000
ENSG00000166860	215.75	170.25	-0.3417057612
ENSG00000166862	1.25	0.75	-0.7369655942
ENSG00000166863	10.75	7.00	-0.6189098326
ENSG00000166869	21.00	14.25	-0.5594274086
ENSG00000166881	616.25	542.50	-0.1838926039
ENSG00000166886	1178.75	1122.25	-0.0708636746
ENSG00000166887	3002.50	2854.50	-0.0729261836
ENSG00000166888	6318.00	6730.75	0.0912993346
ENSG00000166889	1189.00	1085.75	-0.1310567623
ENSG00000166896	65.75	49.00	-0.4242091452
ENSG00000166897	11.50	8.25	-0.4791678367
ENSG00000166900	309.50	278.25	-0.1535577219
ENSG00000166902	459.50	451.25	-0.0261379295
ENSG00000166908	440.50	375.25	-0.2312899473
ENSG00000166912	525.75	811.25	0.6257696282
ENSG00000166913	5447.75	5570.00	0.0320168287
ENSG00000166920	12.25	7.50	-0.7078192485
ENSG00000166922	327.25	253.25	-0.3698309231
ENSG00000166923	23274.00	19690.25	-0.2412377530
ENSG00000166924	26.25	19.25	-0.4474589770
ENSG00000166925	775.75	739.50	-0.0690416444
ENSG00000166927	2.25	3.50	0.6374299206
ENSG00000166930	0.25	0.50	1.0000000000
ENSG00000166938	663.00	581.25	-0.1898500592
ENSG00000166946	920.50	1113.75	0.2749358051
ENSG00000166947	2.50	1.75	-0.5145731728
ENSG00000166949	6238.00	3929.25	-0.6668295900
ENSG00000166960	10.50	3.75	-1.4854268272
ENSG00000166963	9591.75	5085.25	-0.9154753554
ENSG00000166965	195.50	181.25	-0.1091876124
ENSG00000166971	469.25	444.75	-0.0773621396
ENSG00000166974	901.50	506.50	-0.8317652226
ENSG00000166979	78.50	180.00	1.1972323474
ENSG00000166986	2063.50	1453.00	-0.5060587354
ENSG00000166987	691.25	603.50	-0.1958538044

ENSG00000166997	652.00	418.75	-0.6387827740
ENSG00000167004	11410.00	9869.75	-0.2092133447
ENSG00000167005	2056.00	1783.25	-0.2053312910
ENSG00000167011	0.50	0.50	0.0000000000
ENSG00000167014	2.75	1.25	-1.1375035237
ENSG00000167034	26.50	31.75	0.2607642322
ENSG00000167037	2.50	2.75	0.1375035237
ENSG00000167065	140.50	140.00	-0.0051433033
ENSG00000167074	525.00	318.50	-0.7210240503
ENSG00000167077	9.50	6.75	-0.4930400113
ENSG00000167080	165.50	130.25	-0.3455478445
ENSG00000167081	2409.00	1861.75	-0.3717750360
ENSG00000167083	0.50	0.50	0.0000000000
ENSG00000167085	1249.00	1292.50	0.0493908036
ENSG00000167088	353.75	370.50	0.0667433946
ENSG00000167094	8.75	11.00	0.3301486017
ENSG00000167100	97.00	76.75	-0.3378179968
ENSG00000167103	26.00	13.00	-1.0000000000
ENSG00000167105	22.25	11.75	-0.9211445793
ENSG00000167106	1334.75	629.50	-1.0842912659
ENSG00000167107	417.75	384.75	-0.1187185017
ENSG00000167110	2467.50	2072.75	-0.2515039651
ENSG00000167112	450.75	404.25	-0.1570797180
ENSG00000167113	453.00	358.25	-0.3385443458
ENSG00000167114	357.25	453.25	0.3433730086
ENSG00000167118	926.50	878.00	-0.0775700365
ENSG00000167123	4391.00	3951.75	-0.1520578540
ENSG00000167130	166.00	124.25	-0.4179373898
ENSG00000167131	27.00	21.25	-0.3454965660
ENSG00000167136	118.50	150.00	0.3400754416
ENSG00000167157	592.75	495.50	-0.2585387003
ENSG00000167173	330.50	310.00	-0.0923820562
ENSG00000167178	7.50	4.25	-0.8194277544
ENSG00000167182	380.00	349.00	-0.1227723821
ENSG00000167183	1.75	0.75	-1.2223924213
ENSG00000167186	340.75	249.00	-0.4525679147
ENSG00000167191	1344.25	4257.25	1.6631203409
ENSG00000167193	2259.50	2434.25	0.1074737849
ENSG00000167196	892.50	597.00	-0.5801212377
ENSG00000167202	8543.00	7373.75	-0.2123442783
ENSG00000167207	0.75	2.00	1.4150374993
ENSG00000167208	1.00	1.00	0.0000000000
ENSG00000167216	200.75	154.75	-0.3754605783

ENSG00000167220	416.75	389.75	-0.0966331763
ENSG00000167232	376.75	272.25	-0.4686754629
ENSG00000167244	7042.75	9069.00	0.3648046081
ENSG00000167257	428.25	306.50	-0.4825661724
ENSG00000167258	1361.50	1131.00	-0.2675980531
ENSG00000167261	1.50	3.25	1.1154772174
ENSG00000167264	134.75	122.25	-0.1404508078
ENSG00000167272	255.00	213.50	-0.2562611772
ENSG00000167280	451.25	314.00	-0.5231623729
ENSG00000167281	7.50	6.50	-0.2064508775
ENSG00000167283	1662.50	1538.50	-0.1118298969
ENSG00000167291	2571.75	3400.00	0.4027843414
ENSG00000167302	354.00	400.75	0.1789531601
ENSG00000167306	13.25	22.00	0.7315111641
ENSG00000167311	39.00	15.00	-1.3785116233
ENSG00000167315	1194.00	1254.25	0.0710221015
ENSG00000167323	1350.50	1584.50	0.2305340199
ENSG00000167325	1035.25	766.25	-0.4340921288
ENSG00000167332	4.00	5.00	0.3219280949
ENSG00000167333	418.50	301.50	-0.4730696207
ENSG00000167363	105.50	86.50	-0.2864709611
ENSG00000167371	394.00	227.75	-0.7907445757
ENSG00000167377	436.25	413.75	-0.0763958194
ENSG00000167378	510.25	439.50	-0.2153411119
ENSG00000167380	430.25	255.25	-0.7532642312
ENSG00000167384	154.00	108.25	-0.5085633260
ENSG00000167393	104.50	78.00	-0.4219569132
ENSG00000167394	281.00	329.50	0.2297083348
ENSG00000167395	596.75	609.00	0.0293155668
ENSG00000167397	2302.25	2138.25	-0.1066139634
ENSG00000167414	1.00	0.50	-1.0000000000
ENSG00000167419	7.50	3.00	-1.3219280949
ENSG00000167447	440.25	435.00	-0.0173076031
ENSG00000167460	40652.25	63873.00	0.6518710088
ENSG00000167461	980.00	1016.50	0.0527565608
ENSG00000167468	7116.75	5091.25	-0.4831986481
ENSG00000167470	1117.75	891.25	-0.3266954692
ENSG00000167476	7.00	4.25	-0.7198920808
ENSG00000167483	43.00	46.50	0.1128940564
ENSG00000167487	146.00	142.75	-0.0324776235
ENSG00000167491	1118.50	1113.75	-0.0061398246
ENSG00000167508	352.00	339.00	-0.0542901555
ENSG00000167513	27.25	21.25	-0.3587933886

ENSG00000167515	821.50	621.00	-0.4036673067
ENSG00000167522	4776.75	4463.25	-0.0979347542
ENSG00000167523	80.00	73.75	-0.1173569506
ENSG00000167524	51.75	50.25	-0.0424352663
ENSG00000167525	46.00	38.25	-0.2661741134
ENSG00000167526	19488.50	17829.75	-0.1283365785
ENSG00000167528	291.75	259.25	-0.1703886669
ENSG00000167535	1376.00	1266.00	-0.1202030653
ENSG00000167536	67.75	79.75	0.2352635724
ENSG00000167543	436.25	617.00	0.5001153581
ENSG00000167548	2142.25	2237.75	0.0629220163
ENSG00000167549	695.00	3086.25	2.1507700484
ENSG00000167550	10.50	22.50	1.0995356736
ENSG00000167552	12535.00	4882.25	-1.3603439196
ENSG00000167553	2633.00	1825.25	-0.5286134415
ENSG00000167554	123.75	81.00	-0.6114347121
ENSG00000167555	827.25	625.50	-0.4033135021
ENSG00000167562	156.00	132.00	-0.2410080995
ENSG00000167565	331.00	271.75	-0.2845511818
ENSG00000167566	809.50	674.00	-0.2642824891
ENSG00000167578	227.25	278.25	0.2921013931
ENSG00000167588	4.00	3.75	-0.0931094044
ENSG00000167595	182.50	185.00	0.0196288067
ENSG00000167600	62.50	54.75	-0.1909972251
ENSG00000167601	4905.25	4824.75	-0.0238724770
ENSG00000167604	45.75	39.75	-0.2028168830
ENSG00000167608	1.00	1.25	0.3219280949
ENSG00000167612	2.75	2.00	-0.4594316186
ENSG00000167613	3.25	1.75	-0.8930847961
ENSG00000167614	1.25	3.25	1.3785116233
ENSG00000167615	2295.00	2454.50	0.0969350131
ENSG00000167617	38.75	45.25	0.2237214818
ENSG00000167619	11.75	4.25	-1.4671260104
ENSG00000167625	264.75	266.25	0.0081508411
ENSG00000167632	507.25	459.75	-0.1418473853
ENSG00000167635	1230.75	1017.75	-0.2741545181
ENSG00000167637	156.75	104.00	-0.5918819147
ENSG00000167641	67.25	431.25	2.6809182840
ENSG00000167642	50.50	166.75	1.7233314684
ENSG00000167645	426.50	864.50	1.0193202223
ENSG00000167646	6.25	3.25	-0.9434164716
ENSG00000167653	35.00	12.75	-1.4568576750
ENSG00000167654	6.50	11.00	0.7589919005

ENSG00000167657	1229.75	1478.75	0.2660131135
ENSG00000167658	67166.50	58438.75	-0.2008165337
ENSG00000167664	1.25	0.75	-0.7369655942
ENSG00000167670	155.25	143.25	-0.1160581295
ENSG00000167671	2914.25	2777.00	-0.0695974677
ENSG00000167674	1433.50	1256.50	-0.1901312334
ENSG00000167676	71.50	47.50	-0.5900157284
ENSG00000167680	50.75	21.25	-1.2559449810
ENSG00000167685	475.50	392.00	-0.2785916867
ENSG00000167693	1869.50	1703.50	-0.1341505238
ENSG00000167695	465.25	469.50	0.0131190076
ENSG00000167699	732.25	586.25	-0.3208202705
ENSG00000167700	130.50	125.50	-0.0563624426
ENSG00000167701	29.25	26.25	-0.1561192019
ENSG00000167702	299.50	456.25	0.6072685559
ENSG00000167703	127.75	89.75	-0.5093394471
ENSG00000167705	68.25	92.75	0.4425182357
ENSG00000167711	4.50	9.00	1.0000000000
ENSG00000167716	870.25	980.00	0.1713518403
ENSG00000167720	349.25	287.75	-0.2794441873
ENSG00000167721	1249.25	1402.75	0.1671956947
ENSG00000167723	44.00	47.75	0.1179972094
ENSG00000167733	195.50	177.00	-0.1434192472
ENSG00000167740	633.00	534.75	-0.2433409223
ENSG00000167741	2.50	2.50	0.0000000000
ENSG00000167747	321.25	218.00	-0.5593683193
ENSG00000167748	0.25	0.25	0.0000000000
ENSG00000167749	2.00	7.00	1.8073549221
ENSG00000167751	1.75	1.75	0.0000000000
ENSG00000167757	5.50	3.50	-0.6520766966
ENSG00000167766	941.00	784.25	-0.2628810989
ENSG00000167767	10.00	16.75	0.7441610956
ENSG00000167769	0.25	1.25	2.3219280949
ENSG00000167770	1014.00	1051.50	0.0523911977
ENSG00000167771	71.50	25.25	-1.5016598540
ENSG00000167772	732.00	1106.25	0.5957619016
ENSG00000167774	21.00	10.25	-1.0347654182
ENSG00000167775	331.25	263.50	-0.3301174927
ENSG00000167778	729.75	769.75	0.0769876565
ENSG00000167779	3818.75	4340.00	0.1845945677
ENSG00000167780	1.50	3.50	1.2223924213
ENSG00000167785	491.00	422.75	-0.2159182699
ENSG00000167792	1410.50	1360.00	-0.0526000144

ENSG00000167797	238.50	412.50	0.7904048531
ENSG00000167799	18.75	19.00	0.0191088229
ENSG00000167800	0.25	0.25	0.0000000000
ENSG00000167807	13.50	16.50	0.2895066172
ENSG00000167815	1362.50	1059.00	-0.3635536406
ENSG00000167840	84.50	80.00	-0.0789513414
ENSG00000167842	278.00	235.25	-0.2408901600
ENSG00000167858	0.25	0.25	0.0000000000
ENSG00000167861	9.25	17.00	0.8780094756
ENSG00000167862	227.00	216.75	-0.0666603041
ENSG00000167863	1531.50	1694.25	0.1457014045
ENSG00000167874	5.50	3.50	-0.6520766966
ENSG00000167880	2.25	5.25	1.2223924213
ENSG00000167881	1459.25	1242.50	-0.2319812164
ENSG00000167889	6.25	4.25	-0.5563933485
ENSG00000167895	1.00	0.25	-2.0000000000
ENSG00000167900	83.50	60.75	-0.4588917889
ENSG00000167904	304.50	198.25	-0.6191213622
ENSG00000167910	0.75	0.25	-1.5849625007
ENSG00000167914	5.50	2.00	-1.4594316186
ENSG00000167920	146.25	155.50	0.0884779557
ENSG00000167925	368.50	428.00	0.2159461773
ENSG00000167930	2438.75	2359.50	-0.0476607014
ENSG00000167945	2.25	1.75	-0.3625700794
ENSG00000167962	732.50	836.25	0.1911055462
ENSG00000167964	14.00	10.75	-0.3810901674
ENSG00000167965	678.50	557.75	-0.2827302072
ENSG00000167967	402.25	410.00	0.0275314888
ENSG00000167968	11.25	8.00	-0.4918530963
ENSG00000167969	346.75	447.25	0.3671855997
ENSG00000167971	3.25	5.25	0.6918777046
ENSG00000167972	138.50	130.75	-0.0830750298
ENSG00000167977	367.00	338.25	-0.1176901289
ENSG00000167978	11565.50	11897.50	0.0408308165
ENSG00000167981	87.25	71.00	-0.2973361067
ENSG00000167984	38.25	28.75	-0.4118977917
ENSG00000167985	181.25	256.25	0.4995710095
ENSG00000167986	9225.00	8276.00	-0.1566152660
ENSG00000167987	370.00	325.00	-0.1870855526
ENSG00000167992	385.75	141.75	-1.4443174216
ENSG00000167994	1007.75	917.50	-0.1353577201
ENSG00000167995	488.50	260.75	-0.9056913094
ENSG00000167996	156061.50	148345.00	-0.0731583705

ENSG00000168000	263.00	214.00	-0.2974520029
ENSG00000168002	637.00	586.50	-0.1191622642
ENSG00000168003	1815.25	1367.75	-0.4083636971
ENSG00000168004	28.50	36.25	0.3470190759
ENSG00000168005	398.75	384.00	-0.0543782079
ENSG00000168010	289.75	194.75	-0.5731853329
ENSG00000168014	578.25	540.00	-0.0987339536
ENSG00000168016	1744.50	1723.25	-0.0176815822
ENSG00000168026	100.25	92.00	-0.1238964704
ENSG00000168028	14795.50	13450.75	-0.1374718337
ENSG00000168032	68.50	70.00	0.0312509340
ENSG00000168036	5382.50	5260.00	-0.0332136149
ENSG00000168038	89.50	93.50	0.0630786826
ENSG00000168040	398.75	368.75	-0.1128414695
ENSG00000168056	5844.00	5382.00	-0.1188137872
ENSG00000168060	168.25	149.75	-0.1680505018
ENSG00000168061	100.75	69.50	-0.5356949558
ENSG00000168062	40.25	24.00	-0.7459543774
ENSG00000168065	1.75	2.50	0.5145731728
ENSG00000168066	2892.50	2776.00	-0.0593093914
ENSG00000168067	246.75	264.75	0.1015805995
ENSG00000168071	41.25	33.00	-0.3219280949
ENSG00000168077	2764.75	1662.75	-0.7335777610
ENSG00000168078	30.75	22.00	-0.4830828867
ENSG00000168079	204.50	518.25	1.3415473682
ENSG00000168090	1532.75	1275.00	-0.2656251576
ENSG00000168092	1479.50	1774.25	0.2620996098
ENSG00000168096	342.00	311.25	-0.1359224879
ENSG00000168101	223.00	265.50	0.2516681509
ENSG00000168116	217.25	176.75	-0.2976459620
ENSG00000168118	749.25	828.25	0.1446191196
ENSG00000168124	0.75	0.75	0.0000000000
ENSG00000168135	1.00	0.50	-1.0000000000
ENSG00000168137	2669.50	1987.00	-0.4259776764
ENSG00000168140	2287.50	1724.50	-0.4075936146
ENSG00000168148	1.00	2.25	1.1699250014
ENSG00000168152	94.50	63.25	-0.5792488495
ENSG00000168158	3.50	1.00	-1.8073549221
ENSG00000168159	1991.75	1650.50	-0.2711334364
ENSG00000168172	1456.75	1611.50	0.1456508777
ENSG00000168175	1332.75	1390.25	0.0609381551
ENSG00000168209	1545.00	2233.00	0.5313764130
ENSG00000168214	8079.00	4308.00	-0.9071584807

ENSG00000168216	1031.25	967.25	-0.0924333906
ENSG00000168228	203.00	175.75	-0.2079550381
ENSG00000168229	0.50	0.50	0.0000000000
ENSG00000168234	455.50	744.25	0.7083362624
ENSG00000168237	47.25	43.75	-0.1110313124
ENSG00000168243	3.00	2.25	-0.4150374993
ENSG00000168246	815.25	670.50	-0.2820052038
ENSG00000168255	897.25	776.25	-0.2089886547
ENSG00000168256	621.75	625.50	0.0086752819
ENSG00000168259	1285.25	1131.50	-0.1838124275
ENSG00000168263	0.50	1.00	1.0000000000
ENSG00000168264	1787.25	1320.25	-0.4369303108
ENSG00000168268	1140.25	1192.25	0.0643366125
ENSG00000168273	88.25	72.75	-0.2786490304
ENSG00000168275	147.50	147.00	-0.0048987994
ENSG00000168280	3.50	4.25	0.2801079192
ENSG00000168282	1130.75	964.00	-0.2301749444
ENSG00000168283	1225.25	1244.75	0.0227798687
ENSG00000168286	467.00	458.00	-0.0280749516
ENSG00000168288	1600.25	1474.75	-0.1178268994
ENSG00000168291	847.25	948.75	0.1632402488
ENSG00000168297	1949.00	1485.50	-0.3917854854
ENSG00000168298	1.75	0.25	-2.8073549221
ENSG00000168300	2251.25	1534.75	-0.5527226063
ENSG00000168301	134.00	142.25	0.0861956518
ENSG00000168303	290.50	426.50	0.5540075779
ENSG00000168306	515.25	366.50	-0.4914594014
ENSG00000168309	21.00	258.50	3.6217030475
ENSG00000168310	665.50	727.50	0.1285085819
ENSG00000168314	10.50	9.75	-0.1069152039
ENSG00000168329	1.25	0.75	-0.7369655942
ENSG00000168334	2.50	0.50	-2.3219280949
ENSG00000168350	13.00	8.75	-0.5711567012
ENSG00000168356	6.50	6.00	-0.1154772174
ENSG00000168374	5064.00	5539.00	0.1293481337
ENSG00000168384	5.50	4.75	-0.2115041052
ENSG00000168385	15318.75	13954.75	-0.1345423004
ENSG00000168386	2845.25	1658.50	-0.7786764094
ENSG00000168389	7.50	12.00	0.6780719051
ENSG00000168393	243.50	207.00	-0.2342910046
ENSG00000168394	117.75	96.75	-0.2833934935
ENSG00000168395	340.00	357.25	0.0713992650
ENSG00000168397	885.25	868.25	-0.0279744330

ENSG00000168398	10650.50	2638.00	-2.0134046913
ENSG00000168404	70.75	86.75	0.2941336097
ENSG00000168405	114.00	150.75	0.4031241777
ENSG00000168411	388.75	365.50	-0.0889712691
ENSG00000168412	0.25	0.50	1.0000000000
ENSG00000168418	6.25	4.75	-0.3959286763
ENSG00000168421	11.50	11.50	0.0000000000
ENSG00000168427	12.25	23.25	0.9244489670
ENSG00000168434	416.25	313.75	-0.4078348131
ENSG00000168438	637.50	586.50	-0.1202942337
ENSG00000168439	1740.25	1657.00	-0.0707209724
ENSG00000168452	67.50	65.25	-0.0489096005
ENSG00000168453	1066.00	737.25	-0.5319816157
ENSG00000168454	1.50	2.00	0.4150374993
ENSG00000168461	2925.50	4794.50	0.7126971518
ENSG00000168468	119.25	119.50	0.0030213520
ENSG00000168476	203.00	228.00	0.1675540970
ENSG00000168477	4840.00	2846.25	-0.7659446611
ENSG00000168481	2.00	33.00	4.0443941194
ENSG00000168487	2582.50	2493.00	-0.0508854663
ENSG00000168488	1943.00	1628.75	-0.2545207221
ENSG00000168490	59.50	40.00	-0.5728896684
ENSG00000168491	15.75	7.50	-1.0703893279
ENSG00000168495	607.25	590.75	-0.0397428607
ENSG00000168496	135.75	126.75	-0.0989664508
ENSG00000168497	968.00	858.50	-0.1731889133
ENSG00000168502	2721.25	1894.50	-0.5224523626
ENSG00000168505	0.25	0.25	0.0000000000
ENSG00000168517	123.00	90.25	-0.4466594785
ENSG00000168522	1284.50	1319.50	0.0387844604
ENSG00000168528	1672.00	1902.50	0.1863216063
ENSG00000168538	1150.50	1419.50	0.3031218655
ENSG00000168542	114294.75	56577.25	-1.0144651768
ENSG00000168556	248.75	484.75	0.9625443727
ENSG00000168564	375.25	404.25	0.1073957019
ENSG00000168566	307.25	313.75	0.0302024485
ENSG00000168569	181.50	171.75	-0.0796594492
ENSG00000168575	1112.25	1346.25	0.2754652463
ENSG00000168589	7.00	6.75	-0.0524674199
ENSG00000168591	945.50	933.00	-0.0192003771
ENSG00000168594	5.25	2.50	-1.0703893279
ENSG00000168610	6743.00	9262.00	0.4579331594
ENSG00000168612	255.00	216.00	-0.2394659347

ENSG00000168615	17578.75	16798.25	-0.0655215417
ENSG00000168621	105.25	364.75	1.7930877449
ENSG00000168634	1.75	0.25	-2.8073549221
ENSG00000168646	304.50	635.50	1.0614498971
ENSG00000168653	1337.50	1268.75	-0.0761310692
ENSG00000168658	3.75	5.00	0.4150374993
ENSG00000168661	61.25	40.25	-0.6057210609
ENSG00000168672	25.25	8.00	-1.6582114828
ENSG00000168675	5.00	3.25	-0.6214883767
ENSG00000168676	19.75	9.25	-1.0943273825
ENSG00000168679	494.75	239.50	-1.0466740513
ENSG00000168685	75.75	85.75	0.1788907827
ENSG00000168701	269.00	314.50	0.2254538443
ENSG00000168702	1.25	6.50	2.3785116233
ENSG00000168703	2.00	0.75	-1.4150374993
ENSG00000168710	2923.50	2905.00	-0.0091584277
ENSG00000168724	1329.50	1581.00	0.2499535905
ENSG00000168734	1931.75	1678.50	-0.2027358609
ENSG00000168743	42.00	27.50	-0.6109577093
ENSG00000168748	0.75	0.25	-1.5849625007
ENSG00000168754	2.50	3.75	0.5849625007
ENSG00000168758	719.75	867.00	0.2685361097
ENSG00000168763	435.00	420.75	-0.0480521294
ENSG00000168765	346.75	296.00	-0.2282987067
ENSG00000168769	462.50	316.00	-0.5495288072
ENSG00000168778	336.50	309.50	-0.1206670954
ENSG00000168779	234.00	206.75	-0.1786212004
ENSG00000168781	486.25	194.50	-1.3219280949
ENSG00000168785	3464.25	3195.75	-0.1163884947
ENSG00000168792	361.75	510.75	0.4976242822
ENSG00000168795	249.50	211.00	-0.2417968166
ENSG00000168802	1888.00	1705.00	-0.1470870255
ENSG00000168803	241.25	170.25	-0.5028741441
ENSG00000168806	170.00	146.00	-0.2195663773
ENSG00000168807	2392.50	2391.25	-0.0007539561
ENSG00000168811	70.00	17.25	-2.0207585602
ENSG00000168813	561.75	436.25	-0.3647730881
ENSG00000168818	496.25	481.50	-0.0435313042
ENSG00000168824	22.25	22.75	0.0320612092
ENSG00000168826	90.75	56.25	-0.6900445468
ENSG00000168827	781.50	705.50	-0.1475997904
ENSG00000168843	141.75	31.75	-2.1585202382
ENSG00000168852	5.00	4.25	-0.2344652536

ENSG00000168872	1015.75	942.25	-0.1083635696
ENSG00000168874	440.50	667.25	0.5990853812
ENSG00000168876	216.00	225.75	0.0636946753
ENSG00000168878	16.00	10.50	-0.6076825772
ENSG00000168883	945.75	1077.00	0.1874874735
ENSG00000168884	573.50	787.50	0.4574864373
ENSG00000168887	429.75	327.00	-0.3942070040
ENSG00000168890	372.25	630.00	0.7590799798
ENSG00000168894	831.25	710.25	-0.2269555091
ENSG00000168899	979.00	1037.25	0.0833828923
ENSG00000168904	293.25	248.00	-0.2417909876
ENSG00000168906	4367.75	4678.50	0.0991557714
ENSG00000168907	2.50	2.25	-0.1520030934
ENSG00000168913	2.25	2.50	0.1520030934
ENSG00000168916	579.25	524.75	-0.1425558776
ENSG00000168917	195.50	311.00	0.6697459728
ENSG00000168918	14.00	8.75	-0.6780719051
ENSG00000168924	610.50	713.25	0.2244165466
ENSG00000168928	1.25	3.25	1.3785116233
ENSG00000168936	1400.00	1433.75	0.0343666591
ENSG00000168938	1335.75	953.25	-0.4867234861
ENSG00000168939	54.75	62.00	0.1794092508
ENSG00000168944	552.50	468.50	-0.2379254166
ENSG00000168952	111.00	166.25	0.5827946640
ENSG00000168955	38.75	86.50	1.1585038224
ENSG00000168958	1967.00	1999.25	0.0234619303
ENSG00000168959	2.50	1.50	-0.7369655942
ENSG00000168961	33.00	8.75	-1.9151111024
ENSG00000168967	2.00	1.25	-0.6780719051
ENSG00000168970	200.50	139.00	-0.5285173537
ENSG00000168992	5.50	3.25	-0.7589919005
ENSG00000168993	2.75	3.25	0.2410080995
ENSG00000168994	931.00	2158.00	1.2128417919
ENSG00000169016	240.00	247.50	0.0443941194
ENSG00000169018	1473.75	1381.75	-0.0929952007
ENSG00000169019	340.00	370.00	0.1219905244
ENSG00000169020	726.25	730.00	0.0074302055
ENSG00000169021	778.75	790.25	0.0211488720
ENSG00000169026	66.50	78.75	0.2439255829
ENSG00000169031	26.75	65.50	1.2919560151
ENSG00000169032	1216.75	1550.50	0.3497007513
ENSG00000169035	1.25	1.00	-0.3219280949
ENSG00000169045	3834.50	4126.25	0.1057927638

ENSG00000169047	2969.25	4681.75	0.6569493302
ENSG00000169057	1760.25	1839.50	0.0635333337
ENSG00000169062	1212.00	1051.00	-0.2056270295
ENSG00000169071	1550.25	1440.00	-0.1064320778
ENSG00000169075	1.75	0.50	-1.8073549221
ENSG00000169083	1411.75	1473.25	0.0615176349
ENSG00000169084	496.75	473.00	-0.0706797839
ENSG00000169085	28.50	69.50	1.2860510586
ENSG00000169087	134.25	127.75	-0.0715987970
ENSG00000169093	681.00	877.00	0.3649220444
ENSG00000169100	7969.50	6820.50	-0.2246117087
ENSG00000169105	868.50	920.50	0.0838918726
ENSG00000169116	18.00	18.00	0.0000000000
ENSG00000169118	588.25	576.75	-0.0284833165
ENSG00000169122	500.50	398.75	-0.3278855502
ENSG00000169126	4.50	4.50	0.0000000000
ENSG00000169129	16.25	5.25	-1.6300503902
ENSG00000169131	232.25	187.00	-0.3126403265
ENSG00000169136	1863.50	744.00	-1.3246402926
ENSG00000169139	789.75	783.25	-0.0119231674
ENSG00000169155	371.75	327.00	-0.1850421066
ENSG00000169169	664.75	583.25	-0.1886974699
ENSG00000169174	5.25	2.25	-1.2223924213
ENSG00000169180	2494.75	2614.25	0.0675018626
ENSG00000169181	5.25	2.00	-1.3923174228
ENSG00000169184	2100.25	1990.75	-0.0772490095
ENSG00000169188	275.75	240.25	-0.1988244548
ENSG00000169189	642.75	624.75	-0.0409787087
ENSG00000169193	112.50	131.75	0.2278779604
ENSG00000169194	0.75	0.50	-0.5849625007
ENSG00000169203	277.25	242.25	-0.1946907947
ENSG00000169213	2807.00	4374.25	0.6400066127
ENSG00000169217	1177.75	1022.75	-0.2035797948
ENSG00000169218	356.75	825.25	1.2099178037
ENSG00000169220	91.25	64.00	-0.5117526538
ENSG00000169221	1035.75	935.00	-0.1476375502
ENSG00000169223	2308.25	2211.50	-0.0617742444
ENSG00000169224	5.75	7.00	0.2837929660
ENSG00000169228	543.00	438.00	-0.3100213282
ENSG00000169230	891.50	979.75	0.1361788700
ENSG00000169231	1557.50	1166.50	-0.4170458559
ENSG00000169239	386.00	390.25	0.0157977847
ENSG00000169241	335.50	273.00	-0.2974118153

ENSG00000169242	12.50	12.00	-0.0588936891
ENSG00000169245	2.75	0.25	-3.4594316186
ENSG00000169246	411.50	399.25	-0.0436000230
ENSG00000169247	21.50	38.75	0.8498596506
ENSG00000169249	238.25	163.50	-0.5431855784
ENSG00000169251	1006.00	795.75	-0.3382431482
ENSG00000169252	16.25	9.75	-0.7369655942
ENSG00000169255	244.00	189.00	-0.3684949133
ENSG00000169258	101.50	67.00	-0.5992467267
ENSG00000169260	7.25	10.75	0.5682837596
ENSG00000169271	29.25	156.75	2.4219569132
ENSG00000169282	44.75	38.75	-0.2076913720
ENSG00000169288	225.50	181.50	-0.3131578853
ENSG00000169291	11.25	7.00	-0.6844981743
ENSG00000169297	15.75	2.50	-2.6553518286
ENSG00000169299	286.75	329.25	0.1993899542
ENSG00000169302	50.75	19.25	-1.3985493765
ENSG00000169306	2.50	1.25	-1.0000000000
ENSG00000169313	5.25	2.00	-1.3923174228
ENSG00000169314	20.25	12.75	-0.6674246609
ENSG00000169330	50.75	39.75	-0.3524529619
ENSG00000169340	0.50	1.25	1.3219280949
ENSG00000169347	2.50	1.25	-1.0000000000
ENSG00000169359	821.75	989.75	0.2683646109
ENSG00000169371	530.00	490.00	-0.1132106104
ENSG00000169372	170.00	147.50	-0.2048197919
ENSG00000169375	1383.00	1152.25	-0.2633473888
ENSG00000169379	187.00	232.75	0.3157428977
ENSG00000169398	1969.25	2016.25	0.0340282577
ENSG00000169402	5.75	4.25	-0.4360991148
ENSG00000169403	5.75	6.50	0.1768777621
ENSG00000169410	1055.75	1225.25	0.2148078996
ENSG00000169418	70.75	95.00	0.4251973655
ENSG00000169429	15.75	12.25	-0.3625700794
ENSG00000169432	2854.25	2455.75	-0.2169480050
ENSG00000169435	7.50	5.25	-0.5145731728
ENSG00000169436	1.00	1.50	0.5849625007
ENSG00000169439	1436.75	1689.50	0.2337873013
ENSG00000169442	0.50	0.25	-1.0000000000
ENSG00000169446	674.00	830.50	0.3012315768
ENSG00000169490	1119.25	1017.75	-0.1371490968
ENSG00000169495	20.50	22.50	0.1343010917
ENSG00000169499	1060.50	1157.00	0.1256442436

ENSG00000169504	13682.75	21248.25	0.6349858096
ENSG00000169507	50.25	44.25	-0.1834461411
ENSG00000169515	402.25	247.50	-0.7006638958
ENSG00000169519	375.75	276.25	-0.4437986396
ENSG00000169550	0.75	0.25	-1.5849625007
ENSG00000169551	1.00	0.75	-0.4150374993
ENSG00000169554	4384.00	2995.50	-0.5494509648
ENSG00000169564	3482.00	3288.25	-0.0825962142
ENSG00000169567	1562.75	1628.25	0.0592352242
ENSG00000169570	110.25	110.00	-0.0032751320
ENSG00000169583	37.25	43.50	0.2237749754
ENSG00000169592	709.50	676.00	-0.0697794378
ENSG00000169594	216.75	212.75	-0.0268728615
ENSG00000169598	99.50	80.25	-0.3101951334
ENSG00000169599	432.25	373.50	-0.2107577209
ENSG00000169604	15647.75	15331.50	-0.0294563720
ENSG00000169607	22.50	16.25	-0.4694852833
ENSG00000169609	571.50	463.50	-0.3021841596
ENSG00000169612	274.25	317.25	0.2101285434
ENSG00000169621	143.25	126.25	-0.1822517511
ENSG00000169627	127.25	143.00	0.1683494907
ENSG00000169629	197.50	137.00	-0.5276767601
ENSG00000169635	99.25	109.00	0.1351891276
ENSG00000169641	1661.75	1518.50	-0.1300564454
ENSG00000169660	227.25	189.50	-0.2620824460
ENSG00000169668	13.00	25.25	0.9577717646
ENSG00000169679	50.25	43.75	-0.1998405793
ENSG00000169682	1065.50	868.50	-0.2949328391
ENSG00000169683	183.25	193.75	0.0803831120
ENSG00000169684	9.50	8.75	-0.1186444965
ENSG00000169689	175.25	228.00	0.3796193802
ENSG00000169692	507.00	739.75	0.5450520442
ENSG00000169696	303.50	279.50	-0.1188482334
ENSG00000169710	1498.00	1739.25	0.2154276969
ENSG00000169714	3536.00	3769.75	0.0923505762
ENSG00000169715	219.75	866.50	1.9793365840
ENSG00000169718	583.75	599.50	0.0384091088
ENSG00000169727	1496.00	1504.75	0.0084136415
ENSG00000169733	816.00	823.00	0.0123232785
ENSG00000169738	263.50	901.50	1.7745245298
ENSG00000169740	443.25	363.50	-0.2861652670
ENSG00000169744	1100.75	409.25	-1.4274325225
ENSG00000169750	43.50	102.25	1.2330135371

ENSG00000169752	17.50	3.25	-2.4288432988
ENSG00000169756	1974.00	1552.25	-0.3467610581
ENSG00000169758	28.50	34.50	0.2756344426
ENSG00000169760	59.25	68.00	0.1987195924
ENSG00000169762	332.25	278.25	-0.2558875119
ENSG00000169764	2400.25	4052.50	0.7556275070
ENSG00000169777	1.25	1.00	-0.3219280949
ENSG00000169783	1.50	0.25	-2.5849625007
ENSG00000169813	2777.25	3048.25	0.1343241790
ENSG00000169814	364.50	300.75	-0.2773540772
ENSG00000169826	1344.25	1492.50	0.1509294599
ENSG00000169836	1.50	1.00	-0.5849625007
ENSG00000169851	247.00	320.25	0.3746875288
ENSG00000169855	2827.75	1057.25	-1.4193380175
ENSG00000169856	0.50	0.75	0.5849625007
ENSG00000169857	231.25	326.50	0.4976296261
ENSG00000169860	261.25	186.50	-0.4862554067
ENSG00000169871	2745.25	2972.00	0.1144965796
ENSG00000169876	0.75	0.25	-1.5849625007
ENSG00000169884	3.00	0.25	-3.5849625007
ENSG00000169885	16.75	17.00	0.0213736508
ENSG00000169891	154.75	159.50	0.0436170146
ENSG00000169895	1213.75	1233.75	0.0235787890
ENSG00000169902	2474.50	1540.00	-0.6842066913
ENSG00000169905	1585.25	1712.25	0.1111829834
ENSG00000169908	639.00	1241.25	0.9579058815
ENSG00000169914	205.75	158.75	-0.3741358388
ENSG00000169918	21.00	17.00	-0.3048545815
ENSG00000169919	807.00	809.00	0.0035710292
ENSG00000169925	983.00	926.00	-0.0861792231
ENSG00000169926	406.50	654.75	0.6876888023
ENSG00000169933	42.75	62.25	0.5421494172
ENSG00000169946	654.25	405.25	-0.6910298335
ENSG00000169951	105.75	89.75	-0.2366738193
ENSG00000169953	4.00	2.25	-0.8300749986
ENSG00000169955	204.00	177.00	-0.2048197919
ENSG00000169957	493.50	425.25	-0.2147388488
ENSG00000169962	9.75	8.00	-0.2854022189
ENSG00000169964	197.75	197.00	-0.0054820650
ENSG00000169967	1300.50	1221.00	-0.0910031990
ENSG00000169972	214.50	187.75	-0.1921647400
ENSG00000169976	1011.00	885.00	-0.1920336369
ENSG00000169981	55.25	60.75	0.1369099442

ENSG00000169989	3.25	2.00	-0.7004397181
ENSG00000169991	222.75	154.50	-0.5278185936
ENSG00000169992	2273.50	1848.75	-0.2983648568
ENSG00000169994	18.25	19.75	0.1139561893
ENSG00000170004	9879.75	8046.00	-0.2962027979
ENSG00000170006	72.75	75.00	0.0439433476
ENSG00000170011	5.00	9.75	0.9634741240
ENSG00000170017	4779.75	8269.00	0.7907777082
ENSG00000170027	3089.75	3236.00	0.0667214973
ENSG00000170035	1886.00	1251.25	-0.5919596070
ENSG00000170037	620.00	469.25	-0.4019114704
ENSG00000170043	1403.00	1473.00	0.0702424214
ENSG00000170044	1.25	0.75	-0.7369655942
ENSG00000170049	32.75	26.50	-0.3055025470
ENSG00000170074	1.75	3.00	0.7776075787
ENSG00000170075	4.50	2.75	-0.7104933828
ENSG00000170085	219.50	288.25	0.3930996681
ENSG00000170088	561.00	592.75	0.0794229869
ENSG00000170089	48.25	36.25	-0.4125479473
ENSG00000170091	0.25	0.25	0.0000000000
ENSG00000170092	14.50	8.25	-0.8135868758
ENSG00000170100	173.25	157.25	-0.1397953353
ENSG00000170113	341.75	362.50	0.0850396573
ENSG00000170122	5.50	3.25	-0.7589919005
ENSG00000170142	1775.25	1387.00	-0.3560544191
ENSG00000170144	4029.25	4206.25	0.0620232776
ENSG00000170145	3250.50	3577.00	0.1380884642
ENSG00000170153	340.50	296.75	-0.1984067684
ENSG00000170160	475.25	471.75	-0.0106641090
ENSG00000170165	0.50	0.25	-1.0000000000
ENSG00000170166	1.00	0.50	-1.0000000000
ENSG00000170175	107.00	110.50	0.0464355730
ENSG00000170180	1.50	1.75	0.2223924213
ENSG00000170185	547.50	542.00	-0.0145661131
ENSG00000170190	202.75	208.50	0.0403454692
ENSG00000170191	223.50	170.25	-0.3926200332
ENSG00000170209	1.75	1.50	-0.2223924213
ENSG00000170214	32.25	354.75	3.4594316186
ENSG00000170222	154.50	160.75	0.0572118994
ENSG00000170234	330.00	272.00	-0.2788593730
ENSG00000170236	2.50	3.25	0.3785116233
ENSG00000170242	2556.50	3443.00	0.4294961549
ENSG00000170248	5076.75	4933.00	-0.0414399303

ENSG00000170260	192.75	183.25	-0.0729176618
ENSG00000170262	6.00	6.50	0.1154772174
ENSG00000170264	93.25	90.25	-0.0471767934
ENSG00000170265	545.25	560.75	0.0404398504
ENSG00000170266	2321.00	2046.00	-0.1819403776
ENSG00000170270	38.75	37.25	-0.0569558848
ENSG00000170271	2066.50	2088.50	0.0152777798
ENSG00000170275	8950.00	7853.25	-0.1885978579
ENSG00000170276	123.50	159.50	0.3690453822
ENSG00000170289	0.25	0.75	1.5849625007
ENSG00000170291	399.75	398.25	-0.0054236720
ENSG00000170293	13.25	13.00	-0.0274807364
ENSG00000170296	5564.00	4374.50	-0.3470042918
ENSG00000170310	512.25	493.75	-0.0530673311
ENSG00000170312	69.00	46.50	-0.5693656457
ENSG00000170315	10854.50	7404.00	-0.5519164711
ENSG00000170322	591.25	542.00	-0.1254754269
ENSG00000170323	2.25	19.25	3.0968615393
ENSG00000170324	4.25	6.75	0.6674246609
ENSG00000170325	267.50	199.00	-0.4267704607
ENSG00000170340	229.00	243.50	0.0885741740
ENSG00000170345	55.25	66.50	0.2673798761
ENSG00000170348	6300.00	5875.25	-0.1007015870
ENSG00000170356	99.00	88.50	-0.1617510700
ENSG00000170364	462.75	556.25	0.2655004409
ENSG00000170365	630.75	284.50	-1.1486396487
ENSG00000170370	3.25	3.50	0.1069152039
ENSG00000170373	1.00	1.50	0.5849625007
ENSG00000170379	179.00	259.00	0.5329925104
ENSG00000170381	168.00	185.75	0.1449009778
ENSG00000170382	4.75	3.75	-0.3410369178
ENSG00000170385	1390.00	1470.00	0.0807312721
ENSG00000170390	175.50	245.00	0.4813107187
ENSG00000170396	130.50	121.50	-0.1030934930
ENSG00000170412	34.50	18.25	-0.9186998979
ENSG00000170417	202.25	154.75	-0.3862002932
ENSG00000170419	0.50	0.50	0.0000000000
ENSG00000170421	63.00	68.25	0.1154772174
ENSG00000170425	115.50	84.75	-0.4466075783
ENSG00000170426	1.00	0.25	-2.0000000000
ENSG00000170430	318.75	290.00	-0.1363724417
ENSG00000170439	26.00	9.50	-1.4525122047
ENSG00000170442	2.00	4.00	1.0000000000

ENSG00000170445	1071.25	1021.75	-0.0682529610
ENSG00000170448	221.25	213.00	-0.0548240247
ENSG00000170456	561.00	391.25	-0.5199100188
ENSG00000170458	17.75	29.00	0.7082338756
ENSG00000170464	540.25	446.50	-0.2749669917
ENSG00000170468	193.00	188.75	-0.0321242031
ENSG00000170469	27.75	23.75	-0.2245602580
ENSG00000170471	2128.00	1918.00	-0.1498954305
ENSG00000170473	253.75	233.75	-0.1184414573
ENSG00000170476	3.00	3.00	0.0000000000
ENSG00000170477	1.50	3.50	1.2223924213
ENSG00000170482	9.75	8.75	-0.1561192019
ENSG00000170485	268.00	523.00	0.9645779458
ENSG00000170498	2.25	2.25	0.0000000000
ENSG00000170500	4.25	3.25	-0.3870231231
ENSG00000170502	579.75	601.00	0.0519340761
ENSG00000170509	13.75	11.50	-0.2577977575
ENSG00000170515	1549.75	1564.00	0.0132050087
ENSG00000170522	187.00	265.50	0.5056735909
ENSG00000170525	2515.50	3049.25	0.2776092484
ENSG00000170537	33.50	20.50	-0.7085371858
ENSG00000170540	1470.25	1579.00	0.1029496807
ENSG00000170542	158.50	237.00	0.5804042188
ENSG00000170545	217.50	189.50	-0.1988175526
ENSG00000170558	380.00	285.50	-0.4125086730
ENSG00000170561	52.25	51.75	-0.0138721746
ENSG00000170571	250.50	302.50	0.2721245390
ENSG00000170577	4.50	3.25	-0.4694852833
ENSG00000170579	18.00	14.50	-0.3119440063
ENSG00000170581	7494.50	7757.75	0.0498060534
ENSG00000170584	355.00	664.50	0.9044501749
ENSG00000170604	362.75	269.00	-0.4313694415
ENSG00000170606	3380.00	3282.75	-0.0421183618
ENSG00000170608	0.50	0.50	0.0000000000
ENSG00000170615	2.25	1.75	-0.3625700794
ENSG00000170619	264.75	282.25	0.0923428968
ENSG00000170624	3181.50	1234.75	-1.3654881529
ENSG00000170627	0.75	1.00	0.4150374993
ENSG00000170629	118.00	80.00	-0.5607149545
ENSG00000170631	169.00	129.75	-0.3812887079
ENSG00000170632	481.50	384.25	-0.3254905382
ENSG00000170633	436.50	456.25	0.0638429050
ENSG00000170634	155.50	155.75	0.0023175829

ENSG00000170638	399.00	443.00	0.1509179523
ENSG00000170647	42.75	18.00	-1.2479275134
ENSG00000170653	1425.50	1201.00	-0.2472318882
ENSG00000170667	218.25	145.75	-0.5824857704
ENSG00000170677	548.75	553.25	0.0117825114
ENSG00000170681	47.25	51.25	0.1172376753
ENSG00000170684	4.00	7.25	0.8579809951
ENSG00000170689	0.50	0.25	-1.0000000000
ENSG00000170703	8.00	12.00	0.5849625007
ENSG00000170734	954.75	668.75	-0.5136560284
ENSG00000170743	1.75	1.75	0.0000000000
ENSG00000170745	58.75	110.75	0.9146459420
ENSG00000170759	3916.75	5294.25	0.4347692757
ENSG00000170775	115.00	288.75	1.3281870854
ENSG00000170776	2513.50	3378.75	0.4267919177
ENSG00000170779	104.50	87.00	-0.2644156362
ENSG00000170788	1.25	0.75	-0.7369655942
ENSG00000170791	322.00	473.00	0.5547794952
ENSG00000170801	1226.75	937.25	-0.3883354458
ENSG00000170802	212.75	396.25	0.8972518033
ENSG00000170827	5.25	6.00	0.1926450779
ENSG00000170832	1504.75	1550.25	0.0429770727
ENSG00000170835	25.00	20.00	-0.3219280949
ENSG00000170836	545.75	318.75	-0.7758148832
ENSG00000170837	0.50	0.50	0.0000000000
ENSG00000170848	16.00	4.25	-1.9125371587
ENSG00000170852	619.25	623.50	0.0098675966
ENSG00000170854	617.00	403.25	-0.6135959560
ENSG00000170855	383.00	297.25	-0.3656675822
ENSG00000170860	475.00	373.25	-0.3477852531
ENSG00000170871	1418.25	1271.50	-0.1575804020
ENSG00000170873	736.00	2438.25	1.7280683854
ENSG00000170876	3546.75	4121.75	0.2167593600
ENSG00000170881	822.25	746.50	-0.1394348427
ENSG00000170889	564.50	518.50	-0.1226295920
ENSG00000170890	1.50	1.25	-0.2630344058
ENSG00000170891	39.00	61.25	0.6512357201
ENSG00000170892	116.50	113.75	-0.0344634096
ENSG00000170899	569.75	310.50	-0.8757357510
ENSG00000170903	510.25	500.00	-0.0292761824
ENSG00000170906	56.50	42.00	-0.4278615396
ENSG00000170909	15.25	28.75	0.9147527134
ENSG00000170915	215.25	176.50	-0.2863450541

ENSG00000170917	147.00	94.50	-0.6374299206
ENSG00000170921	1656.00	2967.50	0.8415453570
ENSG00000170927	1.25	1.75	0.4854268272
ENSG00000170946	220.25	221.00	0.0049043505
ENSG00000170949	810.25	791.25	-0.0342335210
ENSG00000170954	190.00	147.00	-0.3701832635
ENSG00000170955	969.00	981.25	0.0181240833
ENSG00000170959	9.00	7.75	-0.2157286911
ENSG00000170961	450.50	423.75	-0.0883137378
ENSG00000170962	2222.25	2784.00	0.3251380842
ENSG00000170965	10.50	1.00	-3.3923174228
ENSG00000170989	394.50	139.00	-1.5049404173
ENSG00000171016	526.25	397.50	-0.4047934678
ENSG00000171017	81.50	86.75	0.0900636983
ENSG00000171033	398.00	144.00	-1.4666996191
ENSG00000171044	15.25	14.50	-0.0727563424
ENSG00000171045	186.75	174.50	-0.0978812066
ENSG00000171049	1.75	3.00	0.7776075787
ENSG00000171051	0.75	6.00	3.0000000000
ENSG00000171055	1360.25	1289.50	-0.0770600553
ENSG00000171056	7.00	5.00	-0.4854268272
ENSG00000171060	0.25	0.50	1.0000000000
ENSG00000171067	987.50	988.50	0.0014602178
ENSG00000171084	37.75	21.50	-0.8121399846
ENSG00000171094	3.50	1.75	-1.0000000000
ENSG00000171097	87.00	54.00	-0.6880559937
ENSG00000171100	232.00	210.75	-0.1385921742
ENSG00000171101	0.25	0.75	1.5849625007
ENSG00000171103	159.75	161.25	0.0134832294
ENSG00000171105	596.25	748.75	0.3285667368
ENSG00000171109	937.00	973.25	0.0547613917
ENSG00000171115	0.25	0.25	0.0000000000
ENSG00000171116	19.00	16.25	-0.2255597004
ENSG00000171119	6.75	9.50	0.4930400113
ENSG00000171121	51.00	44.75	-0.1886095647
ENSG00000171124	1.75	2.25	0.3625700794
ENSG00000171126	0.25	0.25	0.0000000000
ENSG00000171130	352.00	274.00	-0.3613995357
ENSG00000171132	596.00	250.25	-1.2519422616
ENSG00000171135	437.75	511.00	0.2232161125
ENSG00000171148	1793.00	1931.75	0.1075329097
ENSG00000171150	1648.00	1087.00	-0.6003643022
ENSG00000171155	480.25	623.00	0.3754465494

ENSG00000171159	518.75	484.50 -0.0985427657
ENSG00000171160	188.50	132.75 -0.5058526625
ENSG00000171161	306.25	244.50 -0.3248753789
ENSG00000171163	323.75	220.00 -0.5573766690
ENSG00000171169	181.00	160.25 -0.1756653405
ENSG00000171174	44.00	27.25 -0.6912472939
ENSG00000171189	30.25	109.75 1.8592138923
ENSG00000171202	193.50	202.00 0.0620217266
ENSG00000171204	575.75	424.00 -0.4413782412
ENSG00000171206	2832.50	2563.00 -0.1442424774
ENSG00000171208	77.50	58.75 -0.3996074587
ENSG00000171217	5.50	4.00 -0.4594316186
ENSG00000171219	9.50	21.50 1.1783372413
ENSG00000171222	419.75	416.75 -0.0103481260
ENSG00000171223	925.25	857.75 -0.1092860097
ENSG00000171224	13.75	9.25 -0.5719063479
ENSG00000171227	21.50	6.75 -1.6713772525
ENSG00000171234	1.75	1.00 -0.8073549221
ENSG00000171236	5.25	4.00 -0.3923174228
ENSG00000171241	69.00	46.50 -0.5693656457
ENSG00000171243	4.00	1.50 -1.4150374993
ENSG00000171246	25.75	14.25 -0.8536105130
ENSG00000171262	547.50	592.75 0.1145647930
ENSG00000171291	97.25	109.25 0.1678631245
ENSG00000171295	187.50	154.00 -0.2839602447
ENSG00000171298	3254.75	2938.00 -0.1477123372
ENSG00000171302	1527.00	1390.50 -0.1350963175
ENSG00000171303	5.50	12.50 1.1844245711
ENSG00000171307	808.25	856.00 0.0828091943
ENSG00000171310	116.75	115.50 -0.0155296983
ENSG00000171311	356.00	271.25 -0.3922541036
ENSG00000171314	6687.50	6633.25 -0.0117510859
ENSG00000171316	8.75	29.00 1.7286979782
ENSG00000171320	14.75	12.50 -0.2387868596
ENSG00000171345	21.75	22.50 0.0489096005
ENSG00000171346	5.25	1.25 -2.0703893279
ENSG00000171357	61.50	42.00 -0.5501970826
ENSG00000171365	315.25	368.00 0.2232093957
ENSG00000171368	2.50	7.25 1.5360529002
ENSG00000171385	72.50	192.75 1.4106779599
ENSG00000171388	220.25	126.00 -0.8057182854
ENSG00000171405	1.00	1.75 0.8073549221
ENSG00000171408	1140.75	899.00 -0.3435896329

ENSG00000171421	260.00	274.75	0.0796078579
ENSG00000171425	364.50	286.25	-0.3486431213
ENSG00000171428	87.25	83.00	-0.0720437949
ENSG00000171435	1.50	2.75	0.8744691179
ENSG00000171443	140.75	104.25	-0.4330875386
ENSG00000171444	1264.25	1178.75	-0.1010240076
ENSG00000171448	237.50	191.50	-0.3105831213
ENSG00000171450	1.00	0.50	-1.0000000000
ENSG00000171451	2563.00	2151.50	-0.2524906383
ENSG00000171453	229.00	239.75	0.0661832169
ENSG00000171456	2088.25	2201.75	0.0763562278
ENSG00000171462	16.75	20.50	0.2914628142
ENSG00000171466	497.25	419.25	-0.2461605873
ENSG00000171467	927.25	635.75	-0.5444988058
ENSG00000171469	813.50	498.25	-0.7072725408
ENSG00000171475	1087.00	1044.75	-0.0571941817
ENSG00000171476	17.00	11.75	-0.5328739896
ENSG00000171488	304.75	264.50	-0.2043584985
ENSG00000171489	0.50	0.25	-1.0000000000
ENSG00000171490	2359.25	2150.00	-0.1339916433
ENSG00000171492	704.75	401.00	-0.8135093361
ENSG00000171496	3.25	2.75	-0.2410080995
ENSG00000171497	726.75	532.50	-0.4486776410
ENSG00000171502	115.25	52.50	-1.1343774228
ENSG00000171503	1153.50	810.50	-0.5091339132
ENSG00000171509	59.75	15.75	-1.9235868845
ENSG00000171517	12.75	10.00	-0.3504972471
ENSG00000171522	385.25	389.75	0.0167540662
ENSG00000171530	1007.00	961.25	-0.0670800852
ENSG00000171532	0.75	1.50	1.0000000000
ENSG00000171533	43.75	47.50	0.1186444965
ENSG00000171552	1974.25	2037.50	0.0454953690
ENSG00000171566	1258.00	1184.75	-0.0865492612
ENSG00000171570	52.25	38.00	-0.4594316186
ENSG00000171574	197.75	245.00	0.3091040545
ENSG00000171596	7.75	13.75	0.8271634031
ENSG00000171603	6522.00	7562.25	0.2135011030
ENSG00000171604	885.75	557.25	-0.6685748489
ENSG00000171606	385.00	279.75	-0.4607203146
ENSG00000171608	331.50	495.75	0.5806039021
ENSG00000171612	64.25	76.00	0.2423029642
ENSG00000171617	1128.75	518.75	-1.1216146512
ENSG00000171621	831.25	706.00	-0.2356142520

ENSG00000171631	5.25	8.25	0.6520766966
ENSG00000171634	2134.25	1978.75	-0.1091398289
ENSG00000171649	151.00	116.00	-0.3804237442
ENSG00000171657	7.50	5.25	-0.5145731728
ENSG00000171658	83.00	57.25	-0.5358356432
ENSG00000171659	0.25	0.50	1.0000000000
ENSG00000171680	196.75	117.25	-0.7467757130
ENSG00000171681	1306.50	920.25	-0.5056093749
ENSG00000171695	1.25	0.25	-2.3219280949
ENSG00000171700	117.00	123.75	0.0809199954
ENSG00000171703	625.50	547.50	-0.1921509197
ENSG00000171714	1.75	3.50	1.0000000000
ENSG00000171720	995.25	882.75	-0.1730540503
ENSG00000171723	236.25	179.50	-0.3963304853
ENSG00000171724	23.00	9.25	-1.3141085904
ENSG00000171729	208.50	171.00	-0.2860510586
ENSG00000171735	299.00	283.00	-0.0793434314
ENSG00000171747	2.75	3.00	0.1255308821
ENSG00000171757	57.75	59.75	0.0491177666
ENSG00000171763	116.25	127.50	0.1332665309
ENSG00000171766	1.25	1.50	0.2630344058
ENSG00000171772	2.00	2.50	0.3219280949
ENSG00000171773	2.50	1.25	-1.0000000000
ENSG00000171777	3.25	3.75	0.2064508775
ENSG00000171786	1.25	1.25	0.0000000000
ENSG00000171790	11.50	23.00	1.0000000000
ENSG00000171791	215.25	166.50	-0.3704910603
ENSG00000171792	473.00	263.00	-0.8467773840
ENSG00000171793	364.75	994.25	1.4467006789
ENSG00000171798	68.75	30.00	-1.1963972128
ENSG00000171804	1.50	1.50	0.0000000000
ENSG00000171806	87.50	62.25	-0.4912091798
ENSG00000171811	15.00	10.25	-0.5493385910
ENSG00000171812	580.00	530.00	-0.1300605406
ENSG00000171813	139.75	108.25	-0.3684812581
ENSG00000171815	16.25	18.75	0.2064508775
ENSG00000171817	66.75	26.50	-1.3327754771
ENSG00000171819	9.00	427.25	5.5690116802
ENSG00000171823	129.50	124.75	-0.0539122823
ENSG00000171824	1309.75	1769.00	0.4336425860
ENSG00000171827	228.25	186.00	-0.2953122389
ENSG00000171840	36.00	33.25	-0.1146425659
ENSG00000171843	529.50	502.75	-0.0747895077

ENSG00000171847	18.25	10.75 -0.7635598042
ENSG00000171848	72.50	61.25 -0.2432711510
ENSG00000171853	705.25	615.25 -0.1969620081
ENSG00000171858	2562.25	2492.25 -0.0399624533
ENSG00000171860	1.00	0.50 -1.0000000000
ENSG00000171861	146.75	156.50 0.0928021538
ENSG00000171862	475.00	274.00 -0.7937516203
ENSG00000171863	8019.25	7731.25 -0.0527656249
ENSG00000171864	5.75	2.75 -1.0641303374
ENSG00000171865	465.25	505.50 0.1197049418
ENSG00000171867	10198.25	8085.25 -0.3349573214
ENSG00000171872	3.00	5.50 0.8744691179
ENSG00000171873	23.25	24.00 0.0458036896
ENSG00000171877	126.00	59.25 -1.0885366746
ENSG00000171903	3.00	5.00 0.7369655942
ENSG00000171914	1515.75	1125.25 -0.4297862577
ENSG00000171916	0.25	0.50 1.0000000000
ENSG00000171928	591.75	650.75 0.1371156057
ENSG00000171931	4.00	5.00 0.3219280949
ENSG00000171940	697.25	768.50 0.1403692307
ENSG00000171943	1104.50	704.50 -0.6487218070
ENSG00000171951	63.00	90.00 0.5145731728
ENSG00000171953	180.75	154.25 -0.2287251578
ENSG00000171960	201.25	178.75 -0.1710455413
ENSG00000171962	89.25	72.00 -0.3098552626
ENSG00000171970	61.00	41.75 -0.5470330451
ENSG00000171984	23.00	18.75 -0.2947432656
ENSG00000171988	1707.50	1457.50 -0.2283896951
ENSG00000171989	1.25	1.75 0.4854268272
ENSG00000171992	5625.00	4274.75 -0.3960130469
ENSG00000172000	17.00	17.25 0.0210616155
ENSG00000172005	1.50	0.50 -1.5849625007
ENSG00000172006	112.25	103.75 -0.1136041085
ENSG00000172007	244.75	195.00 -0.3278347359
ENSG00000172009	439.50	433.75 -0.0189994077
ENSG00000172014	3.50	1.25 -1.4854268272
ENSG00000172020	9.75	5.75 -0.7618402628
ENSG00000172031	13.50	9.00 -0.5849625007
ENSG00000172037	13899.00	11558.50 -0.2660269034
ENSG00000172046	1454.25	1281.00 -0.1830048285
ENSG00000172053	3736.75	3350.00 -0.1576229507
ENSG00000172057	1704.25	1550.50 -0.1364034571
ENSG00000172058	13.50	15.75 0.2223924213

ENSG00000172059	478.00	346.50	-0.4641552658
ENSG00000172061	381.50	71.75	-2.4106323202
ENSG00000172062	49.25	53.50	0.1194151669
ENSG00000172071	557.00	531.75	-0.0669291994
ENSG00000172081	836.25	1080.50	0.3696928613
ENSG00000172086	891.75	936.50	0.0706396838
ENSG00000172113	283.50	227.00	-0.3206564377
ENSG00000172115	686.50	802.50	0.2252416719
ENSG00000172123	330.75	494.25	0.5794998095
ENSG00000172137	19.00	9.75	-0.9625252946
ENSG00000172139	2.50	0.75	-1.7369655942
ENSG00000172156	668.00	601.50	-0.1512833653
ENSG00000172159	47.00	39.00	-0.2691866328
ENSG00000172164	624.00	830.25	0.4119997886
ENSG00000172167	58.00	40.50	-0.5181309922
ENSG00000172171	131.75	134.25	0.0271191263
ENSG00000172172	323.50	327.75	0.0188300682
ENSG00000172175	910.50	1206.25	0.4057980201
ENSG00000172179	0.50	0.50	0.0000000000
ENSG00000172183	52.25	57.00	0.1255308821
ENSG00000172197	45.75	34.00	-0.4282369970
ENSG00000172201	59.00	57.50	-0.0371529984
ENSG00000172215	6.75	4.75	-0.5069599887
ENSG00000172216	955.50	1186.50	0.3123843222
ENSG00000172232	2.00	1.50	-0.4150374993
ENSG00000172239	1633.25	1430.75	-0.1909740329
ENSG00000172243	14.00	10.25	-0.4498029174
ENSG00000172244	43.25	31.25	-0.4688439430
ENSG00000172247	2.75	3.25	0.2410080995
ENSG00000172260	863.75	2048.75	1.2460582387
ENSG00000172262	500.50	491.25	-0.0269126617
ENSG00000172264	65.00	53.25	-0.2876581928
ENSG00000172269	534.25	600.00	0.1674474978
ENSG00000172270	7799.00	7453.75	-0.0653227196
ENSG00000172273	322.25	255.00	-0.3376831115
ENSG00000172292	632.25	821.75	0.3782044194
ENSG00000172296	267.50	146.75	-0.8661783882
ENSG00000172297	4.50	5.00	0.1520030934
ENSG00000172301	1037.00	637.75	-0.7013529952
ENSG00000172315	413.00	427.50	0.0497826384
ENSG00000172318	31.50	66.00	1.0671141959
ENSG00000172331	778.25	520.75	-0.5796427374
ENSG00000172336	213.25	202.75	-0.0728438271

ENSG00000172339	169.00	155.75	-0.1177910833
ENSG00000172340	1473.25	1310.75	-0.1686097203
ENSG00000172345	788.25	437.50	-0.8493702480
ENSG00000172346	880.25	606.75	-0.5368111187
ENSG00000172348	860.75	220.00	-1.9680907520
ENSG00000172349	632.00	1167.75	0.8857349816
ENSG00000172350	13.75	6.75	-1.0264722114
ENSG00000172354	2366.25	2943.75	0.3150526488
ENSG00000172361	21.50	14.50	-0.5682837596
ENSG00000172362	0.25	1.25	2.3219280949
ENSG00000172365	1.00	0.75	-0.4150374993
ENSG00000172366	120.00	117.50	-0.0303736490
ENSG00000172375	168.50	177.75	0.0771009684
ENSG00000172379	1441.75	1958.00	0.4415597425
ENSG00000172380	8950.25	8551.50	-0.0657504784
ENSG00000172382	39.25	47.25	0.2676216753
ENSG00000172399	6.75	26.75	1.9865794842
ENSG00000172403	4747.50	14443.75	1.6052054492
ENSG00000172404	3.00	2.50	-0.2630344058
ENSG00000172409	206.75	215.00	0.0564493304
ENSG00000172410	0.50	0.25	-1.0000000000
ENSG00000172421	1.25	1.00	-0.3219280949
ENSG00000172425	3.50	3.50	0.0000000000
ENSG00000172426	23.75	18.50	-0.3604022427
ENSG00000172428	361.00	387.75	0.1031279441
ENSG00000172432	981.00	790.50	-0.3114876739
ENSG00000172456	260.50	170.00	-0.6157486261
ENSG00000172458	159.75	128.75	-0.3112434989
ENSG00000172460	4.00	6.75	0.7548875022
ENSG00000172461	1.75	2.00	0.1926450779
ENSG00000172465	319.00	574.50	0.8487504689
ENSG00000172466	1111.00	1086.00	-0.0328347136
ENSG00000172468	0.50	1.50	1.5849625007
ENSG00000172469	504.50	491.75	-0.0369292168
ENSG00000172476	46.25	78.00	0.7540207583
ENSG00000172478	1.00	0.25	-2.0000000000
ENSG00000172482	2.00	2.25	0.1699250014
ENSG00000172493	1411.50	1121.75	-0.3314779448
ENSG00000172497	38.50	10.00	-1.9448584458
ENSG00000172500	933.00	915.25	-0.0277112125
ENSG00000172508	25.25	11.75	-1.1036226311
ENSG00000172530	250.00	169.50	-0.5606428215
ENSG00000172531	1124.00	1342.25	0.2560113693

ENSG00000172534	1715.75	1638.75	-0.0662435742
ENSG00000172543	5.75	2.25	-1.3536369546
ENSG00000172548	3.00	2.75	-0.1255308821
ENSG00000172554	1.00	0.25	-2.0000000000
ENSG00000172572	202.75	159.25	-0.3484085420
ENSG00000172575	4.50	7.50	0.7369655942
ENSG00000172578	21.50	13.50	-0.6713772525
ENSG00000172586	228.50	252.25	0.1426601040
ENSG00000172590	389.50	341.75	-0.1886819905
ENSG00000172594	2098.50	2350.50	0.1636092173
ENSG00000172602	7.25	13.75	0.9233787184
ENSG00000172613	149.50	142.00	-0.0742545547
ENSG00000172638	6531.50	5782.00	-0.1758457450
ENSG00000172640	0.75	1.00	0.4150374993
ENSG00000172650	110.25	79.00	-0.4808540974
ENSG00000172661	3029.25	2890.25	-0.0677663588
ENSG00000172663	282.75	254.75	-0.1504448778
ENSG00000172667	5319.50	3588.25	-0.5680102387
ENSG00000172671	106.50	94.50	-0.1724671960
ENSG00000172673	0.50	1.00	1.0000000000
ENSG00000172687	69.50	71.00	0.0308060468
ENSG00000172689	1.25	2.25	0.8479969066
ENSG00000172716	1204.00	1053.25	-0.1929874762
ENSG00000172717	1.25	1.25	0.0000000000
ENSG00000172725	1901.25	2280.50	0.2624019222
ENSG00000172728	299.75	284.25	-0.0765994045
ENSG00000172731	252.75	186.25	-0.4404706666
ENSG00000172732	457.25	545.25	0.2539346949
ENSG00000172733	44.00	37.75	-0.2210268793
ENSG00000172738	84.75	25.50	-1.7327161212
ENSG00000172746	0.25	0.25	0.0000000000
ENSG00000172748	144.00	106.75	-0.4318327418
ENSG00000172752	6.50	2.50	-1.3785116233
ENSG00000172757	9282.25	11145.75	0.2639472397
ENSG00000172765	550.50	508.25	-0.1152042537
ENSG00000172766	309.50	279.00	-0.1496742874
ENSG00000172771	24.00	23.50	-0.0303736490
ENSG00000172775	1063.00	965.75	-0.1384199193
ENSG00000172780	157.25	209.75	0.4156107936
ENSG00000172782	8.75	10.25	0.2282689877
ENSG00000172785	326.50	338.75	0.0531379547
ENSG00000172789	3.50	1.75	-1.0000000000
ENSG00000172794	8.00	7.50	-0.0931094044

ENSG00000172795	425.50	501.25	0.2363711997
ENSG00000172799	0.75	0.25	-1.5849625007
ENSG00000172803	64.25	46.75	-0.4587300893
ENSG00000172809	4115.00	3728.00	-0.1424905707
ENSG00000172817	13.50	21.25	0.6545034340
ENSG00000172818	0.50	0.25	-1.0000000000
ENSG00000172819	1565.00	1125.75	-0.4752761795
ENSG00000172824	83.50	94.75	0.1823497457
ENSG00000172828	28.00	21.00	-0.4150374993
ENSG00000172830	849.50	895.50	0.0760794848
ENSG00000172831	1694.75	1050.25	-0.6903396850
ENSG00000172840	343.00	436.50	0.3477730775
ENSG00000172845	2062.00	1588.75	-0.3761522075
ENSG00000172850	39.00	28.25	-0.4652232564
ENSG00000172869	1310.00	1266.75	-0.0484349829
ENSG00000172878	174.50	138.50	-0.3333410602
ENSG00000172888	1047.00	915.50	-0.1936296511
ENSG00000172889	92.50	81.25	-0.1870855526
ENSG00000172890	1501.00	1516.00	0.0143457766
ENSG00000172893	300.00	209.50	-0.5180122568
ENSG00000172900	6.50	4.75	-0.4525122047
ENSG00000172901	30.50	14.00	-1.1233824155
ENSG00000172915	355.75	291.25	-0.2886057070
ENSG00000172922	496.25	455.75	-0.1228244460
ENSG00000172927	7.00	3.75	-0.9004643264
ENSG00000172932	356.50	361.25	0.0190955109
ENSG00000172935	2729.00	3654.25	0.4212029425
ENSG00000172936	880.50	784.75	-0.1660898802
ENSG00000172938	0.50	1.00	1.0000000000
ENSG00000172939	1106.25	1405.00	0.3448926753
ENSG00000172940	0.25	0.50	1.0000000000
ENSG00000172943	615.25	639.50	0.0557716064
ENSG00000172954	705.25	1084.25	0.6204907773
ENSG00000172955	33.25	58.75	0.8212345111
ENSG00000172967	0.75	0.25	-1.5849625007
ENSG00000172969	0.75	2.50	1.7369655942
ENSG00000172971	2.75	1.50	-0.8744691179
ENSG00000172974	2.25	3.75	0.7369655942
ENSG00000172977	537.00	529.25	-0.0209727240
ENSG00000172985	611.25	1060.00	0.7942297996
ENSG00000172986	1247.50	346.00	-1.8501958726
ENSG00000172987	1.00	2.50	1.3219280949
ENSG00000172992	619.25	481.25	-0.3637354228

ENSG00000173011	511.00	434.50	-0.2339671141
ENSG00000173013	35.50	30.75	-0.2072326142
ENSG00000173020	701.50	756.75	0.1093736662
ENSG00000173039	1389.25	1490.50	0.1014901350
ENSG00000173040	441.00	497.75	0.1746426602
ENSG00000173041	89.00	78.00	-0.1903312121
ENSG00000173064	1552.50	1203.50	-0.3673571266
ENSG00000173065	327.75	398.00	0.2801726503
ENSG00000173068	4002.50	1907.00	-1.0695965591
ENSG00000173077	13.25	10.25	-0.3703684499
ENSG00000173083	34.75	78.00	1.1664611461
ENSG00000173085	130.00	173.75	0.4185013546
ENSG00000173088	25.75	13.25	-0.9585800726
ENSG00000173110	24.25	3.75	-2.6930222466
ENSG00000173113	1051.75	1047.75	-0.0054972966
ENSG00000173114	93.75	39.50	-1.2469660372
ENSG00000173120	2759.00	2264.25	-0.2851121991
ENSG00000173124	1.50	2.25	0.5849625007
ENSG00000173137	119.25	110.50	-0.1099428966
ENSG00000173141	352.50	288.25	-0.2903026496
ENSG00000173145	368.75	372.00	0.0126595720
ENSG00000173153	322.00	325.50	0.0155968551
ENSG00000173156	269.50	278.25	0.0460964146
ENSG00000173163	462.50	370.25	-0.3209536301
ENSG00000173166	1767.75	1655.75	-0.0944294011
ENSG00000173171	1339.50	1205.50	-0.1520629302
ENSG00000173175	47.50	44.00	-0.1104239897
ENSG00000173193	1661.50	1290.75	-0.3642766949
ENSG00000173198	79.50	83.50	0.0708213372
ENSG00000173200	78.00	60.50	-0.3665389816
ENSG00000173207	238.25	173.00	-0.4617041763
ENSG00000173208	1.00	0.50	-1.0000000000
ENSG00000173209	1669.00	1589.25	-0.0706378663
ENSG00000173210	2654.25	1948.25	-0.4461254461
ENSG00000173212	10.75	10.50	-0.0339473319
ENSG00000173214	98.00	100.50	0.0363418471
ENSG00000173218	757.75	723.50	-0.0667289303
ENSG00000173221	1314.75	2435.50	0.8894294864
ENSG00000173226	249.25	210.50	-0.2437732713
ENSG00000173227	14.50	7.50	-0.9510903995
ENSG00000173230	5240.50	4566.75	-0.1985366533
ENSG00000173253	0.50	0.75	0.5849625007
ENSG00000173258	38.00	22.00	-0.7884958948

ENSG00000173261	2.00	0.50	-2.0000000000
ENSG00000173262	5.25	7.25	0.4656635723
ENSG00000173264	594.50	607.00	0.0300197065
ENSG00000173267	22.75	14.75	-0.6251515908
ENSG00000173269	60.75	32.25	-0.9135852482
ENSG00000173272	402.50	387.50	-0.0547924728
ENSG00000173273	2152.50	1806.00	-0.2532153448
ENSG00000173275	383.25	331.75	-0.2081893263
ENSG00000173276	271.25	346.75	0.3542727450
ENSG00000173281	759.75	921.00	0.2776763866
ENSG00000173295	86.75	74.25	-0.2244727318
ENSG00000173320	111.50	59.25	-0.9121566510
ENSG00000173327	539.75	596.75	0.1448353231
ENSG00000173334	189.00	154.50	-0.2907793963
ENSG00000173338	3.25	1.75	-0.8930847961
ENSG00000173366	2.50	5.25	1.0703893279
ENSG00000173376	102.50	66.75	-0.6187841678
ENSG00000173389	0.50	0.75	0.5849625007
ENSG00000173391	63.00	66.25	0.0725686260
ENSG00000173401	8.25	6.75	-0.2895066172
ENSG00000173402	2737.50	3059.00	0.1602011422
ENSG00000173406	49.50	20.50	-1.2718046155
ENSG00000173409	244.50	224.75	-0.1215133494
ENSG00000173418	562.75	720.50	0.3565042787
ENSG00000173421	53.50	36.25	-0.5615578964
ENSG00000173432	0.25	4.25	4.0874628413
ENSG00000173436	617.00	722.50	0.2277270982
ENSG00000173442	1366.00	1393.50	0.0287555188
ENSG00000173451	154.00	130.25	-0.2416469784
ENSG00000173452	0.75	0.50	-0.5849625007
ENSG00000173456	969.50	1070.00	0.1422979932
ENSG00000173457	701.00	571.25	-0.2952921841
ENSG00000173465	389.00	330.00	-0.2373041307
ENSG00000173473	1753.50	1383.25	-0.3421755068
ENSG00000173480	223.50	169.50	-0.3989895580
ENSG00000173482	3031.00	3387.75	0.1605335624
ENSG00000173486	587.00	596.75	0.0237661580
ENSG00000173511	1818.25	1759.00	-0.0477950935
ENSG00000173517	5773.50	10771.00	0.8996341217
ENSG00000173530	1706.00	1569.00	-0.1207722944
ENSG00000173531	343.25	302.25	-0.1835173809
ENSG00000173535	149.25	103.00	-0.5350865941
ENSG00000173540	426.50	367.75	-0.2138204001

ENSG00000173542	893.25	847.50	-0.0758506406
ENSG00000173545	497.00	586.75	0.2395000850
ENSG00000173546	1310.25	802.50	-0.7072688116
ENSG00000173548	2791.75	3244.00	0.2166040649
ENSG00000173559	3076.00	2993.25	-0.0393427237
ENSG00000173567	22.25	17.00	-0.3882705897
ENSG00000173575	2963.25	2810.75	-0.0762252070
ENSG00000173578	3.00	6.75	1.1699250014
ENSG00000173581	269.00	231.75	-0.2150368339
ENSG00000173588	232.50	174.25	-0.4160720601
ENSG00000173597	153.50	123.00	-0.3195803400
ENSG00000173598	2303.25	3457.75	0.5861625509
ENSG00000173599	558.50	718.75	0.3639327702
ENSG00000173610	2.00	1.00	-1.0000000000
ENSG00000173611	828.50	506.75	-0.7092275138
ENSG00000173614	392.50	311.25	-0.3346188168
ENSG00000173621	253.00	345.50	0.4495483257
ENSG00000173626	25.50	23.25	-0.1332665309
ENSG00000173638	102.25	114.50	0.1632467552
ENSG00000173641	529.50	661.00	0.3200195875
ENSG00000173653	138.50	130.50	-0.0858361695
ENSG00000173660	1424.50	1297.75	-0.1344431339
ENSG00000173662	4.75	4.75	0.0000000000
ENSG00000173674	1619.75	1872.75	0.2093871642
ENSG00000173678	5.00	4.75	-0.0740005814
ENSG00000173681	369.25	336.50	-0.1339914162
ENSG00000173692	2589.75	2523.50	-0.0373867483
ENSG00000173698	18.75	18.00	-0.0588936891
ENSG00000173699	0.25	0.25	0.0000000000
ENSG00000173702	1.50	0.50	-1.5849625007
ENSG00000173705	71.50	116.25	0.7012155692
ENSG00000173706	10221.25	14790.25	0.5330747982
ENSG00000173714	5.75	5.00	-0.2016338612
ENSG00000173715	77.75	82.50	0.0855514441
ENSG00000173726	3076.00	2886.25	-0.0918592353
ENSG00000173728	0.50	0.75	0.5849625007
ENSG00000173744	1727.25	2067.00	0.2590614769
ENSG00000173757	1393.25	1788.75	0.3604976135
ENSG00000173762	8.25	11.75	0.5101947323
ENSG00000173786	2503.75	2573.00	0.0393609410
ENSG00000173801	244.25	250.25	0.0350115069
ENSG00000173805	8.50	5.50	-0.6280312226
ENSG00000173809	8.00	5.75	-0.4764380439

ENSG00000173812	6561.25	6397.50	-0.0364624502
ENSG00000173818	440.50	374.00	-0.2361037490
ENSG00000173821	6339.25	6492.00	0.0343508354
ENSG00000173825	2.00	1.75	-0.1926450779
ENSG00000173826	4.50	1.75	-1.3625700794
ENSG00000173838	12.50	122.25	3.2898344652
ENSG00000173846	234.00	178.75	-0.3885652879
ENSG00000173848	503.00	412.75	-0.2852901849
ENSG00000173852	1656.50	1379.75	-0.2637313179
ENSG00000173868	0.25	0.75	1.5849625007
ENSG00000173875	524.00	549.75	0.0692088873
ENSG00000173889	1791.50	1724.00	-0.0554082691
ENSG00000173890	26.75	30.00	0.1654236092
ENSG00000173894	39.50	39.25	-0.0091599993
ENSG00000173898	24.00	18.75	-0.3561438102
ENSG00000173905	3119.00	2303.75	-0.4370993869
ENSG00000173914	415.75	247.25	-0.7497457425
ENSG00000173915	609.50	711.25	0.2227305266
ENSG00000173917	225.50	240.50	0.0929094605
ENSG00000173918	643.25	1436.75	1.1593575921
ENSG00000173926	63.50	60.00	-0.0817940912
ENSG00000173928	28.00	24.25	-0.2074420799
ENSG00000173930	9.75	5.25	-0.8930847961
ENSG00000173933	1473.00	1316.00	-0.1625979413
ENSG00000173947	118.50	45.75	-1.3730434106
ENSG00000173950	471.00	420.00	-0.1653377319
ENSG00000173960	635.50	698.50	0.1363679904
ENSG00000173976	0.75	0.75	0.0000000000
ENSG00000173988	2.25	2.25	0.0000000000
ENSG00000173991	8.25	6.50	-0.3439544012
ENSG00000173992	627.75	492.25	-0.3507989174
ENSG00000174004	9.25	7.75	-0.2552570552
ENSG00000174007	100.25	96.25	-0.0587437909
ENSG00000174010	262.25	235.50	-0.1552157130
ENSG00000174013	179.25	164.25	-0.1260797484
ENSG00000174021	1094.00	1261.25	0.2052415312
ENSG00000174028	208.25	224.50	0.1083989494
ENSG00000174032	349.25	293.75	-0.2496712640
ENSG00000174038	4.75	3.00	-0.6629650127
ENSG00000174059	108.25	93.75	-0.2074764293
ENSG00000174080	2178.75	2088.25	-0.0612062263
ENSG00000174099	2501.25	3789.25	0.5992630643
ENSG00000174106	594.00	580.00	-0.0344100308

ENSG00000174109	70.00	73.00	0.0605415419
ENSG00000174123	3.75	4.00	0.0931094044
ENSG00000174125	80.75	69.00	-0.2268658979
ENSG00000174130	49.00	33.25	-0.5594274086
ENSG00000174132	142.25	176.00	0.3071467763
ENSG00000174136	3667.00	1714.75	-1.0966020104
ENSG00000174137	31.00	31.50	0.0230836131
ENSG00000174151	450.75	476.25	0.0793916009
ENSG00000174165	431.25	407.00	-0.0834956623
ENSG00000174173	232.25	234.00	0.0108299332
ENSG00000174177	192.75	171.50	-0.1685222837
ENSG00000174197	892.25	761.25	-0.2290776733
ENSG00000174206	97.75	80.25	-0.2845953102
ENSG00000174225	1.25	2.00	0.6780719051
ENSG00000174226	0.75	0.50	-0.5849625007
ENSG00000174227	1077.50	1078.75	0.0016726901
ENSG00000174231	4031.25	4011.75	-0.0069955510
ENSG00000174233	2164.75	2002.75	-0.1122180792
ENSG00000174236	9.25	3.00	-1.6244908649
ENSG00000174238	1683.75	1860.50	0.1440124448
ENSG00000174243	1609.50	1559.25	-0.0457603179
ENSG00000174255	3.50	4.00	0.1926450779
ENSG00000174276	88.25	87.25	-0.0164411471
ENSG00000174282	4401.50	3881.50	-0.1813809802
ENSG00000174292	97.50	96.75	-0.0111405576
ENSG00000174306	2351.75	4602.50	0.9686830172
ENSG00000174307	2359.00	1902.25	-0.3104685562
ENSG00000174325	25.25	14.00	-0.8508565607
ENSG00000174326	9.75	18.25	0.9044223400
ENSG00000174327	40.75	23.25	-0.8095693431
ENSG00000174332	118.00	140.00	0.2466399676
ENSG00000174348	12822.25	8856.75	-0.5338001413
ENSG00000174353	295.75	244.00	-0.2774970208
ENSG00000174370	77.00	49.25	-0.6447347212
ENSG00000174371	15.50	18.75	0.2746223801
ENSG00000174373	669.25	649.50	-0.0432157082
ENSG00000174384	43.75	42.50	-0.0418201757
ENSG00000174405	348.75	347.75	-0.0041427022
ENSG00000174417	0.25	0.50	1.0000000000
ENSG00000174428	866.75	769.00	-0.1726323332
ENSG00000174429	1.25	1.50	0.2630344058
ENSG00000174437	6424.50	15738.00	1.2925961304
ENSG00000174442	338.75	251.75	-0.4282291682

ENSG00000174444	33366.75	29087.50	-0.1980118658
ENSG00000174446	259.50	227.25	-0.1914542442
ENSG00000174448	5.25	3.75	-0.4854268272
ENSG00000174453	0.50	2.50	2.3219280949
ENSG00000174456	272.50	304.50	0.1601859982
ENSG00000174469	0.75	2.50	1.7369655942
ENSG00000174473	3.25	0.50	-2.7004397181
ENSG00000174483	1269.25	1100.00	-0.2064727363
ENSG00000174485	1177.50	1182.75	0.0064181010
ENSG00000174498	2.75	1.00	-1.4594316186
ENSG00000174500	3.50	2.25	-0.6374299206
ENSG00000174501	177.00	107.25	-0.7227717126
ENSG00000174514	29.50	12.25	-1.2679332052
ENSG00000174516	277.00	260.75	-0.0872187235
ENSG00000174521	0.50	1.25	1.3219280949
ENSG00000174527	8.00	10.75	0.4262647547
ENSG00000174529	22.75	17.75	-0.3580475207
ENSG00000174547	502.00	451.50	-0.1529613765
ENSG00000174564	68.50	39.50	-0.7942513348
ENSG00000174574	911.25	1005.50	0.1419942671
ENSG00000174576	1.00	5.00	2.3219280949
ENSG00000174579	340.00	336.00	-0.0170735134
ENSG00000174586	162.00	155.50	-0.0590792328
ENSG00000174599	87.50	64.25	-0.4455865626
ENSG00000174600	3.50	1.50	-1.2223924213
ENSG00000174606	545.75	544.25	-0.0039707228
ENSG00000174607	18.00	17.00	-0.0824621602
ENSG00000174611	3.25	1.25	-1.3785116233
ENSG00000174628	201.50	204.50	0.0213210044
ENSG00000174640	0.50	1.75	1.8073549221
ENSG00000174652	709.75	534.25	-0.4097959411
ENSG00000174669	27.00	17.25	-0.6463630454
ENSG00000174672	11.50	4.00	-1.5235619561
ENSG00000174684	827.75	799.00	-0.0509996025
ENSG00000174695	2159.50	2351.00	0.1225772224
ENSG00000174697	29.50	230.75	2.9675437883
ENSG00000174705	3242.50	4607.50	0.5068775914
ENSG00000174718	447.50	383.75	-0.2217209319
ENSG00000174720	1089.75	931.00	-0.2271441308
ENSG00000174721	19.25	8.75	-1.1375035237
ENSG00000174738	1465.50	839.50	-0.8037907378
ENSG00000174740	108.50	108.25	-0.0033280177
ENSG00000174744	487.50	550.25	0.1746850213

ENSG00000174748	21112.50	18113.25	-0.2210519956
ENSG00000174749	452.75	419.00	-0.1117643973
ENSG00000174775	169.25	204.25	0.2711802446
ENSG00000174780	2491.75	1942.50	-0.3592447298
ENSG00000174788	0.75	0.50	-0.5849625007
ENSG00000174791	302.75	191.25	-0.6626672121
ENSG00000174792	3.75	5.75	0.6166713604
ENSG00000174796	330.25	248.50	-0.4103127097
ENSG00000174799	219.75	183.25	-0.2620499670
ENSG00000174804	1318.00	2042.75	0.6321622817
ENSG00000174807	17213.25	9513.75	-0.8554334954
ENSG00000174808	31.75	56.75	0.8378638005
ENSG00000174827	31.25	18.50	-0.7563309190
ENSG00000174837	5.25	1.00	-2.3923174228
ENSG00000174839	272.50	339.50	0.3171553446
ENSG00000174840	477.50	502.00	0.0721866310
ENSG00000174842	137.25	123.75	-0.1493776240
ENSG00000174844	10.50	7.00	-0.5849625007
ENSG00000174851	794.25	765.25	-0.0536620452
ENSG00000174871	4.00	3.50	-0.1926450779
ENSG00000174876	0.75	0.50	-0.5849625007
ENSG00000174885	0.50	0.50	0.0000000000
ENSG00000174886	1633.75	1476.75	-0.1457616241
ENSG00000174891	475.00	378.75	-0.3266816249
ENSG00000174899	218.50	339.75	0.6368402713
ENSG00000174903	2976.00	2784.75	-0.0958267105
ENSG00000174912	6.25	5.50	-0.1844245711
ENSG00000174915	398.75	325.25	-0.2939354619
ENSG00000174917	462.50	484.50	0.0670433000
ENSG00000174928	55.00	51.25	-0.1018796140
ENSG00000174938	613.50	617.00	0.0082071455
ENSG00000174939	68.50	84.00	0.2942853398
ENSG00000174943	163.25	148.75	-0.1341933234
ENSG00000174944	11.50	32.00	1.4764380439
ENSG00000174945	18.25	7.75	-1.2356282485
ENSG00000174951	12.00	14.50	0.2730184944
ENSG00000174953	1029.50	1021.00	-0.0119609638
ENSG00000174977	0.50	0.50	0.0000000000
ENSG00000174989	618.00	558.75	-0.1454039118
ENSG00000174990	15.00	23.25	0.6322682155
ENSG00000174992	1.75	2.00	0.1926450779
ENSG00000174996	501.00	559.50	0.1593275278
ENSG00000175003	5.75	5.75	0.0000000000

ENSG00000175029	1704.00	1665.25	-0.0331865537
ENSG00000175040	347.25	299.50	-0.2134186912
ENSG00000175048	283.75	178.75	-0.6666771505
ENSG00000175054	598.25	536.00	-0.1585154911
ENSG00000175063	12.25	14.00	0.1926450779
ENSG00000175066	767.75	1100.00	0.5187950114
ENSG00000175073	701.75	768.00	0.1301491522
ENSG00000175084	141.00	130.50	-0.1116453558
ENSG00000175087	75.25	57.25	-0.3944158887
ENSG00000175097	0.25	0.25	0.0000000000
ENSG00000175104	280.75	285.50	0.0242047230
ENSG00000175105	481.50	489.25	0.0230360528
ENSG00000175106	126.75	83.25	-0.6064635699
ENSG00000175110	484.50	453.50	-0.0953941149
ENSG00000175115	2410.75	2130.00	-0.1786286176
ENSG00000175130	919.00	394.50	-1.2200395613
ENSG00000175137	706.25	684.25	-0.0456554328
ENSG00000175155	599.25	608.25	0.0215064113
ENSG00000175161	3.00	3.00	0.0000000000
ENSG00000175164	7.75	5.50	-0.4947646917
ENSG00000175166	4603.25	4033.75	-0.1905311240
ENSG00000175170	6.25	5.75	-0.1202942337
ENSG00000175175	4.00	2.00	-1.0000000000
ENSG00000175182	251.25	317.25	0.3364965678
ENSG00000175183	435.75	426.50	-0.0309549228
ENSG00000175189	1.00	2.50	1.3219280949
ENSG00000175193	454.00	481.00	0.0833445965
ENSG00000175197	916.75	422.75	-1.1167236063
ENSG00000175198	324.25	301.00	-0.1073430875
ENSG00000175203	3080.75	2993.25	-0.0415688342
ENSG00000175206	6.00	2.75	-1.1255308821
ENSG00000175213	212.75	167.00	-0.3493110292
ENSG00000175215	8153.00	7474.50	-0.1253539403
ENSG00000175216	3347.25	2754.25	-0.2813167902
ENSG00000175220	4547.75	5021.75	0.1430372598
ENSG00000175221	832.50	795.75	-0.0651350203
ENSG00000175224	1922.75	2075.00	0.1099401438
ENSG00000175229	0.25	0.75	1.5849625007
ENSG00000175262	3.50	1.75	-1.0000000000
ENSG00000175265	1382.00	1170.25	-0.2399408507
ENSG00000175267	11.00	7.00	-0.6520766966
ENSG00000175274	4394.75	4670.75	0.0878731291
ENSG00000175279	169.25	140.00	-0.2737290066

ENSG00000175283	433.25	446.00	0.0418439608
ENSG00000175287	526.25	458.50	-0.1988265944
ENSG00000175294	0.25	2.00	3.0000000000
ENSG00000175305	18.00	19.25	0.0968615393
ENSG00000175309	644.75	572.25	-0.1720943102
ENSG00000175311	5.50	2.25	-1.2895066172
ENSG00000175315	1.75	2.00	0.1926450779
ENSG00000175318	9.00	2.75	-1.7104933828
ENSG00000175322	116.50	101.75	-0.1953011604
ENSG00000175324	471.00	566.25	0.2657120853
ENSG00000175334	1140.25	939.25	-0.2797690542
ENSG00000175336	1.75	1.00	-0.8073549221
ENSG00000175344	9.75	2.50	-1.9634741240
ENSG00000175348	1214.75	1432.50	0.2378757065
ENSG00000175352	162.00	158.00	-0.0360692547
ENSG00000175354	323.50	291.75	-0.1490330563
ENSG00000175356	90.75	98.50	0.1182260815
ENSG00000175376	314.50	302.00	-0.0585114676
ENSG00000175387	1739.50	1556.75	-0.1601353997
ENSG00000175390	2404.75	2236.50	-0.1046441596
ENSG00000175395	424.50	393.25	-0.1103177881
ENSG00000175414	641.00	606.00	-0.0810065631
ENSG00000175416	870.25	991.50	0.1881828635
ENSG00000175426	15.50	17.50	0.1750867066
ENSG00000175445	18.00	21.50	0.2563397533
ENSG00000175449	28.75	28.25	-0.0253110885
ENSG00000175455	2187.25	1615.50	-0.4371373775
ENSG00000175463	23.75	23.75	0.0000000000
ENSG00000175467	1130.00	1051.00	-0.1045601033
ENSG00000175470	552.00	508.25	-0.1191299569
ENSG00000175471	72.00	246.75	1.7769812730
ENSG00000175482	521.75	863.75	0.7272551101
ENSG00000175489	19.50	4.00	-2.2854022189
ENSG00000175497	1.25	1.75	0.4854268272
ENSG00000175505	141.00	124.25	-0.1824493108
ENSG00000175513	13.75	5.25	-1.3890422907
ENSG00000175518	10.75	10.75	0.0000000000
ENSG00000175536	12.00	9.50	-0.3370349873
ENSG00000175538	237.75	87.00	-1.4503580350
ENSG00000175544	7.25	2.50	-1.5360529002
ENSG00000175548	246.00	210.75	-0.2231256844
ENSG00000175550	1521.75	1176.25	-0.3715366429
ENSG00000175556	2.25	3.75	0.7369655942

ENSG00000175564	10.50	12.25	0.2223924213
ENSG00000175567	50.50	44.50	-0.1824780518
ENSG00000175573	1204.75	1033.50	-0.2211954123
ENSG00000175575	378.00	308.25	-0.2942853398
ENSG00000175581	232.75	165.00	-0.4963151433
ENSG00000175582	2682.50	2776.75	0.0498191214
ENSG00000175591	1.25	1.25	0.0000000000
ENSG00000175592	354.50	263.25	-0.4293520962
ENSG00000175595	456.75	392.25	-0.2196312817
ENSG00000175600	202.00	300.75	0.5742094444
ENSG00000175602	883.75	645.50	-0.4532212144
ENSG00000175606	314.75	335.25	0.0910309542
ENSG00000175634	516.00	471.50	-0.1301132947
ENSG00000175643	97.50	70.25	-0.4729039935
ENSG00000175662	1567.50	1409.25	-0.1535378755
ENSG00000175664	2.50	3.50	0.4854268272
ENSG00000175691	49.25	41.00	-0.2644998148
ENSG00000175697	7.25	8.75	0.2713020218
ENSG00000175701	147.50	136.75	-0.1091741215
ENSG00000175711	51.75	45.00	-0.2016338612
ENSG00000175727	1129.25	1189.50	0.0749903580
ENSG00000175730	0.50	1.75	1.8073549221
ENSG00000175745	4933.25	3262.25	-0.5966710539
ENSG00000175749	0.75	0.50	-0.5849625007
ENSG00000175756	680.00	710.25	0.0627921801
ENSG00000175764	145.50	93.00	-0.6457165318
ENSG00000175768	561.25	570.50	0.0235833467
ENSG00000175782	533.75	591.25	0.1476041137
ENSG00000175785	0.25	0.25	0.0000000000
ENSG00000175787	46.00	50.25	0.1274897351
ENSG00000175792	630.00	626.50	-0.0080373191
ENSG00000175793	2.50	2.50	0.0000000000
ENSG00000175800	0.25	0.25	0.0000000000
ENSG00000175806	227.75	203.75	-0.1606509947
ENSG00000175820	3.25	1.50	-1.1154772174
ENSG00000175826	1904.75	1641.25	-0.2148066441
ENSG00000175832	54.00	44.75	-0.2710717249
ENSG00000175854	340.25	274.50	-0.3097890125
ENSG00000175857	0.50	0.25	-1.0000000000
ENSG00000175866	312.75	226.75	-0.4639073336
ENSG00000175868	1.25	1.25	0.0000000000
ENSG00000175874	6.25	6.75	0.1110313124
ENSG00000175879	6.00	4.50	-0.4150374993

ENSG00000175886	1.50	1.00	-0.5849625007
ENSG00000175893	377.75	428.75	0.1827049159
ENSG00000175894	8.50	7.00	-0.2801079192
ENSG00000175895	166.25	180.75	0.1206413066
ENSG00000175899	21929.25	22116.50	0.0122666216
ENSG00000175906	213.00	187.50	-0.1839628348
ENSG00000175920	1.00	1.50	0.5849625007
ENSG00000175928	24.00	4.25	-2.4974996595
ENSG00000175931	485.25	578.50	0.2535887464
ENSG00000175938	1063.75	1171.75	0.1395056629
ENSG00000175946	31.25	57.75	0.8859647568
ENSG00000175970	1950.50	2252.75	0.2078432203
ENSG00000175984	97.75	90.50	-0.1111789102
ENSG00000175985	14.50	7.50	-0.9510903995
ENSG00000176009	1.25	0.75	-0.7369655942
ENSG00000176014	3402.50	4040.25	0.2478494042
ENSG00000176018	597.00	539.50	-0.1461079718
ENSG00000176020	7.25	0.75	-3.2730184944
ENSG00000176022	437.75	434.00	-0.0124121360
ENSG00000176024	88.25	64.25	-0.4578998241
ENSG00000176029	3.00	2.75	-0.1255308821
ENSG00000176040	0.50	0.25	-1.0000000000
ENSG00000176046	3446.50	2518.25	-0.4527105012
ENSG00000176049	2.75	2.75	0.0000000000
ENSG00000176054	7.50	6.50	-0.2064508775
ENSG00000176055	137.00	106.75	-0.3599398233
ENSG00000176058	190.50	166.25	-0.1964366571
ENSG00000176076	7.00	3.25	-1.1069152039
ENSG00000176083	0.50	0.50	0.0000000000
ENSG00000176087	1056.00	1010.75	-0.0631836311
ENSG00000176095	1467.75	1432.00	-0.0355747641
ENSG00000176101	454.75	510.25	0.1661306394
ENSG00000176102	478.75	432.50	-0.1465723543
ENSG00000176105	1403.00	1120.50	-0.3243723601
ENSG00000176108	371.50	283.00	-0.3925601577
ENSG00000176124	78.00	58.00	-0.4274212237
ENSG00000176125	11.25	17.00	0.5956097449
ENSG00000176134	1.75	1.50	-0.2223924213
ENSG00000176142	917.75	878.00	-0.0638802696
ENSG00000176148	448.00	550.50	0.2972438315
ENSG00000176153	2.75	4.50	0.7104933828
ENSG00000176155	502.00	476.75	-0.0744544256
ENSG00000176160	0.25	0.25	0.0000000000

ENSG00000176165	4.50	12.75	1.5025003405
ENSG00000176170	145.25	303.25	1.0619694817
ENSG00000176171	2471.75	3541.00	0.5186240115
ENSG00000176182	124.50	120.00	-0.0531113365
ENSG00000176204	10.25	6.25	-0.7136958148
ENSG00000176208	38.25	39.75	0.0554951126
ENSG00000176209	374.50	364.00	-0.0410272683
ENSG00000176222	125.75	90.25	-0.4785595629
ENSG00000176225	248.75	135.25	-0.8790679316
ENSG00000176244	14.50	14.50	0.0000000000
ENSG00000176248	635.25	575.00	-0.1437625142
ENSG00000176261	248.25	230.75	-0.1054630699
ENSG00000176268	1.25	1.50	0.2630344058
ENSG00000176273	220.25	187.25	-0.2341763005
ENSG00000176289	7.25	4.50	-0.6880559937
ENSG00000176293	234.50	99.25	-1.2404489154
ENSG00000176340	1005.50	983.75	-0.0315494459
ENSG00000176358	8.00	2.50	-1.6780719051
ENSG00000176371	165.25	86.75	-0.9297146089
ENSG00000176378	1.50	0.50	-1.5849625007
ENSG00000176383	5.50	8.75	0.6698513983
ENSG00000176386	327.50	340.25	0.0551002551
ENSG00000176387	28.00	7.25	-1.9493739269
ENSG00000176390	239.50	305.25	0.3499656393
ENSG00000176393	1719.25	1326.25	-0.3744265945
ENSG00000176396	183.50	189.75	0.0483198226
ENSG00000176399	24.25	10.50	-1.2075954194
ENSG00000176401	44.75	48.25	0.1086412600
ENSG00000176402	2.00	0.25	-3.0000000000
ENSG00000176406	5.25	7.75	0.5618788876
ENSG00000176407	929.25	899.25	-0.0473445287
ENSG00000176410	283.25	211.25	-0.4231246147
ENSG00000176422	170.50	159.50	-0.0962153153
ENSG00000176428	96.00	60.25	-0.6720731645
ENSG00000176435	41.50	25.25	-0.7168279486
ENSG00000176438	1580.25	2010.25	0.3472221151
ENSG00000176444	346.25	316.00	-0.1318895128
ENSG00000176454	416.25	365.50	-0.1875788660
ENSG00000176463	1082.75	1129.50	0.0609840983
ENSG00000176472	67.50	48.25	-0.4843585598
ENSG00000176473	175.25	153.50	-0.1911757886
ENSG00000176476	111.25	93.00	-0.2585027147
ENSG00000176485	399.25	442.00	0.1467539620

ENSG00000176490	306.75	228.50 -0.4248691786
ENSG00000176531	246.50	143.50 -0.7805369097
ENSG00000176532	1.75	2.75 0.6520766966
ENSG00000176533	65.75	76.00 0.2090085242
ENSG00000176542	935.75	758.00 -0.3039252947
ENSG00000176563	21.50	19.75 -0.1224840065
ENSG00000176584	2.00	0.75 -1.4150374993
ENSG00000176595	11.00	19.75 0.8443491295
ENSG00000176597	147.50	274.75 0.8974045267
ENSG00000176619	1139.25	1233.25 0.1143809168
ENSG00000176623	1448.00	1333.25 -0.1191142744
ENSG00000176624	963.25	856.25 -0.1698781979
ENSG00000176635	1.00	0.50 -1.0000000000
ENSG00000176641	162.00	178.50 0.1399302611
ENSG00000176654	1.25	0.25 -2.3219280949
ENSG00000176658	9349.75	8895.00 -0.0719331843
ENSG00000176678	532.25	585.75 0.1381810044
ENSG00000176681	6.00	9.50 0.6629650127
ENSG00000176692	41.25	52.25 0.3410369178
ENSG00000176697	632.50	526.50 -0.2646319486
ENSG00000176700	238.25	205.25 -0.2150939921
ENSG00000176714	73.75	50.50 -0.5463596615
ENSG00000176715	389.50	433.25 0.1535764211
ENSG00000176716	1.25	1.75 0.4854268272
ENSG00000176720	745.00	616.50 -0.2731395309
ENSG00000176723	53.00	33.50 -0.6618312641
ENSG00000176731	398.00	370.75 -0.1023217381
ENSG00000176732	16.00	8.75 -0.8707169831
ENSG00000176749	23.75	12.50 -0.9259994186
ENSG00000176761	6.50	5.25 -0.3081222954
ENSG00000176769	0.75	0.25 -1.5849625007
ENSG00000176771	197.25	38.25 -2.3664936473
ENSG00000176783	1156.50	997.50 -0.2133765195
ENSG00000176788	5833.25	5377.25 -0.1174313590
ENSG00000176809	221.75	169.75 -0.3855225301
ENSG00000176826	86.50	46.50 -0.8954694165
ENSG00000176834	564.00	629.50 0.1585112153
ENSG00000176842	0.25	0.75 1.5849625007
ENSG00000176845	1060.75	585.75 -0.8567277244
ENSG00000176853	1528.50	1280.50 -0.2554092993
ENSG00000176857	0.50	0.25 -1.0000000000
ENSG00000176871	1352.25	1469.75 0.1202088804
ENSG00000176884	1.25	0.75 -0.7369655942

ENSG00000176887	8.50	6.00	-0.5025003405
ENSG00000176890	583.50	274.75	-1.0866131748
ENSG00000176894	87.50	146.75	0.7460055813
ENSG00000176896	65.75	63.00	-0.0616390658
ENSG00000176903	988.25	901.25	-0.1329486957
ENSG00000176907	3.75	7.25	0.9510903995
ENSG00000176909	75.75	32.50	-1.2208061704
ENSG00000176915	1438.25	1547.25	0.1053918517
ENSG00000176919	8.50	6.50	-0.3870231231
ENSG00000176920	17.50	8.50	-1.0418201757
ENSG00000176927	29.50	42.00	0.5096743734
ENSG00000176928	194.75	751.00	1.9471895795
ENSG00000176933	19.25	18.00	-0.0968615393
ENSG00000176945	7.00	4.00	-0.8073549221
ENSG00000176946	828.00	834.00	0.0104166159
ENSG00000176953	920.00	868.75	-0.0826927884
ENSG00000176971	1546.00	3230.00	1.0629938457
ENSG00000176973	461.50	455.75	-0.0180879916
ENSG00000176974	107.00	209.50	0.9693394473
ENSG00000176978	1967.75	2084.50	0.0831544323
ENSG00000176986	2270.00	1982.25	-0.1955533718
ENSG00000176994	1162.25	1046.50	-0.1513481143
ENSG00000176998	0.25	0.25	0.0000000000
ENSG00000177000	1473.00	1300.75	-0.1794137231
ENSG00000177025	9.50	13.50	0.5069599887
ENSG00000177030	928.00	727.00	-0.3521694412
ENSG00000177034	675.50	541.50	-0.3189944317
ENSG00000177042	818.50	622.25	-0.3954880915
ENSG00000177045	538.75	447.00	-0.2693411328
ENSG00000177047	0.50	1.25	1.3219280949
ENSG00000177051	170.25	164.50	-0.0495672143
ENSG00000177054	182.75	229.00	0.3254761921
ENSG00000177058	357.75	358.50	0.0030213520
ENSG00000177076	40.00	25.50	-0.6495027529
ENSG00000177082	483.00	395.00	-0.2901705358
ENSG00000177084	461.25	397.00	-0.2164099038
ENSG00000177096	494.50	528.50	0.0959329506
ENSG00000177098	321.50	208.50	-0.6247713539
ENSG00000177105	617.75	639.00	0.0487928256
ENSG00000177106	1259.25	937.50	-0.4256741354
ENSG00000177108	1.75	0.25	-2.8073549221
ENSG00000177119	3431.25	3784.00	0.1411778446
ENSG00000177125	386.00	435.00	0.1724145535

ENSG00000177138	3.75	2.75	-0.4474589770
ENSG00000177144	107.75	155.00	0.5245803462
ENSG00000177150	275.50	246.75	-0.1590022341
ENSG00000177156	2084.25	2216.00	0.0884295461
ENSG00000177169	1419.75	1267.25	-0.1639357478
ENSG00000177173	1.25	1.25	0.0000000000
ENSG00000177181	4.00	4.00	0.0000000000
ENSG00000177182	7.00	7.25	0.0506260731
ENSG00000177189	1865.75	1546.25	-0.2709820909
ENSG00000177191	79.00	101.75	0.3651042361
ENSG00000177192	125.00	178.75	0.5160151470
ENSG00000177200	1578.50	1908.75	0.2740738964
ENSG00000177225	1379.00	1209.75	-0.1889135176
ENSG00000177238	41.50	35.25	-0.2354880789
ENSG00000177239	2211.75	1971.50	-0.1658946127
ENSG00000177272	47.00	22.00	-1.0951572330
ENSG00000177283	49.50	252.00	2.3479233034
ENSG00000177291	4.50	4.25	-0.0824621602
ENSG00000177294	2.75	1.50	-0.8744691179
ENSG00000177301	8.25	1.75	-2.2370391973
ENSG00000177302	364.25	346.50	-0.0720736199
ENSG00000177303	350.75	372.00	0.0848595175
ENSG00000177306	5.00	5.75	0.2016338612
ENSG00000177311	3998.50	3776.50	-0.0824091010
ENSG00000177324	1.00	2.50	1.3219280949
ENSG00000177350	0.75	1.25	0.7369655942
ENSG00000177352	362.25	294.50	-0.2987180557
ENSG00000177354	3.75	9.50	1.3410369178
ENSG00000177359	1.75	1.25	-0.4854268272
ENSG00000177363	3664.25	3108.50	-0.2372993584
ENSG00000177370	122.50	114.00	-0.1037479248
ENSG00000177374	936.75	785.25	-0.2545120347
ENSG00000177380	39.50	26.25	-0.5895352305
ENSG00000177383	519.50	394.00	-0.3989281194
ENSG00000177409	1079.50	647.75	-0.7368542278
ENSG00000177425	420.25	656.50	0.6435471917
ENSG00000177426	789.00	1363.75	0.7894819912
ENSG00000177427	188.25	146.00	-0.3666814958
ENSG00000177432	173.50	107.25	-0.6939580151
ENSG00000177453	86.25	48.25	-0.8379955144
ENSG00000177455	3.25	3.25	0.0000000000
ENSG00000177459	25.00	16.75	-0.5777669993
ENSG00000177463	1595.25	1356.75	-0.2336276253

ENSG00000177464	36.00	26.00	-0.4694852833
ENSG00000177465	5.50	12.25	1.1552782255
ENSG00000177469	16143.50	23212.00	0.5239174372
ENSG00000177479	1608.75	1526.00	-0.0761851863
ENSG00000177483	16.50	13.50	-0.2895066172
ENSG00000177485	497.25	479.00	-0.0539457151
ENSG00000177494	2.50	2.50	0.0000000000
ENSG00000177508	8.25	0.75	-3.4594316186
ENSG00000177519	0.50	0.75	0.5849625007
ENSG00000177542	260.25	270.50	0.0557304305
ENSG00000177548	463.00	380.25	-0.2840639455
ENSG00000177551	0.75	1.00	0.4150374993
ENSG00000177556	740.50	631.00	-0.2308597303
ENSG00000177565	2833.50	2204.75	-0.3619701268
ENSG00000177570	165.25	40.75	-2.0197783073
ENSG00000177575	20.75	20.75	0.0000000000
ENSG00000177576	425.00	367.25	-0.2107003505
ENSG00000177595	686.75	401.50	-0.7743850176
ENSG00000177599	40.75	26.50	-0.6208076997
ENSG00000177600	6632.75	6758.25	0.0270425702
ENSG00000177602	13.25	15.50	0.2262758558
ENSG00000177606	4637.50	2038.75	-1.1856624048
ENSG00000177613	784.50	782.75	-0.0032218438
ENSG00000177614	286.25	48.25	-2.5686748457
ENSG00000177627	0.50	0.25	-1.0000000000
ENSG00000177628	3109.00	2261.00	-0.4594896246
ENSG00000177646	606.50	533.25	-0.1856955848
ENSG00000177663	797.00	1147.25	0.5255281774
ENSG00000177666	1770.25	3571.00	1.0123750175
ENSG00000177669	2.00	0.75	-1.4150374993
ENSG00000177674	512.00	999.00	0.9643408678
ENSG00000177675	5.00	19.25	1.9448584458
ENSG00000177679	51.75	42.75	-0.2756344426
ENSG00000177683	421.00	335.50	-0.3275074669
ENSG00000177685	21.00	13.75	-0.6109577093
ENSG00000177688	1.00	0.25	-2.0000000000
ENSG00000177689	2.50	1.25	-1.0000000000
ENSG00000177692	15.25	10.50	-0.5384199148
ENSG00000177694	428.75	284.75	-0.5904408294
ENSG00000177697	10274.00	10393.75	0.0167182847
ENSG00000177700	2376.25	2375.75	-0.0003035974
ENSG00000177706	1339.75	2728.00	1.0258798283
ENSG00000177707	1101.00	1152.50	0.0659522818

ENSG00000177710	3.50	3.25	-0.1069152039
ENSG00000177721	26.00	22.50	-0.2085866218
ENSG00000177728	1293.25	1197.50	-0.1109755356
ENSG00000177731	3958.00	4079.00	0.0434438947
ENSG00000177732	781.75	504.50	-0.6318530448
ENSG00000177733	2627.25	2357.75	-0.1561427361
ENSG00000177752	0.50	0.25	-1.0000000000
ENSG00000177791	1.25	2.00	0.6780719051
ENSG00000177800	4.00	2.50	-0.6780719051
ENSG00000177807	2.50	2.50	0.0000000000
ENSG00000177830	1865.00	1618.00	-0.2049640227
ENSG00000177839	90.25	48.00	-0.9108925262
ENSG00000177842	19.75	23.50	0.2508081035
ENSG00000177853	425.25	347.50	-0.2912982581
ENSG00000177854	112.50	128.25	0.1890338244
ENSG00000177868	385.00	271.25	-0.5052353083
ENSG00000177873	126.00	120.00	-0.0703893279
ENSG00000177875	17.00	30.50	0.8432744963
ENSG00000177879	2408.25	2301.25	-0.0655674442
ENSG00000177885	1997.00	1986.50	-0.0076055394
ENSG00000177888	595.25	555.75	-0.0990596722
ENSG00000177889	887.00	1008.50	0.1852050743
ENSG00000177917	306.75	345.50	0.1716223667
ENSG00000177932	336.25	286.25	-0.2322585745
ENSG00000177943	62.25	67.25	0.1114604305
ENSG00000177946	306.50	234.00	-0.3893785441
ENSG00000177951	1503.25	1167.50	-0.3646624086
ENSG00000177954	14388.25	12035.50	-0.2575950540
ENSG00000177963	2078.50	1960.75	-0.0841371475
ENSG00000177971	504.25	530.50	0.0732135723
ENSG00000177981	646.75	473.25	-0.4506056430
ENSG00000177984	10.25	8.50	-0.2700891634
ENSG00000177989	34.50	54.00	0.6463630454
ENSG00000177990	106.25	99.75	-0.0910740948
ENSG00000177994	2.25	0.50	-2.1699250014
ENSG00000178015	6.75	36.75	2.4447848427
ENSG00000178026	190.25	136.50	-0.4789955026
ENSG00000178028	525.75	367.50	-0.5166326950
ENSG00000178031	2030.75	913.00	-1.1533258791
ENSG00000178033	725.25	856.25	0.2395536925
ENSG00000178035	3570.25	2870.25	-0.3148486981
ENSG00000178038	50.00	24.50	-1.0291463457
ENSG00000178053	204.50	110.50	-0.8880544736

ENSG00000178055	0.25	0.25	0.0000000000
ENSG00000178057	884.75	734.75	-0.2680164028
ENSG00000178074	440.75	441.50	0.0024528683
ENSG00000178075	28.75	40.75	0.5032381033
ENSG00000178078	52.25	30.50	-0.7766217945
ENSG00000178081	3.50	3.50	0.0000000000
ENSG00000178093	39.25	42.25	0.1062586874
ENSG00000178096	142.75	107.75	-0.4058028763
ENSG00000178104	6946.25	6442.75	-0.1085577207
ENSG00000178105	273.25	300.00	0.1347410048
ENSG00000178115	13.25	8.75	-0.5986374376
ENSG00000178125	5.25	2.00	-1.3923174228
ENSG00000178127	825.00	877.75	0.0894159717
ENSG00000178149	476.50	396.50	-0.2651553482
ENSG00000178150	10.75	5.50	-0.9668331361
ENSG00000178162	17.00	8.75	-0.9581798243
ENSG00000178163	527.75	408.00	-0.3712855214
ENSG00000178171	1.00	1.00	0.0000000000
ENSG00000178175	2.00	5.50	1.4594316186
ENSG00000178177	235.25	196.00	-0.2633410686
ENSG00000178184	111.50	43.50	-1.3579564041
ENSG00000178187	19.25	11.00	-0.8073549221
ENSG00000178188	1005.50	927.00	-0.1172718377
ENSG00000178199	17.00	12.50	-0.4436066515
ENSG00000178201	21.00	16.00	-0.3923174228
ENSG00000178202	2476.00	2093.75	-0.2419221241
ENSG00000178209	15498.25	25598.50	0.7239539535
ENSG00000178222	62.25	52.00	-0.2595622139
ENSG00000178226	3.50	6.75	0.9475325801
ENSG00000178229	68.25	59.50	-0.1979393776
ENSG00000178233	2.25	1.50	-0.5849625007
ENSG00000178234	1170.50	1271.00	0.1188390959
ENSG00000178235	3.25	5.50	0.7589919005
ENSG00000178252	3326.00	2435.00	-0.4498663963
ENSG00000178295	172.00	193.50	0.1699250014
ENSG00000178297	24.50	20.50	-0.2571578395
ENSG00000178301	116.00	58.75	-0.9814640486
ENSG00000178307	366.25	442.50	0.2728486957
ENSG00000178338	166.75	172.25	0.0468172215
ENSG00000178342	9.75	22.75	1.2223924213
ENSG00000178343	35.25	20.00	-0.8176232575
ENSG00000178381	185.50	173.75	-0.0944062090
ENSG00000178385	147.25	153.75	0.0623187764

ENSG00000178386	85.75	75.50 -0.1836600268
ENSG00000178397	302.25	240.75 -0.3282065414
ENSG00000178401	76.75	33.75 -1.1852792483
ENSG00000178404	10.50	6.75 -0.6374299206
ENSG00000178409	60.75	60.00 -0.0179219080
ENSG00000178425	705.25	388.75 -0.8592920856
ENSG00000178429	2.50	2.50 0.0000000000
ENSG00000178449	300.00	350.75 0.2254806031
ENSG00000178460	145.50	125.50 -0.2133317890
ENSG00000178464	6.25	3.25 -0.9434164716
ENSG00000178467	519.25	504.75 -0.0408603055
ENSG00000178498	467.50	337.00 -0.4722177736
ENSG00000178502	72.25	62.00 -0.2207293721
ENSG00000178531	75.75	51.25 -0.5636938840
ENSG00000178537	382.25	315.75 -0.2757337676
ENSG00000178562	3.25	2.75 -0.2410080995
ENSG00000178567	898.75	591.50 -0.6035416970
ENSG00000178568	2.25	4.00 0.8300749986
ENSG00000178573	1825.00	1100.75 -0.7294096197
ENSG00000178585	288.75	261.00 -0.1457711397
ENSG00000178605	508.75	596.75 0.2301697719
ENSG00000178607	436.00	349.25 -0.3200680194
ENSG00000178623	19.75	16.50 -0.2593866288
ENSG00000178631	3.50	2.00 -0.8073549221
ENSG00000178636	15.00	19.00 0.3410369178
ENSG00000178645	1.75	1.25 -0.4854268272
ENSG00000178654	0.50	0.25 -1.0000000000
ENSG00000178662	58.50	22.00 -1.4109331009
ENSG00000178665	54.50	31.00 -0.8139880144
ENSG00000178685	535.25	418.50 -0.3549852678
ENSG00000178690	11.75	9.50 -0.3066613382
ENSG00000178691	849.50	719.75 -0.2391180636
ENSG00000178694	137.50	103.75 -0.4063202822
ENSG00000178695	4860.25	824.00 -2.5603142821
ENSG00000178700	383.00	352.50 -0.1197211346
ENSG00000178715	0.50	2.25 2.1699250014
ENSG00000178718	31.50	42.00 0.4150374993
ENSG00000178719	3691.75	3567.50 -0.0493914294
ENSG00000178723	0.25	0.25 0.0000000000
ENSG00000178726	20.25	24.50 0.2748598412
ENSG00000178732	2.50	0.75 -1.7369655942
ENSG00000178734	24.00	6.75 -1.8300749986
ENSG00000178741	580.00	595.50 0.0380486078

ENSG00000178750	2.00	1.00	-1.0000000000
ENSG00000178752	133.50	147.00	0.1389764131
ENSG00000178761	1126.00	1122.75	-0.0041701053
ENSG00000178764	1099.25	634.75	-0.7922591376
ENSG00000178772	12.75	10.25	-0.3148733374
ENSG00000178773	67.25	76.50	0.1859254801
ENSG00000178776	0.25	0.25	0.0000000000
ENSG00000178795	4.75	11.00	1.2115041052
ENSG00000178796	1.50	1.00	-0.5849625007
ENSG00000178802	702.25	559.00	-0.3291364363
ENSG00000178809	65.50	72.00	0.1365019999
ENSG00000178814	169.25	196.75	0.2172078019
ENSG00000178821	2.75	2.50	-0.1375035237
ENSG00000178826	4.25	2.75	-0.6280312226
ENSG00000178852	57.75	66.50	0.2035333941
ENSG00000178860	850.00	664.50	-0.3551936417
ENSG00000178878	86.00	55.25	-0.6383621953
ENSG00000178896	148.25	121.50	-0.2870757909
ENSG00000178904	943.50	1000.00	0.0839055771
ENSG00000178913	1862.50	1764.25	-0.0781854156
ENSG00000178917	24.75	18.25	-0.4395320612
ENSG00000178919	75.25	112.25	0.5769519580
ENSG00000178921	268.75	290.75	0.1135144370
ENSG00000178922	226.75	170.25	-0.4134477525
ENSG00000178927	1213.50	948.75	-0.3550742228
ENSG00000178928	1.25	0.75	-0.7369655942
ENSG00000178935	48.75	55.25	0.1805722456
ENSG00000178947	10.00	6.00	-0.7369655942
ENSG00000178950	1407.50	1465.25	0.0580119150
ENSG00000178951	1204.00	1297.50	0.1078991465
ENSG00000178952	1992.50	2092.50	0.0706478986
ENSG00000178965	1.50	4.50	1.5849625007
ENSG00000178966	158.25	123.50	-0.3576944578
ENSG00000178971	259.00	287.75	0.1518638304
ENSG00000178974	402.50	336.25	-0.2594545156
ENSG00000178980	765.00	809.75	0.0820168152
ENSG00000178982	809.00	699.75	-0.2093001209
ENSG00000178988	1059.75	862.75	-0.2967094926
ENSG00000178996	4257.50	4034.50	-0.0776166401
ENSG00000178997	2.00	4.00	1.0000000000
ENSG00000178999	13.75	10.50	-0.3890422907
ENSG00000179008	3.00	3.00	0.0000000000
ENSG00000179010	4287.00	3905.75	-0.1343688093

ENSG00000179021	469.50	386.50	-0.2806567437
ENSG00000179029	129.50	158.25	0.2892534017
ENSG00000179031	0.75	0.25	-1.5849625007
ENSG00000179038	1.25	0.75	-0.7369655942
ENSG00000179041	152.75	187.25	0.2937933386
ENSG00000179044	22.50	8.75	-1.3625700794
ENSG00000179046	1.50	3.75	1.3219280949
ENSG00000179051	735.75	618.25	-0.2510253026
ENSG00000179057	7.00	10.00	0.5145731728
ENSG00000179058	10.00	8.50	-0.2344652536
ENSG00000179059	7.75	7.00	-0.1468413883
ENSG00000179071	35.00	23.75	-0.5594274086
ENSG00000179083	1.00	1.00	0.0000000000
ENSG00000179085	125.50	157.75	0.3299526410
ENSG00000179091	742.50	749.25	0.0130561528
ENSG00000179094	193.00	1249.50	2.6946781488
ENSG00000179097	2.25	1.00	-1.1699250014
ENSG00000179104	323.00	301.75	-0.0981803939
ENSG00000179111	2.00	1.00	-1.0000000000
ENSG00000179115	562.25	599.00	0.0913442470
ENSG00000179119	672.75	656.50	-0.0352754747
ENSG00000179133	6.25	3.25	-0.9434164716
ENSG00000179134	2473.75	2748.00	0.1516822969
ENSG00000179148	0.50	2.00	2.0000000000
ENSG00000179151	600.25	488.75	-0.2964667960
ENSG00000179152	591.50	501.75	-0.2374094570
ENSG00000179163	103.00	85.50	-0.2686480123
ENSG00000179168	37.75	28.50	-0.4055147252
ENSG00000179195	2297.50	1890.75	-0.2811062426
ENSG00000179218	23359.50	20795.25	-0.1677553652
ENSG00000179222	6593.25	3670.25	-0.8451114499
ENSG00000179240	55.00	39.25	-0.4867389646
ENSG00000179241	252.00	336.75	0.4182542120
ENSG00000179242	35.50	77.50	1.1263772858
ENSG00000179256	10.75	8.25	-0.3818706353
ENSG00000179262	1300.00	1374.00	0.0798703809
ENSG00000179270	3.25	0.25	-3.7004397181
ENSG00000179271	635.25	663.50	0.0627719953
ENSG00000179277	166.50	175.50	0.0759488532
ENSG00000179284	3.00	2.50	-0.2630344058
ENSG00000179292	2.00	1.50	-0.4150374993
ENSG00000179295	7001.75	8845.75	0.3372689184
ENSG00000179299	2.00	0.75	-1.4150374993

ENSG00000179300	15.75	115.00	2.8682101274
ENSG00000179304	104.75	63.75	-0.7164529968
ENSG00000179314	16.00	20.00	0.3219280949
ENSG00000179335	885.00	798.00	-0.1492887087
ENSG00000179342	0.50	0.75	0.5849625007
ENSG00000179348	222.50	187.50	-0.2469147405
ENSG00000179361	71.00	73.00	0.0400774394
ENSG00000179362	13.00	8.50	-0.6129768769
ENSG00000179363	2.25	3.00	0.4150374993
ENSG00000179364	1604.50	1622.75	0.0163169666
ENSG00000179387	829.50	813.00	-0.0289866289
ENSG00000179388	92.00	23.25	-1.9844031449
ENSG00000179397	29.75	40.75	0.4539103909
ENSG00000179399	0.25	0.75	1.5849625007
ENSG00000179403	132.00	113.75	-0.2146713843
ENSG00000179409	545.50	522.50	-0.0621481594
ENSG00000179431	137.25	182.00	0.4071323012
ENSG00000179454	376.50	337.25	-0.1588314217
ENSG00000179455	8.00	9.25	0.2094533656
ENSG00000179456	225.00	161.75	-0.4761592892
ENSG00000179476	187.00	152.25	-0.2965960420
ENSG00000179526	740.00	761.50	0.0413187660
ENSG00000179528	40.25	40.00	-0.0089887832
ENSG00000179532	259.25	236.25	-0.1340296597
ENSG00000179542	5.50	5.25	-0.0671141959
ENSG00000179546	4.25	2.00	-1.0874628413
ENSG00000179562	636.25	562.50	-0.1777406549
ENSG00000179564	1.00	0.50	-1.0000000000
ENSG00000179583	48.75	34.50	-0.4988058570
ENSG00000179588	115.00	91.50	-0.3297902127
ENSG00000179593	0.25	129.50	9.0168082877
ENSG00000179598	48.00	37.50	-0.3561438102
ENSG00000179604	1483.00	1156.25	-0.3590652322
ENSG00000179627	64.75	66.50	0.0384741478
ENSG00000179630	716.25	654.50	-0.1300700417
ENSG00000179632	2108.00	2340.50	0.1509418981
ENSG00000179698	13.50	14.00	0.0524674199
ENSG00000179709	1.75	0.75	-1.2223924213
ENSG00000179715	22.00	23.75	0.1104239897
ENSG00000179750	21.50	17.75	-0.2765176352
ENSG00000179761	18.75	20.00	0.0931094044
ENSG00000179766	1.75	0.50	-1.8073549221
ENSG00000179813	7.50	0.50	-3.9068905956

ENSG00000179820	3037.75	7818.75	1.3639348351
ENSG00000179826	4.50	2.75	-0.7104933828
ENSG00000179832	713.00	789.25	0.1465802789
ENSG00000179833	1083.50	812.25	-0.4157034098
ENSG00000179841	17.25	18.50	0.1009289089
ENSG00000179846	1.50	3.50	1.2223924213
ENSG00000179855	7.25	9.00	0.3119440063
ENSG00000179862	32.75	81.50	1.3153051527
ENSG00000179869	52.00	45.75	-0.1847398799
ENSG00000179873	3.25	1.25	-1.3785116233
ENSG00000179886	94.75	93.00	-0.0268952271
ENSG00000179889	889.75	715.25	-0.3149524352
ENSG00000179899	169.50	122.75	-0.4655622488
ENSG00000179902	1.25	0.50	-1.3219280949
ENSG00000179909	307.25	183.00	-0.7475693621
ENSG00000179912	1533.00	1377.50	-0.1543053782
ENSG00000179918	641.50	613.50	-0.0643859214
ENSG00000179921	4.00	5.50	0.4594316186
ENSG00000179922	97.75	66.00	-0.5666306779
ENSG00000179933	1243.00	1204.75	-0.0450924953
ENSG00000179938	10.75	7.75	-0.4720684443
ENSG00000179941	621.25	705.00	0.1824493108
ENSG00000179943	191.75	158.00	-0.2793020193
ENSG00000179950	378.00	340.75	-0.1496725774
ENSG00000179954	1564.75	1089.75	-0.5219349726
ENSG00000179958	146.75	149.25	0.0243704282
ENSG00000179965	124.50	123.00	-0.0174874267
ENSG00000179967	3.00	1.00	-1.5849625007
ENSG00000179978	21.00	5.25	-2.0000000000
ENSG00000179979	196.50	187.75	-0.0657164047
ENSG00000179981	816.25	455.00	-0.8431445413
ENSG00000179988	67.50	60.50	-0.1579523598
ENSG00000180008	671.75	631.75	-0.0885706571
ENSG00000180011	774.25	612.75	-0.3375008988
ENSG00000180015	12.50	12.50	0.0000000000
ENSG00000180035	130.50	113.00	-0.2077270342
ENSG00000180044	1.00	2.25	1.1699250014
ENSG00000180061	0.75	0.25	-1.5849625007
ENSG00000180071	3.50	5.25	0.5849625007
ENSG00000180083	4.00	1.75	-1.1926450779
ENSG00000180089	41.50	33.00	-0.3306453120
ENSG00000180090	0.75	0.25	-1.5849625007
ENSG00000180096	38.00	39.75	0.0649554418

ENSG00000180098	311.50	325.75	0.0645330155
ENSG00000180104	1240.50	1086.75	-0.1909016396
ENSG00000180113	54.25	56.25	0.0522299588
ENSG00000180116	4.75	4.75	0.0000000000
ENSG00000180138	0.50	0.50	0.0000000000
ENSG00000180152	4.25	3.25	-0.3870231231
ENSG00000180155	1437.50	873.00	-0.7195083971
ENSG00000180178	5.00	4.25	-0.2344652536
ENSG00000180182	879.50	983.00	0.1605078389
ENSG00000180185	433.25	392.25	-0.1434263022
ENSG00000180189	3.00	1.25	-1.2630344058
ENSG00000180190	160.75	111.00	-0.5342590610
ENSG00000180198	508.50	613.25	0.2702275547
ENSG00000180209	1.00	1.25	0.3219280949
ENSG00000180211	0.25	0.25	0.0000000000
ENSG00000180221	0.25	0.25	0.0000000000
ENSG00000180228	653.25	609.00	-0.1011929914
ENSG00000180229	325.25	263.50	-0.3037460951
ENSG00000180233	125.25	128.75	0.0397618289
ENSG00000180245	1.75	0.25	-2.8073549221
ENSG00000180251	29.25	15.50	-0.9161684092
ENSG00000180257	105.50	102.75	-0.0381046050
ENSG00000180263	294.25	220.50	-0.4162637595
ENSG00000180264	11.50	9.25	-0.3141085904
ENSG00000180287	18.00	56.75	1.6566234858
ENSG00000180304	2298.00	1788.75	-0.3614270310
ENSG00000180316	2.00	5.50	1.4594316186
ENSG00000180329	319.00	275.50	-0.2115041052
ENSG00000180332	0.75	1.00	0.4150374993
ENSG00000180336	28.75	31.00	0.1087062594
ENSG00000180340	1228.75	1228.50	-0.0002935589
ENSG00000180346	160.25	170.00	0.0852103895
ENSG00000180347	1.25	1.25	0.0000000000
ENSG00000180353	5.50	2.50	-1.1375035237
ENSG00000180354	1405.75	1638.00	0.2205953101
ENSG00000180357	1338.00	1237.75	-0.1123581667
ENSG00000180370	1854.75	1847.50	-0.0056503761
ENSG00000180376	299.50	269.25	-0.1536096582
ENSG00000180385	25.00	22.00	-0.1844245711
ENSG00000180398	6475.75	6170.75	-0.0696014438
ENSG00000180423	61.50	59.75	-0.0416476974
ENSG00000180425	62.25	48.75	-0.3526716183
ENSG00000180432	3.25	6.50	1.0000000000

ENSG00000180438	8.25	6.50	-0.3439544012
ENSG00000180447	1557.00	1689.00	0.1174003837
ENSG00000180448	327.00	287.50	-0.1857286797
ENSG00000180475	0.50	1.25	1.3219280949
ENSG00000180479	112.75	88.75	-0.3453084089
ENSG00000180481	23.75	18.00	-0.3999306069
ENSG00000180488	485.25	596.50	0.2977939250
ENSG00000180509	19.50	20.00	0.0365258760
ENSG00000180525	19.00	53.50	1.4935394730
ENSG00000180530	1237.50	1138.00	-0.1209279675
ENSG00000180532	1.25	1.00	-0.3219280949
ENSG00000180537	135.25	140.00	0.0497982331
ENSG00000180543	610.75	528.00	-0.2100440289
ENSG00000180573	876.25	649.00	-0.4331240609
ENSG00000180574	0.25	0.25	0.0000000000
ENSG00000180581	70.50	50.50	-0.4813398696
ENSG00000180592	40.25	29.25	-0.4605521585
ENSG00000180596	46.75	33.00	-0.5025003405
ENSG00000180610	1.50	1.00	-0.5849625007
ENSG00000180611	98.75	133.50	0.4349870886
ENSG00000180613	0.25	1.75	2.8073549221
ENSG00000180616	42.50	30.25	-0.4905276989
ENSG00000180626	182.25	134.00	-0.4436858139
ENSG00000180628	859.00	1054.25	0.2954869851
ENSG00000180638	3.50	3.25	-0.1069152039
ENSG00000180644	0.50	0.25	-1.0000000000
ENSG00000180660	79.00	73.50	-0.1041084033
ENSG00000180667	212.75	263.75	0.3100119619
ENSG00000180694	718.50	956.50	0.4127768119
ENSG00000180720	1.00	0.75	-0.4150374993
ENSG00000180730	1.75	3.75	1.0995356736
ENSG00000180739	1.25	2.25	0.8479969066
ENSG00000180745	0.75	0.25	-1.5849625007
ENSG00000180747	155.75	177.50	0.1885868614
ENSG00000180758	97.75	123.75	0.3402599177
ENSG00000180764	8.25	11.50	0.4791678367
ENSG00000180773	451.50	489.75	0.1173195048
ENSG00000180776	1817.00	1420.50	-0.3551595880
ENSG00000180777	9.50	5.75	-0.7243655574
ENSG00000180787	125.25	109.25	-0.1971773237
ENSG00000180801	1503.25	1671.00	0.1526267749
ENSG00000180806	7.25	9.25	0.3514723705
ENSG00000180815	11.25	3.00	-1.9068905956

ENSG00000180817	1760.25	1294.25	-0.4436640244
ENSG00000180822	144.00	154.75	0.1038705978
ENSG00000180834	31.00	20.00	-0.6322682155
ENSG00000180855	38.00	31.25	-0.2821432288
ENSG00000180867	39.50	37.75	-0.0653760089
ENSG00000180871	1.25	1.25	0.0000000000
ENSG00000180875	484.75	290.75	-0.7374617066
ENSG00000180878	3.00	2.00	-0.5849625007
ENSG00000180879	1693.75	1540.25	-0.1370564108
ENSG00000180881	166.00	106.25	-0.6437204003
ENSG00000180884	53.00	40.00	-0.4059923597
ENSG00000180891	920.25	1314.50	0.5144163922
ENSG00000180900	562.25	500.50	-0.1678416869
ENSG00000180901	1055.75	1032.50	-0.0321264655
ENSG00000180902	440.75	419.25	-0.0721497858
ENSG00000180914	262.00	785.25	1.5835852261
ENSG00000180917	455.75	294.75	-0.6287508431
ENSG00000180919	0.25	0.25	0.0000000000
ENSG00000180921	92.50	102.25	0.1445755724
ENSG00000180929	1.00	0.75	-0.4150374993
ENSG00000180938	50.25	27.25	-0.8828673664
ENSG00000180953	62.75	51.25	-0.2920634544
ENSG00000180957	1089.75	1237.50	0.1834313215
ENSG00000180964	1096.50	946.50	-0.2122314010
ENSG00000180979	475.25	465.00	-0.0314559107
ENSG00000180992	422.25	286.00	-0.5620822760
ENSG00000180998	59.75	41.00	-0.5433148034
ENSG00000180999	0.50	0.25	-1.0000000000
ENSG00000181004	143.75	179.25	0.3184111629
ENSG00000181007	157.00	128.75	-0.2861921268
ENSG00000181013	1.00	2.75	1.4594316186
ENSG00000181016	18.50	15.75	-0.2321734421
ENSG00000181019	4182.25	2401.00	-0.8006439001
ENSG00000181026	783.75	684.00	-0.1963972128
ENSG00000181027	497.00	623.25	0.3265651259
ENSG00000181029	445.50	430.00	-0.0510887719
ENSG00000181031	6.50	9.25	0.5090136475
ENSG00000181035	261.75	215.25	-0.2821762995
ENSG00000181036	2.50	2.50	0.0000000000
ENSG00000181038	260.00	225.75	-0.2037856355
ENSG00000181045	378.75	278.75	-0.4422740836
ENSG00000181061	1572.25	3358.75	1.0950937806
ENSG00000181072	3895.25	2275.75	-0.7753738438

ENSG00000181074	2.25	1.25 -0.8479969066
ENSG00000181085	1.50	1.50 0.0000000000
ENSG00000181090	1002.25	835.50 -0.2625306841
ENSG00000181092	4.75	5.00 0.0740005814
ENSG00000181104	7129.75	8247.75 0.2101491130
ENSG00000181109	1.00	0.25 -2.0000000000
ENSG00000181126	2.75	2.25 -0.2895066172
ENSG00000181135	117.75	106.00 -0.1516627950
ENSG00000181163	11305.75	9473.00 -0.2551634111
ENSG00000181191	486.75	389.75 -0.3206319560
ENSG00000181192	484.50	705.25 0.5416380952
ENSG00000181195	243.25	218.75 -0.1531567881
ENSG00000181218	97.25	69.25 -0.4898841789
ENSG00000181220	439.25	469.00 0.0945456365
ENSG00000181222	7031.25	6740.75 -0.0608720715
ENSG00000181227	13.50	8.75 -0.6256044852
ENSG00000181240	3.75	2.25 -0.7369655942
ENSG00000181260	0.75	0.25 -1.5849625007
ENSG00000181264	416.00	387.00 -0.1042499620
ENSG00000181274	62.50	66.25 0.0840642648
ENSG00000181284	33.75	36.75 0.1228567478
ENSG00000181291	0.50	0.25 -1.0000000000
ENSG00000181315	725.75	602.75 -0.2679129210
ENSG00000181322	8.25	12.00 0.5405683814
ENSG00000181333	3.75	2.75 -0.4474589770
ENSG00000181350	4260.00	3697.75 -0.2042057411
ENSG00000181355	0.75	0.50 -0.5849625007
ENSG00000181359	3.25	1.00 -1.7004397181
ENSG00000181374	26.25	29.00 0.1437354775
ENSG00000181378	0.25	0.75 1.5849625007
ENSG00000181381	641.00	831.75 0.3758256043
ENSG00000181392	6.75	10.00 0.5670405927
ENSG00000181396	679.50	541.25 -0.3281784312
ENSG00000181404	233.00	205.75 -0.1794375242
ENSG00000181409	4.50	3.00 -0.5849625007
ENSG00000181418	2.25	1.75 -0.3625700794
ENSG00000181444	12.75	8.50 -0.5849625007
ENSG00000181449	1.00	0.25 -2.0000000000
ENSG00000181450	131.50	114.25 -0.2028686342
ENSG00000181458	1484.75	1407.50 -0.0770851103
ENSG00000181467	928.25	354.00 -1.3907640498
ENSG00000181472	727.75	440.00 -0.7259394106
ENSG00000181481	372.50	436.50 0.2287412283

ENSG00000181513	257.50	236.50	-0.1227322487
ENSG00000181523	1545.25	1237.50	-0.3204117399
ENSG00000181524	1.25	1.00	-0.3219280949
ENSG00000181541	2.00	2.25	0.1699250014
ENSG00000181544	21.25	25.00	0.2344652536
ENSG00000181555	1716.25	1592.25	-0.1081928484
ENSG00000181585	4.00	1.25	-1.6780719051
ENSG00000181588	447.75	328.25	-0.4478984211
ENSG00000181610	430.75	485.00	0.1711339508
ENSG00000181616	1.00	0.50	-1.0000000000
ENSG00000181619	94.50	112.50	0.2515387670
ENSG00000181625	66.25	84.25	0.3467562317
ENSG00000181626	2.50	2.50	0.0000000000
ENSG00000181634	46.75	11.00	-2.0874628413
ENSG00000181638	362.50	296.75	-0.2887329653
ENSG00000181649	35.00	49.25	0.4927688025
ENSG00000181652	5.75	6.75	0.2313255461
ENSG00000181656	1.75	0.25	-2.8073549221
ENSG00000181666	474.00	375.75	-0.3351139550
ENSG00000181690	483.00	448.25	-0.1077196060
ENSG00000181704	938.50	1032.00	0.1370143206
ENSG00000181722	107.25	75.25	-0.5112141607
ENSG00000181741	0.25	0.25	0.0000000000
ENSG00000181744	789.75	778.00	-0.0216258768
ENSG00000181751	183.50	204.75	0.1580833888
ENSG00000181754	328.75	261.75	-0.3288013572
ENSG00000181773	3.50	1.75	-1.0000000000
ENSG00000181778	20.75	23.75	0.1948161770
ENSG00000181781	0.25	0.50	1.0000000000
ENSG00000181788	473.50	400.75	-0.2406619053
ENSG00000181789	4139.50	4127.50	-0.0041883035
ENSG00000181790	2.50	0.50	-2.3219280949
ENSG00000181804	835.25	1037.00	0.3121359115
ENSG00000181817	368.75	307.75	-0.2608841927
ENSG00000181826	109.00	201.75	0.8882405385
ENSG00000181827	1059.25	653.00	-0.6978882318
ENSG00000181830	592.50	945.25	0.6738807902
ENSG00000181847	0.75	0.75	0.0000000000
ENSG00000181852	1344.75	1537.75	0.1934829870
ENSG00000181856	5.25	10.00	0.9296106721
ENSG00000181873	194.00	175.75	-0.1425319631
ENSG00000181885	29.00	40.00	0.4639470998
ENSG00000181894	300.75	222.25	-0.4363813183

ENSG00000181896	112.25	104.00	-0.1101319166
ENSG00000181904	1417.25	1581.25	0.1579712106
ENSG00000181915	416.50	378.25	-0.1389764131
ENSG00000181924	375.00	373.75	-0.0048170163
ENSG00000181929	1430.25	1317.00	-0.1190119988
ENSG00000181938	55.25	40.00	-0.4659744645
ENSG00000181982	527.00	438.25	-0.2660488709
ENSG00000181984	2.75	0.25	-3.4594316186
ENSG00000181991	450.50	465.00	0.0457036102
ENSG00000182004	479.50	457.75	-0.0669709292
ENSG00000182010	196.75	55.25	-1.8323172661
ENSG00000182013	235.50	194.50	-0.2759569046
ENSG00000182022	1043.00	1115.75	0.0972746487
ENSG00000182040	1.75	1.00	-0.8073549221
ENSG00000182050	21.75	15.75	-0.4656635723
ENSG00000182054	757.00	1077.50	0.5093226640
ENSG00000182087	2477.00	2641.50	0.0927635413
ENSG00000182093	707.75	771.25	0.1239587401
ENSG00000182095	4238.00	4452.75	0.0713130261
ENSG00000182103	1.00	2.50	1.3219280949
ENSG00000182107	158.50	262.25	0.7264599324
ENSG00000182108	593.75	549.50	-0.1117361272
ENSG00000182111	5.75	4.50	-0.3536369546
ENSG00000182117	777.25	783.00	0.0106335959
ENSG00000182118	108.75	130.75	0.2657955455
ENSG00000182134	42.50	33.00	-0.3649968168
ENSG00000182141	105.50	93.50	-0.1742047288
ENSG00000182149	2338.50	2089.25	-0.1625982929
ENSG00000182150	646.75	598.50	-0.1118569017
ENSG00000182154	342.25	471.50	0.4622072294
ENSG00000182158	2642.00	3678.00	0.4772910132
ENSG00000182162	17.75	16.75	-0.0836579290
ENSG00000182168	22.75	13.25	-0.7798741856
ENSG00000182173	98.00	102.50	0.0647702554
ENSG00000182175	491.00	597.50	0.2832156886
ENSG00000182177	7.75	5.50	-0.4947646917
ENSG00000182179	985.00	670.50	-0.5548863924
ENSG00000182180	903.50	783.25	-0.2060517365
ENSG00000182183	23.00	10.00	-1.2016338612
ENSG00000182185	87.00	50.00	-0.7990873061
ENSG00000182195	784.75	607.25	-0.3699425389
ENSG00000182196	1549.00	1528.25	-0.0194565770
ENSG00000182197	7203.75	3842.00	-0.9068905956

ENSG00000182199	1765.00	1032.50	-0.7735264019
ENSG00000182208	398.50	408.50	0.0357563542
ENSG00000182218	349.00	298.75	-0.2242883233
ENSG00000182220	4931.25	4520.25	-0.1255508296
ENSG00000182224	472.75	397.75	-0.2492155276
ENSG00000182230	9.00	16.50	0.8744691179
ENSG00000182240	1049.25	1039.75	-0.0131217782
ENSG00000182247	832.50	680.75	-0.2903251949
ENSG00000182253	152.75	127.00	-0.2663438830
ENSG00000182255	0.50	0.50	0.0000000000
ENSG00000182256	2.50	1.75	-0.5145731728
ENSG00000182257	27.25	23.25	-0.2290255137
ENSG00000182261	3.25	9.25	1.5090136475
ENSG00000182263	248.00	139.50	-0.8300749986
ENSG00000182264	4.00	4.50	0.1699250014
ENSG00000182272	78.50	33.25	-1.2393383134
ENSG00000182287	587.25	745.75	0.3447172643
ENSG00000182307	1002.00	1006.75	0.0068229638
ENSG00000182308	3.25	2.50	-0.3785116233
ENSG00000182318	124.00	91.00	-0.4464016702
ENSG00000182324	23.50	27.00	0.2002986505
ENSG00000182325	188.00	237.25	0.3356754253
ENSG00000182326	50377.25	47841.75	-0.0745022075
ENSG00000182327	13.75	7.75	-0.8271634031
ENSG00000182329	35.50	20.50	-0.7921951149
ENSG00000182347	1.25	2.25	0.8479969066
ENSG00000182359	69.00	118.00	0.7741185926
ENSG00000182362	205.25	209.00	0.0261207203
ENSG00000182372	303.00	206.00	-0.5566734563
ENSG00000182378	210.75	158.00	-0.4156080728
ENSG00000182379	30.75	12.25	-1.3278046612
ENSG00000182389	82.50	37.75	-1.1279174749
ENSG00000182397	76.00	42.75	-0.8300749986
ENSG00000182400	564.25	555.50	-0.0225476018
ENSG00000182405	102.00	82.50	-0.3061031277
ENSG00000182446	2075.00	2110.00	0.0241316625
ENSG00000182450	2.25	2.25	0.0000000000
ENSG00000182459	0.50	0.50	0.0000000000
ENSG00000182463	62.50	42.00	-0.5734668619
ENSG00000182472	6.00	9.50	0.6629650127
ENSG00000182473	4341.75	3153.50	-0.4613227241
ENSG00000182481	1432.25	1095.50	-0.3866938534
ENSG00000182484	718.75	625.00	-0.2016338612

ENSG00000182489	2.00	1.00 -1.0000000000
ENSG00000182492	10558.00	7619.75 -0.4705210016
ENSG00000182504	226.50	192.25 -0.2365274521
ENSG00000182508	4.25	1.75 -1.2801079192
ENSG00000182511	293.75	223.00 -0.3975451415
ENSG00000182512	436.25	409.75 -0.0904111820
ENSG00000182518	124.25	113.25 -0.1337348015
ENSG00000182521	4.00	2.50 -0.6780719051
ENSG00000182534	7559.00	8030.25 0.0872495137
ENSG00000182541	584.50	530.50 -0.1398502736
ENSG00000182544	672.75	675.50 0.0058852837
ENSG00000182545	22.75	21.75 -0.0648511443
ENSG00000182551	1310.50	1788.25 0.4484310879
ENSG00000182552	738.25	1406.75 0.9301846069
ENSG00000182568	985.00	692.25 -0.5088305760
ENSG00000182574	1.25	0.25 -2.3219280949
ENSG00000182575	176.00	374.25 1.0884268874
ENSG00000182578	5.75	4.25 -0.4360991148
ENSG00000182580	659.75	245.50 -1.4261964210
ENSG00000182584	13.25	18.00 0.4420045469
ENSG00000182585	0.50	1.75 1.8073549221
ENSG00000182600	9.75	10.25 0.0721497858
ENSG00000182606	1485.25	1366.00 -0.1207483049
ENSG00000182612	91.00	83.50 -0.1240903477
ENSG00000182621	378.00	223.75 -0.7564985521
ENSG00000182628	520.50	357.00 -0.5439740893
ENSG00000182632	2.75	1.00 -1.4594316186
ENSG00000182636	1643.25	1361.50 -0.2713550027
ENSG00000182645	0.50	0.50 0.0000000000
ENSG00000182667	206.00	126.00 -0.7092206037
ENSG00000182670	9024.75	5374.50 -0.7477564233
ENSG00000182674	11.75	2.00 -2.5545888517
ENSG00000182676	0.50	1.50 1.5849625007
ENSG00000182685	27.25	39.25 0.5264364241
ENSG00000182687	1.00	0.50 -1.0000000000
ENSG00000182700	361.00	399.75 0.1470991966
ENSG00000182704	768.75	1382.25 0.8464321612
ENSG00000182712	111.75	107.25 -0.0592971837
ENSG00000182718	20996.00	29850.00 0.5076164288
ENSG00000182732	10.50	2.25 -2.2223924213
ENSG00000182742	316.25	320.25 0.0181330908
ENSG00000182749	565.00	587.75 0.0569517664
ENSG00000182752	7515.25	11024.25 0.5527875076

ENSG00000182768	2367.50	1856.75	-0.3505848474
ENSG00000182771	29.50	18.25	-0.6928184905
ENSG00000182774	6262.75	5722.00	-0.1302767921
ENSG00000182782	0.50	0.75	0.5849625007
ENSG00000182791	6.75	4.50	-0.5849625007
ENSG00000182795	0.75	1.00	0.4150374993
ENSG00000182796	864.00	1020.50	0.2401729649
ENSG00000182809	655.00	992.50	0.5995721956
ENSG00000182810	108.50	109.50	0.0132358272
ENSG00000182827	1556.75	1471.00	-0.0817400326
ENSG00000182831	1647.75	1611.75	-0.0318693870
ENSG00000182836	7.25	55.75	2.9429189048
ENSG00000182841	167.25	153.25	-0.1261191370
ENSG00000182853	9.00	8.50	-0.0824621602
ENSG00000182858	592.25	503.75	-0.2334983598
ENSG00000182866	1.75	1.75	0.0000000000
ENSG00000182870	1.50	0.50	-1.5849625007
ENSG00000182871	3111.25	3963.75	0.3493716471
ENSG00000182872	749.75	682.50	-0.1355805711
ENSG00000182890	13.50	14.75	0.1277555472
ENSG00000182896	0.50	0.75	0.5849625007
ENSG00000182899	5788.50	5232.25	-0.1457580693
ENSG00000182901	57.25	45.75	-0.3235039498
ENSG00000182902	8.75	11.25	0.3625700794
ENSG00000182903	315.50	297.75	-0.0835384971
ENSG00000182916	507.00	325.00	-0.6415460291
ENSG00000182919	479.75	438.50	-0.1297059638
ENSG00000182923	624.00	583.75	-0.0961953843
ENSG00000182931	4.00	1.50	-1.4150374993
ENSG00000182934	3235.00	3083.50	-0.0691968659
ENSG00000182944	3917.50	4074.50	0.0566897560
ENSG00000182950	9.75	3.50	-1.4780472968
ENSG00000182952	838.75	941.75	0.1671032669
ENSG00000182957	1000.50	626.25	-0.6759105638
ENSG00000182963	454.25	346.00	-0.3927144766
ENSG00000182973	349.25	292.75	-0.2545909449
ENSG00000182979	1251.50	1210.25	-0.0483531968
ENSG00000182983	135.00	90.00	-0.5849625007
ENSG00000182985	177.50	62.75	-1.5001316604
ENSG00000182986	335.75	255.00	-0.3968901526
ENSG00000182993	36.25	37.00	0.0295442756
ENSG00000183010	481.00	291.75	-0.7213042381
ENSG00000183011	370.75	388.50	0.0674679060

ENSG00000183018	9.25	4.75 -0.9615258522
ENSG00000183020	762.50	722.75 -0.0772406339
ENSG00000183023	1467.50	803.50 -0.8689905743
ENSG00000183032	36.75	20.50 -0.8421203402
ENSG00000183044	379.50	694.25 0.8713553864
ENSG00000183048	75.75	79.50 0.0697089718
ENSG00000183049	437.25	244.50 -0.8386239190
ENSG00000183054	832.75	594.00 -0.4874205179
ENSG00000183060	140.00	128.25 -0.1264680013
ENSG00000183066	12.00	10.50 -0.1926450779
ENSG00000183067	14.50	9.75 -0.5725787763
ENSG00000183077	255.00	295.75 0.2138809215
ENSG00000183087	14082.00	18190.25 0.3693131233
ENSG00000183090	4.50	0.50 -3.1699250014
ENSG00000183091	19.75	19.25 -0.0369942075
ENSG00000183092	12.50	1.75 -2.8365012677
ENSG00000183098	4372.00	3899.00 -0.1651892463
ENSG00000183111	257.25	153.25 -0.7472840032
ENSG00000183114	0.50	0.25 -1.0000000000
ENSG00000183117	10.00	15.00 0.5849625007
ENSG00000183134	23.75	30.25 0.3490076289
ENSG00000183137	271.00	179.25 -0.5963197327
ENSG00000183145	2.50	2.00 -0.3219280949
ENSG00000183146	0.50	1.75 1.8073549221
ENSG00000183148	1.00	0.75 -0.4150374993
ENSG00000183150	1.75	2.25 0.3625700794
ENSG00000183153	62.75	58.25 -0.1073574093
ENSG00000183155	173.25	180.25 0.0571439071
ENSG00000183160	4378.75	1783.75 -1.2956056533
ENSG00000183161	151.25	126.75 -0.2549493952
ENSG00000183166	1.75	2.75 0.6520766966
ENSG00000183169	1.50	9.50 2.6629650127
ENSG00000183171	6.50	7.75 0.2537565922
ENSG00000183172	56.50	51.75 -0.1266920049
ENSG00000183186	0.50	0.50 0.0000000000
ENSG00000183196	12.75	9.00 -0.5025003405
ENSG00000183199	0.50	1.50 1.5849625007
ENSG00000183206	20.75	16.75 -0.3089502409
ENSG00000183207	734.50	784.00 0.0940911636
ENSG00000183208	67.25	55.25 -0.2835598032
ENSG00000183214	38.50	35.00 -0.1375035237
ENSG00000183246	10.00	3.50 -1.5145731728
ENSG00000183248	2.00	0.50 -2.0000000000

ENSG00000183255	6855.00	7902.25	0.2051068229
ENSG00000183258	1103.50	1065.00	-0.0512331992
ENSG00000183260	54.50	47.75	-0.1907554967
ENSG00000183273	2.75	1.00	-1.4594316186
ENSG00000183281	64.50	58.25	-0.1470411108
ENSG00000183283	3524.25	3441.25	-0.0343835636
ENSG00000183287	5792.75	7580.25	0.3879970265
ENSG00000183291	3060.50	3464.50	0.1788797881
ENSG00000183292	4.25	5.25	0.3048545815
ENSG00000183298	0.75	1.50	1.0000000000
ENSG00000183304	1.00	0.50	-1.0000000000
ENSG00000183307	8.75	8.25	-0.0848888976
ENSG00000183309	205.00	255.75	0.3191103302
ENSG00000183311	2489.50	581.75	-2.0973848047
ENSG00000183317	3.75	2.50	-0.5849625007
ENSG00000183318	0.25	0.50	1.0000000000
ENSG00000183323	157.75	157.25	-0.0045799881
ENSG00000183336	124.25	115.25	-0.1084791011
ENSG00000183337	579.00	550.25	-0.0734761081
ENSG00000183340	393.75	327.50	-0.2657850168
ENSG00000183346	51.25	29.75	-0.7846623362
ENSG00000183347	1.75	2.75	0.6520766966
ENSG00000183354	836.00	699.00	-0.2582104867
ENSG00000183378	2.50	8.50	1.7655347464
ENSG00000183379	0.75	1.00	0.4150374993
ENSG00000183386	420.00	456.75	0.1210154010
ENSG00000183395	5.25	0.25	-4.3923174228
ENSG00000183396	0.50	0.75	0.5849625007
ENSG00000183397	50.75	68.75	0.4379518912
ENSG00000183401	226.25	165.25	-0.4532675205
ENSG00000183423	2.00	1.75	-0.1926450779
ENSG00000183426	1397.00	1508.00	0.1103044079
ENSG00000183431	1325.00	1244.00	-0.0910058742
ENSG00000183439	28.75	29.25	0.0248746686
ENSG00000183444	55.50	38.00	-0.5464883529
ENSG00000183454	26.50	4.75	-2.4799929411
ENSG00000183458	752.25	898.00	0.2555032434
ENSG00000183474	161.75	95.25	-0.7639747145
ENSG00000183475	415.75	386.50	-0.1052478494
ENSG00000183476	6.00	1.75	-1.7776075787
ENSG00000183479	25.00	19.50	-0.3584539709
ENSG00000183484	12.00	7.75	-0.6307661903
ENSG00000183486	126.75	91.75	-0.4662056842

ENSG00000183495	1505.75	1299.25	-0.2128031999
ENSG00000183496	306.75	89.25	-1.7811392696
ENSG00000183506	432.50	347.25	-0.3167254385
ENSG00000183508	167.00	28.75	-2.5382142415
ENSG00000183513	392.50	357.00	-0.1367685797
ENSG00000183520	506.50	468.75	-0.1117435785
ENSG00000183527	324.75	282.00	-0.2036343630
ENSG00000183530	639.50	689.25	0.1080830031
ENSG00000183549	1.00	0.75	-0.4150374993
ENSG00000183560	0.25	0.25	0.0000000000
ENSG00000183569	91.50	78.50	-0.2210790894
ENSG00000183570	95.50	227.75	1.2538784158
ENSG00000183571	0.75	1.50	1.0000000000
ENSG00000183574	61.75	49.50	-0.3190106115
ENSG00000183576	912.50	967.25	0.0840642648
ENSG00000183578	513.25	608.50	0.2455955406
ENSG00000183579	154.00	166.00	0.1082528907
ENSG00000183580	582.25	739.00	0.3439356299
ENSG00000183597	499.75	461.00	-0.1164398163
ENSG00000183598	2.50	3.25	0.3785116233
ENSG00000183604	119.75	121.75	0.0238961163
ENSG00000183605	96.00	86.25	-0.1545099491
ENSG00000183615	50.25	38.50	-0.3842651505
ENSG00000183617	205.50	206.50	0.0070033877
ENSG00000183621	404.25	589.75	0.5448557398
ENSG00000183624	343.25	362.50	0.0787212748
ENSG00000183625	4.50	2.75	-0.7104933828
ENSG00000183628	37.50	46.00	0.2947432656
ENSG00000183629	1.50	1.00	-0.5849625007
ENSG00000183638	35.50	39.00	0.1356550994
ENSG00000183644	10.50	25.50	1.2801079192
ENSG00000183647	52.50	51.75	-0.0207585602
ENSG00000183648	479.25	426.75	-0.1673872786
ENSG00000183655	119.25	168.75	0.5008982359
ENSG00000183662	2.00	2.25	0.1699250014
ENSG00000183665	130.50	115.50	-0.1761569552
ENSG00000183666	212.25	136.75	-0.6342237208
ENSG00000183668	44.00	18.50	-1.2499782530
ENSG00000183671	340.25	362.75	0.0923804526
ENSG00000183682	8.00	6.25	-0.3561438102
ENSG00000183684	422.75	401.75	-0.0735067307
ENSG00000183688	909.50	1457.50	0.6803503404
ENSG00000183690	24.50	34.25	0.4833222388

ENSG00000183691	3.75	10.75	1.5193741591
ENSG00000183696	158.50	79.50	-0.9954560749
ENSG00000183715	0.50	0.50	0.0000000000
ENSG00000183718	297.50	327.00	0.1364009673
ENSG00000183722	2472.50	3635.00	0.5559848432
ENSG00000183723	413.50	664.00	0.6832959122
ENSG00000183726	2082.25	3075.75	0.5627949519
ENSG00000183735	719.50	668.00	-0.1071465843
ENSG00000183741	3966.75	3567.75	-0.1529429501
ENSG00000183742	48.25	30.00	-0.6855664417
ENSG00000183747	24.50	19.00	-0.3667823307
ENSG00000183751	524.25	521.00	-0.0089715838
ENSG00000183760	7.00	6.00	-0.2223924213
ENSG00000183762	2779.75	1973.25	-0.4943813891
ENSG00000183763	37.00	20.25	-0.8696033627
ENSG00000183765	258.75	208.50	-0.3115114789
ENSG00000183770	1.25	0.75	-0.7369655942
ENSG00000183773	10.75	16.25	0.5961030583
ENSG00000183775	105.75	63.00	-0.7472339296
ENSG00000183778	6.25	2.25	-1.4739311883
ENSG00000183779	1131.00	1406.00	0.3139976651
ENSG00000183780	0.25	1.00	2.0000000000
ENSG00000183784	8.75	10.00	0.1926450779
ENSG00000183785	18.75	15.00	-0.3219280949
ENSG00000183793	36.00	30.25	-0.2510617642
ENSG00000183798	5.00	4.00	-0.3219280949
ENSG00000183801	1930.50	863.50	-1.1607064714
ENSG00000183807	5.00	10.00	1.0000000000
ENSG00000183808	483.25	484.00	0.0022373151
ENSG00000183813	12.25	8.25	-0.5703157248
ENSG00000183814	56.25	34.75	-0.6948401185
ENSG00000183826	548.75	530.00	-0.0501566750
ENSG00000183828	105.00	72.50	-0.5343364277
ENSG00000183831	38.75	18.50	-1.0666710396
ENSG00000183833	12.25	12.25	0.0000000000
ENSG00000183837	15.25	7.25	-1.0727563424
ENSG00000183840	15.50	19.25	0.3125902303
ENSG00000183844	0.50	1.50	1.5849625007
ENSG00000183850	6.50	4.00	-0.7004397181
ENSG00000183853	7673.25	6407.00	-0.2601887692
ENSG00000183856	44.50	31.75	-0.4870487442
ENSG00000183864	2219.25	2500.75	0.1722886412
ENSG00000183873	128.00	191.25	0.5793159376

ENSG00000183876	371.50	100.25	-1.8897599741
ENSG00000183878	265.50	184.25	-0.5270472417
ENSG00000183888	7.75	7.75	0.0000000000
ENSG00000183889	1021.50	1229.25	0.2670891511
ENSG00000183891	62.25	79.50	0.3528810232
ENSG00000183908	0.50	1.50	1.5849625007
ENSG00000183914	15.75	17.50	0.1520030934
ENSG00000183918	0.75	2.25	1.5849625007
ENSG00000183921	1.50	0.50	-1.5849625007
ENSG00000183929	5.00	5.00	0.0000000000
ENSG00000183935	264.75	187.50	-0.4977400886
ENSG00000183943	293.75	256.25	-0.1970368471
ENSG00000183955	1422.25	916.50	-0.6339682952
ENSG00000183960	11.50	5.75	-1.0000000000
ENSG00000183963	1989.25	1157.75	-0.7809008420
ENSG00000183971	4.25	2.25	-0.9175378398
ENSG00000183977	4.75	4.25	-0.1604646722
ENSG00000183978	440.50	433.00	-0.0247749942
ENSG00000183979	3.00	1.00	-1.5849625007
ENSG00000184005	12.75	24.25	0.9274875002
ENSG00000184007	3887.50	4147.75	0.0934862650
ENSG00000184009	49949.50	69204.00	0.4703851917
ENSG00000184012	2.50	1.75	-0.5145731728
ENSG00000184014	3518.00	3624.00	0.0428274726
ENSG00000184047	759.00	570.25	-0.4125053441
ENSG00000184056	303.50	250.75	-0.2754468156
ENSG00000184058	6.00	7.00	0.2223924213
ENSG00000184060	31.75	18.50	-0.7792313211
ENSG00000184076	665.50	642.25	-0.0513036810
ENSG00000184083	405.00	505.00	0.3183614799
ENSG00000184084	0.25	0.75	1.5849625007
ENSG00000184106	6.00	2.50	-1.2630344058
ENSG00000184110	8302.50	7091.75	-0.2274041388
ENSG00000184113	1.00	0.25	-2.0000000000
ENSG00000184117	910.50	701.25	-0.3767301515
ENSG00000184139	31.25	24.25	-0.3658714425
ENSG00000184154	170.00	155.50	-0.1286201660
ENSG00000184156	5.75	31.00	2.4306343543
ENSG00000184160	1.50	6.00	2.0000000000
ENSG00000184162	69.50	92.00	0.4046208833
ENSG00000184163	13.25	11.50	-0.2043584985
ENSG00000184164	858.00	730.00	-0.2330811837
ENSG00000184178	325.00	259.00	-0.3274876202

ENSG00000184182	698.25	617.50 -0.1773045318
ENSG00000184185	32.25	54.50 0.7569570694
ENSG00000184194	153.50	107.25 -0.5172610079
ENSG00000184203	820.00	697.50 -0.2334306928
ENSG00000184205	1005.25	565.50 -0.8299554068
ENSG00000184206	222.25	211.50 -0.0715257557
ENSG00000184207	163.25	169.25 0.0520728420
ENSG00000184208	1032.50	768.75 -0.4255553712
ENSG00000184209	204.00	202.50 -0.0106472442
ENSG00000184216	2462.25	2794.50 0.1826129244
ENSG00000184220	158.50	174.25 0.1366758157
ENSG00000184226	57.25	76.25 0.4134616444
ENSG00000184227	54.00	87.50 0.6963236097
ENSG00000184232	1357.00	1078.75 -0.3310601614
ENSG00000184254	2353.00	840.00 -1.4860400876
ENSG00000184258	58.50	55.50 -0.0759488532
ENSG00000184260	1.50	2.50 0.7369655942
ENSG00000184261	3.00	0.50 -2.5849625007
ENSG00000184271	302.00	259.25 -0.2202045605
ENSG00000184276	1.25	1.25 0.0000000000
ENSG00000184277	594.25	563.50 -0.0766543878
ENSG00000184281	344.75	335.50 -0.0392377853
ENSG00000184292	21.75	27.25 0.3252408289
ENSG00000184304	640.25	926.75 0.5335448622
ENSG00000184305	1.75	3.75 1.0995356736
ENSG00000184307	59.00	147.25 1.3194807745
ENSG00000184313	21.00	11.00 -0.9328858041
ENSG00000184319	932.75	677.50 -0.4612695086
ENSG00000184343	62.50	51.25 -0.2863041852
ENSG00000184347	17976.00	14510.50 -0.3089747973
ENSG00000184349	249.75	248.75 -0.0057881524
ENSG00000184350	1.00	0.25 -2.0000000000
ENSG00000184361	1.00	0.50 -1.0000000000
ENSG00000184363	8.25	5.25 -0.6520766966
ENSG00000184368	4.25	4.25 0.0000000000
ENSG00000184371	2883.50	3385.25 0.2314413581
ENSG00000184374	25.25	12.50 -1.0143552930
ENSG00000184378	84.00	81.25 -0.0480215149
ENSG00000184381	286.25	322.75 0.1731414023
ENSG00000184384	1162.75	1108.25 -0.0692575774
ENSG00000184402	240.50	201.75 -0.2534682205
ENSG00000184408	99.00	27.00 -1.8744691179
ENSG00000184414	0.50	0.75 0.5849625007

ENSG00000184428	275.75	255.00 -0.1128636387
ENSG00000184432	4843.75	4316.25 -0.1663459762
ENSG00000184434	6.00	5.25 -0.1926450779
ENSG00000184436	308.00	243.75 -0.3375281321
ENSG00000184445	262.75	225.00 -0.2237657627
ENSG00000184451	60.00	33.25 -0.8516081601
ENSG00000184454	9.75	7.75 -0.3312059085
ENSG00000184465	442.50	327.00 -0.4363868195
ENSG00000184470	332.00	364.00 0.1327552089
ENSG00000184481	600.75	606.50 0.0137429020
ENSG00000184486	0.50	0.50 0.0000000000
ENSG00000184489	22.75	14.00 -0.7004397181
ENSG00000184492	3.50	2.75 -0.3479233034
ENSG00000184494	191.50	132.00 -0.5368064626
ENSG00000184497	70.00	82.25 0.2326607568
ENSG00000184500	1205.25	1232.00 0.0316698263
ENSG00000184508	133.25	113.00 -0.2378127603
ENSG00000184517	218.25	160.25 -0.4456572970
ENSG00000184523	0.25	0.50 1.0000000000
ENSG00000184524	47.25	52.75 0.1588567645
ENSG00000184530	9.75	10.00 0.0365258760
ENSG00000184545	7.25	3.75 -0.9510903995
ENSG00000184557	1310.00	1132.00 -0.2106928536
ENSG00000184560	0.25	0.25 0.0000000000
ENSG00000184564	84.00	11.25 -2.9004643264
ENSG00000184571	1.00	0.25 -2.0000000000
ENSG00000184575	4325.00	2746.00 -0.6553685073
ENSG00000184584	1102.50	1444.50 0.3897915481
ENSG00000184588	284.50	287.00 0.0126220844
ENSG00000184599	2.50	0.25 -3.3219280949
ENSG00000184602	713.50	727.00 0.0270419344
ENSG00000184611	1.75	1.00 -0.8073549221
ENSG00000184612	1.25	0.75 -0.7369655942
ENSG00000184613	0.75	0.50 -0.5849625007
ENSG00000184616	4.00	3.75 -0.0931094044
ENSG00000184617	0.25	0.75 1.5849625007
ENSG00000184619	73.50	51.75 -0.5061853873
ENSG00000184634	1606.50	1207.25 -0.4121965173
ENSG00000184635	53.25	41.50 -0.3596701889
ENSG00000184640	10540.25	7274.50 -0.5349890907
ENSG00000184647	0.25	0.75 1.5849625007
ENSG00000184661	47.50	33.50 -0.5037664179
ENSG00000184672	2.75	1.25 -1.1375035237

ENSG00000184675	169.75	153.00 -0.1498799216
ENSG00000184677	939.75	827.25 -0.1839536237
ENSG00000184678	205.75	168.50 -0.2881438392
ENSG00000184697	3.50	3.50 0.0000000000
ENSG00000184702	475.25	336.50 -0.4980801220
ENSG00000184708	597.25	580.25 -0.0416603311
ENSG00000184716	4.25	4.50 0.0824621602
ENSG00000184719	175.00	164.25 -0.0914615515
ENSG00000184730	2.50	1.25 -1.0000000000
ENSG00000184731	3.00	1.25 -1.2630344058
ENSG00000184735	0.75	0.50 -0.5849625007
ENSG00000184743	2907.75	4254.50 0.5490863568
ENSG00000184752	336.00	302.25 -0.1527188935
ENSG00000184774	2.50	2.25 -0.1520030934
ENSG00000184785	239.75	340.75 0.5071828418
ENSG00000184786	26.00	24.50 -0.0857298740
ENSG00000184787	1537.75	1561.25 0.0218805959
ENSG00000184792	25.25	13.75 -0.8768517692
ENSG00000184831	79.50	65.50 -0.2794599537
ENSG00000184838	261.00	282.75 0.1154772174
ENSG00000184840	3268.25	3094.25 -0.0789285805
ENSG00000184845	1.50	0.75 -1.0000000000
ENSG00000184857	110.25	101.50 -0.1192989284
ENSG00000184860	18.25	11.50 -0.6662626028
ENSG00000184863	1068.00	1197.50 0.1651140089
ENSG00000184867	1786.75	1282.25 -0.4786602170
ENSG00000184887	712.75	758.25 0.0892774587
ENSG00000184895	2.25	1.50 -0.5849625007
ENSG00000184897	684.25	688.25 0.0084091752
ENSG00000184898	995.75	559.50 -0.8316454434
ENSG00000184900	1665.50	1668.75 0.0028124828
ENSG00000184903	115.50	106.50 -0.1170394212
ENSG00000184905	6.75	4.50 -0.5849625007
ENSG00000184908	6.00	10.00 0.7369655942
ENSG00000184916	54.00	18.75 -1.5260688117
ENSG00000184922	594.25	424.25 -0.4861553384
ENSG00000184923	79.50	58.75 -0.4363660087
ENSG00000184924	260.50	238.50 -0.1272941063
ENSG00000184925	0.50	1.25 1.3219280949
ENSG00000184939	920.00	660.25 -0.4786214648
ENSG00000184949	94.75	58.50 -0.6956893186
ENSG00000184961	3.25	2.00 -0.7004397181
ENSG00000184967	163.25	174.25 0.0940756643

ENSG00000184979	82.50	96.25	0.2223924213
ENSG00000184983	122.25	122.00	-0.0029533174
ENSG00000184984	7.75	7.50	-0.0473057148
ENSG00000184985	37.50	107.50	1.5193741591
ENSG00000184986	36.25	33.00	-0.1355149707
ENSG00000184988	97.00	51.25	-0.9204327427
ENSG00000184990	588.50	583.25	-0.0129280131
ENSG00000184992	124.50	134.00	0.1060872584
ENSG00000184995	18.00	11.50	-0.6463630454
ENSG00000185000	302.00	324.75	0.1047809761
ENSG00000185008	88.75	43.25	-1.0370469868
ENSG00000185009	1286.25	1258.25	-0.0317524793
ENSG00000185010	255.75	223.00	-0.1976905298
ENSG00000185013	26.75	17.50	-0.6121839695
ENSG00000185015	22.25	23.50	0.0788554207
ENSG00000185019	256.75	221.50	-0.2130575778
ENSG00000185022	401.75	905.25	1.1720182478
ENSG00000185024	566.50	433.50	-0.3860439626
ENSG00000185031	1.75	0.75	-1.2223924213
ENSG00000185033	634.50	573.50	-0.1458266778
ENSG00000185038	0.25	0.25	0.0000000000
ENSG00000185040	13.75	10.50	-0.3890422907
ENSG00000185043	794.00	736.50	-0.1084534821
ENSG00000185046	19.00	17.25	-0.1394030567
ENSG00000185049	429.75	376.50	-0.1908477748
ENSG00000185052	21.00	58.75	1.4841995238
ENSG00000185055	9.25	7.75	-0.2552570552
ENSG00000185070	1376.50	898.25	-0.6158156746
ENSG00000185085	502.00	516.50	0.0410809849
ENSG00000185087	13.75	16.00	0.2186402865
ENSG00000185088	3206.50	3247.75	0.0184411762
ENSG00000185090	49.75	47.25	-0.0743821963
ENSG00000185100	191.00	121.25	-0.6555878910
ENSG00000185101	9.50	3.00	-1.6629650127
ENSG00000185104	760.75	768.75	0.0150920766
ENSG00000185105	2.25	3.25	0.5305147167
ENSG00000185112	366.25	773.00	1.0776396546
ENSG00000185115	212.50	179.25	-0.2454897223
ENSG00000185122	1071.75	1337.25	0.3193007865
ENSG00000185127	1459.25	1421.25	-0.0380667191
ENSG00000185129	1343.50	1364.25	0.0221117224
ENSG00000185133	4.75	3.25	-0.5474877953
ENSG00000185155	3.75	4.00	0.0931094044

ENSG00000185158	246.00	197.00	-0.3204626859
ENSG00000185163	230.25	268.00	0.2190318444
ENSG00000185164	2901.50	2644.25	-0.1339403463
ENSG00000185182	0.50	0.50	0.0000000000
ENSG00000185187	168.75	184.50	0.1287333141
ENSG00000185189	1292.25	1678.25	0.3770724401
ENSG00000185201	2397.25	2579.25	0.1055712466
ENSG00000185215	1177.75	709.25	-0.7316671814
ENSG00000185219	429.25	306.00	-0.4882864813
ENSG00000185220	86.00	66.00	-0.3818706353
ENSG00000185222	2313.50	3401.00	0.5558819071
ENSG00000185231	1.25	0.50	-1.3219280949
ENSG00000185236	1809.75	1815.75	0.0047751638
ENSG00000185238	233.00	220.25	-0.0811879357
ENSG00000185245	19.50	16.00	-0.2854022189
ENSG00000185246	646.00	556.25	-0.2158007340
ENSG00000185250	61.75	48.00	-0.3634047309
ENSG00000185252	196.75	104.00	-0.9197801074
ENSG00000185261	84.50	93.75	0.1498673491
ENSG00000185262	284.00	458.50	0.6910308041
ENSG00000185267	63.00	36.00	-0.8073549221
ENSG00000185269	1.75	1.25	-0.4854268272
ENSG00000185271	4.50	4.00	-0.1699250014
ENSG00000185274	20.00	26.75	0.4195388915
ENSG00000185278	517.00	411.50	-0.3292718499
ENSG00000185290	3.25	1.75	-0.8930847961
ENSG00000185291	45.00	46.50	0.0473057148
ENSG00000185298	387.50	473.50	0.2891681153
ENSG00000185304	108.25	120.75	0.1576561641
ENSG00000185305	714.25	649.50	-0.1370996055
ENSG00000185306	12.00	2.00	-2.5849625007
ENSG00000185313	0.25	1.25	2.3219280949
ENSG00000185324	562.75	526.25	-0.0967458235
ENSG00000185332	5.00	10.25	1.0356239097
ENSG00000185338	331.00	137.25	-1.2700250678
ENSG00000185339	366.50	263.25	-0.4773796671
ENSG00000185340	347.50	373.50	0.1040952652
ENSG00000185344	470.50	490.00	0.0585870263
ENSG00000185345	68.25	82.25	0.2691866328
ENSG00000185347	28.75	28.25	-0.0253110885
ENSG00000185352	0.50	6.75	3.7548875022
ENSG00000185359	1883.50	2107.25	0.1619454495
ENSG00000185361	118.50	134.50	0.1827191137

ENSG00000185379	430.00	357.25	-0.2674026485
ENSG00000185385	1.25	1.25	0.0000000000
ENSG00000185386	258.50	326.75	0.3380229555
ENSG00000185404	432.50	364.25	-0.2477711605
ENSG00000185414	413.00	347.25	-0.2501670874
ENSG00000185418	254.25	157.00	-0.6954832150
ENSG00000185420	316.00	246.00	-0.3612662428
ENSG00000185432	1404.50	5875.25	2.0645936172
ENSG00000185436	0.25	2.00	3.0000000000
ENSG00000185437	83.50	61.75	-0.4353370609
ENSG00000185442	65.50	94.00	0.5211658501
ENSG00000185453	338.25	304.25	-0.1528326713
ENSG00000185475	568.25	586.50	0.0456053292
ENSG00000185477	5.75	4.00	-0.5235619561
ENSG00000185480	244.50	131.00	-0.9002676534
ENSG00000185482	19.00	9.00	-1.0780025120
ENSG00000185483	1178.50	1272.50	0.1107138977
ENSG00000185485	322.50	275.75	-0.2259382747
ENSG00000185495	108.25	85.75	-0.3361584486
ENSG00000185499	320.75	483.75	0.5928123959
ENSG00000185504	612.00	486.75	-0.3303506740
ENSG00000185507	57.50	40.75	-0.4967618967
ENSG00000185513	159.75	103.50	-0.6261851634
ENSG00000185515	424.00	450.75	0.0882632269
ENSG00000185518	3.50	2.75	-0.3479233034
ENSG00000185519	3.00	4.75	0.6629650127
ENSG00000185522	1.75	8.25	2.2370391973
ENSG00000185523	2.75	2.00	-0.4594316186
ENSG00000185527	4.25	4.50	0.0824621602
ENSG00000185532	1948.50	1233.75	-0.6593138468
ENSG00000185551	2528.75	3945.00	0.6416008855
ENSG00000185559	1.75	3.00	0.7776075787
ENSG00000185561	447.00	738.25	0.7238346200
ENSG00000185565	3467.00	3481.00	0.0058139775
ENSG00000185567	4865.00	3170.25	-0.6178431919
ENSG00000185585	2234.25	912.75	-1.2914989555
ENSG00000185591	2223.75	1977.00	-0.1696817344
ENSG00000185596	365.50	290.00	-0.3338185059
ENSG00000185607	1.00	0.75	-0.4150374993
ENSG00000185608	460.75	469.75	0.0279089958
ENSG00000185614	54.25	52.50	-0.0473057148
ENSG00000185615	1.00	1.50	0.5849625007
ENSG00000185619	1109.25	1029.75	-0.1072904270

ENSG00000185621	430.00	306.50 -0.4884495859
ENSG00000185624	19387.50	17530.75 -0.1452390625
ENSG00000185627	1275.50	1151.50 -0.1475484878
ENSG00000185630	4419.25	3479.75 -0.3448178872
ENSG00000185633	317.50	217.75 -0.5440838731
ENSG00000185634	128.75	108.00 -0.2535411199
ENSG00000185641	2.25	2.50 0.1520030934
ENSG00000185650	5300.75	3059.75 -0.7927827193
ENSG00000185651	1704.00	1741.25 0.0311980173
ENSG00000185652	342.25	246.00 -0.4763922259
ENSG00000185658	1449.00	1425.50 -0.0235895556
ENSG00000185664	21.25	18.50 -0.1999375705
ENSG00000185666	8.00	2.25 -1.8300749986
ENSG00000185668	0.50	0.25 -1.0000000000
ENSG00000185669	9.25	4.75 -0.9615258522
ENSG00000185670	83.50	73.00 -0.1938797336
ENSG00000185674	1.00	1.75 0.8073549221
ENSG00000185681	1.50	1.25 -0.2630344058
ENSG00000185684	335.00	273.00 -0.2952601444
ENSG00000185689	16.50	11.50 -0.5208321633
ENSG00000185697	106.50	54.00 -0.9798221181
ENSG00000185710	62.75	36.75 -0.7718712091
ENSG00000185716	384.25	571.00 0.5714454857
ENSG00000185721	643.00	682.00 0.0849530017
ENSG00000185722	2413.50	2208.00 -0.1283866547
ENSG00000185728	2457.00	2141.25 -0.1984446114
ENSG00000185730	111.25	91.25 -0.2859088721
ENSG00000185736	2.75	1.75 -0.6520766966
ENSG00000185739	8.75	2.75 -1.6698513983
ENSG00000185742	9.25	8.00 -0.2094533656
ENSG00000185745	451.75	124.75 -1.8564847855
ENSG00000185753	264.00	239.25 -0.1420190049
ENSG00000185760	45.75	28.75 -0.6702097873
ENSG00000185761	433.50	417.75 -0.0533921652
ENSG00000185774	19.75	15.50 -0.3495844378
ENSG00000185787	7992.75	7743.50 -0.0457061644
ENSG00000185792	0.50	0.25 -1.0000000000
ENSG00000185798	93.25	99.75 0.0972131160
ENSG00000185800	784.75	832.25 0.0847838416
ENSG00000185803	531.00	679.50 0.3557616900
ENSG00000185808	222.75	204.25 -0.1250893534
ENSG00000185813	375.50	699.75 0.8980266741
ENSG00000185818	2.50	2.25 -0.1520030934

ENSG00000185823	5.00	5.75	0.2016338612
ENSG00000185825	1983.25	2129.25	0.1024788008
ENSG00000185829	159.75	170.75	0.0960696473
ENSG00000185834	1.50	2.75	0.8744691179
ENSG00000185838	78.75	83.00	0.0758314130
ENSG00000185842	78.25	67.75	-0.2078698056
ENSG00000185860	3.25	7.50	1.2064508775
ENSG00000185862	33.75	19.25	-0.8100290564
ENSG00000185863	0.25	0.75	1.5849625007
ENSG00000185864	204.00	192.25	-0.0855855540
ENSG00000185869	124.75	109.75	-0.1848188758
ENSG00000185873	2.50	1.00	-1.3219280949
ENSG00000185875	92.50	51.50	-0.8448809333
ENSG00000185880	213.25	169.50	-0.3312604682
ENSG00000185883	1592.75	1688.50	0.0842223419
ENSG00000185885	730.00	592.50	-0.3010813100
ENSG00000185896	11843.50	10775.50	-0.1363406761
ENSG00000185900	48.75	44.25	-0.1397247637
ENSG00000185905	2.75	3.00	0.1255308821
ENSG00000185909	490.50	471.50	-0.0569953655
ENSG00000185915	0.25	0.75	1.5849625007
ENSG00000185917	344.25	249.25	-0.4658631497
ENSG00000185920	1154.00	1106.25	-0.0609657688
ENSG00000185924	1.50	1.25	-0.2630344058
ENSG00000185933	4.00	5.00	0.3219280949
ENSG00000185946	486.50	450.25	-0.1117135289
ENSG00000185947	139.50	128.50	-0.1184967626
ENSG00000185950	881.00	3570.50	2.0189121940
ENSG00000185955	6.00	5.50	-0.1255308821
ENSG00000185958	4.25	5.50	0.3719687774
ENSG00000185960	6.75	6.25	-0.1110313124
ENSG00000185963	1026.00	1073.00	0.0646193451
ENSG00000185972	21.25	7.50	-1.5025003405
ENSG00000185973	300.25	206.75	-0.5382769165
ENSG00000185985	3.00	2.75	-0.1255308821
ENSG00000185986	80.75	67.00	-0.2693011642
ENSG00000185988	2.25	3.25	0.5305147167
ENSG00000185989	566.75	603.25	0.0900435245
ENSG00000186001	1623.50	1279.00	-0.3440911204
ENSG00000186010	1450.75	1303.75	-0.1541316761
ENSG00000186017	184.00	147.00	-0.3238896112
ENSG00000186020	289.00	225.75	-0.3563435050
ENSG00000186026	115.25	109.75	-0.0705458109

ENSG00000186047	0.25	0.25	0.0000000000
ENSG00000186051	1.00	0.25	-2.0000000000
ENSG00000186063	3596.50	4246.25	0.2395957090
ENSG00000186073	414.00	259.75	-0.6725070186
ENSG00000186075	3.50	3.75	0.0995356736
ENSG00000186082	0.25	0.25	0.0000000000
ENSG00000186088	139.50	190.75	0.4514179350
ENSG00000186094	3.25	2.25	-0.5305147167
ENSG00000186103	0.75	1.00	0.4150374993
ENSG00000186104	178.50	135.25	-0.4002954802
ENSG00000186105	2.00	4.00	1.0000000000
ENSG00000186106	122.00	110.25	-0.1461024920
ENSG00000186111	2466.75	2365.00	-0.0607713253
ENSG00000186118	1.25	0.50	-1.3219280949
ENSG00000186130	252.25	243.75	-0.0494520505
ENSG00000186132	85.75	78.75	-0.1228567478
ENSG00000186141	670.25	647.75	-0.0492622038
ENSG00000186150	1.00	2.25	1.1699250014
ENSG00000186153	225.00	179.00	-0.3299654140
ENSG00000186162	196.50	170.25	-0.2068745142
ENSG00000186166	92.00	75.75	-0.2803879726
ENSG00000186174	3118.75	3301.00	0.0819352281
ENSG00000186184	932.75	892.00	-0.0644467449
ENSG00000186185	20.50	16.75	-0.2914628142
ENSG00000186187	696.25	621.25	-0.1644314758
ENSG00000186188	5.50	5.50	0.0000000000
ENSG00000186191	0.25	0.25	0.0000000000
ENSG00000186193	5.00	6.25	0.3219280949
ENSG00000186197	0.50	0.25	-1.0000000000
ENSG00000186198	67.50	20.50	-1.7192635924
ENSG00000186204	0.75	0.25	-1.5849625007
ENSG00000186205	119.25	75.75	-0.6546714725
ENSG00000186212	3.25	2.75	-0.2410080995
ENSG00000186222	186.00	170.00	-0.1297678750
ENSG00000186230	52.50	47.25	-0.1520030934
ENSG00000186234	5.00	2.00	-1.3219280949
ENSG00000186260	898.50	560.25	-0.6814477600
ENSG00000186265	2.50	0.50	-2.3219280949
ENSG00000186272	109.50	95.50	-0.1973582316
ENSG00000186280	21.25	14.25	-0.5765009220
ENSG00000186281	90.75	111.00	0.2905901284
ENSG00000186283	610.25	636.00	0.0596263755
ENSG00000186288	5.00	2.25	-1.1520030934

ENSG00000186297	0.75	2.00	1.4150374993
ENSG00000186298	2076.75	1992.25	-0.0599288573
ENSG00000186300	155.50	147.25	-0.0786469463
ENSG00000186301	35.75	40.00	0.1620567581
ENSG00000186310	116.25	51.75	-1.1675999485
ENSG00000186312	136.25	119.00	-0.1952946564
ENSG00000186314	31.25	52.75	0.7553149040
ENSG00000186318	4033.25	3578.00	-0.1727894462
ENSG00000186326	3.75	1.25	-1.5849625007
ENSG00000186329	74.25	70.00	-0.0850361039
ENSG00000186334	3.25	4.25	0.3870231231
ENSG00000186335	9.00	7.25	-0.3119440063
ENSG00000186340	18117.00	11348.75	-0.6748106772
ENSG00000186350	1821.50	1877.75	0.0438780031
ENSG00000186352	106.00	128.00	0.2720795454
ENSG00000186354	40.75	31.50	-0.3714482307
ENSG00000186364	76.25	37.75	-1.0142606931
ENSG00000186367	3.25	2.50	-0.3785116233
ENSG00000186376	428.00	386.50	-0.1471423825
ENSG00000186377	37.75	18.25	-1.0485801804
ENSG00000186395	188.50	215.25	0.1914487141
ENSG00000186399	111.25	75.50	-0.5592567865
ENSG00000186407	2.75	1.50	-0.8744691179
ENSG00000186409	97.50	78.50	-0.3127095649
ENSG00000186416	143.50	157.75	0.1365892683
ENSG00000186417	1139.00	765.50	-0.5732934642
ENSG00000186432	2192.75	1763.00	-0.3147088621
ENSG00000186446	44.75	36.00	-0.3138907758
ENSG00000186448	292.75	217.50	-0.4286537698
ENSG00000186451	1.00	0.25	-2.0000000000
ENSG00000186452	1.75	2.50	0.5145731728
ENSG00000186453	4.25	3.25	-0.3870231231
ENSG00000186462	42.50	78.25	0.8806279108
ENSG00000186468	12632.00	11163.25	-0.1783259706
ENSG00000186469	599.75	245.00	-1.2915795033
ENSG00000186470	666.50	443.25	-0.5884842442
ENSG00000186472	2.25	0.50	-2.1699250014
ENSG00000186479	2.25	1.50	-0.5849625007
ENSG00000186480	406.75	178.75	-1.1861991040
ENSG00000186481	6.25	3.75	-0.7369655942
ENSG00000186487	4.75	3.75	-0.3410369178
ENSG00000186493	105.00	121.00	0.2046177196
ENSG00000186496	91.75	77.75	-0.2388654827

ENSG00000186501	698.75	677.50 -0.0445554315
ENSG00000186510	5.50	7.00 0.3479233034
ENSG00000186517	7.00	5.00 -0.4854268272
ENSG00000186522	2870.00	2588.75 -0.1487950885
ENSG00000186523	166.00	115.50 -0.5232903899
ENSG00000186526	5.50	6.25 0.1844245711
ENSG00000186529	10.50	10.50 0.0000000000
ENSG00000186532	278.75	233.75 -0.2540054400
ENSG00000186564	18.25	17.75 -0.0400774394
ENSG00000186566	1645.25	1438.00 -0.1942431461
ENSG00000186567	433.50	404.25 -0.1007842197
ENSG00000186575	1904.50	3185.75 0.7422207687
ENSG00000186577	346.50	314.75 -0.1386489744
ENSG00000186591	6548.50	6326.25 -0.0498139114
ENSG00000186603	4.00	5.00 0.3219280949
ENSG00000186625	409.50	378.75 -0.1126175633
ENSG00000186628	45.25	42.75 -0.0819933722
ENSG00000186635	3480.25	2491.50 -0.4821763702
ENSG00000186638	27.50	22.50 -0.2895066172
ENSG00000186642	4.25	2.50 -0.7655347464
ENSG00000186645	4.25	3.50 -0.2801079192
ENSG00000186648	2.50	4.75 0.9259994186
ENSG00000186654	416.25	327.25 -0.3470570800
ENSG00000186660	2586.00	2288.25 -0.1764775945
ENSG00000186665	342.25	189.75 -0.8509506558
ENSG00000186666	169.00	126.00 -0.4235995128
ENSG00000186676	6.25	6.25 0.0000000000
ENSG00000186684	13.50	8.00 -0.7548875022
ENSG00000186687	449.00	378.50 -0.2464221448
ENSG00000186704	25.00	25.75 0.0426443374
ENSG00000186710	0.50	0.50 0.0000000000
ENSG00000186714	19.25	11.50 -0.7432245846
ENSG00000186715	35.00	26.75 -0.3878160305
ENSG00000186716	866.50	863.50 -0.0050035716
ENSG00000186765	20.50	27.00 0.3973354975
ENSG00000186767	80.00	63.50 -0.3332434081
ENSG00000186777	2.00	2.00 0.0000000000
ENSG00000186787	97.00	101.25 0.0618652556
ENSG00000186790	0.25	0.50 1.0000000000
ENSG00000186792	47.50	52.25 0.1375035237
ENSG00000186806	28.00	23.50 -0.2527660704
ENSG00000186812	673.25	531.25 -0.3417513886
ENSG00000186814	610.50	452.75 -0.4312766540

ENSG00000186815	1704.50	2095.25	0.2977737935
ENSG00000186827	2.25	0.75	-1.5849625007
ENSG00000186831	0.25	0.25	0.0000000000
ENSG00000186834	1152.75	1198.25	0.0558492742
ENSG00000186854	160.75	105.25	-0.6109985043
ENSG00000186862	32.50	37.25	0.1968007074
ENSG00000186866	1858.50	1657.75	-0.1649122332
ENSG00000186868	25.00	15.00	-0.7369655942
ENSG00000186871	7.75	5.50	-0.4947646917
ENSG00000186889	97.50	73.00	-0.4175057549
ENSG00000186891	1.25	1.50	0.2630344058
ENSG00000186897	1.00	1.50	0.5849625007
ENSG00000186907	106.25	44.75	-1.2475032538
ENSG00000186908	1002.75	794.75	-0.3353889497
ENSG00000186912	0.75	1.00	0.4150374993
ENSG00000186918	2434.50	3877.75	0.6715942947
ENSG00000186919	1.75	8.00	2.1926450779
ENSG00000186951	895.50	933.25	0.0595701713
ENSG00000186952	78.50	39.25	-1.0000000000
ENSG00000186973	1.25	1.50	0.2630344058
ENSG00000186976	99.00	61.50	-0.6868421147
ENSG00000186994	21.25	11.50	-0.8858289801
ENSG00000186998	8.00	2.25	-1.8300749986
ENSG00000187010	23.00	16.25	-0.5011941430
ENSG00000187017	1.00	0.25	-2.0000000000
ENSG00000187021	2.50	0.75	-1.7369655942
ENSG00000187024	102.25	103.00	0.0105434942
ENSG00000187033	0.75	0.25	-1.5849625007
ENSG00000187037	3.00	2.00	-0.5849625007
ENSG00000187045	2.50	2.25	-0.1520030934
ENSG00000187048	2.50	2.50	0.0000000000
ENSG00000187049	193.00	153.50	-0.3303621919
ENSG00000187051	627.75	711.00	0.1796594363
ENSG00000187066	42.50	34.25	-0.3113588532
ENSG00000187068	14.00	13.25	-0.0794344675
ENSG00000187079	6809.50	10735.25	0.6567350140
ENSG00000187091	642.25	690.00	0.1034613768
ENSG00000187094	15.50	34.25	1.1438357726
ENSG00000187097	385.25	426.75	0.1475961965
ENSG00000187098	1375.25	1407.25	0.0331847452
ENSG00000187105	11.75	8.25	-0.5101947323
ENSG00000187109	10850.25	12970.75	0.2575336180
ENSG00000187118	167.00	201.75	0.2727205708

ENSG00000187122	8.50	4.25	-1.0000000000
ENSG00000187123	8.75	6.50	-0.4288432988
ENSG00000187134	9333.75	16017.75	0.7791427768
ENSG00000187144	3.50	2.75	-0.3479233034
ENSG00000187147	1116.75	1141.50	0.0316246049
ENSG00000187151	11.00	29.50	1.4232114307
ENSG00000187164	184.00	165.50	-0.1528745492
ENSG00000187166	0.25	0.50	1.0000000000
ENSG00000187172	2.75	1.25	-1.1375035237
ENSG00000187173	3.50	2.50	-0.4854268272
ENSG00000187180	1.00	0.25	-2.0000000000
ENSG00000187186	57.00	44.00	-0.3734583955
ENSG00000187187	70.50	52.50	-0.4253058347
ENSG00000187189	605.75	405.25	-0.5799103139
ENSG00000187193	40.25	336.75	3.0646172573
ENSG00000187210	1431.75	2025.25	0.5003204040
ENSG00000187231	1532.75	1192.00	-0.3627381688
ENSG00000187239	1467.25	2257.00	0.6212917104
ENSG00000187240	1971.00	1884.00	-0.0651288114
ENSG00000187243	712.75	587.75	-0.2781935003
ENSG00000187244	662.25	481.00	-0.4613390446
ENSG00000187257	437.25	387.00	-0.1761248178
ENSG00000187260	10.25	10.75	0.0687127501
ENSG00000187266	159.50	121.25	-0.3955716767
ENSG00000187268	11.25	3.25	-1.7914133782
ENSG00000187288	3.50	33.00	3.2370391973
ENSG00000187323	7.25	8.00	0.1420190049
ENSG00000187325	471.75	395.75	-0.2534331675
ENSG00000187372	103.75	73.75	-0.4923963820
ENSG00000187391	571.25	486.50	-0.2316824552
ENSG00000187398	3.75	2.00	-0.9068905956
ENSG00000187446	2225.75	2653.25	0.2534690627
ENSG00000187479	38.50	69.75	0.8573347711
ENSG00000187486	1.50	0.50	-1.5849625007
ENSG00000187492	9.00	16.00	0.8300749986
ENSG00000187498	1400.50	3488.00	1.3164580567
ENSG00000187510	0.25	0.25	0.0000000000
ENSG00000187514	9277.75	8443.00	-0.1360192575
ENSG00000187522	445.75	417.25	-0.0953227483
ENSG00000187531	216.75	221.00	0.0280143762
ENSG00000187533	1.25	1.25	0.0000000000
ENSG00000187535	878.25	803.50	-0.1283336475
ENSG00000187546	4.00	1.00	-2.0000000000

ENSG00000187553	3.75	3.25 -0.2064508775
ENSG00000187554	5.75	5.50 -0.0641303374
ENSG00000187555	1807.25	1773.75 -0.0269934062
ENSG00000187556	7.50	4.75 -0.6589630822
ENSG00000187566	27.50	21.75 -0.3384162177
ENSG00000187583	13.25	12.25 -0.1132106104
ENSG00000187595	7.75	4.00 -0.9541963104
ENSG00000187601	456.75	347.25 -0.3954300346
ENSG00000187605	291.50	218.25 -0.4175142296
ENSG00000187607	310.00	260.25 -0.2523700520
ENSG00000187608	218.00	182.75 -0.2544567288
ENSG00000187609	177.75	186.50 0.0693260706
ENSG00000187624	85.25	60.00 -0.5067373334
ENSG00000187626	148.50	108.00 -0.4594316186
ENSG00000187627	68.75	91.25 0.4084648454
ENSG00000187630	273.75	264.00 -0.0523210351
ENSG00000187634	137.75	40.25 -1.7749916305
ENSG00000187642	4.75	3.25 -0.5474877953
ENSG00000187650	97.25	80.00 -0.2816982501
ENSG00000187653	2.75	2.50 -0.1375035237
ENSG00000187664	13.50	12.00 -0.1699250014
ENSG00000187672	1.75	1.50 -0.2223924213
ENSG00000187676	259.75	286.75 0.1426697371
ENSG00000187678	112.50	140.75 0.3232099209
ENSG00000187682	0.50	0.25 -1.0000000000
ENSG00000187686	3.00	3.00 0.0000000000
ENSG00000187688	419.75	391.25 -0.1014395731
ENSG00000187695	1.00	1.25 0.3219280949
ENSG00000187699	86.50	61.75 -0.4862609961
ENSG00000187713	556.75	522.50 -0.0915986158
ENSG00000187715	2.50	3.00 0.2630344058
ENSG00000187720	4132.50	2321.00 -0.8322682968
ENSG00000187726	6.00	9.25 0.6244908649
ENSG00000187735	2874.50	2076.75 -0.4689834763
ENSG00000187736	218.00	212.25 -0.0385635812
ENSG00000187741	93.50	57.25 -0.7076906718
ENSG00000187742	691.00	595.00 -0.2157960422
ENSG00000187747	0.25	0.25 0.0000000000
ENSG00000187753	2.25	0.50 -2.1699250014
ENSG00000187754	1.25	0.50 -1.3219280949
ENSG00000187758	176.75	331.25 0.9062102395
ENSG00000187762	0.25	0.50 1.0000000000
ENSG00000187764	235.75	184.00 -0.3575520046

ENSG00000187775	58.00	49.50	-0.2286243750
ENSG00000187778	769.25	782.50	0.0246382135
ENSG00000187790	173.50	120.00	-0.5319012570
ENSG00000187791	1.25	0.75	-0.7369655942
ENSG00000187792	183.50	125.25	-0.5509694596
ENSG00000187796	27.75	30.50	0.1363214712
ENSG00000187800	126.75	139.50	0.1382793748
ENSG00000187801	34.25	16.00	-1.0980320830
ENSG00000187808	8.25	13.75	0.7369655942
ENSG00000187815	67.75	66.25	-0.0323004919
ENSG00000187824	168.25	151.50	-0.1512887111
ENSG00000187837	211.75	223.75	0.0795257128
ENSG00000187838	1524.00	1205.75	-0.3379320927
ENSG00000187840	342.00	257.00	-0.4122279657
ENSG00000187848	3.75	0.75	-2.3219280949
ENSG00000187860	56.75	40.00	-0.5046203924
ENSG00000187866	470.75	338.50	-0.4758052610
ENSG00000187867	6.50	4.50	-0.5305147167
ENSG00000187871	0.75	0.50	-0.5849625007
ENSG00000187889	14.75	9.75	-0.5972408305
ENSG00000187893	1.00	1.00	0.0000000000
ENSG00000187902	1.75	1.00	-0.8073549221
ENSG00000187905	19.00	10.25	-0.8903755088
ENSG00000187908	0.50	0.75	0.5849625007
ENSG00000187912	3.00	3.00	0.0000000000
ENSG00000187922	0.25	0.25	0.0000000000
ENSG00000187942	31.50	24.75	-0.3479233034
ENSG00000187944	3.75	0.50	-2.9068905956
ENSG00000187950	10.50	19.25	0.8744691179
ENSG00000187951	134.50	135.50	0.0106866788
ENSG00000187952	4.00	1.25	-1.6780719051
ENSG00000187953	196.50	186.00	-0.0792266912
ENSG00000187954	1046.75	1040.25	-0.0089866297
ENSG00000187955	8649.50	4286.25	-1.0129007384
ENSG00000187957	5.00	14.25	1.5109619193
ENSG00000187961	214.75	201.75	-0.0900894579
ENSG00000187980	5.75	6.50	0.1768777621
ENSG00000187984	7.00	6.50	-0.1069152039
ENSG00000187987	81.25	38.75	-1.0681715026
ENSG00000187994	26.00	28.50	0.1324502960
ENSG00000187997	4.50	2.25	-1.0000000000
ENSG00000188000	9.75	13.75	0.4959574947
ENSG00000188001	7.50	11.75	0.6476982561

ENSG00000188002	153.25	130.25 -0.2346037014
ENSG00000188004	56.50	32.50 -0.7978111494
ENSG00000188010	186.50	188.50 0.0153888930
ENSG00000188013	17.00	18.00 0.0824621602
ENSG00000188015	125.50	65.25 -0.9436375574
ENSG00000188021	1292.75	1095.50 -0.2388538205
ENSG00000188026	510.25	463.50 -0.1386349384
ENSG00000188032	2.00	1.00 -1.0000000000
ENSG00000188033	57.00	71.00 0.3168571053
ENSG00000188038	3.50	1.50 -1.2223924213
ENSG00000188039	4.25	5.00 0.2344652536
ENSG00000188042	1686.25	909.00 -0.8914662436
ENSG00000188051	10.50	7.50 -0.4854268272
ENSG00000188060	76.75	56.25 -0.4483136542
ENSG00000188064	0.75	1.00 0.4150374993
ENSG00000188070	1423.50	872.00 -0.7070424530
ENSG00000188089	1.50	1.75 0.2223924213
ENSG00000188092	217.75	210.00 -0.0522833909
ENSG00000188095	6.50	5.00 -0.3785116233
ENSG00000188107	24.50	29.00 0.2432711510
ENSG00000188112	286.25	395.50 0.4664020015
ENSG00000188124	1.00	0.50 -1.0000000000
ENSG00000188130	481.25	519.50 0.1103372084
ENSG00000188152	9.50	7.50 -0.3410369178
ENSG00000188153	597.50	300.75 -0.9903739757
ENSG00000188157	2331.75	1952.50 -0.2560905690
ENSG00000188158	542.00	464.00 -0.2241680462
ENSG00000188163	2.50	1.25 -1.0000000000
ENSG00000188167	20.25	20.50 0.0177020017
ENSG00000188171	187.25	151.75 -0.3032692022
ENSG00000188176	106.75	11.75 -3.1835034079
ENSG00000188177	415.75	382.75 -0.1193138858
ENSG00000188186	664.50	682.00 0.0375025397
ENSG00000188191	442.00	379.75 -0.2189964049
ENSG00000188199	45.00	55.00 0.2895066172
ENSG00000188211	95.75	83.50 -0.1974962895
ENSG00000188215	480.25	695.50 0.5342649009
ENSG00000188223	89.00	77.50 -0.1996090257
ENSG00000188227	110.75	69.50 -0.6722218158
ENSG00000188229	2367.75	2054.00 -0.2050805797
ENSG00000188234	167.75	130.00 -0.3678011432
ENSG00000188243	1028.25	1115.75 0.1178227348
ENSG00000188257	71.50	107.75 0.5916727223

ENSG00000188263	0.25	0.25	0.0000000000
ENSG00000188266	73.25	64.75	-0.1779485667
ENSG00000188269	3.25	1.00	-1.7004397181
ENSG00000188277	40.50	42.50	0.0695409333
ENSG00000188283	277.75	208.25	-0.4154704160
ENSG00000188290	7.50	16.25	1.1154772174
ENSG00000188295	85.00	66.75	-0.3486950045
ENSG00000188305	2.50	2.50	0.0000000000
ENSG00000188306	0.25	0.25	0.0000000000
ENSG00000188312	215.75	57.75	-1.9014677078
ENSG00000188313	1025.50	992.50	-0.0471884844
ENSG00000188315	181.75	206.75	0.1859319653
ENSG00000188316	30.75	18.75	-0.7136958148
ENSG00000188321	231.50	186.25	-0.3137717679
ENSG00000188322	20.00	8.50	-1.2344652536
ENSG00000188338	3.25	1.75	-0.8930847961
ENSG00000188342	369.75	261.75	-0.4983606102
ENSG00000188343	1018.75	1065.50	0.0647305338
ENSG00000188352	920.00	718.25	-0.3571477734
ENSG00000188368	20.25	10.50	-0.9475325801
ENSG00000188372	59.00	60.00	0.0242475462
ENSG00000188375	0.25	1.00	2.0000000000
ENSG00000188385	21.75	8.00	-1.4429434958
ENSG00000188388	10.00	8.00	-0.3219280949
ENSG00000188394	0.25	0.75	1.5849625007
ENSG00000188396	5.50	4.00	-0.4594316186
ENSG00000188404	4.75	6.50	0.4525122047
ENSG00000188419	741.00	669.25	-0.1469283087
ENSG00000188428	354.25	198.50	-0.8356288458
ENSG00000188452	472.25	642.50	0.4441456577
ENSG00000188459	0.50	0.50	0.0000000000
ENSG00000188460	0.75	0.25	-1.5849625007
ENSG00000188467	0.25	0.50	1.0000000000
ENSG00000188483	787.75	458.75	-0.7800296913
ENSG00000188486	227.25	228.25	0.0063345658
ENSG00000188487	3.50	4.75	0.4405725914
ENSG00000188488	5.75	8.50	0.5639008852
ENSG00000188493	262.25	217.75	-0.2682700540
ENSG00000188501	46.75	5.50	-3.0874628413
ENSG00000188505	9.25	7.75	-0.2552570552
ENSG00000188508	0.75	0.75	0.0000000000
ENSG00000188517	7.50	11.75	0.6476982561
ENSG00000188522	262.50	266.50	0.0218181102

ENSG00000188523	0.50	0.50	0.0000000000
ENSG00000188529	1591.00	1559.00	-0.0293129076
ENSG00000188542	65.50	52.50	-0.3191774839
ENSG00000188549	1109.00	1154.75	0.0583211807
ENSG00000188554	5683.50	5595.25	-0.0225770472
ENSG00000188559	322.25	272.50	-0.2419241287
ENSG00000188566	229.50	263.25	0.1979393776
ENSG00000188573	17.00	5.75	-1.5639008852
ENSG00000188580	4.00	9.25	1.2094533656
ENSG00000188582	3.00	0.50	-2.5849625007
ENSG00000188596	127.50	106.75	-0.2562611772
ENSG00000188599	155.25	189.25	0.2857000318
ENSG00000188603	543.50	610.25	0.1671203548
ENSG00000188610	37.50	20.25	-0.8889686876
ENSG00000188611	63.75	72.00	0.1755715646
ENSG00000188612	3110.75	2429.50	-0.3566030228
ENSG00000188613	33.00	65.00	0.9779736937
ENSG00000188624	0.50	0.25	-1.0000000000
ENSG00000188626	17.00	10.50	-0.6951454185
ENSG00000188629	35.25	31.25	-0.1737670677
ENSG00000188636	1151.25	940.50	-0.2917013075
ENSG00000188641	2513.25	2516.25	0.0017210799
ENSG00000188643	1205.50	1095.25	-0.1383714363
ENSG00000188647	1573.50	1696.00	0.1081589913
ENSG00000188649	7.25	4.25	-0.7705181539
ENSG00000188659	27.75	19.25	-0.5276293257
ENSG00000188662	0.50	0.25	-1.0000000000
ENSG00000188672	12.25	8.25	-0.5703157248
ENSG00000188674	3.00	2.75	-0.1255308821
ENSG00000188676	4.50	5.00	0.1520030934
ENSG00000188677	566.25	519.00	-0.1257046066
ENSG00000188681	158.75	164.75	0.0535218733
ENSG00000188687	36.00	38.00	0.0780025120
ENSG00000188690	927.00	824.00	-0.1699250014
ENSG00000188706	1277.75	1922.00	0.5890027448
ENSG00000188707	7.50	3.25	-1.2064508775
ENSG00000188710	8.00	7.00	-0.1926450779
ENSG00000188725	960.00	849.75	-0.1759959491
ENSG00000188729	5.75	3.00	-0.9385994553
ENSG00000188730	2.50	0.25	-3.3219280949
ENSG00000188732	48.75	56.75	0.2192181735
ENSG00000188735	523.75	482.50	-0.1183493964
ENSG00000188738	202.75	146.50	-0.4688012498

ENSG00000188739	507.75	463.75	-0.1307710528
ENSG00000188747	25.75	22.25	-0.2107670962
ENSG00000188755	0.25	0.25	0.0000000000
ENSG00000188760	126.25	132.00	0.0642545417
ENSG00000188761	8.25	10.50	0.3479233034
ENSG00000188763	8.75	7.50	-0.2223924213
ENSG00000188765	1.00	0.75	-0.4150374993
ENSG00000188766	88.25	77.50	-0.1873999680
ENSG00000188770	2.50	1.25	-1.0000000000
ENSG00000188778	1.50	2.00	0.4150374993
ENSG00000188779	4.75	8.25	0.7964666059
ENSG00000188783	14609.75	13440.25	-0.1203715174
ENSG00000188785	243.25	211.50	-0.2017821417
ENSG00000188786	530.00	690.50	0.3816490548
ENSG00000188807	140.00	124.00	-0.1750867066
ENSG00000188811	680.50	741.25	0.1233650379
ENSG00000188817	5.25	1.50	-1.8073549221
ENSG00000188818	33.75	37.00	0.1326377686
ENSG00000188820	8.50	4.25	-1.0000000000
ENSG00000188822	4.50	4.25	-0.0824621602
ENSG00000188827	342.50	222.50	-0.6222986520
ENSG00000188828	0.25	0.50	1.0000000000
ENSG00000188833	2.00	0.25	-3.0000000000
ENSG00000188846	10220.00	9091.25	-0.1688446200
ENSG00000188848	1.00	0.25	-2.0000000000
ENSG00000188850	0.25	0.25	0.0000000000
ENSG00000188856	0.25	0.75	1.5849625007
ENSG00000188859	6.50	8.25	0.3439544012
ENSG00000188868	59.00	35.00	-0.7533600324
ENSG00000188869	41.00	18.50	-1.1480986390
ENSG00000188873	0.25	1.00	2.0000000000
ENSG00000188878	222.50	137.00	-0.6996294429
ENSG00000188895	2503.50	2303.75	-0.1199622896
ENSG00000188897	20.75	20.75	0.0000000000
ENSG00000188906	914.00	1140.25	0.3190840998
ENSG00000188916	18.00	80.75	2.1654653533
ENSG00000188917	243.50	173.50	-0.4889861095
ENSG00000188921	765.75	882.00	0.2039051940
ENSG00000188933	678.00	677.25	-0.0015967849
ENSG00000188938	694.00	610.25	-0.1855352728
ENSG00000188958	54.00	48.25	-0.1624304649
ENSG00000188959	1.50	2.50	0.7369655942
ENSG00000188976	1102.50	1133.00	0.0393692054

ENSG00000188981	5.50	6.00	0.1255308821
ENSG00000188984	0.75	0.25	-1.5849625007
ENSG00000188985	7.75	2.25	-1.7842713089
ENSG00000188986	1244.00	1334.50	0.1013128200
ENSG00000188992	1.50	1.00	-0.5849625007
ENSG00000188993	30.50	37.00	0.2787160281
ENSG00000188994	1324.25	1093.00	-0.2768821076
ENSG00000188997	556.75	519.25	-0.1006003419
ENSG00000189001	341.00	250.75	-0.4435220384
ENSG00000189007	259.00	107.75	-1.2652642286
ENSG00000189014	10.50	9.00	-0.2223924213
ENSG00000189042	137.75	115.50	-0.2541594672
ENSG00000189043	1639.50	1753.25	0.0967758263
ENSG00000189045	13.50	13.25	-0.0269670476
ENSG00000189046	153.50	128.00	-0.2620948454
ENSG00000189050	202.00	176.50	-0.1946871095
ENSG00000189051	3.50	1.75	-1.0000000000
ENSG00000189056	121.25	90.25	-0.4259859102
ENSG00000189057	27.25	19.00	-0.5202568113
ENSG00000189058	324.00	589.50	0.8634980001
ENSG00000189060	2215.75	2076.25	-0.0938149451
ENSG00000189067	6650.75	4729.00	-0.4919818996
ENSG00000189077	406.25	484.75	0.2548730853
ENSG00000189079	763.50	569.00	-0.4241995045
ENSG00000189089	1.00	0.75	-0.4150374993
ENSG00000189091	2969.25	2472.25	-0.2642739286
ENSG00000189108	1.00	0.25	-2.0000000000
ENSG00000189114	240.00	201.75	-0.2504657323
ENSG00000189120	3.50	2.00	-0.8073549221
ENSG00000189129	582.00	488.00	-0.2541380053
ENSG00000189134	22.25	19.75	-0.1719526828
ENSG00000189136	146.00	123.00	-0.2473100535
ENSG00000189143	26.00	25.50	-0.0280143762
ENSG00000189144	70.75	45.00	-0.6528051465
ENSG00000189152	1.50	3.25	1.1154772174
ENSG00000189157	57.25	32.00	-0.8392037881
ENSG00000189159	486.00	504.25	0.0531828650
ENSG00000189164	131.50	99.50	-0.4022943687
ENSG00000189166	0.25	0.50	1.0000000000
ENSG00000189171	1923.25	1868.00	-0.0420518533
ENSG00000189180	642.75	531.00	-0.2755458440
ENSG00000189184	9042.25	4453.75	-1.0216612275
ENSG00000189190	111.75	103.00	-0.1176304940

ENSG00000189195	34.00	31.25	-0.1216785566
ENSG00000189212	45.75	31.00	-0.5615035279
ENSG00000189221	467.25	4267.00	3.1909555415
ENSG00000189227	136.75	174.00	0.3475464731
ENSG00000189233	15.75	10.75	-0.5510151688
ENSG00000189241	2149.25	1628.50	-0.4002895866
ENSG00000189266	1566.00	2086.25	0.4138278370
ENSG00000189269	5.50	2.50	-1.1375035237
ENSG00000189280	1.00	0.50	-1.0000000000
ENSG00000189283	42.00	25.25	-0.7341059400
ENSG00000189292	2.50	7.00	1.4854268272
ENSG00000189298	186.00	119.25	-0.6413133551
ENSG00000189306	740.00	659.25	-0.1666996047
ENSG00000189308	396.00	324.75	-0.2861709046
ENSG00000189319	445.00	314.00	-0.5030407770
ENSG00000189320	1026.00	1624.75	0.6631870170
ENSG00000189332	94.00	102.50	0.1248912478
ENSG00000189334	2.75	2.00	-0.4594316186
ENSG00000189337	842.00	703.25	-0.2597825858
ENSG00000189339	3799.00	2483.50	-0.6132449652
ENSG00000189343	48.50	44.50	-0.1241794112
ENSG00000189350	35.00	67.25	0.9421793456
ENSG00000189362	161.25	175.50	0.1221718700
ENSG00000189366	0.50	3.25	2.7004397181
ENSG00000189367	161.25	333.00	1.0462230168
ENSG00000189369	355.25	298.00	-0.2535223188
ENSG00000189376	269.00	278.75	0.0513656323
ENSG00000189398	100.00	57.25	-0.8046524017
ENSG00000189401	1.00	1.75	0.8073549221
ENSG00000189403	4312.50	3628.50	-0.2491511867
ENSG00000189409	100.25	95.50	-0.0700295984
ENSG00000189410	53.50	77.25	0.5299960415
ENSG00000189420	17.75	49.50	1.4796095006
ENSG00000189423	3.50	6.25	0.8365012677
ENSG00000196071	2.00	1.00	-1.0000000000
ENSG00000196072	629.50	415.00	-0.6010950415
ENSG00000196074	33.75	31.50	-0.0995356736
ENSG00000196081	15.50	7.50	-1.0473057148
ENSG00000196083	218.50	164.75	-0.4073548145
ENSG00000196091	1.25	0.75	-0.7369655942
ENSG00000196092	2.25	1.50	-0.5849625007
ENSG00000196104	3.00	0.75	-2.0000000000
ENSG00000196109	0.50	1.00	1.0000000000

ENSG00000196110	68.75	61.50 -0.1607733031
ENSG00000196114	0.75	0.25 -1.5849625007
ENSG00000196116	306.25	385.50 0.3320210160
ENSG00000196118	47.00	27.00 -0.7997013495
ENSG00000196123	434.75	221.25 -0.9745085723
ENSG00000196131	8.25	6.50 -0.3439544012
ENSG00000196136	155.75	1240.75 2.9939083863
ENSG00000196139	942.50	502.25 -0.9080869594
ENSG00000196141	4567.00	4183.25 -0.1266225706
ENSG00000196150	202.25	122.75 -0.7204166781
ENSG00000196151	133.75	101.75 -0.3945100970
ENSG00000196152	182.75	96.50 -0.9212705587
ENSG00000196154	4364.25	3215.25 -0.4408028289
ENSG00000196155	359.00	143.75 -1.3204218880
ENSG00000196159	2650.00	3495.50 0.3995064753
ENSG00000196166	5.75	3.25 -0.8231222379
ENSG00000196169	2.50	3.75 0.5849625007
ENSG00000196172	40.00	30.25 -0.4030648576
ENSG00000196177	615.50	673.50 0.1299190890
ENSG00000196182	763.00	548.00 -0.4775071639
ENSG00000196183	2.00	1.00 -1.0000000000
ENSG00000196187	803.50	712.75 -0.1729018897
ENSG00000196188	0.25	0.50 1.0000000000
ENSG00000196189	45.00	29.75 -0.5970353330
ENSG00000196196	17.00	40.75 1.2612653130
ENSG00000196199	1430.75	1152.25 -0.3123178392
ENSG00000196204	268.50	250.25 -0.1015520191
ENSG00000196205	206.00	174.00 -0.2435570313
ENSG00000196208	24.50	13.50 -0.8598223420
ENSG00000196209	2.25	2.25 0.0000000000
ENSG00000196214	345.00	212.00 -0.7025320971
ENSG00000196218	16.00	2.00 -3.0000000000
ENSG00000196220	160.25	91.50 -0.8084807083
ENSG00000196227	395.25	300.00 -0.3978029619
ENSG00000196230	2498.75	1099.75 -1.1840309657
ENSG00000196233	377.00	359.50 -0.0685727528
ENSG00000196235	3072.00	2503.25 -0.2953758356
ENSG00000196236	355.50	346.75 -0.0359536773
ENSG00000196242	169.50	165.75 -0.0322764030
ENSG00000196247	132.00	79.75 -0.7269815056
ENSG00000196260	1.00	0.75 -0.4150374993
ENSG00000196262	9442.50	9581.50 0.0210826513
ENSG00000196263	436.75	326.00 -0.4219357387

ENSG00000196267	135.25	105.50 -0.3583855951
ENSG00000196268	192.50	145.75 -0.4013625624
ENSG00000196275	459.00	451.25 -0.0245672216
ENSG00000196277	3.50	2.00 -0.8073549221
ENSG00000196284	103.25	105.50 0.0311012173
ENSG00000196290	306.50	246.75 -0.3128369892
ENSG00000196296	17.50	11.75 -0.5746941653
ENSG00000196305	3962.00	2273.50 -0.8013138761
ENSG00000196312	47.25	51.50 0.1242581030
ENSG00000196313	1024.75	1155.50 0.1732452698
ENSG00000196323	2373.25	2275.00 -0.0609975378
ENSG00000196335	8.25	9.50 0.2035333941
ENSG00000196337	3.50	2.75 -0.3479233034
ENSG00000196338	52.00	32.75 -0.6670167166
ENSG00000196344	17.75	21.25 0.2596438166
ENSG00000196345	68.75	45.00 -0.6114347121
ENSG00000196352	1380.25	1309.25 -0.0761889963
ENSG00000196353	0.75	1.25 0.7369655942
ENSG00000196357	62.75	56.25 -0.1577623627
ENSG00000196358	76.25	67.00 -0.1865762420
ENSG00000196361	0.25	0.25 0.0000000000
ENSG00000196363	601.25	650.00 0.1124747293
ENSG00000196365	1395.75	1128.50 -0.3066341376
ENSG00000196367	2347.50	2054.25 -0.1925133911
ENSG00000196368	234.00	197.00 -0.2483129001
ENSG00000196369	926.75	822.75 -0.1717260887
ENSG00000196371	241.50	298.50 0.3057077424
ENSG00000196372	215.50	353.75 0.7150422786
ENSG00000196376	2.50	1.00 -1.3219280949
ENSG00000196378	66.50	66.25 -0.0054338861
ENSG00000196381	19.75	19.25 -0.0369942075
ENSG00000196387	245.75	204.00 -0.2686222644
ENSG00000196388	85.50	80.50 -0.0869356368
ENSG00000196391	84.00	27.25 -1.6241330980
ENSG00000196396	850.00	839.25 -0.0183622093
ENSG00000196403	0.50	0.25 -1.0000000000
ENSG00000196405	1079.00	696.75 -0.6309818624
ENSG00000196407	21.50	12.00 -0.8413022540
ENSG00000196408	1.75	1.25 -0.4854268272
ENSG00000196411	1663.25	816.00 -1.0273639764
ENSG00000196417	187.75	185.75 -0.0154506970
ENSG00000196418	46.75	40.25 -0.2159775818
ENSG00000196419	5062.50	4539.50 -0.1573166012

ENSG00000196420	2.00	3.25	0.7004397181
ENSG00000196422	255.25	211.75	-0.2695489915
ENSG00000196428	1018.25	755.25	-0.4310656303
ENSG00000196433	0.75	2.25	1.5849625007
ENSG00000196436	12.25	17.75	0.5350372754
ENSG00000196437	132.00	96.25	-0.4556794838
ENSG00000196440	331.25	248.75	-0.4132239289
ENSG00000196449	92.00	97.75	0.0874628413
ENSG00000196453	377.00	317.00	-0.2500816831
ENSG00000196455	716.00	785.00	0.1327330665
ENSG00000196456	113.25	95.50	-0.2459384120
ENSG00000196458	603.75	414.00	-0.5443205162
ENSG00000196459	302.75	184.25	-0.7164623406
ENSG00000196460	198.25	136.00	-0.5437142145
ENSG00000196465	1081.25	764.50	-0.5001117261
ENSG00000196466	57.00	48.50	-0.2329771720
ENSG00000196468	0.25	0.25	0.0000000000
ENSG00000196470	439.50	352.00	-0.3202877365
ENSG00000196476	161.50	70.75	-1.1907321119
ENSG00000196482	4.75	5.25	0.1443899093
ENSG00000196497	592.00	505.50	-0.2278860837
ENSG00000196498	4586.75	4185.25	-0.1321584730
ENSG00000196502	78.00	54.50	-0.5172178941
ENSG00000196503	7.25	2.00	-1.8579809951
ENSG00000196504	2138.00	2008.00	-0.0905025838
ENSG00000196505	275.00	211.25	-0.3804802772
ENSG00000196507	710.25	1379.50	0.9577466252
ENSG00000196510	727.75	637.00	-0.1921495619
ENSG00000196511	86.25	36.25	-1.2505434617
ENSG00000196517	432.50	80.50	-2.4256394444
ENSG00000196526	2742.50	1738.75	-0.6574411059
ENSG00000196531	8806.00	7405.50	-0.2498896985
ENSG00000196535	2479.25	1720.75	-0.5268662458
ENSG00000196544	114.25	110.00	-0.0546906415
ENSG00000196547	1181.25	1083.00	-0.1252810864
ENSG00000196549	11589.50	9630.00	-0.2672106230
ENSG00000196550	36.00	24.50	-0.5552151573
ENSG00000196557	67.00	47.00	-0.5115003388
ENSG00000196562	3547.00	1934.25	-0.8748250564
ENSG00000196564	1.25	2.00	0.6780719051
ENSG00000196565	6.25	6.75	0.1110313124
ENSG00000196569	7417.25	27033.75	1.8658053486
ENSG00000196576	12738.25	9804.75	-0.3776143412

ENSG00000196581	0.75	2.25	1.5849625007
ENSG00000196584	46.00	40.00	-0.2016338612
ENSG00000196586	1545.50	1530.50	-0.0140706093
ENSG00000196588	968.75	1188.25	0.2946420913
ENSG00000196591	1587.00	1116.75	-0.5069958735
ENSG00000196593	21.50	18.00	-0.2563397533
ENSG00000196597	48.75	60.75	0.3174821899
ENSG00000196600	5.75	4.25	-0.4360991148
ENSG00000196604	0.50	0.50	0.0000000000
ENSG00000196605	190.75	123.75	-0.6242545319
ENSG00000196611	983.50	467.25	-1.0737303885
ENSG00000196616	30877.75	56864.50	0.8809606418
ENSG00000196620	1.25	2.25	0.8479969066
ENSG00000196628	2106.00	1667.50	-0.3368186750
ENSG00000196632	31.25	36.25	0.2141248054
ENSG00000196636	93.25	90.25	-0.0471767934
ENSG00000196639	893.00	516.00	-0.7912891097
ENSG00000196642	1205.25	1233.50	0.0334252859
ENSG00000196646	162.50	165.00	0.0220263063
ENSG00000196652	464.75	375.00	-0.3095642695
ENSG00000196653	51.25	49.50	-0.0501234794
ENSG00000196655	243.25	258.75	0.0891190576
ENSG00000196656	1980.50	1594.25	-0.3129868200
ENSG00000196659	117.00	74.00	-0.6609113540
ENSG00000196660	2.50	0.50	-2.3219280949
ENSG00000196663	1372.75	1460.50	0.0893934469
ENSG00000196664	1.50	1.25	-0.2630344058
ENSG00000196666	7.75	3.75	-1.0473057148
ENSG00000196670	463.25	391.50	-0.2427786687
ENSG00000196678	331.25	230.00	-0.5262865934
ENSG00000196683	2382.25	2212.00	-0.1069734360
ENSG00000196684	4.50	5.50	0.2895066172
ENSG00000196689	129.75	142.00	0.1301563911
ENSG00000196693	331.75	289.25	-0.1977795063
ENSG00000196700	1078.50	816.00	-0.4023851192
ENSG00000196704	1121.50	936.00	-0.2608491855
ENSG00000196705	258.00	217.50	-0.2463556647
ENSG00000196711	17.00	16.50	-0.0430687219
ENSG00000196712	2788.50	2381.25	-0.2277701784
ENSG00000196715	850.75	1233.75	0.5362429334
ENSG00000196724	87.00	52.50	-0.7286979782
ENSG00000196730	2031.75	2168.25	0.0938082153
ENSG00000196735	16.00	14.50	-0.1420190049

ENSG00000196739	666.25	354.00 -0.9123142676
ENSG00000196743	1372.75	1608.25 0.2284227774
ENSG00000196747	4.25	3.00 -0.5025003405
ENSG00000196754	22.00	14.50 -0.6014506235
ENSG00000196757	149.00	132.25 -0.1720446083
ENSG00000196776	2650.00	1975.50 -0.4237745134
ENSG00000196781	785.00	1328.75 0.7593051326
ENSG00000196782	164.25	231.50 0.4951188229
ENSG00000196787	42.00	33.00 -0.3479233034
ENSG00000196792	802.50	738.75 -0.1194151669
ENSG00000196793	61.50	52.50 -0.2282689877
ENSG00000196796	2.50	2.50 0.0000000000
ENSG00000196812	30.25	24.50 -0.3041533932
ENSG00000196814	216.00	195.75 -0.1420190049
ENSG00000196821	2138.50	2047.25 -0.0629119193
ENSG00000196826	5.50	22.25 2.0163018123
ENSG00000196834	5.50	6.50 0.2410080995
ENSG00000196839	162.50	99.00 -0.7149392878
ENSG00000196843	385.00	569.75 0.5654705737
ENSG00000196844	6.50	4.50 -0.5305147167
ENSG00000196850	341.00	690.00 1.0168246226
ENSG00000196860	1.25	1.00 -0.3219280949
ENSG00000196865	622.75	561.00 -0.1506523456
ENSG00000196867	295.50	247.75 -0.2542730730
ENSG00000196873	164.50	169.75 0.0453239905
ENSG00000196876	851.25	689.00 -0.3050789102
ENSG00000196878	319.50	204.75 -0.6419524793
ENSG00000196890	9.25	8.50 -0.1219905244
ENSG00000196911	251.50	193.75 -0.3763620896
ENSG00000196912	181.00	112.25 -0.6892742523
ENSG00000196914	5934.00	6670.25 0.1687359076
ENSG00000196917	26.50	19.00 -0.4799929411
ENSG00000196922	452.25	337.00 -0.4243719114
ENSG00000196923	3113.25	4517.25 0.5370233270
ENSG00000196924	60782.25	88492.50 0.5419051071
ENSG00000196932	130.75	30.25 -2.1118038990
ENSG00000196933	0.50	0.25 -1.0000000000
ENSG00000196935	1973.00	1641.25 -0.2655959449
ENSG00000196937	1139.25	1443.75 0.3417365760
ENSG00000196943	960.00	894.25 -0.1023561926
ENSG00000196946	5.25	3.25 -0.6918777046
ENSG00000196950	1137.50	513.50 -1.1474303637
ENSG00000196954	827.75	846.25 0.0318888231

ENSG00000196961	4052.75	4164.00	0.0390688853
ENSG00000196967	317.25	289.25	-0.1333032047
ENSG00000196968	701.00	796.75	0.1847126698
ENSG00000196972	26.75	22.50	-0.2496138901
ENSG00000196975	3314.75	6613.25	0.9964593750
ENSG00000196976	184.00	150.50	-0.2899422793
ENSG00000196981	176.75	142.25	-0.3132815625
ENSG00000196993	11.25	10.25	-0.1343010917
ENSG00000196998	1150.00	1201.50	0.0632027873
ENSG00000197006	2142.25	1608.75	-0.4131867036
ENSG00000197008	93.75	51.50	-0.8642462582
ENSG00000197013	129.75	110.75	-0.2284278398
ENSG00000197016	313.50	355.75	0.1823983137
ENSG00000197019	240.50	226.75	-0.0849343432
ENSG00000197020	37.00	27.00	-0.4545658635
ENSG00000197021	275.50	268.00	-0.0398193181
ENSG00000197024	302.75	291.00	-0.0571078068
ENSG00000197037	235.50	219.50	-0.1015061201
ENSG00000197043	10409.75	18244.75	0.8095459611
ENSG00000197044	238.00	165.25	-0.5263113018
ENSG00000197045	1600.75	2178.50	0.4445871033
ENSG00000197046	15.50	7.75	-1.0000000000
ENSG00000197050	125.00	140.00	0.1634987323
ENSG00000197054	59.50	48.50	-0.2949049211
ENSG00000197056	257.50	199.00	-0.3718040015
ENSG00000197061	0.50	0.25	-1.0000000000
ENSG00000197062	467.25	289.75	-0.6893860027
ENSG00000197063	869.50	860.50	-0.0150108353
ENSG00000197070	273.00	331.00	0.2779302659
ENSG00000197077	19.50	17.50	-0.1561192019
ENSG00000197081	13667.50	11399.50	-0.2617788286
ENSG00000197083	40.50	32.50	-0.3174821899
ENSG00000197093	541.00	388.75	-0.4767859188
ENSG00000197102	19125.25	17277.25	-0.1466050028
ENSG00000197106	6.00	7.25	0.2730184944
ENSG00000197111	8983.25	8304.50	-0.1133441755
ENSG00000197114	326.50	300.75	-0.1185182544
ENSG00000197119	581.50	345.00	-0.7531828298
ENSG00000197121	439.25	322.25	-0.4468619276
ENSG00000197122	1255.75	1281.25	0.0290027296
ENSG00000197124	58.75	32.00	-0.8765169466
ENSG00000197128	156.25	121.50	-0.3628998759
ENSG00000197134	13.50	7.75	-0.8006911918

ENSG00000197136	1290.50	1240.75	-0.0567176868
ENSG00000197140	111.50	100.00	-0.1570437101
ENSG00000197142	131.50	97.75	-0.4278941920
ENSG00000197147	30.75	30.25	-0.0236512681
ENSG00000197149	3.00	2.25	-0.4150374993
ENSG00000197150	608.25	539.50	-0.1730414555
ENSG00000197157	4925.25	5008.25	0.0241096240
ENSG00000197162	214.25	185.25	-0.2098216618
ENSG00000197165	11.25	8.50	-0.4043902551
ENSG00000197168	20.50	23.00	0.1660099514
ENSG00000197170	807.25	741.50	-0.1225688432
ENSG00000197181	9.50	7.00	-0.4405725914
ENSG00000197183	216.25	169.25	-0.3535442989
ENSG00000197191	18.75	16.75	-0.1627295000
ENSG00000197208	34.50	13.25	-1.3806040022
ENSG00000197213	0.25	0.25	0.0000000000
ENSG00000197217	1515.25	1904.50	0.3298564454
ENSG00000197223	231.75	282.75	0.2869576854
ENSG00000197226	5087.50	5204.50	0.0328026801
ENSG00000197233	0.25	0.75	1.5849625007
ENSG00000197238	15.25	12.25	-0.3160274934
ENSG00000197245	3.75	2.50	-0.5849625007
ENSG00000197253	1.00	1.00	0.0000000000
ENSG00000197256	17485.25	17742.75	0.0210912109
ENSG00000197258	5.00	7.00	0.4854268272
ENSG00000197261	4.25	3.25	-0.3870231231
ENSG00000197265	509.50	602.75	0.2424775994
ENSG00000197275	63.50	53.50	-0.2472177004
ENSG00000197279	14.25	8.00	-0.8328900142
ENSG00000197283	577.50	460.75	-0.3258367807
ENSG00000197296	307.25	335.75	0.1279743891
ENSG00000197299	12.50	9.00	-0.4739311883
ENSG00000197302	275.00	269.75	-0.0278086589
ENSG00000197312	445.75	738.75	0.7288514274
ENSG00000197321	12101.00	6840.25	-0.8230053142
ENSG00000197323	1013.00	832.50	-0.2831119968
ENSG00000197324	12762.00	13912.50	0.1245272484
ENSG00000197329	106.50	81.00	-0.3948596173
ENSG00000197343	1362.00	1331.75	-0.0324034225
ENSG00000197345	316.75	312.00	-0.0217985903
ENSG00000197355	785.50	597.75	-0.3940690506
ENSG00000197358	3.25	7.25	1.1575412770
ENSG00000197361	19.50	22.25	0.1903312121

ENSG00000197362	93.00	70.50 -0.3996074587
ENSG00000197363	202.25	214.50 0.0848379451
ENSG00000197372	97.00	68.50 -0.5018807592
ENSG00000197375	160.50	96.50 -0.7339724499
ENSG00000197376	1.50	1.00 -0.5849625007
ENSG00000197380	398.00	263.00 -0.5977056313
ENSG00000197381	725.00	3388.25 2.2244874267
ENSG00000197385	7.00	6.00 -0.2223924213
ENSG00000197386	1974.50	1771.50 -0.1565159023
ENSG00000197405	26.50	19.25 -0.4611339139
ENSG00000197406	32.00	42.25 0.4008794363
ENSG00000197408	2.25	2.00 -0.1699250014
ENSG00000197409	1.50	1.50 0.0000000000
ENSG00000197410	7.25	6.50 -0.1575412770
ENSG00000197415	551.50	771.75 0.4847726920
ENSG00000197417	237.00	260.25 0.1350111044
ENSG00000197429	291.25	247.50 -0.2348295246
ENSG00000197442	1290.50	1889.00 0.5496925603
ENSG00000197444	0.75	1.75 1.2223924213
ENSG00000197446	4.75	4.50 -0.0780025120
ENSG00000197448	2099.75	2066.50 -0.0230282045
ENSG00000197451	1034.50	1212.25 0.2287536085
ENSG00000197457	567.50	319.00 -0.8310639684
ENSG00000197461	52.75	90.75 0.7827265493
ENSG00000197465	42.00	44.50 0.0834160082
ENSG00000197467	140.50	145.25 0.0479680332
ENSG00000197471	20.75	14.25 -0.5421494172
ENSG00000197472	10.75	8.75 -0.2969817378
ENSG00000197475	1.75	0.75 -1.2223924213
ENSG00000197479	26.50	22.25 -0.2521870236
ENSG00000197483	95.50	75.50 -0.3390240887
ENSG00000197496	1946.50	2468.00 0.3424600498
ENSG00000197497	107.50	67.00 -0.6821036591
ENSG00000197498	450.75	435.75 -0.0488268273
ENSG00000197506	12.00	9.00 -0.4150374993
ENSG00000197530	1021.00	799.00 -0.3537154579
ENSG00000197535	1906.75	1905.75 -0.0007568236
ENSG00000197536	241.75	164.75 -0.5532374245
ENSG00000197540	1.50	0.75 -1.0000000000
ENSG00000197548	632.00	559.75 -0.1751419353
ENSG00000197549	0.25	0.25 0.0000000000
ENSG00000197550	2.50	2.25 -0.1520030934
ENSG00000197555	2817.50	1875.75 -0.5869480522

ENSG00000197557	261.50	165.75	-0.6578020761
ENSG00000197558	36.50	21.00	-0.7975071361
ENSG00000197561	21.00	27.25	0.3758669020
ENSG00000197562	226.00	206.00	-0.1336784352
ENSG00000197563	810.50	835.25	0.0433958918
ENSG00000197565	16.75	8.25	-1.0216950711
ENSG00000197566	124.25	80.25	-0.6306725544
ENSG00000197568	173.25	154.50	-0.1652485142
ENSG00000197576	85.50	68.25	-0.3250953740
ENSG00000197579	591.25	575.50	-0.0389523501
ENSG00000197580	43.75	20.50	-1.0936591072
ENSG00000197582	1.50	1.75	0.2223924213
ENSG00000197584	1.00	0.50	-1.0000000000
ENSG00000197586	911.75	1110.75	0.2848239417
ENSG00000197587	1.25	2.50	1.0000000000
ENSG00000197588	0.25	0.50	1.0000000000
ENSG00000197594	441.25	834.00	0.9184511053
ENSG00000197599	13.25	11.75	-0.1733316029
ENSG00000197601	1229.75	1249.75	0.0232744720
ENSG00000197603	838.00	794.50	-0.0769030244
ENSG00000197608	315.75	221.00	-0.5147363644
ENSG00000197614	1272.75	1196.25	-0.0894301409
ENSG00000197617	0.25	0.25	0.0000000000
ENSG00000197619	188.50	174.50	-0.1113374871
ENSG00000197620	227.50	212.00	-0.1018022805
ENSG00000197622	1082.75	1036.75	-0.0626321252
ENSG00000197629	1.00	1.50	0.5849625007
ENSG00000197632	9.25	10.25	0.1480986390
ENSG00000197635	2231.25	1685.50	-0.4046755418
ENSG00000197646	477.50	391.00	-0.2883321256
ENSG00000197647	73.75	58.75	-0.3280541977
ENSG00000197653	18.50	17.75	-0.0597062461
ENSG00000197694	11158.25	11893.25	0.0920322256
ENSG00000197696	90.00	76.00	-0.2439255829
ENSG00000197702	5226.50	6635.75	0.3444143856
ENSG00000197712	4713.50	3945.00	-0.2567734278
ENSG00000197713	852.00	704.75	-0.2737418577
ENSG00000197714	22.75	18.75	-0.2789759497
ENSG00000197724	1015.00	913.25	-0.1523979737
ENSG00000197728	1035.75	870.75	-0.2503453474
ENSG00000197734	1.75	2.75	0.6520766966
ENSG00000197744	2.25	0.50	-2.1699250014
ENSG00000197746	46016.25	39307.00	-0.2273571607

ENSG00000197747	2919.50	2317.00	-0.3334632669
ENSG00000197748	5.75	3.75	-0.6166713604
ENSG00000197753	30.75	22.25	-0.4667810744
ENSG00000197756	10515.00	9827.75	-0.0975157863
ENSG00000197757	37.00	29.00	-0.3514723705
ENSG00000197763	210.75	184.25	-0.1938680118
ENSG00000197766	238.75	240.75	0.0120350649
ENSG00000197768	6.00	7.00	0.2223924213
ENSG00000197769	44.50	200.75	2.1735227466
ENSG00000197771	998.75	1243.00	0.3156307932
ENSG00000197774	229.50	219.00	-0.0675632838
ENSG00000197776	94.50	72.25	-0.3873167417
ENSG00000197779	147.50	159.75	0.1151009767
ENSG00000197780	377.75	419.75	0.1520985698
ENSG00000197782	225.00	194.75	-0.2083016732
ENSG00000197785	378.75	430.50	0.1847673490
ENSG00000197798	382.00	332.50	-0.2002182976
ENSG00000197808	107.75	85.75	-0.3294792929
ENSG00000197816	172.75	144.25	-0.2601143917
ENSG00000197818	662.25	554.00	-0.2574899623
ENSG00000197822	34.25	31.25	-0.1322477983
ENSG00000197826	33.00	19.25	-0.7776075787
ENSG00000197837	14.50	23.00	0.6655809609
ENSG00000197841	281.75	243.00	-0.2134592966
ENSG00000197847	41.50	47.25	0.1872029929
ENSG00000197852	243.25	207.75	-0.2275913280
ENSG00000197857	150.50	125.25	-0.2649528836
ENSG00000197858	1853.25	1678.25	-0.1430998690
ENSG00000197859	2.00	2.50	0.3219280949
ENSG00000197860	452.25	677.50	0.5831004436
ENSG00000197863	124.75	94.50	-0.4006535811
ENSG00000197870	0.50	0.75	0.5849625007
ENSG00000197872	431.50	212.75	-1.0202014275
ENSG00000197879	7253.75	9792.00	0.4328765343
ENSG00000197880	2.00	2.75	0.4594316186
ENSG00000197882	3.25	4.75	0.5474877953
ENSG00000197885	293.25	222.75	-0.3967056765
ENSG00000197889	7.75	6.25	-0.3103401206
ENSG00000197892	829.00	863.75	0.0592417038
ENSG00000197893	0.25	0.25	0.0000000000
ENSG00000197894	7914.50	8746.75	0.1442488485
ENSG00000197903	379.50	351.50	-0.1105751963
ENSG00000197905	90.00	152.25	0.7584453216

ENSG00000197912	1308.75	1144.75	-0.1931569721
ENSG00000197915	31.50	32.50	0.0450878895
ENSG00000197919	1.25	0.75	-0.7369655942
ENSG00000197927	47.75	53.25	0.1572807922
ENSG00000197928	310.50	246.50	-0.3330056218
ENSG00000197930	3026.50	3423.25	0.1777163052
ENSG00000197933	52.50	54.75	0.0605415419
ENSG00000197935	3.00	3.00	0.0000000000
ENSG00000197937	347.00	291.75	-0.2502030069
ENSG00000197943	28.75	79.75	1.4719225628
ENSG00000197948	680.00	726.00	0.0944348019
ENSG00000197951	248.50	210.25	-0.2411400513
ENSG00000197953	1.00	0.50	-1.0000000000
ENSG00000197956	25122.50	20323.75	-0.3058134145
ENSG00000197958	15692.50	12941.75	-0.2780424953
ENSG00000197959	89.25	38.25	-1.2223924213
ENSG00000197961	246.00	225.50	-0.1255308821
ENSG00000197965	5415.50	5857.75	0.1132520779
ENSG00000197969	2594.50	2425.50	-0.0971743563
ENSG00000197971	658.25	603.25	-0.1258796058
ENSG00000197976	948.00	864.75	-0.1326039505
ENSG00000197977	7.75	4.75	-0.7062687969
ENSG00000197978	84.50	48.00	-0.8159169356
ENSG00000197980	7.75	9.75	0.3312059085
ENSG00000197982	679.50	683.75	0.0089953769
ENSG00000197993	6.75	3.75	-0.8479969066
ENSG00000198000	919.75	778.00	-0.2414716160
ENSG00000198001	577.75	501.25	-0.2049150231
ENSG00000198003	15.75	7.25	-1.1192989284
ENSG00000198015	612.75	524.50	-0.2243558063
ENSG00000198018	366.00	207.25	-0.8204715468
ENSG00000198019	2.50	2.50	0.0000000000
ENSG00000198026	510.75	402.50	-0.3436285157
ENSG00000198028	17.25	16.75	-0.0424352663
ENSG00000198034	16401.75	14327.75	-0.1950376832
ENSG00000198039	60.00	44.50	-0.4311571646
ENSG00000198040	706.50	486.50	-0.5382497556
ENSG00000198042	330.75	395.25	0.2570243061
ENSG00000198046	326.00	170.75	-0.9329863859
ENSG00000198053	2452.25	2624.00	0.0976616547
ENSG00000198055	263.00	328.25	0.3197322116
ENSG00000198056	50.50	32.75	-0.6247884812
ENSG00000198060	742.75	698.00	-0.0896496636

ENSG00000198062	1.75	2.25	0.3625700794
ENSG00000198064	13.25	11.75	-0.1733316029
ENSG00000198074	22.25	9.25	-1.2662800653
ENSG00000198075	8.50	2.75	-1.6280312226
ENSG00000198077	5.00	6.75	0.4329594073
ENSG00000198081	297.00	219.00	-0.4395320612
ENSG00000198087	613.00	594.00	-0.0454241429
ENSG00000198089	224.25	208.75	-0.1033317876
ENSG00000198093	132.00	111.75	-0.2402630982
ENSG00000198099	14.75	24.75	0.7467135707
ENSG00000198105	378.50	222.75	-0.7648678685
ENSG00000198108	31.00	63.00	1.0230836131
ENSG00000198113	708.25	755.00	0.0922179478
ENSG00000198121	6536.75	8269.25	0.3391829646
ENSG00000198130	440.75	350.25	-0.3315755189
ENSG00000198131	335.50	288.00	-0.2202439548
ENSG00000198133	45.75	31.75	-0.5270151515
ENSG00000198142	250.50	213.75	-0.2288861834
ENSG00000198146	1211.00	1238.25	0.0321037559
ENSG00000198153	0.75	0.75	0.0000000000
ENSG00000198155	17.50	11.50	-0.6057210609
ENSG00000198156	14.50	6.75	-1.1030934930
ENSG00000198157	118.50	109.75	-0.1106661194
ENSG00000198160	1257.50	1145.25	-0.1348958372
ENSG00000198162	2698.25	2181.50	-0.3067035503
ENSG00000198168	119.75	95.50	-0.3264530177
ENSG00000198169	412.50	242.75	-0.7649228237
ENSG00000198171	596.00	671.25	0.1715378524
ENSG00000198176	1649.00	1934.75	0.2305557608
ENSG00000198178	2.25	1.25	-0.8479969066
ENSG00000198182	173.00	148.00	-0.2251748620
ENSG00000198185	130.50	92.25	-0.5004289905
ENSG00000198189	1249.75	1867.50	0.5794687160
ENSG00000198198	1232.25	1263.25	0.0358451989
ENSG00000198203	20.75	7.50	-1.4681488357
ENSG00000198205	115.25	84.00	-0.4563055177
ENSG00000198208	17.50	27.00	0.6256044852
ENSG00000198218	1634.50	1470.25	-0.1527878866
ENSG00000198223	8.50	7.25	-0.2294818461
ENSG00000198225	1.00	1.00	0.0000000000
ENSG00000198231	3256.50	2900.00	-0.1672693264
ENSG00000198237	27.25	21.50	-0.3419195701
ENSG00000198242	7227.25	6487.75	-0.1557285723

ENSG00000198246	180.25	122.00	-0.5631181117
ENSG00000198252	565.75	601.50	0.0884000579
ENSG00000198258	1158.25	1259.25	0.1206180486
ENSG00000198265	1236.75	1192.00	-0.0531696637
ENSG00000198270	195.00	130.75	-0.5766631775
ENSG00000198276	425.75	435.00	0.0310088711
ENSG00000198286	0.50	0.50	0.0000000000
ENSG00000198298	26.50	24.75	-0.0985638345
ENSG00000198300	188.50	163.00	-0.2096925590
ENSG00000198301	898.00	840.00	-0.0963261171
ENSG00000198315	1582.25	1376.25	-0.2012350040
ENSG00000198324	324.50	386.25	0.2513164548
ENSG00000198326	4.00	3.00	-0.4150374993
ENSG00000198331	110.25	89.25	-0.3048545815
ENSG00000198336	5.25	2.25	-1.2223924213
ENSG00000198342	29.25	21.50	-0.4440999649
ENSG00000198346	131.50	118.50	-0.1501757404
ENSG00000198353	18.50	10.75	-0.7831886109
ENSG00000198354	0.25	0.25	0.0000000000
ENSG00000198355	245.25	240.50	-0.0282162424
ENSG00000198356	1292.75	1227.00	-0.0753080558
ENSG00000198363	17438.75	12558.00	-0.4736899148
ENSG00000198369	758.00	1064.25	0.4895673366
ENSG00000198373	573.75	568.00	-0.0145313188
ENSG00000198380	2172.00	1851.00	-0.2307192079
ENSG00000198382	446.75	396.00	-0.1739672990
ENSG00000198393	218.50	249.50	0.1914065358
ENSG00000198399	1377.75	1163.00	-0.2444630304
ENSG00000198400	1.75	0.75	-1.2223924213
ENSG00000198406	395.75	424.50	0.1011752034
ENSG00000198408	3088.75	3343.00	0.1141202494
ENSG00000198416	56.25	24.00	-1.2288186905
ENSG00000198417	1.50	5.25	1.8073549221
ENSG00000198420	3460.25	3094.25	-0.1612865110
ENSG00000198429	69.50	80.25	0.2074884144
ENSG00000198431	12768.75	31016.50	1.2804185983
ENSG00000198435	1.25	1.00	-0.3219280949
ENSG00000198440	135.50	103.75	-0.3851815151
ENSG00000198453	214.75	164.25	-0.3867647608
ENSG00000198455	286.50	281.50	-0.0254002167
ENSG00000198464	347.00	331.25	-0.0670152082
ENSG00000198466	423.75	381.75	-0.1505852112
ENSG00000198467	15401.00	24102.50	0.6461587665

ENSG00000198471	0.25	0.50	1.0000000000
ENSG00000198478	236.25	156.00	-0.5987683002
ENSG00000198482	94.00	106.75	0.1835034079
ENSG00000198483	184.75	182.50	-0.0176779004
ENSG00000198488	1.00	2.50	1.3219280949
ENSG00000198492	1423.25	1374.75	-0.0500198131
ENSG00000198496	84.75	57.75	-0.5533924217
ENSG00000198498	226.00	185.75	-0.2829605619
ENSG00000198513	155.50	158.75	0.0298420115
ENSG00000198515	2.50	3.00	0.2630344058
ENSG00000198517	647.25	1040.00	0.6841885631
ENSG00000198520	52.75	51.25	-0.0416190892
ENSG00000198521	152.50	120.75	-0.3367860536
ENSG00000198522	602.00	549.25	-0.1323005223
ENSG00000198523	4.50	15.00	1.7369655942
ENSG00000198535	5.50	3.00	-0.8744691179
ENSG00000198538	205.25	186.50	-0.1382065915
ENSG00000198542	3233.50	5891.75	0.8655996045
ENSG00000198546	246.25	236.75	-0.0567592989
ENSG00000198551	218.00	148.25	-0.5562960302
ENSG00000198553	14.25	6.75	-1.0780025120
ENSG00000198554	162.75	133.50	-0.2858178015
ENSG00000198555	2.75	5.25	0.9328858041
ENSG00000198556	122.75	112.25	-0.1290075796
ENSG00000198561	4196.25	4970.50	0.2442903529
ENSG00000198563	175.25	166.00	-0.0782312027
ENSG00000198569	10.75	11.25	0.0655883416
ENSG00000198570	5.25	3.50	-0.5849625007
ENSG00000198576	5.50	1.75	-1.6520766966
ENSG00000198580	15.25	7.00	-1.1233824155
ENSG00000198585	1085.50	1552.00	0.5157688316
ENSG00000198586	1987.00	1687.25	-0.2359181189
ENSG00000198589	1205.50	1341.25	0.1539465200
ENSG00000198597	18.25	18.25	0.0000000000
ENSG00000198598	215.00	186.25	-0.2070962342
ENSG00000198604	592.50	426.50	-0.4742694125
ENSG00000198610	1.00	0.25	-2.0000000000
ENSG00000198612	1366.75	1286.25	-0.0875782984
ENSG00000198618	238.50	166.25	-0.5206349256
ENSG00000198624	536.25	3314.75	2.6279224180
ENSG00000198625	507.25	380.25	-0.4157487120
ENSG00000198626	2.25	2.00	-0.1699250014
ENSG00000198633	1.00	0.50	-1.0000000000

ENSG00000198642	1278.75	1316.75	0.0422472195
ENSG00000198646	1252.25	1175.00	-0.0918618548
ENSG00000198648	649.50	626.75	-0.0514394346
ENSG00000198650	1.75	1.00	-0.8073549221
ENSG00000198658	1.50	1.50	0.0000000000
ENSG00000198663	5573.00	4464.50	-0.3199555431
ENSG00000198668	3868.25	4522.00	0.2252799547
ENSG00000198670	0.25	0.50	1.0000000000
ENSG00000198673	19.50	23.00	0.2381597372
ENSG00000198677	3110.50	2844.00	-0.1292250413
ENSG00000198680	181.25	174.50	-0.0547539587
ENSG00000198682	4002.50	4133.75	0.0465497377
ENSG00000198689	695.00	710.50	0.0318216716
ENSG00000198690	254.50	197.75	-0.3639879616
ENSG00000198691	19.00	60.00	1.6589630822
ENSG00000198692	256.00	246.25	-0.0560200857
ENSG00000198695	24187.75	25432.50	0.0723967123
ENSG00000198700	2697.00	2017.50	-0.4187868481
ENSG00000198707	633.50	571.50	-0.1485911209
ENSG00000198712	57142.25	58763.50	0.0403624824
ENSG00000198715	2435.00	2122.75	-0.1979872998
ENSG00000198718	709.25	593.50	-0.2570462156
ENSG00000198719	129.50	87.50	-0.5655971759
ENSG00000198720	298.25	276.50	-0.1092426575
ENSG00000198721	1200.25	856.75	-0.4863887441
ENSG00000198722	1274.50	1021.75	-0.3188891300
ENSG00000198723	3.00	1.50	-1.0000000000
ENSG00000198727	56754.25	62811.00	0.1462888067
ENSG00000198728	2645.00	1694.00	-0.6428338477
ENSG00000198729	9.50	7.75	-0.2937312031
ENSG00000198730	2642.75	2612.50	-0.0166089176
ENSG00000198732	41.00	124.50	1.6024499274
ENSG00000198734	6.00	0.50	-3.5849625007
ENSG00000198736	269.00	395.75	0.5569831776
ENSG00000198740	320.00	286.25	-0.1607962119
ENSG00000198742	890.50	905.50	0.0240990298
ENSG00000198743	830.50	708.75	-0.2287033381
ENSG00000198744	6.75	8.25	0.2895066172
ENSG00000198746	230.25	204.00	-0.1746320041
ENSG00000198752	3945.50	3804.50	-0.0525012773
ENSG00000198753	160.00	126.50	-0.3389345202
ENSG00000198754	9.75	11.75	0.2691866328
ENSG00000198755	10781.00	9704.25	-0.1518023800

ENSG00000198756	290.75	274.50	-0.0829730425
ENSG00000198759	1951.00	1225.00	-0.6714320287
ENSG00000198763	29309.75	29761.75	0.0220786974
ENSG00000198765	4.25	4.25	0.0000000000
ENSG00000198768	138.50	75.50	-0.8753374267
ENSG00000198771	7.25	9.75	0.4274212237
ENSG00000198774	52.50	48.25	-0.1217884804
ENSG00000198780	4.50	3.00	-0.5849625007
ENSG00000198783	233.00	207.75	-0.1654814779
ENSG00000198785	5.50	4.25	-0.3719687774
ENSG00000198786	63529.75	65308.50	0.0398384310
ENSG00000198791	1357.75	1050.75	-0.3697984068
ENSG00000198792	2002.50	2027.75	0.0180775517
ENSG00000198793	1637.00	2541.50	0.6346259090
ENSG00000198794	53.00	42.75	-0.3100679397
ENSG00000198795	1292.50	679.50	-0.9276188244
ENSG00000198796	603.00	801.00	0.4096442405
ENSG00000198797	0.50	0.25	-1.0000000000
ENSG00000198799	511.25	433.75	-0.2371651804
ENSG00000198804	286521.25	271121.75	-0.0797012871
ENSG00000198805	92.50	133.25	0.5266102622
ENSG00000198807	3.00	1.75	-0.7776075787
ENSG00000198812	1.25	2.25	0.8479969066
ENSG00000198814	312.25	571.00	0.8707891738
ENSG00000198815	992.00	830.75	-0.2559257327
ENSG00000198816	1406.25	1282.50	-0.1328942705
ENSG00000198818	435.25	499.75	0.1993622691
ENSG00000198821	0.50	0.75	0.5849625007
ENSG00000198824	684.25	755.75	0.1433855443
ENSG00000198825	605.00	530.25	-0.1902624266
ENSG00000198826	477.50	356.00	-0.4236234920
ENSG00000198829	1.50	0.50	-1.5849625007
ENSG00000198830	1961.50	1462.25	-0.4237673463
ENSG00000198832	2045.25	2242.25	0.1326699396
ENSG00000198833	1278.00	1584.00	0.3096844991
ENSG00000198835	93.25	49.50	-0.9136752002
ENSG00000198836	1463.25	1377.00	-0.0876477192
ENSG00000198837	685.75	550.75	-0.3162851271
ENSG00000198838	18.50	24.00	0.3755091351
ENSG00000198839	467.00	406.75	-0.1992802040
ENSG00000198840	6195.50	5925.50	-0.0642838227
ENSG00000198841	160.50	178.75	0.1553699445
ENSG00000198843	1259.75	1200.50	-0.0695020527

ENSG00000198844	1.25	1.75	0.4854268272
ENSG00000198846	258.00	165.50	-0.6405398486
ENSG00000198848	2840.25	2330.00	-0.2856879671
ENSG00000198853	1223.50	1118.25	-0.1297713431
ENSG00000198855	202.00	201.25	-0.0053665097
ENSG00000198856	1544.00	1710.75	0.1479561948
ENSG00000198857	2.50	1.25	-1.0000000000
ENSG00000198858	646.75	696.75	0.1074329484
ENSG00000198860	422.25	342.50	-0.3019934350
ENSG00000198862	817.75	1040.00	0.3468517689
ENSG00000198863	299.50	314.50	0.0705040141
ENSG00000198865	378.25	265.25	-0.5119873313
ENSG00000198870	10.75	10.25	-0.0687127501
ENSG00000198873	2792.50	3540.25	0.3422939612
ENSG00000198874	400.25	362.50	-0.1429204076
ENSG00000198876	630.25	580.25	-0.1192495955
ENSG00000198879	58.25	54.50	-0.0960018199
ENSG00000198881	2.25	2.00	-0.1699250014
ENSG00000198885	59.00	57.75	-0.0308940079
ENSG00000198886	79449.00	76384.75	-0.0567444239
ENSG00000198887	834.50	880.75	0.0778205201
ENSG00000198888	31764.50	32655.25	0.0398996431
ENSG00000198890	263.25	169.25	-0.6372776975
ENSG00000198892	661.00	734.25	0.1516210888
ENSG00000198894	331.25	322.25	-0.0397400960
ENSG00000198898	2715.25	2648.00	-0.0361819146
ENSG00000198899	43477.00	43558.75	0.0027101589
ENSG00000198900	1672.50	1490.00	-0.1666938802
ENSG00000198901	211.75	167.00	-0.3425138669
ENSG00000198908	218.25	142.00	-0.6200907241
ENSG00000198909	1366.50	1668.25	0.2878500440
ENSG00000198910	7.75	6.00	-0.3692338097
ENSG00000198911	2385.00	1669.50	-0.5145731728
ENSG00000198912	352.00	355.50	0.0142741310
ENSG00000198915	51.25	27.00	-0.9245925973
ENSG00000198917	456.25	488.00	0.0970565889
ENSG00000198918	7992.50	7699.25	-0.0539289223
ENSG00000198919	855.50	644.50	-0.4085874961
ENSG00000198920	547.50	455.50	-0.2654079107
ENSG00000198924	162.25	119.00	-0.4472569047
ENSG00000198925	1921.50	2241.25	0.2220706067
ENSG00000198929	7.50	8.00	0.0931094044
ENSG00000198931	792.75	808.75	0.0288278348

ENSG00000198932	272.50	141.75 -0.9429074947
ENSG00000198933	425.50	519.75 0.2886587212
ENSG00000198934	99.50	64.50 -0.6253973651
ENSG00000198937	89.50	70.25 -0.3493894570
ENSG00000198938	54253.25	53901.75 -0.0093774507
ENSG00000198939	37.50	24.50 -0.6141088464
ENSG00000198944	22.25	7.00 -1.6683785089
ENSG00000198945	283.50	260.25 -0.1234505716
ENSG00000198947	1023.75	1494.00 0.5453166963
ENSG00000198948	37.00	42.25 0.1914260707
ENSG00000198951	1043.00	861.50 -0.2758164563
ENSG00000198952	2371.75	2762.00 0.2197613724
ENSG00000198954	723.50	771.25 0.0922055675
ENSG00000198959	9342.25	11506.75 0.3006384545
ENSG00000198960	796.25	467.75 -0.7674838139
ENSG00000198961	3714.75	3366.00 -0.1422299450
ENSG00000198963	37.50	41.00 0.1287333141
ENSG00000198964	1570.00	1026.00 -0.6137338282
ENSG00000203262	2.25	4.25 0.9175378398
ENSG00000203326	111.75	112.00 0.0032239009
ENSG00000203387	1.75	1.50 -0.2223924213
ENSG00000203396	0.50	0.25 -1.0000000000
ENSG00000203413	0.25	1.00 2.0000000000
ENSG00000203414	3.50	1.00 -1.8073549221
ENSG00000203435	2.50	2.25 -0.1520030934
ENSG00000203437	2.00	0.75 -1.4150374993
ENSG00000203485	2525.00	2946.50 0.2227188783
ENSG00000203489	2.25	2.75 0.2895066172
ENSG00000203531	3.75	3.00 -0.3219280949
ENSG00000203546	29.75	28.25 -0.0746388009
ENSG00000203581	0.50	0.75 0.5849625007
ENSG00000203618	11.25	1.00 -3.4918530963
ENSG00000203623	16.75	31.75 0.9225954963
ENSG00000203624	92.00	79.00 -0.2197812079
ENSG00000203666	136.50	155.50 0.1880136292
ENSG00000203667	845.50	774.50 -0.1265395156
ENSG00000203668	276.25	342.75 0.3111822015
ENSG00000203685	11.75	17.25 0.5539356051
ENSG00000203697	3.75	0.50 -2.9068905956
ENSG00000203705	262.00	228.00 -0.2005329874
ENSG00000203710	2.00	1.50 -0.4150374993
ENSG00000203722	124.50	54.75 -1.1852148725
ENSG00000203724	27.75	20.75 -0.4193764350

ENSG00000203727	447.00	227.50 -0.9744082861
ENSG00000203730	0.50	0.25 -1.0000000000
ENSG00000203734	5.00	3.25 -0.6214883767
ENSG00000203760	66.75	78.00 0.2247062872
ENSG00000203761	49.50	52.00 0.0710830981
ENSG00000203772	76.25	87.25 0.1944177938
ENSG00000203778	329.50	243.25 -0.4378386602
ENSG00000203780	97.50	61.00 -0.6765929762
ENSG00000203786	1.75	1.25 -0.4854268272
ENSG00000203791	233.00	244.00 0.0665511929
ENSG00000203797	30.00	20.75 -0.5318511643
ENSG00000203799	5.75	7.75 0.4306343543
ENSG00000203805	27.50	7.00 -1.9740047915
ENSG00000203811	7.25	6.00 -0.2730184944
ENSG00000203812	138.75	118.00 -0.2337009119
ENSG00000203814	166.25	124.00 -0.4230142200
ENSG00000203818	15.00	11.75 -0.3523017439
ENSG00000203819	23.75	21.50 -0.1435908536
ENSG00000203852	7.25	6.00 -0.2730184944
ENSG00000203857	0.25	0.50 1.0000000000
ENSG00000203859	0.50	0.50 0.0000000000
ENSG00000203867	8.50	4.50 -0.9175378398
ENSG00000203872	17.50	18.25 0.0605415419
ENSG00000203879	2192.00	2228.75 0.0239869996
ENSG00000203880	728.50	661.25 -0.1397331551
ENSG00000203896	80.00	95.25 0.2517190926
ENSG00000203910	0.75	1.25 0.7369655942
ENSG00000203914	0.50	0.25 -1.0000000000
ENSG00000203943	29.25	8.75 -1.7410817026
ENSG00000203950	695.75	724.00 0.0574206938
ENSG00000203952	2.00	1.00 -1.0000000000
ENSG00000203963	1.25	1.00 -0.3219280949
ENSG00000203965	256.75	118.25 -1.1185240930
ENSG00000203985	2.75	4.00 0.5405683814
ENSG00000203995	22.75	15.75 -0.5305147167
ENSG00000204010	1.00	0.50 -1.0000000000
ENSG00000204022	0.50	0.50 0.0000000000
ENSG00000204052	8.25	8.50 0.0430687219
ENSG00000204060	9.25	1.00 -3.2094533656
ENSG00000204070	675.75	661.75 -0.0302033170
ENSG00000204071	0.25	0.50 1.0000000000
ENSG00000204084	539.50	421.75 -0.3552348912
ENSG00000204086	1.75	1.50 -0.2223924213

ENSG00000204099	0.25	0.75	1.5849625007
ENSG00000204103	196.75	64.50	-1.6089925701
ENSG00000204104	711.50	462.75	-0.6206307667
ENSG00000204116	525.25	388.25	-0.4360183323
ENSG00000204118	3.00	2.50	-0.2630344058
ENSG00000204120	2174.50	2123.00	-0.0345793376
ENSG00000204128	4.25	4.00	-0.0874628413
ENSG00000204130	596.00	532.25	-0.1632082860
ENSG00000204131	534.25	352.50	-0.5998917454
ENSG00000204136	3.75	4.75	0.3410369178
ENSG00000204138	567.50	493.00	-0.2030327458
ENSG00000204147	127.25	68.25	-0.8987647052
ENSG00000204149	279.25	276.00	-0.0168890137
ENSG00000204152	205.00	185.75	-0.1422616990
ENSG00000204160	453.00	536.50	0.2440671207
ENSG00000204172	187.00	148.00	-0.3374410943
ENSG00000204173	6.75	6.75	0.0000000000
ENSG00000204174	9.50	4.25	-1.1604646722
ENSG00000204176	188.00	103.25	-0.8645908803
ENSG00000204177	225.00	168.50	-0.4171764100
ENSG00000204178	539.75	428.00	-0.3346805416
ENSG00000204179	73.50	73.00	-0.0098477860
ENSG00000204183	6.75	3.25	-1.0544477840
ENSG00000204186	494.00	426.50	-0.2119653003
ENSG00000204188	2.50	2.75	0.1375035237
ENSG00000204196	10.75	12.25	0.1884450894
ENSG00000204197	24.00	20.50	-0.2274104961
ENSG00000204209	55.00	45.50	-0.2735650733
ENSG00000204217	3458.25	3319.75	-0.0589675657
ENSG00000204219	297.25	161.25	-0.8823776494
ENSG00000204220	47.25	49.25	0.0598093952
ENSG00000204221	166.25	165.00	-0.0108883161
ENSG00000204227	183.50	167.75	-0.1294672966
ENSG00000204228	12.75	9.75	-0.3870231231
ENSG00000204231	239.75	228.00	-0.0724969909
ENSG00000204237	241.25	236.00	-0.0317420828
ENSG00000204248	8.75	7.75	-0.1750867066
ENSG00000204252	1.25	0.75	-0.7369655942
ENSG00000204253	0.75	0.50	-0.5849625007
ENSG00000204256	1542.50	1306.00	-0.2401155925
ENSG00000204257	55.25	33.50	-0.7218133689
ENSG00000204262	14993.50	17675.50	0.2374138288
ENSG00000204264	68.50	40.75	-0.7493039287

ENSG00000204267	49.50	55.50	0.1650592463
ENSG00000204271	105.50	92.25	-0.1936221826
ENSG00000204272	421.00	364.00	-0.2098817829
ENSG00000204291	1861.75	985.25	-0.9180976081
ENSG00000204301	2.25	2.00	-0.1699250014
ENSG00000204304	369.00	255.25	-0.5317098552
ENSG00000204305	9.75	4.75	-1.0374747054
ENSG00000204308	61.75	49.50	-0.3190106115
ENSG00000204310	581.50	574.25	-0.0181002401
ENSG00000204311	58.50	51.50	-0.1838641924
ENSG00000204314	20.25	10.50	-0.9475325801
ENSG00000204315	32.25	27.00	-0.2563397533
ENSG00000204316	380.00	350.25	-0.1176143679
ENSG00000204323	5.50	5.25	-0.0671141959
ENSG00000204334	30.75	11.25	-1.4506614090
ENSG00000204335	13.25	1.25	-3.4059923597
ENSG00000204338	2.00	1.50	-0.4150374993
ENSG00000204344	64.25	64.00	-0.0056245492
ENSG00000204345	1.00	1.50	0.5849625007
ENSG00000204348	89.50	64.75	-0.4670074896
ENSG00000204351	111.25	100.00	-0.1538053361
ENSG00000204356	295.25	288.00	-0.0358682480
ENSG00000204359	112.75	55.75	-1.0160837233
ENSG00000204361	2.50	1.00	-1.3219280949
ENSG00000204364	145.00	95.50	-0.6024802620
ENSG00000204366	36.75	21.50	-0.7734075901
ENSG00000204370	1425.25	1460.75	0.0354942878
ENSG00000204371	73.75	40.25	-0.8736542661
ENSG00000204381	2473.75	2116.00	-0.2253600798
ENSG00000204386	191.50	132.00	-0.5368064626
ENSG00000204387	818.50	728.00	-0.1690439663
ENSG00000204388	250.75	287.25	0.1960571920
ENSG00000204389	582.50	443.50	-0.3933239452
ENSG00000204390	7.25	1.75	-2.0506260731
ENSG00000204392	40.00	27.25	-0.5537437701
ENSG00000204394	94.50	105.00	0.1520030934
ENSG00000204396	5.50	3.50	-0.6520766966
ENSG00000204397	120.75	74.75	-0.6918777046
ENSG00000204403	3.75	5.50	0.5525410230
ENSG00000204406	775.25	499.25	-0.6348991932
ENSG00000204410	31.50	29.00	-0.1192989284
ENSG00000204420	0.75	2.25	1.5849625007
ENSG00000204422	2.25	2.50	0.1520030934

ENSG00000204427	87.75	54.75	-0.6805401607
ENSG00000204428	10.50	11.25	0.0995356736
ENSG00000204435	222.75	223.25	0.0032347436
ENSG00000204438	51.00	49.25	-0.0503735225
ENSG00000204439	42.00	10.00	-2.0703893279
ENSG00000204442	190.25	155.75	-0.2886642905
ENSG00000204444	14.50	9.50	-0.6100534817
ENSG00000204463	421.75	287.75	-0.5515721402
ENSG00000204469	95.25	73.25	-0.3788903331
ENSG00000204498	0.75	0.25	-1.5849625007
ENSG00000204514	209.25	174.50	-0.2620005863
ENSG00000204516	22.75	31.00	0.4464016702
ENSG00000204518	3.75	8.00	1.0931094044
ENSG00000204519	110.25	107.25	-0.0398010081
ENSG00000204520	42.25	62.75	0.5706641177
ENSG00000204524	52.50	47.00	-0.1596566660
ENSG00000204525	813.00	674.75	-0.2689022806
ENSG00000204531	7.50	2.75	-1.4474589770
ENSG00000204532	0.25	0.25	0.0000000000
ENSG00000204536	46.00	47.25	0.0386804682
ENSG00000204540	23.75	20.00	-0.2479275134
ENSG00000204544	0.25	0.50	1.0000000000
ENSG00000204556	9.50	6.00	-0.6629650127
ENSG00000204560	124.50	143.25	0.2023893967
ENSG00000204564	32.00	31.25	-0.0342157153
ENSG00000204568	91.50	77.50	-0.2395754330
ENSG00000204569	162.75	130.00	-0.3241459201
ENSG00000204571	12.00	9.25	-0.3755091351
ENSG00000204572	1.50	1.00	-0.5849625007
ENSG00000204574	360.25	376.25	0.0626931515
ENSG00000204576	17.00	14.25	-0.2545728271
ENSG00000204577	3.25	2.50	-0.3785116233
ENSG00000204580	167.75	145.50	-0.2052936133
ENSG00000204590	285.00	267.25	-0.0927719713
ENSG00000204592	1611.75	1839.50	0.1906856928
ENSG00000204599	19.50	21.25	0.1239887173
ENSG00000204604	168.75	181.75	0.1070678620
ENSG00000204611	286.75	241.50	-0.2477702972
ENSG00000204618	3.50	1.25	-1.4854268272
ENSG00000204619	125.50	88.75	-0.4998683396
ENSG00000204622	6.25	6.00	-0.0588936891
ENSG00000204624	2.25	1.75	-0.3625700794
ENSG00000204628	21539.25	19155.75	-0.1691905036

ENSG00000204632	0.25	0.25	0.0000000000
ENSG00000204634	255.00	231.25	-0.1410438815
ENSG00000204642	6.25	4.50	-0.4739311883
ENSG00000204652	0.25	0.25	0.0000000000
ENSG00000204653	6.25	5.25	-0.2515387670
ENSG00000204659	5.25	2.25	-1.2223924213
ENSG00000204673	1526.50	1363.50	-0.1629128893
ENSG00000204677	4.25	5.75	0.4360991148
ENSG00000204681	491.25	513.50	0.0639068692
ENSG00000204682	42.00	35.75	-0.2324460860
ENSG00000204710	0.50	0.50	0.0000000000
ENSG00000204711	0.25	0.25	0.0000000000
ENSG00000204713	302.75	273.25	-0.1479054640
ENSG00000204740	8.00	4.25	-0.9125371587
ENSG00000204745	57.50	87.50	0.6057210609
ENSG00000204764	22.50	23.25	0.0473057148
ENSG00000204767	69.50	34.75	-1.0000000000
ENSG00000204778	1.00	2.50	1.3219280949
ENSG00000204779	5.75	2.75	-1.0641303374
ENSG00000204789	41.00	21.50	-0.9312872499
ENSG00000204790	1.00	2.50	1.3219280949
ENSG00000204815	32.00	27.00	-0.2451124978
ENSG00000204822	344.75	280.25	-0.2988361787
ENSG00000204837	0.75	1.25	0.7369655942
ENSG00000204839	42.75	51.50	0.2686480123
ENSG00000204842	1247.75	1478.25	0.2445613733
ENSG00000204843	8360.75	7995.75	-0.0643990003
ENSG00000204851	134.00	111.25	-0.2684276646
ENSG00000204852	1015.50	746.00	-0.4449427040
ENSG00000204856	156.25	157.75	0.0137838154
ENSG00000204859	211.00	202.25	-0.0611032963
ENSG00000204866	1.00	2.75	1.4594316186
ENSG00000204869	18.00	12.25	-0.5552151573
ENSG00000204882	3.50	0.50	-2.8073549221
ENSG00000204899	141.00	157.50	0.1596566660
ENSG00000204909	15.75	13.50	-0.2223924213
ENSG00000204920	155.50	107.50	-0.5325779205
ENSG00000204922	144.50	148.25	0.0369626120
ENSG00000204923	74.25	55.50	-0.4199032545
ENSG00000204930	5.00	2.25	-1.1520030934
ENSG00000204936	25.25	13.25	-0.9302910282
ENSG00000204941	1943.75	933.75	-1.0577344322
ENSG00000204946	288.50	314.50	0.1244886982

ENSG00000204947	165.00	106.75 -0.6282299546
ENSG00000204952	0.25	0.25 0.0000000000
ENSG00000204954	101.75	91.00 -0.1610903441
ENSG00000204956	122.75	85.25 -0.5259512853
ENSG00000204959	210.50	181.75 -0.2118648691
ENSG00000204960	0.25	0.75 1.5849625007
ENSG00000204961	6.75	4.00 -0.7548875022
ENSG00000204962	2.25	3.25 0.5305147167
ENSG00000204963	6.50	4.75 -0.4525122047
ENSG00000204965	0.75	3.25 2.1154772174
ENSG00000204967	54.50	42.25 -0.3673048885
ENSG00000204969	1.25	1.00 -0.3219280949
ENSG00000204970	1.25	1.25 0.0000000000
ENSG00000204977	587.00	555.25 -0.0802230156
ENSG00000204991	156.25	86.50 -0.8530841519
ENSG00000205002	3.50	7.00 1.0000000000
ENSG00000205038	0.25	0.25 0.0000000000
ENSG00000205045	18.75	21.50 0.1974460642
ENSG00000205057	0.75	0.25 -1.5849625007
ENSG00000205060	653.00	623.75 -0.0661150813
ENSG00000205078	7.75	6.25 -0.3103401206
ENSG00000205084	290.50	204.00 -0.5099690114
ENSG00000205085	85.75	73.75 -0.2174936219
ENSG00000205086	9.25	12.50 0.4344028241
ENSG00000205089	2.75	14.00 2.3479233034
ENSG00000205090	65.50	64.50 -0.0221957461
ENSG00000205097	0.50	0.50 0.0000000000
ENSG00000205108	4.75	2.00 -1.2479275134
ENSG00000205111	5.25	8.25 0.6520766966
ENSG00000205116	1.00	0.25 -2.0000000000
ENSG00000205129	12.50	11.00 -0.1844245711
ENSG00000205133	697.25	619.50 -0.1705717469
ENSG00000205138	127.00	118.25 -0.1029883134
ENSG00000205143	3.25	3.75 0.2064508775
ENSG00000205155	411.75	409.75 -0.0070247006
ENSG00000205176	11.25	10.00 -0.1699250014
ENSG00000205177	1.00	1.25 0.3219280949
ENSG00000205189	404.00	457.25 0.1786278770
ENSG00000205208	918.00	330.50 -1.4738438819
ENSG00000205209	12.75	10.25 -0.3148733374
ENSG00000205212	0.50	2.00 2.0000000000
ENSG00000205213	586.25	245.50 -1.2557929931
ENSG00000205215	0.75	0.50 -0.5849625007

ENSG00000205220	385.00	376.50	-0.0322085809
ENSG00000205221	186.50	209.00	0.1643273118
ENSG00000205236	172.00	123.25	-0.4808209183
ENSG00000205238	23.75	20.50	-0.2123036037
ENSG00000205240	0.50	1.00	1.0000000000
ENSG00000205250	911.00	1055.00	0.2117200398
ENSG00000205266	0.50	0.75	0.5849625007
ENSG00000205268	283.75	220.25	-0.3654783733
ENSG00000205269	113.75	132.25	0.2174011770
ENSG00000205277	20.50	24.50	0.2571578395
ENSG00000205302	1975.50	1411.00	-0.4854998584
ENSG00000205307	13.25	19.50	0.5574817643
ENSG00000205309	35.00	21.00	-0.7369655942
ENSG00000205323	744.00	631.50	-0.2365198873
ENSG00000205333	0.50	0.25	-1.0000000000
ENSG00000205336	70.00	48.50	-0.5293701748
ENSG00000205339	3524.50	3848.50	0.1268776419
ENSG00000205352	1682.75	2014.75	0.2597799766
ENSG00000205356	758.00	831.00	0.1326506286
ENSG00000205358	0.25	1.50	2.5849625007
ENSG00000205362	3.25	4.00	0.2995602819
ENSG00000205363	78.50	26.00	-1.5941810308
ENSG00000205364	13.75	69.25	2.3323824525
ENSG00000205403	85.25	48.25	-0.8211708918
ENSG00000205413	528.75	458.00	-0.2072381599
ENSG00000205423	339.00	322.50	-0.0719861128
ENSG00000205426	0.75	2.25	1.5849625007
ENSG00000205436	11.75	6.75	-0.7997013495
ENSG00000205456	15.00	9.50	-0.6589630822
ENSG00000205464	127.75	86.75	-0.5583876284
ENSG00000205476	341.75	196.25	-0.8002486838
ENSG00000205482	1.75	1.75	0.0000000000
ENSG00000205485	31.25	23.50	-0.4111954330
ENSG00000205517	98.00	112.25	0.1958617906
ENSG00000205531	1081.75	979.00	-0.1439863558
ENSG00000205534	74.00	50.25	-0.5584016745
ENSG00000205542	41232.25	32629.00	-0.3376184167
ENSG00000205544	284.00	251.25	-0.1767673334
ENSG00000205549	1.75	2.00	0.1926450779
ENSG00000205560	63.75	69.50	0.1245876359
ENSG00000205571	127.25	126.75	-0.0056799091
ENSG00000205572	33.25	61.75	0.8930847961
ENSG00000205578	19.75	16.50	-0.2593866288

ENSG00000205581	2561.50	1554.75	-0.7203062746
ENSG00000205583	94.75	91.25	-0.0543013844
ENSG00000205584	0.25	0.25	0.0000000000
ENSG00000205593	142.25	128.25	-0.1494698267
ENSG00000205609	621.50	460.50	-0.4325532350
ENSG00000205625	5.75	7.25	0.3344190391
ENSG00000205629	401.00	350.50	-0.1941877924
ENSG00000205639	11.25	11.00	-0.0324214777
ENSG00000205643	142.50	108.75	-0.3899465183
ENSG00000205644	0.50	0.50	0.0000000000
ENSG00000205649	3.50	3.25	-0.1069152039
ENSG00000205659	142.50	174.50	0.2922651172
ENSG00000205670	75.00	78.00	0.0565835284
ENSG00000205678	10.00	8.00	-0.3219280949
ENSG00000205683	171.50	77.25	-1.1506017383
ENSG00000205693	2.00	3.50	0.8073549221
ENSG00000205702	4.25	2.25	-0.9175378398
ENSG00000205707	277.25	216.75	-0.3551554669
ENSG00000205710	20.00	11.75	-0.7673392432
ENSG00000205726	1457.00	1682.75	0.2078199793
ENSG00000205730	2101.75	2631.75	0.3244313754
ENSG00000205744	1.00	1.00	0.0000000000
ENSG00000205746	928.25	1072.00	0.2077195906
ENSG00000205755	1.25	1.50	0.2630344058
ENSG00000205758	445.25	307.50	-0.5340292009
ENSG00000205763	102.00	90.50	-0.1725794549
ENSG00000205765	1068.50	1274.75	0.2546274300
ENSG00000205771	34.00	16.25	-1.0650950282
ENSG00000205777	1.00	2.25	1.1699250014
ENSG00000205784	0.50	1.00	1.0000000000
ENSG00000205794	2.50	1.75	-0.5145731728
ENSG00000205795	122.25	82.00	-0.5761386503
ENSG00000205808	185.25	175.50	-0.0780025120
ENSG00000205822	15.50	15.00	-0.0473057148
ENSG00000205832	1.75	1.00	-0.8073549221
ENSG00000205835	4.50	10.75	1.2563397533
ENSG00000205838	11.00	14.25	0.3734583955
ENSG00000205853	4.00	4.00	0.0000000000
ENSG00000205856	1.75	1.50	-0.2223924213
ENSG00000205857	0.25	0.25	0.0000000000
ENSG00000205863	244.00	162.00	-0.5908873347
ENSG00000205871	1.25	0.75	-0.7369655942
ENSG00000205879	13.50	10.50	-0.3625700794

ENSG00000205898	4.00	7.25	0.8579809951
ENSG00000205903	544.00	465.00	-0.2263759353
ENSG00000205918	167.25	116.25	-0.5247754946
ENSG00000205922	7.75	6.25	-0.3103401206
ENSG00000205923	127.00	57.50	-1.1431946358
ENSG00000205929	3.75	4.25	0.1805722456
ENSG00000205937	1409.75	1560.00	0.1461066861
ENSG00000205940	17.75	9.50	-0.9018196061
ENSG00000205955	0.75	0.50	-0.5849625007
ENSG00000205978	2390.50	981.50	-1.2842522329
ENSG00000205981	380.50	372.25	-0.0316246049
ENSG00000206052	310.25	124.00	-1.3230910897
ENSG00000206053	621.25	588.50	-0.0781315314
ENSG00000206072	1.75	0.50	-1.8073549221
ENSG00000206075	0.50	0.75	0.5849625007
ENSG00000206077	1.00	1.50	0.5849625007
ENSG00000206113	1.25	1.00	-0.3219280949
ENSG00000206120	2.00	1.00	-1.0000000000
ENSG00000206127	47.75	18.00	-1.4075038266
ENSG00000206145	3.25	1.75	-0.8930847961
ENSG00000206147	0.25	0.25	0.0000000000
ENSG00000206149	333.75	289.75	-0.2039591756
ENSG00000206159	11.00	12.00	0.1255308821
ENSG00000206168	1.25	1.00	-0.3219280949
ENSG00000206172	18.50	2.50	-2.8875252707
ENSG00000206181	1.25	0.75	-0.7369655942
ENSG00000206190	175.75	445.50	1.3419007424
ENSG00000206192	1.25	0.50	-1.3219280949
ENSG00000206199	3.50	3.00	-0.2223924213
ENSG00000206203	5.75	2.50	-1.2016338612
ENSG00000206206	170.00	120.75	-0.4935115573
ENSG00000206208	388.00	417.00	0.1039907313
ENSG00000206228	0.75	1.00	0.4150374993
ENSG00000206235	9.00	15.00	0.7369655942
ENSG00000206256	33.50	9.00	-1.8961641890
ENSG00000206258	763.50	484.25	-0.6568761082
ENSG00000206262	10.50	9.00	-0.2223924213
ENSG00000206268	140.00	115.00	-0.2837929660
ENSG00000206279	19.50	17.25	-0.1768777621
ENSG00000206280	30.25	23.00	-0.3953012812
ENSG00000206281	452.00	440.75	-0.0363622031
ENSG00000206282	395.50	295.25	-0.4217406351
ENSG00000206283	57.00	55.50	-0.0384741478

ENSG00000206284	27.25	46.50	0.7709744863
ENSG00000206285	10.75	44.50	2.0494686763
ENSG00000206286	62.00	78.50	0.3404244385
ENSG00000206287	52.75	2.50	-4.3991710938
ENSG00000206288	606.25	476.25	-0.3481937496
ENSG00000206289	32.00	36.00	0.1699250014
ENSG00000206290	2.00	0.75	-1.4150374993
ENSG00000206291	2.25	3.75	0.7369655942
ENSG00000206292	0.50	0.25	-1.0000000000
ENSG00000206297	125.50	94.00	-0.4169547023
ENSG00000206298	68.50	40.75	-0.7493039287
ENSG00000206299	74.25	77.00	0.0524674199
ENSG00000206312	2.25	2.00	-0.1699250014
ENSG00000206314	17.50	16.50	-0.0848888976
ENSG00000206315	25.00	24.00	-0.0588936891
ENSG00000206320	7.25	4.75	-0.6100534817
ENSG00000206324	78.75	105.75	0.4253058347
ENSG00000206329	38.00	41.75	0.1357767790
ENSG00000206331	18.25	16.75	-0.1237353684
ENSG00000206340	82.75	54.00	-0.6157999046
ENSG00000206341	11.50	10.00	-0.2016338612
ENSG00000206342	10.00	18.00	0.8479969066
ENSG00000206344	18.75	12.75	-0.5563933485
ENSG00000206346	51.75	46.00	-0.1699250014
ENSG00000206353	296.50	264.75	-0.1634014206
ENSG00000206355	17.00	12.00	-0.5025003405
ENSG00000206356	1.75	0.75	-1.2223924213
ENSG00000206357	140.00	115.00	-0.2837929660
ENSG00000206366	5.25	4.50	-0.2223924213
ENSG00000206372	65.00	49.50	-0.3930111929
ENSG00000206376	779.00	555.50	-0.4878364167
ENSG00000206379	437.25	487.50	0.1569438347
ENSG00000206380	846.75	745.00	-0.1846956561
ENSG00000206383	26.75	27.50	0.0398927271
ENSG00000206384	1888.00	895.00	-1.0768991772
ENSG00000206394	509.50	515.75	0.0175897697
ENSG00000206395	250.75	191.75	-0.3870231231
ENSG00000206396	0.50	0.25	-1.0000000000
ENSG00000206402	0.25	0.25	0.0000000000
ENSG00000206403	51.25	41.50	-0.3044406682
ENSG00000206404	3.25	2.00	-0.7004397181
ENSG00000206406	168.75	131.75	-0.3570845403
ENSG00000206408	56.00	33.25	-0.7520724866

ENSG00000206409	7.50	6.25	-0.2630344058
ENSG00000206412	250.25	248.00	-0.0130299484
ENSG00000206418	794.25	844.50	0.0885042381
ENSG00000206427	251.75	203.75	-0.3051917189
ENSG00000206432	2.75	0.75	-1.8744691179
ENSG00000206435	61.25	60.00	-0.0297473434
ENSG00000206440	58.75	46.50	-0.3373581355
ENSG00000206445	12.50	9.75	-0.3584539709
ENSG00000206449	8.50	4.50	-0.9175378398
ENSG00000206450	185.75	148.25	-0.3253301060
ENSG00000206452	832.00	482.50	-0.7860545860
ENSG00000206455	23.50	13.25	-0.8266683971
ENSG00000206457	41.00	25.75	-0.6710514774
ENSG00000206459	0.50	0.75	0.5849625007
ENSG00000206463	1.25	0.25	-2.3219280949
ENSG00000206466	25.00	30.00	0.2630344058
ENSG00000206476	79.25	89.75	0.1795010037
ENSG00000206478	27.00	9.75	-1.4694852833
ENSG00000206480	437.25	487.50	0.1569438347
ENSG00000206481	4.00	3.75	-0.0931094044
ENSG00000206483	1.00	0.75	-0.4150374993
ENSG00000206484	23.00	14.25	-0.6906719419
ENSG00000206485	39.75	25.50	-0.6404576133
ENSG00000206486	3.75	4.25	0.1805722456
ENSG00000206487	24.25	15.00	-0.6930222466
ENSG00000206488	26.50	16.75	-0.6618312641
ENSG00000206489	181.00	121.25	-0.5780049500
ENSG00000206490	260.50	247.75	-0.0723983151
ENSG00000206491	41.25	30.75	-0.4238077089
ENSG00000206492	44.25	37.00	-0.2581521845
ENSG00000206493	1232.75	1371.50	0.1538743693
ENSG00000206495	0.25	0.25	0.0000000000
ENSG00000206501	11.25	19.00	0.7560744171
ENSG00000206503	3963.00	2379.75	-0.7357829453
ENSG00000206505	40.75	41.25	0.0175940600
ENSG00000206509	8.50	5.75	-0.5639008852
ENSG00000206511	17.00	19.50	0.1979393776
ENSG00000206527	516.75	739.75	0.5175713078
ENSG00000206530	299.00	182.75	-0.7102740782
ENSG00000206531	0.25	0.75	1.5849625007
ENSG00000206535	69.75	63.50	-0.1354366251
ENSG00000206538	8171.25	17219.25	1.0753936090
ENSG00000206549	1.50	0.25	-2.5849625007

ENSG00000206557	1.00	1.00	0.0000000000
ENSG00000206559	29.50	20.75	-0.5076036180
ENSG00000206560	4490.50	6095.50	0.4408684742
ENSG00000206561	62.25	24.75	-1.3306453120
ENSG00000206562	271.25	238.00	-0.1886615640
ENSG00000206579	8.00	6.25	-0.3561438102
ENSG00000211445	1856.00	20692.25	3.4788219116
ENSG00000211448	367.75	933.00	1.3431517396
ENSG00000211450	544.25	594.75	0.1280138642
ENSG00000211451	48.75	38.50	-0.3405437731
ENSG00000211452	3.50	1.50	-1.2223924213
ENSG00000211454	11.25	12.25	0.1228567478
ENSG00000211455	468.50	598.75	0.3539047030
ENSG00000211456	918.25	926.00	0.0121252025
ENSG00000211460	1154.00	1034.75	-0.1573609754
ENSG00000211584	564.00	558.00	-0.0154300406
ENSG00000211643	22.50	22.25	-0.0161196654
ENSG00000211644	1.75	3.25	0.8930847961
ENSG00000211696	1.00	0.25	-2.0000000000
ENSG00000211751	0.25	0.50	1.0000000000
ENSG00000211767	0.75	1.25	0.7369655942
ENSG00000212122	0.25	1.00	2.0000000000
ENSG00000212123	11.00	13.00	0.2410080995
ENSG00000212124	1.00	0.75	-0.4150374993
ENSG00000212125	1.25	1.25	0.0000000000
ENSG00000212127	6.00	4.00	-0.5849625007
ENSG00000212128	0.25	0.25	0.0000000000
ENSG00000212643	10.00	2.25	-2.1520030934
ENSG00000212659	0.25	0.25	0.0000000000
ENSG00000212664	4.25	0.50	-3.0874628413
ENSG00000212719	575.25	456.50	-0.3335742182
ENSG00000212724	0.25	0.25	0.0000000000
ENSG00000212747	680.25	619.25	-0.1355430880
ENSG00000212789	1.25	0.50	-1.3219280949
ENSG00000212802	7.50	9.25	0.3025627700
ENSG00000212829	0.75	0.50	-0.5849625007
ENSG00000212864	56.00	42.75	-0.3895024072
ENSG00000212866	670.75	659.00	-0.0254966843
ENSG00000212907	7174.00	7170.50	-0.0007040235
ENSG00000212916	37.25	35.50	-0.0694214010
ENSG00000212932	4.50	7.50	0.7369655942
ENSG00000212952	5.75	1.50	-1.9385994553
ENSG00000212961	0.75	0.50	-0.5849625007

ENSG00000212993	4.75	3.00	-0.6629650127
ENSG00000213013	2.25	1.25	-0.8479969066
ENSG00000213014	0.25	0.25	0.0000000000
ENSG00000213015	377.75	389.00	0.0423383998
ENSG00000213018	0.25	1.50	2.5849625007
ENSG00000213020	199.00	165.00	-0.2703024063
ENSG00000213023	2.00	4.50	1.1699250014
ENSG00000213024	892.75	727.00	-0.2963008647
ENSG00000213033	0.50	0.75	0.5849625007
ENSG00000213035	0.50	0.75	0.5849625007
ENSG00000213041	0.75	0.25	-1.5849625007
ENSG00000213045	0.25	0.50	1.0000000000
ENSG00000213047	194.00	139.25	-0.4783793248
ENSG00000213058	1.25	3.00	1.2630344058
ENSG00000213060	0.25	0.25	0.0000000000
ENSG00000213061	0.50	0.50	0.0000000000
ENSG00000213064	1519.50	2230.25	0.5536087633
ENSG00000213066	351.00	255.25	-0.4595600694
ENSG00000213071	6.50	6.75	0.0544477840
ENSG00000213073	106.75	65.75	-0.6991732703
ENSG00000213077	31.00	26.00	-0.2537565922
ENSG00000213079	1248.25	1086.00	-0.2008828035
ENSG00000213085	22.25	19.50	-0.1903312121
ENSG00000213087	0.50	0.25	-1.0000000000
ENSG00000213089	3.50	2.75	-0.3479233034
ENSG00000213090	1.50	3.25	1.1154772174
ENSG00000213096	205.00	184.00	-0.1559181434
ENSG00000213104	0.25	0.25	0.0000000000
ENSG00000213123	71.00	78.50	0.1448736294
ENSG00000213131	3.25	2.50	-0.3785116233
ENSG00000213139	38.75	38.75	0.0000000000
ENSG00000213144	4.75	6.75	0.5069599887
ENSG00000213145	14.75	11.00	-0.4232114307
ENSG00000213149	3.00	4.25	0.5025003405
ENSG00000213152	0.25	1.00	2.0000000000
ENSG00000213160	114.25	352.00	1.6233812636
ENSG00000213169	0.50	0.75	0.5849625007
ENSG00000213174	1.25	0.25	-2.3219280949
ENSG00000213178	48.25	117.50	1.2840599093
ENSG00000213179	0.25	0.25	0.0000000000
ENSG00000213185	46.50	32.75	-0.5057358096
ENSG00000213186	368.75	312.50	-0.2387868596
ENSG00000213189	87.00	67.50	-0.3661278988

ENSG00000213190	253.50	137.25 -0.8851795980
ENSG00000213199	39.25	49.50 0.3347358712
ENSG00000213203	8.75	4.75 -0.8813555035
ENSG00000213204	31.50	22.75 -0.4694852833
ENSG00000213205	0.25	0.25 0.0000000000
ENSG00000213212	3.50	2.00 -0.8073549221
ENSG00000213213	49.50	45.00 -0.1375035237
ENSG00000213214	96.50	84.75 -0.1873155741
ENSG00000213216	0.25	0.25 0.0000000000
ENSG00000213221	82.50	84.00 0.0259952085
ENSG00000213222	29.00	28.75 -0.0124909442
ENSG00000213225	13.25	14.00 0.0794344675
ENSG00000213228	2.50	4.25 0.7655347464
ENSG00000213235	1.75	0.75 -1.2223924213
ENSG00000213240	71.25	56.25 -0.3410369178
ENSG00000213244	3.75	2.25 -0.7369655942
ENSG00000213246	911.75	926.75 0.0235419155
ENSG00000213261	0.75	0.50 -0.5849625007
ENSG00000213269	0.75	0.50 -0.5849625007
ENSG00000213272	0.25	0.50 1.0000000000
ENSG00000213275	0.50	0.50 0.0000000000
ENSG00000213277	2.50	3.75 0.5849625007
ENSG00000213280	0.75	0.25 -1.5849625007
ENSG00000213281	742.00	837.75 0.1751005946
ENSG00000213285	7.75	2.75 -1.4947646917
ENSG00000213290	1.00	0.50 -1.0000000000
ENSG00000213297	74.50	56.75 -0.3926200332
ENSG00000213300	23.00	27.50 0.2577977575
ENSG00000213303	1.50	0.75 -1.0000000000
ENSG00000213304	2.00	1.50 -0.4150374993
ENSG00000213316	9.25	3.00 -1.6244908649
ENSG00000213326	2.50	1.25 -1.0000000000
ENSG00000213328	0.25	0.25 0.0000000000
ENSG00000213337	109.25	105.50 -0.0503902808
ENSG00000213338	1.00	1.00 0.0000000000
ENSG00000213339	488.25	512.75 0.0706355426
ENSG00000213341	523.50	595.00 0.1847001313
ENSG00000213347	63.25	52.50 -0.2687480570
ENSG00000213352	0.50	0.50 0.0000000000
ENSG00000213358	5.75	3.25 -0.8231222379
ENSG00000213362	6.25	5.50 -0.1844245711
ENSG00000213366	1525.00	1148.25 -0.4093724591
ENSG00000213376	0.25	0.25 0.0000000000

ENSG00000213380	655.00	559.75	-0.2267122836
ENSG00000213385	1.00	0.75	-0.4150374993
ENSG00000213390	220.25	217.75	-0.0164693003
ENSG00000213394	0.50	0.75	0.5849625007
ENSG00000213397	438.50	401.50	-0.1271768549
ENSG00000213398	202.00	204.75	0.0195081589
ENSG00000213399	0.75	1.25	0.7369655942
ENSG00000213402	1.50	4.50	1.5849625007
ENSG00000213406	1.75	1.25	-0.4854268272
ENSG00000213411	4.75	4.50	-0.0780025120
ENSG00000213412	2.00	4.00	1.0000000000
ENSG00000213413	20.25	17.25	-0.2313255461
ENSG00000213420	29.75	11.75	-1.3402289116
ENSG00000213433	9.00	5.25	-0.7776075787
ENSG00000213434	1.00	0.50	-1.0000000000
ENSG00000213435	13.50	9.25	-0.5454341365
ENSG00000213442	8.75	9.25	0.0801703487
ENSG00000213443	27.50	16.50	-0.7369655942
ENSG00000213445	528.75	682.00	0.3671859810
ENSG00000213453	11.00	11.75	0.0951572330
ENSG00000213462	285.00	177.75	-0.6811123594
ENSG00000213463	905.00	724.00	-0.3219280949
ENSG00000213465	1364.00	1316.50	-0.0511361230
ENSG00000213471	4.75	4.00	-0.2479275134
ENSG00000213492	0.50	0.50	0.0000000000
ENSG00000213493	0.50	0.50	0.0000000000
ENSG00000213512	0.75	0.50	-0.5849625007
ENSG00000213513	0.50	0.75	0.5849625007
ENSG00000213514	0.50	1.00	1.0000000000
ENSG00000213516	232.75	305.50	0.3923912123
ENSG00000213519	0.75	0.50	-0.5849625007
ENSG00000213523	522.25	484.25	-0.1089885385
ENSG00000213529	0.25	0.25	0.0000000000
ENSG00000213533	709.75	645.75	-0.1363352056
ENSG00000213538	0.50	0.25	-1.0000000000
ENSG00000213542	2.50	6.75	1.4329594073
ENSG00000213551	297.75	294.25	-0.0170590928
ENSG00000213553	7.75	11.75	0.6003925413
ENSG00000213557	0.50	1.00	1.0000000000
ENSG00000213563	294.75	361.75	0.2955012036
ENSG00000213568	0.25	0.25	0.0000000000
ENSG00000213585	2636.00	2891.50	0.1334677318
ENSG00000213588	5.50	3.75	-0.5525410230

ENSG00000213590	20.00	20.00	0.0000000000
ENSG00000213593	961.50	1004.00	0.0624005066
ENSG00000213598	0.25	0.50	1.0000000000
ENSG00000213601	0.50	0.25	-1.0000000000
ENSG00000213605	1.00	3.00	1.5849625007
ENSG00000213608	0.25	1.00	2.0000000000
ENSG00000213609	1.00	1.50	0.5849625007
ENSG00000213612	0.25	0.25	0.0000000000
ENSG00000213613	1.25	0.75	-0.7369655942
ENSG00000213614	4524.25	3806.50	-0.2492135734
ENSG00000213619	605.75	524.75	-0.2070922382
ENSG00000213621	43.00	37.75	-0.1878600154
ENSG00000213625	4158.00	5030.75	0.2748837394
ENSG00000213626	7948.00	17809.00	1.1639427317
ENSG00000213638	24.50	31.00	0.3394864663
ENSG00000213639	3561.50	5973.75	0.7461518722
ENSG00000213640	0.25	0.50	1.0000000000
ENSG00000213648	84.25	50.75	-0.7312688640
ENSG00000213654	17.50	16.50	-0.0848888976
ENSG00000213658	144.25	150.25	0.0587936721
ENSG00000213671	1.25	1.25	0.0000000000
ENSG00000213672	472.25	463.50	-0.0269814578
ENSG00000213676	423.25	374.75	-0.1755815899
ENSG00000213683	0.25	0.25	0.0000000000
ENSG00000213689	144.25	112.00	-0.3650725866
ENSG00000213693	20.25	14.25	-0.5069599887
ENSG00000213694	3634.75	3103.50	-0.2279599923
ENSG00000213695	0.50	1.00	1.0000000000
ENSG00000213699	992.75	1125.50	0.1810636959
ENSG00000213700	7.75	6.50	-0.2537565922
ENSG00000213703	0.25	0.50	1.0000000000
ENSG00000213713	123.00	146.50	0.2522423491
ENSG00000213714	1.25	1.50	0.2630344058
ENSG00000213719	509.50	513.75	0.0119843424
ENSG00000213722	431.50	309.00	-0.4817537213
ENSG00000213741	3542.00	3158.75	-0.1652104529
ENSG00000213753	917.00	691.25	-0.4077141585
ENSG00000213754	0.75	1.50	1.0000000000
ENSG00000213757	3.25	2.50	-0.3785116233
ENSG00000213760	9.75	5.75	-0.7618402628
ENSG00000213762	460.00	361.25	-0.3486362736
ENSG00000213763	0.75	1.25	0.7369655942
ENSG00000213770	0.25	0.25	0.0000000000

ENSG00000213777	4.00	2.50 -0.6780719051
ENSG00000213780	41.25	27.25 -0.5981378895
ENSG00000213782	746.75	677.50 -0.1404043861
ENSG00000213799	174.50	156.50 -0.1570643793
ENSG00000213801	34.25	33.25 -0.0427496475
ENSG00000213809	6.25	5.00 -0.3219280949
ENSG00000213830	1.25	0.25 -2.3219280949
ENSG00000213839	74.00	78.75 0.0897546528
ENSG00000213842	0.25	0.50 1.0000000000
ENSG00000213846	221.50	106.25 -1.0598438575
ENSG00000213853	1180.75	1591.75 0.4309102287
ENSG00000213857	0.50	2.00 2.0000000000
ENSG00000213859	768.50	810.25 0.0763218556
ENSG00000213860	2.25	1.25 -0.8479969066
ENSG00000213862	0.75	0.75 0.0000000000
ENSG00000213865	78.00	71.25 -0.1305841098
ENSG00000213866	2.50	1.00 -1.3219280949
ENSG00000213871	1.00	0.75 -0.4150374993
ENSG00000213872	0.75	1.00 0.4150374993
ENSG00000213881	0.25	0.25 0.0000000000
ENSG00000213885	9.25	5.50 -0.7500217470
ENSG00000213889	17.25	30.00 0.7983661388
ENSG00000213901	35.25	38.50 0.1272351883
ENSG00000213903	69.75	55.00 -0.3427615983
ENSG00000213906	22.75	26.25 0.2064508775
ENSG00000213917	0.25	0.25 0.0000000000
ENSG00000213918	823.00	517.50 -0.6693335680
ENSG00000213920	92.25	101.75 0.1414079782
ENSG00000213923	2461.50	2518.00 0.0327405435
ENSG00000213925	0.25	0.25 0.0000000000
ENSG00000213927	8.25	4.25 -0.9569312781
ENSG00000213928	925.50	846.75 -0.1282969084
ENSG00000213930	353.75	234.50 -0.5931422252
ENSG00000213931	1.00	0.75 -0.4150374993
ENSG00000213937	1.00	0.25 -2.0000000000
ENSG00000213938	0.50	0.50 0.0000000000
ENSG00000213939	1.25	0.75 -0.7369655942
ENSG00000213943	0.50	0.50 0.0000000000
ENSG00000213949	1185.25	1431.75 0.2725882104
ENSG00000213950	0.50	0.50 0.0000000000
ENSG00000213965	138.00	160.75 0.2201504705
ENSG00000213967	18.75	13.00 -0.5283789724
ENSG00000213973	5.50	5.25 -0.0671141959

ENSG00000213976	4.00	3.75	-0.0931094044
ENSG00000213977	3039.75	2723.50	-0.1584908089
ENSG00000213979	0.75	0.25	-1.5849625007
ENSG00000213983	598.75	539.25	-0.1509994795
ENSG00000213988	32.75	23.50	-0.4788341499
ENSG00000213995	884.50	853.00	-0.0523164014
ENSG00000213996	50.50	75.75	0.5849625007
ENSG00000213997	1.25	0.50	-1.3219280949
ENSG00000213999	24.50	14.25	-0.7818198300
ENSG00000214013	501.50	543.75	0.1166937950
ENSG00000214016	1.00	1.75	0.8073549221
ENSG00000214018	2.25	3.50	0.6374299206
ENSG00000214021	1617.00	1453.50	-0.1537886073
ENSG00000214022	966.50	917.75	-0.0746685231
ENSG00000214026	455.25	436.00	-0.0623308822
ENSG00000214029	158.00	117.50	-0.4272638016
ENSG00000214031	5.75	5.00	-0.2016338612
ENSG00000214046	788.25	752.50	-0.0669616830
ENSG00000214050	2.00	1.25	-0.6780719051
ENSG00000214062	0.75	1.25	0.7369655942
ENSG00000214063	1941.75	1953.50	0.0087037896
ENSG00000214078	2021.50	1729.25	-0.2252797472
ENSG00000214087	421.00	389.50	-0.1121969050
ENSG00000214097	0.25	0.75	1.5849625007
ENSG00000214100	1.00	2.00	1.0000000000
ENSG00000214102	5.00	3.25	-0.6214883767
ENSG00000214108	0.25	0.50	1.0000000000
ENSG00000214110	28.50	44.75	0.6509257631
ENSG00000214113	456.75	400.25	-0.1905033261
ENSG00000214114	156.00	171.25	0.1345579590
ENSG00000214121	3.00	2.50	-0.2630344058
ENSG00000214128	15.50	8.75	-0.8249132934
ENSG00000214135	297.75	243.75	-0.2886992892
ENSG00000214140	65.00	42.75	-0.6045152981
ENSG00000214141	0.25	0.25	0.0000000000
ENSG00000214160	423.25	456.00	0.1075237563
ENSG00000214174	302.50	191.00	-0.6633625041
ENSG00000214176	541.75	623.75	0.2033406621
ENSG00000214182	5.50	4.25	-0.3719687774
ENSG00000214185	1.00	0.50	-1.0000000000
ENSG00000214189	196.75	145.00	-0.4403107355
ENSG00000214193	228.00	238.50	0.0649554418
ENSG00000214198	13.00	19.75	0.6033410300

ENSG00000214199	21.00	16.00	-0.3923174228
ENSG00000214203	0.75	0.25	-1.5849625007
ENSG00000214210	1.50	0.25	-2.5849625007
ENSG00000214212	22.25	7.50	-1.5688428354
ENSG00000214223	4.50	5.00	0.1520030934
ENSG00000214226	34.25	35.50	0.0517150365
ENSG00000214243	1.00	0.50	-1.0000000000
ENSG00000214244	0.25	0.50	1.0000000000
ENSG00000214249	0.50	0.25	-1.0000000000
ENSG00000214253	1208.25	1080.25	-0.1615537638
ENSG00000214263	3.00	2.25	-0.4150374993
ENSG00000214265	27.00	19.25	-0.4881009615
ENSG00000214269	1.25	0.50	-1.3219280949
ENSG00000214273	0.75	0.75	0.0000000000
ENSG00000214274	130.75	232.00	0.8273138589
ENSG00000214279	62.25	52.25	-0.2526428000
ENSG00000214280	1.75	1.25	-0.4854268272
ENSG00000214282	2.50	3.50	0.4854268272
ENSG00000214290	13.50	7.50	-0.8479969066
ENSG00000214297	0.25	0.25	0.0000000000
ENSG00000214300	76.25	75.00	-0.0238467420
ENSG00000214309	30.50	22.25	-0.4550039066
ENSG00000214331	109.50	86.50	-0.3401588320
ENSG00000214336	1.50	2.00	0.4150374993
ENSG00000214338	79.00	72.50	-0.1238716582
ENSG00000214357	193.25	113.75	-0.7646018688
ENSG00000214359	0.25	0.25	0.0000000000
ENSG00000214360	0.25	1.00	2.0000000000
ENSG00000214367	239.75	208.50	-0.2014834316
ENSG00000214369	0.75	1.25	0.7369655942
ENSG00000214376	16.50	17.25	0.0641303374
ENSG00000214389	8.00	3.00	-1.4150374993
ENSG00000214391	1.75	1.00	-0.8073549221
ENSG00000214402	181.75	87.00	-1.0628680581
ENSG00000214413	247.25	256.75	0.0543937556
ENSG00000214425	443.00	362.75	-0.2883310845
ENSG00000214433	2.50	1.25	-1.0000000000
ENSG00000214435	80.50	55.25	-0.5430143187
ENSG00000214439	7.00	5.75	-0.2837929660
ENSG00000214447	53.50	18.00	-1.5715419850
ENSG00000214455	184.25	145.75	-0.3381687359
ENSG00000214456	6.50	14.75	1.1822033312
ENSG00000214465	0.25	0.50	1.0000000000

ENSG00000214485	10.75	8.00 -0.4262647547
ENSG00000214491	19.50	19.50 0.0000000000
ENSG00000214510	3.50	1.50 -1.2223924213
ENSG00000214513	3.00	1.25 -1.2630344058
ENSG00000214514	4.25	2.50 -0.7655347464
ENSG00000214517	822.75	927.75 0.1732819746
ENSG00000214525	3.50	2.50 -0.4854268272
ENSG00000214530	133.00	80.75 -0.7198920808
ENSG00000214534	2.00	5.50 1.4594316186
ENSG00000214535	0.75	1.25 0.7369655942
ENSG00000214544	11.50	6.50 -0.8231222379
ENSG00000214553	3.00	2.00 -0.5849625007
ENSG00000214558	0.25	0.25 0.0000000000
ENSG00000214562	182.25	155.00 -0.2336505991
ENSG00000214575	640.00	347.75 -0.8800213903
ENSG00000214595	25.75	25.00 -0.0426443374
ENSG00000214612	0.50	0.50 0.0000000000
ENSG00000214617	1.50	6.00 2.0000000000
ENSG00000214646	0.75	0.25 -1.5849625007
ENSG00000214652	0.50	0.50 0.0000000000
ENSG00000214654	24.25	23.50 -0.0453239905
ENSG00000214655	2476.25	2286.50 -0.1150160560
ENSG00000214659	4.75	4.00 -0.2479275134
ENSG00000214676	0.25	0.25 0.0000000000
ENSG00000214688	41.00	24.50 -0.7428421605
ENSG00000214694	27.75	18.00 -0.6244908649
ENSG00000214695	0.75	2.00 1.4150374993
ENSG00000214700	0.25	0.25 0.0000000000
ENSG00000214706	341.50	319.50 -0.0960696473
ENSG00000214711	10.50	7.25 -0.5343364277
ENSG00000214717	652.75	735.25 0.1717043266
ENSG00000214727	0.25	0.50 1.0000000000
ENSG00000214736	767.75	777.75 0.0186698826
ENSG00000214753	1956.50	2109.25 0.1084549912
ENSG00000214756	83.75	63.75 -0.3936638485
ENSG00000214765	221.00	172.75 -0.3553606590
ENSG00000214776	75.50	50.50 -0.5801932566
ENSG00000214784	1.25	1.00 -0.3219280949
ENSG00000214787	15.25	10.00 -0.6088092427
ENSG00000214796	3.25	2.00 -0.7004397181
ENSG00000214814	472.75	53.50 -3.1434666615
ENSG00000214819	0.25	0.25 0.0000000000
ENSG00000214820	4.00	1.50 -1.4150374993

ENSG00000214826	11.50	6.25	-0.8797057663
ENSG00000214827	68.50	80.50	0.2328847952
ENSG00000214832	4.75	3.50	-0.4405725914
ENSG00000214837	57.75	44.25	-0.3841434913
ENSG00000214846	4.75	7.25	0.6100534817
ENSG00000214855	2.50	4.25	0.7655347464
ENSG00000214867	1.50	0.50	-1.5849625007
ENSG00000214872	3.75	3.25	-0.2064508775
ENSG00000214889	14.75	11.75	-0.3280541977
ENSG00000214908	0.25	0.50	1.0000000000
ENSG00000214914	6.00	7.00	0.2223924213
ENSG00000214940	123.00	141.50	0.2021437375
ENSG00000214941	210.75	146.50	-0.5246319665
ENSG00000214944	438.00	835.50	0.9317089585
ENSG00000214946	0.50	0.75	0.5849625007
ENSG00000214954	15.00	16.25	0.1154772174
ENSG00000214960	36.50	39.00	0.0955776600
ENSG00000214967	84.50	69.00	-0.2923549795
ENSG00000214975	1.00	1.00	0.0000000000
ENSG00000215007	1.00	0.25	-2.0000000000
ENSG00000215009	0.50	0.50	0.0000000000
ENSG00000215012	342.00	541.25	0.6622987947
ENSG00000215018	10.00	13.75	0.4594316186
ENSG00000215021	2551.25	2478.50	-0.0417370184
ENSG00000215030	303.25	370.50	0.2889658972
ENSG00000215032	6.75	5.25	-0.3625700794
ENSG00000215041	439.25	399.75	-0.1359442525
ENSG00000215045	0.25	0.75	1.5849625007
ENSG00000215048	2.00	1.25	-0.6780719051
ENSG00000215049	0.25	0.25	0.0000000000
ENSG00000215077	910.50	790.25	-0.2043498871
ENSG00000215093	2.50	2.00	-0.3219280949
ENSG00000215097	2.50	2.75	0.1375035237
ENSG00000215105	198.25	163.75	-0.2758259593
ENSG00000215113	0.25	0.25	0.0000000000
ENSG00000215114	546.25	426.00	-0.3587079442
ENSG00000215115	0.25	0.25	0.0000000000
ENSG00000215124	6.50	5.50	-0.2410080995
ENSG00000215126	110.75	63.00	-0.8138829651
ENSG00000215146	28.00	33.75	0.2694606750
ENSG00000215154	117.50	80.50	-0.5456000685
ENSG00000215156	1.25	1.00	-0.3219280949
ENSG00000215158	328.00	244.00	-0.4268146671

ENSG00000215174	0.25	0.25	0.0000000000
ENSG00000215187	1.25	1.25	0.0000000000
ENSG00000215193	1169.75	1071.25	-0.1269050244
ENSG00000215208	0.50	0.25	-1.0000000000
ENSG00000215210	0.50	0.25	-1.0000000000
ENSG00000215217	0.50	0.75	0.5849625007
ENSG00000215221	2.50	2.50	0.0000000000
ENSG00000215237	5.25	3.75	-0.4854268272
ENSG00000215251	185.50	253.75	0.4519886355
ENSG00000215252	1607.00	1338.50	-0.2637527900
ENSG00000215262	9.00	9.00	0.0000000000
ENSG00000215270	8.50	6.75	-0.3325753391
ENSG00000215271	195.75	212.00	0.1150519573
ENSG00000215277	3.50	3.50	0.0000000000
ENSG00000215283	1.25	1.75	0.4854268272
ENSG00000215284	0.25	0.25	0.0000000000
ENSG00000215288	1.00	3.25	1.7004397181
ENSG00000215296	0.50	0.75	0.5849625007
ENSG00000215301	6435.25	6971.00	0.1153694315
ENSG00000215302	48.00	37.75	-0.3465577614
ENSG00000215305	784.25	765.75	-0.0344401622
ENSG00000215328	394.50	387.25	-0.0267600612
ENSG00000215347	2.50	2.50	0.0000000000
ENSG00000215354	11.25	12.50	0.1520030934
ENSG00000215367	1.00	0.25	-2.0000000000
ENSG00000215375	358.25	309.50	-0.2110272950
ENSG00000215388	5.25	1.50	-1.8073549221
ENSG00000215399	1.50	5.00	1.7369655942
ENSG00000215414	0.75	0.25	-1.5849625007
ENSG00000215421	455.00	413.75	-0.1371072334
ENSG00000215425	256.50	289.00	0.1721106669
ENSG00000215440	612.50	740.50	0.2737898914
ENSG00000215450	0.25	0.25	0.0000000000
ENSG00000215452	1.00	1.00	0.0000000000
ENSG00000215464	0.25	0.50	1.0000000000
ENSG00000215472	532.75	475.00	-0.1655311746
ENSG00000215475	1.50	2.75	0.8744691179
ENSG00000215477	0.25	0.25	0.0000000000
ENSG00000215481	2.75	7.25	1.3985493765
ENSG00000215482	0.25	0.25	0.0000000000
ENSG00000215492	1.25	0.75	-0.7369655942
ENSG00000215493	34.50	17.25	-1.0000000000
ENSG00000215512	3.00	2.00	-0.5849625007

ENSG00000215522	173.25	189.75	0.1312445333
ENSG00000215529	2.25	0.50	-2.1699250014
ENSG00000215548	27.25	21.75	-0.3252408289
ENSG00000215559	2.25	1.50	-0.5849625007
ENSG00000215571	2.25	1.25	-0.8479969066
ENSG00000215580	2.25	2.75	0.2895066172
ENSG00000215595	0.50	0.75	0.5849625007
ENSG00000215604	0.50	0.50	0.0000000000
ENSG00000215630	23.00	15.75	-0.5462820326
ENSG00000215641	306.25	279.00	-0.1344447221
ENSG00000215695	39.75	50.25	0.3381687359
ENSG00000215704	0.50	0.50	0.0000000000
ENSG00000215712	399.00	366.00	-0.1245450979
ENSG00000215717	1269.25	1206.75	-0.0728494333
ENSG00000215784	10.25	7.25	-0.4995710095
ENSG00000215788	50.75	32.50	-0.6429681042
ENSG00000215790	254.75	154.00	-0.7261517955
ENSG00000215795	3.50	2.00	-0.8073549221
ENSG00000215796	0.25	0.25	0.0000000000
ENSG00000215811	1.25	1.50	0.2630344058
ENSG00000215834	0.75	1.75	1.2223924213
ENSG00000215837	18.50	16.75	-0.1433641752
ENSG00000215838	2.50	1.50	-0.7369655942
ENSG00000215840	1.00	0.25	-2.0000000000
ENSG00000215845	31.25	30.00	-0.0588936891
ENSG00000215861	307.25	236.75	-0.3760485849
ENSG00000215869	0.25	0.50	1.0000000000
ENSG00000215878	2.50	1.50	-0.7369655942
ENSG00000215883	290.50	226.75	-0.3574356129
ENSG00000215895	0.50	1.25	1.3219280949
ENSG00000215899	0.25	0.25	0.0000000000
ENSG00000215908	213.75	197.50	-0.1140717667
ENSG00000215910	14.75	22.25	0.5930903816
ENSG00000215912	8.50	2.00	-2.0874628413
ENSG00000215914	178.50	128.25	-0.4769652484
ENSG00000215915	15.75	12.50	-0.3334237337
ENSG00000216285	2.75	1.75	-0.6520766966
ENSG00000216316	1.25	1.50	0.2630344058
ENSG00000216331	0.75	0.75	0.0000000000
ENSG00000216360	1.75	1.25	-0.4854268272
ENSG00000216412	0.25	0.25	0.0000000000
ENSG00000216475	0.25	0.75	1.5849625007
ENSG00000216490	61.50	36.00	-0.7725895039

ENSG00000216588	7.50	2.25	-1.7369655942
ENSG00000216621	0.50	0.50	0.0000000000
ENSG00000216624	0.25	0.50	1.0000000000
ENSG00000216639	1.50	2.00	0.4150374993
ENSG00000216721	0.25	0.25	0.0000000000
ENSG00000216723	0.25	0.50	1.0000000000
ENSG00000216740	0.25	0.25	0.0000000000
ENSG00000216754	1.25	0.25	-2.3219280949
ENSG00000216775	348.00	183.00	-0.9272436576
ENSG00000216809	14.75	12.25	-0.2679332052
ENSG00000216817	0.25	0.50	1.0000000000
ENSG00000216819	0.50	1.75	1.8073549221
ENSG00000216866	1.75	3.75	1.0995356736
ENSG00000216901	1.00	0.25	-2.0000000000
ENSG00000216906	7.00	4.25	-0.7198920808
ENSG00000216937	25.25	16.00	-0.6582114828
ENSG00000216977	0.25	0.25	0.0000000000
ENSG00000216990	0.50	0.25	-1.0000000000
ENSG00000217026	0.50	0.50	0.0000000000
ENSG00000217027	5.50	6.50	0.2410080995
ENSG00000217120	6.25	6.50	0.0565835284
ENSG00000217128	1751.25	1527.75	-0.1969765696
ENSG00000217130	0.50	0.25	-1.0000000000
ENSG00000217165	64.00	57.00	-0.1671099858
ENSG00000217275	0.25	0.50	1.0000000000
ENSG00000217325	6.25	7.00	0.1634987323
ENSG00000217416	29.50	37.75	0.3557616900
ENSG00000217442	0.50	0.75	0.5849625007
ENSG00000217555	172.50	145.00	-0.2505434617
ENSG00000217624	0.75	0.25	-1.5849625007
ENSG00000217644	0.50	0.50	0.0000000000
ENSG00000217648	22.25	11.00	-1.0163018123
ENSG00000217684	0.75	0.50	-0.5849625007
ENSG00000217716	1.00	1.25	0.3219280949
ENSG00000217783	0.25	1.25	2.3219280949
ENSG00000217801	20.25	19.25	-0.0730634622
ENSG00000217889	0.50	0.50	0.0000000000
ENSG00000217929	1.00	0.75	-0.4150374993
ENSG00000217930	44.25	55.75	0.3332943498
ENSG00000218027	10.00	3.00	-1.7369655942
ENSG00000218052	20.75	18.00	-0.2051144299
ENSG00000218073	1.00	0.50	-1.0000000000
ENSG00000218175	3.00	0.50	-2.5849625007

ENSG00000218189	0.50	0.50	0.0000000000
ENSG00000218208	0.25	0.25	0.0000000000
ENSG00000218226	27.25	32.25	0.2430429306
ENSG00000218227	2.00	1.25	-0.6780719051
ENSG00000218233	0.50	0.25	-1.0000000000
ENSG00000218283	3.00	1.75	-0.7776075787
ENSG00000218336	202.75	154.75	-0.3897625050
ENSG00000218358	4.75	2.75	-0.7884958948
ENSG00000218418	1.75	1.75	0.0000000000
ENSG00000218582	0.25	0.75	1.5849625007
ENSG00000218596	0.25	0.25	0.0000000000
ENSG00000218631	4.25	3.75	-0.1805722456
ENSG00000218713	1.00	0.50	-1.0000000000
ENSG00000218739	848.75	751.00	-0.1765267616
ENSG00000218857	0.25	0.25	0.0000000000
ENSG00000218891	201.75	142.25	-0.5041400210
ENSG00000218896	2.00	1.25	-0.6780719051
ENSG00000218980	55.25	81.50	0.5608255948
ENSG00000218996	1.75	2.00	0.1926450779
ENSG00000219039	0.75	0.25	-1.5849625007
ENSG00000219073	3.75	3.50	-0.0995356736
ENSG00000219085	1.25	1.00	-0.3219280949
ENSG00000219088	0.25	3.25	3.7004397181
ENSG00000219102	2.50	3.00	0.2630344058
ENSG00000219133	1.25	0.25	-2.3219280949
ENSG00000219146	0.25	0.25	0.0000000000
ENSG00000219186	0.50	0.50	0.0000000000
ENSG00000219188	0.50	0.25	-1.0000000000
ENSG00000219200	1641.00	1422.75	-0.2058930594
ENSG00000219201	0.75	2.00	1.4150374993
ENSG00000219273	30.25	23.50	-0.3642743856
ENSG00000219355	0.50	0.50	0.0000000000
ENSG00000219392	1.00	1.75	0.8073549221
ENSG00000219395	1.50	3.00	1.0000000000
ENSG00000219404	0.25	0.25	0.0000000000
ENSG00000219433	0.25	0.25	0.0000000000
ENSG00000219435	3.00	1.75	-0.7776075787
ENSG00000219438	1.25	3.00	1.2630344058
ENSG00000219470	1.75	3.75	1.0995356736
ENSG00000219481	1250.75	746.50	-0.7445792869
ENSG00000219507	14.75	16.25	0.1397247637
ENSG00000219529	2.25	2.25	0.0000000000
ENSG00000219565	1.50	8.75	2.5443205162

ENSG00000219604	1.75	1.00 -0.8073549221
ENSG00000219607	80.75	70.25 -0.2009640345
ENSG00000219626	211.25	186.00 -0.1836487201
ENSG00000219642	0.50	3.25 2.7004397181
ENSG00000219682	0.75	0.25 -1.5849625007
ENSG00000219693	1.25	1.00 -0.3219280949
ENSG00000219747	2.25	3.25 0.5305147167
ENSG00000219755	17.00	16.25 -0.0650950282
ENSG00000219776	0.25	0.75 1.5849625007
ENSG00000219881	1.25	0.25 -2.3219280949
ENSG00000219891	46.50	31.75 -0.5504741243
ENSG00000219902	1.00	0.25 -2.0000000000
ENSG00000219928	0.50	0.25 -1.0000000000
ENSG00000219932	0.50	0.75 0.5849625007
ENSG00000219951	1.25	0.50 -1.3219280949
ENSG00000219992	5.25	7.00 0.4150374993
ENSG00000220130	0.25	0.25 0.0000000000
ENSG00000220201	17.50	26.50 0.5986374376
ENSG00000220205	813.75	979.75 0.2678280295
ENSG00000220267	0.50	0.50 0.0000000000
ENSG00000220305	3.75	5.00 0.4150374993
ENSG00000220323	5.75	7.25 0.3344190391
ENSG00000220343	1.75	1.50 -0.2223924213
ENSG00000220378	0.25	0.75 1.5849625007
ENSG00000220391	0.50	0.50 0.0000000000
ENSG00000220392	0.50	0.75 0.5849625007
ENSG00000220472	0.75	0.25 -1.5849625007
ENSG00000220494	1.50	1.25 -0.2630344058
ENSG00000220506	1.25	1.00 -0.3219280949
ENSG00000220548	0.25	0.50 1.0000000000
ENSG00000220563	12.25	3.75 -1.7078192485
ENSG00000220583	2.50	3.00 0.2630344058
ENSG00000220614	1.25	1.00 -0.3219280949
ENSG00000220685	3.00	0.50 -2.5849625007
ENSG00000220694	0.25	0.50 1.0000000000
ENSG00000220695	0.25	0.50 1.0000000000
ENSG00000220744	2.75	1.00 -1.4594316186
ENSG00000220749	4.00	2.75 -0.5405683814
ENSG00000220785	459.75	254.50 -0.8531839183
ENSG00000220793	2.75	4.50 0.7104933828
ENSG00000220804	54.50	42.75 -0.3503318099
ENSG00000220842	2408.75	1964.00 -0.2944897369
ENSG00000220848	37.75	47.75 0.3390240887

ENSG00000220867	3.25	1.00	-1.7004397181
ENSG00000220875	0.25	0.75	1.5849625007
ENSG00000220920	3.50	5.25	0.5849625007
ENSG00000221818	12.75	12.00	-0.0874628413
ENSG00000221821	64.25	50.75	-0.3402886320
ENSG00000221823	1001.50	1001.25	-0.0003601785
ENSG00000221826	25.00	6.50	-1.9434164716
ENSG00000221829	212.25	116.75	-0.8623420038
ENSG00000221838	453.50	322.50	-0.4918033902
ENSG00000221843	56.00	31.25	-0.8415706374
ENSG00000221852	0.75	4.00	2.4150374993
ENSG00000221866	223.75	1791.25	3.0010071170
ENSG00000221869	1114.00	2944.75	1.4023959263
ENSG00000221878	20.00	11.00	-0.8624964763
ENSG00000221883	29.75	20.25	-0.5549677604
ENSG00000221886	81.75	77.00	-0.0863602848
ENSG00000221887	1.50	8.50	2.5025003405
ENSG00000221890	109.50	116.25	0.0862998464
ENSG00000221909	194.50	154.75	-0.3298307458
ENSG00000221914	787.50	725.75	-0.1178072566
ENSG00000221916	3.25	3.25	0.0000000000
ENSG00000221923	192.00	141.25	-0.4428554434
ENSG00000221926	351.25	216.00	-0.7014669129
ENSG00000221932	0.25	0.25	0.0000000000
ENSG00000221944	157.00	141.25	-0.1525136916
ENSG00000221946	2.25	0.75	-1.5849625007
ENSG00000221947	16.00	14.50	-0.1420190049
ENSG00000221955	115.00	127.75	0.1516894300
ENSG00000221963	1215.00	890.25	-0.4486738781
ENSG00000221968	1428.75	2513.75	0.8150876781
ENSG00000221970	9.50	4.75	-1.0000000000
ENSG00000221974	41.25	27.25	-0.5981378895
ENSG00000221978	3926.50	4491.50	0.1939534368
ENSG00000221983	7476.75	6485.75	-0.2051378798
ENSG00000221986	0.75	1.50	1.0000000000
ENSG00000221988	24.50	10.25	-1.2571578395
ENSG00000221989	0.25	0.25	0.0000000000
ENSG00000221994	42.75	17.00	-1.3303896736
ENSG00000221995	72.50	54.00	-0.4250215879
ENSG00000222009	392.00	238.50	-0.7168643881
ENSG00000222011	83.50	63.25	-0.4007107178
ENSG00000222014	0.25	0.25	0.0000000000
ENSG00000222018	27.00	8.50	-1.6674246609

ENSG00000222019	25.50	20.75	-0.2973859106
ENSG00000222024	0.25	0.50	1.0000000000
ENSG00000222028	0.25	0.50	1.0000000000
ENSG00000222046	10.25	9.00	-0.1876270032
ENSG00000222047	14.00	6.25	-1.1634987323
ENSG00000223345	9.75	7.50	-0.3785116233
ENSG00000223352	0.25	0.50	1.0000000000
ENSG00000223355	2.00	2.25	0.1699250014
ENSG00000223361	19.50	19.50	0.0000000000
ENSG00000223367	4454.25	3999.00	-0.1555432522
ENSG00000223375	0.50	0.50	0.0000000000
ENSG00000223416	0.50	0.50	0.0000000000
ENSG00000223431	0.25	1.00	2.0000000000
ENSG00000223439	1.50	0.50	-1.5849625007
ENSG00000223443	2.50	2.75	0.1375035237
ENSG00000223450	1.75	0.50	-1.8073549221
ENSG00000223459	259.00	229.75	-0.1728872364
ENSG00000223460	0.75	0.25	-1.5849625007
ENSG00000223463	25.75	8.75	-1.5572175102
ENSG00000223476	0.50	0.75	0.5849625007
ENSG00000223481	61.75	62.75	0.0231763224
ENSG00000223493	20.00	18.25	-0.1321035360
ENSG00000223494	34.50	19.75	-0.8047437086
ENSG00000223495	0.25	0.50	1.0000000000
ENSG00000223496	366.75	279.50	-0.3919486828
ENSG00000223501	133.00	103.75	-0.3583149093
ENSG00000223503	0.25	0.25	0.0000000000
ENSG00000223505	1.00	1.25	0.3219280949
ENSG00000223508	52.50	36.50	-0.5244209588
ENSG00000223509	242.75	208.75	-0.2176950981
ENSG00000223510	1.75	4.00	1.1926450779
ENSG00000223518	6.25	2.75	-1.1844245711
ENSG00000223519	69.00	33.50	-1.0424352663
ENSG00000223529	3.00	1.50	-1.0000000000
ENSG00000223531	0.50	0.25	-1.0000000000
ENSG00000223532	339.00	263.00	-0.3662224738
ENSG00000223533	87.50	70.50	-0.3116597594
ENSG00000223535	0.25	0.75	1.5849625007
ENSG00000223547	312.00	262.25	-0.2506032563
ENSG00000223549	1.00	1.00	0.0000000000
ENSG00000223551	2.50	3.25	0.3785116233
ENSG00000223583	0.75	0.50	-0.5849625007
ENSG00000223606	0.75	0.50	-0.5849625007

ENSG00000223609	6.00	3.75	-0.6780719051
ENSG00000223618	71.50	45.25	-0.6600254497
ENSG00000223624	0.25	0.50	1.0000000000
ENSG00000223638	0.50	7.00	3.8073549221
ENSG00000223639	509.50	513.75	0.0119843424
ENSG00000223654	13.75	17.75	0.3683874060
ENSG00000223658	7.25	9.75	0.4274212237
ENSG00000223663	0.75	0.75	0.0000000000
ENSG00000223666	12.50	9.00	-0.4739311883
ENSG00000223668	1.50	0.25	-2.5849625007
ENSG00000223680	4.25	3.50	-0.2801079192
ENSG00000223687	22.25	1.25	-4.1538053361
ENSG00000223699	2.00	0.75	-1.4150374993
ENSG00000223705	971.00	724.00	-0.4234815983
ENSG00000223722	11.50	18.75	0.7052567344
ENSG00000223723	1.00	1.00	0.0000000000
ENSG00000223741	0.25	0.50	1.0000000000
ENSG00000223752	12.25	8.25	-0.5703157248
ENSG00000223756	534.00	355.00	-0.5890207173
ENSG00000223757	5.50	3.50	-0.6520766966
ENSG00000223760	0.75	0.50	-0.5849625007
ENSG00000223766	33.25	22.25	-0.5795490045
ENSG00000223767	61.75	49.50	-0.3190106115
ENSG00000223773	91.75	68.00	-0.4321734116
ENSG00000223775	92.00	79.00	-0.2197812079
ENSG00000223779	9.50	7.25	-0.3899465183
ENSG00000223787	0.50	0.25	-1.0000000000
ENSG00000223798	2.75	1.50	-0.8744691179
ENSG00000223802	43.25	15.50	-1.4804319172
ENSG00000223803	0.75	0.25	-1.5849625007
ENSG00000223804	101.50	113.25	0.1580313229
ENSG00000223819	0.25	0.75	1.5849625007
ENSG00000223820	18.25	7.00	-1.3824696368
ENSG00000223822	0.25	0.25	0.0000000000
ENSG00000223825	0.75	0.75	0.0000000000
ENSG00000223836	0.25	0.75	1.5849625007
ENSG00000223849	1.00	0.50	-1.0000000000
ENSG00000223865	18.00	9.75	-0.8845227826
ENSG00000223875	13.50	11.00	-0.2954558835
ENSG00000223878	10.50	8.00	-0.3923174228
ENSG00000223885	0.25	0.25	0.0000000000
ENSG00000223886	3.75	4.50	0.2630344058
ENSG00000223887	41.25	30.75	-0.4238077089

ENSG00000223892	1.00	0.50 -1.0000000000
ENSG00000223899	1.00	0.75 -0.4150374993
ENSG00000223912	0.50	0.75 0.5849625007
ENSG00000223917	1.00	1.75 0.8073549221
ENSG00000223922	3.00	1.00 -1.5849625007
ENSG00000223927	0.50	0.25 -1.0000000000
ENSG00000223932	51.00	49.25 -0.0503735225
ENSG00000223945	0.25	0.50 1.0000000000
ENSG00000223953	417.75	560.25 0.4234309154
ENSG00000223957	191.50	132.00 -0.5368064626
ENSG00000223959	191.50	157.50 -0.2819925635
ENSG00000223972	13.00	3.75 -1.7935491225
ENSG00000223980	188.25	168.00 -0.1641886319
ENSG00000224006	4.75	5.00 0.0740005814
ENSG00000224014	1.75	1.00 -0.8073549221
ENSG00000224039	1.00	0.75 -0.4150374993
ENSG00000224051	340.00	301.25 -0.1745735050
ENSG00000224058	6.50	5.75 -0.1768777621
ENSG00000224060	0.25	0.25 0.0000000000
ENSG00000224067	0.50	0.75 0.5849625007
ENSG00000224072	2.50	1.00 -1.3219280949
ENSG00000224080	3.25	13.00 2.0000000000
ENSG00000224081	66.00	46.25 -0.5130126588
ENSG00000224094	1.25	1.00 -0.3219280949
ENSG00000224097	4.00	2.00 -1.0000000000
ENSG00000224103	12.75	9.75 -0.3870231231
ENSG00000224106	0.75	0.75 0.0000000000
ENSG00000224114	9.50	8.50 -0.1604646722
ENSG00000224120	17.25	16.00 -0.1085244568
ENSG00000224126	9.00	9.50 0.0780025120
ENSG00000224143	56.00	42.00 -0.4150374993
ENSG00000224156	2498.75	1099.75 -1.1840309657
ENSG00000224168	0.50	0.25 -1.0000000000
ENSG00000224172	0.25	0.25 0.0000000000
ENSG00000224180	87.50	70.50 -0.3116597594
ENSG00000224183	5.50	2.50 -1.1375035237
ENSG00000224200	12.50	7.25 -0.7858751946
ENSG00000224203	0.75	0.25 -1.5849625007
ENSG00000224212	41.00	91.50 1.1581478337
ENSG00000224227	0.25	0.50 1.0000000000
ENSG00000224232	1.00	1.25 0.3219280949
ENSG00000224253	2.25	1.50 -0.5849625007
ENSG00000224261	4.00	3.50 -0.1926450779

ENSG00000224264	84.25	58.25 -0.5324186365
ENSG00000224282	0.25	0.25 0.0000000000
ENSG00000224287	68.00	47.00 -0.5328739896
ENSG00000224290	7.50	6.25 -0.2630344058
ENSG00000224295	10.00	4.25 -1.2344652536
ENSG00000224299	0.25	0.50 1.0000000000
ENSG00000224302	0.25	0.25 0.0000000000
ENSG00000224309	1.25	2.00 0.6780719051
ENSG00000224313	40.50	33.50 -0.2737608124
ENSG00000224316	1.75	0.75 -1.2223924213
ENSG00000224320	449.25	426.50 -0.0749727622
ENSG00000224321	1.00	0.25 -2.0000000000
ENSG00000224331	2.25	1.00 -1.1699250014
ENSG00000224333	0.25	0.25 0.0000000000
ENSG00000224335	0.25	0.25 0.0000000000
ENSG00000224370	2.75	2.50 -0.1375035237
ENSG00000224383	10.50	6.50 -0.6918777046
ENSG00000224389	134.75	107.25 -0.3293076253
ENSG00000224393	0.50	0.25 -1.0000000000
ENSG00000224398	113.25	120.25 0.0865258437
ENSG00000224399	606.25	476.25 -0.3481937496
ENSG00000224401	0.50	1.25 1.3219280949
ENSG00000224411	1.50	0.75 -1.0000000000
ENSG00000224414	5.00	5.75 0.2016338612
ENSG00000224420	2.25	3.00 0.4150374993
ENSG00000224427	0.50	0.25 -1.0000000000
ENSG00000224430	1.50	0.50 -1.5849625007
ENSG00000224431	33.75	26.00 -0.3763758789
ENSG00000224448	0.75	1.00 0.4150374993
ENSG00000224452	2.75	1.00 -1.4594316186
ENSG00000224455	127.00	135.00 0.0881309103
ENSG00000224470	1091.00	1256.25 0.2034724946
ENSG00000224472	21.00	24.75 0.2370391973
ENSG00000224473	0.50	0.75 0.5849625007
ENSG00000224479	7.50	5.25 -0.5145731728
ENSG00000224484	0.50	0.25 -1.0000000000
ENSG00000224497	1.50	0.75 -1.0000000000
ENSG00000224501	265.00	192.25 -0.4630087615
ENSG00000224526	2.75	2.75 0.0000000000
ENSG00000224531	246.25	338.00 0.4568995219
ENSG00000224543	5.50	4.00 -0.4594316186
ENSG00000224544	0.25	0.50 1.0000000000
ENSG00000224546	1.50	1.75 0.2223924213

ENSG00000224552	93.75	130.75	0.4799203509
ENSG00000224564	0.25	0.25	0.0000000000
ENSG00000224566	1.75	1.00	-0.8073549221
ENSG00000224578	67.25	67.75	0.0106866788
ENSG00000224587	173.00	146.50	-0.2398713732
ENSG00000224594	25.75	17.50	-0.5572175102
ENSG00000224608	2196.75	1842.50	-0.2537060746
ENSG00000224629	3.50	1.50	-1.2223924213
ENSG00000224631	1.75	1.50	-0.2223924213
ENSG00000224647	0.50	0.50	0.0000000000
ENSG00000224650	0.25	1.50	2.5849625007
ENSG00000224668	0.50	2.25	2.1699250014
ENSG00000224672	1.00	0.50	-1.0000000000
ENSG00000224674	1.00	1.50	0.5849625007
ENSG00000224678	0.50	0.25	-1.0000000000
ENSG00000224680	1.25	1.25	0.0000000000
ENSG00000224689	2.25	1.75	-0.3625700794
ENSG00000224690	5.50	5.00	-0.1375035237
ENSG00000224712	1.50	7.50	2.3219280949
ENSG00000224722	0.50	0.25	-1.0000000000
ENSG00000224727	0.75	0.75	0.0000000000
ENSG00000224728	7.25	4.50	-0.6880559937
ENSG00000224736	7.00	8.00	0.1926450779
ENSG00000224740	927.75	934.75	0.0108444702
ENSG00000224747	1.75	0.50	-1.8073549221
ENSG00000224748	3.75	1.25	-1.5849625007
ENSG00000224769	9.25	6.50	-0.5090136475
ENSG00000224774	194.75	146.00	-0.4156549592
ENSG00000224775	0.75	0.25	-1.5849625007
ENSG00000224782	51.50	51.25	-0.0070204277
ENSG00000224786	1.00	0.50	-1.0000000000
ENSG00000224800	1.25	2.25	0.8479969066
ENSG00000224807	0.50	0.25	-1.0000000000
ENSG00000224809	0.25	0.25	0.0000000000
ENSG00000224826	2.75	0.75	-1.8744691179
ENSG00000224827	1.00	0.75	-0.4150374993
ENSG00000224831	45.50	38.00	-0.2598671268
ENSG00000224837	62.00	60.25	-0.0413069742
ENSG00000224841	159.00	153.50	-0.0507881099
ENSG00000224856	0.25	0.50	1.0000000000
ENSG00000224858	3.00	3.00	0.0000000000
ENSG00000224861	1.75	3.25	0.8930847961
ENSG00000224864	3.50	0.75	-2.2223924213

ENSG00000224877	281.00	235.75 -0.2533123595
ENSG00000224881	22.75	18.75 -0.2789759497
ENSG00000224892	28.25	23.50 -0.2655901107
ENSG00000224940	2.25	3.75 0.7369655942
ENSG00000224941	21.00	24.75 0.2370391973
ENSG00000224952	119.00	88.75 -0.4231425489
ENSG00000224967	1.00	0.25 -2.0000000000
ENSG00000224976	1.25	0.75 -0.7369655942
ENSG00000224979	39.00	28.25 -0.4652232564
ENSG00000224981	6.00	4.00 -0.5849625007
ENSG00000224982	1.00	3.75 1.9068905956
ENSG00000224993	1.00	1.25 0.3219280949
ENSG00000224994	22.50	21.00 -0.0995356736
ENSG00000225005	4.00	3.75 -0.0931094044
ENSG00000225008	0.25	0.25 0.0000000000
ENSG00000225031	34.50	29.75 -0.2137066935
ENSG00000225036	0.50	0.50 0.0000000000
ENSG00000225043	0.50	0.25 -1.0000000000
ENSG00000225051	4.50	2.25 -1.0000000000
ENSG00000225060	620.50	531.50 -0.2233615186
ENSG00000225066	0.75	0.50 -0.5849625007
ENSG00000225067	1.25	1.75 0.4854268272
ENSG00000225071	0.50	0.75 0.5849625007
ENSG00000225073	412.00	466.25 0.1784593880
ENSG00000225080	9.75	9.50 -0.0374747054
ENSG00000225086	1.00	0.50 -1.0000000000
ENSG00000225093	1.00	1.00 0.0000000000
ENSG00000225094	2.50	2.00 -0.3219280949
ENSG00000225100	4.25	3.25 -0.3870231231
ENSG00000225108	13.50	11.75 -0.2002986505
ENSG00000225109	0.25	0.75 1.5849625007
ENSG00000225120	1.75	1.75 0.0000000000
ENSG00000225125	9.25	4.50 -1.0395283642
ENSG00000225141	18.25	12.25 -0.5751147148
ENSG00000225151	557.75	328.75 -0.7626277141
ENSG00000225159	1.00	1.00 0.0000000000
ENSG00000225164	253.25	204.75 -0.3066988172
ENSG00000225171	0.75	1.25 0.7369655942
ENSG00000225178	6.75	5.25 -0.3625700794
ENSG00000225190	619.75	505.00 -0.2954029784
ENSG00000225192	0.50	0.50 0.0000000000
ENSG00000225193	1.00	0.50 -1.0000000000
ENSG00000225198	0.25	0.25 0.0000000000

ENSG00000225200	1.25	0.75	-0.7369655942
ENSG00000225201	1611.75	1839.50	0.1906856928
ENSG00000225210	162.75	171.75	0.0776525557
ENSG00000225217	2.75	0.50	-2.4594316186
ENSG00000225224	0.50	0.50	0.0000000000
ENSG00000225246	0.25	0.25	0.0000000000
ENSG00000225259	3.75	4.00	0.0931094044
ENSG00000225264	12.75	8.50	-0.5849625007
ENSG00000225282	0.50	0.75	0.5849625007
ENSG00000225312	12.75	9.75	-0.3870231231
ENSG00000225338	0.25	0.25	0.0000000000
ENSG00000225345	20.00	16.50	-0.2775339755
ENSG00000225349	0.25	0.75	1.5849625007
ENSG00000225351	3.00	3.00	0.0000000000
ENSG00000225362	4.75	2.75	-0.7884958948
ENSG00000225366	2.50	4.50	0.8479969066
ENSG00000225398	24.00	14.25	-0.7520724866
ENSG00000225400	10.00	5.75	-0.7983661388
ENSG00000225415	0.50	0.50	0.0000000000
ENSG00000225419	0.25	1.25	2.3219280949
ENSG00000225422	6.50	12.50	0.9434164716
ENSG00000225447	3.75	1.25	-1.5849625007
ENSG00000225452	61.75	49.50	-0.3190106115
ENSG00000225492	18.25	11.75	-0.6352357072
ENSG00000225507	16.25	13.00	-0.3219280949
ENSG00000225526	3.75	4.50	0.2630344058
ENSG00000225531	0.50	0.25	-1.0000000000
ENSG00000225553	1368.00	1141.75	-0.2608214405
ENSG00000225556	5.50	3.00	-0.8744691179
ENSG00000225573	1.25	1.25	0.0000000000
ENSG00000225589	8.00	7.25	-0.1420190049
ENSG00000225590	133.00	103.75	-0.3583149093
ENSG00000225591	0.25	0.25	0.0000000000
ENSG00000225614	795.00	880.50	0.1473681437
ENSG00000225630	1145.25	1096.00	-0.0634147646
ENSG00000225635	214.25	171.00	-0.3252988792
ENSG00000225639	0.25	0.25	0.0000000000
ENSG00000225648	435.50	393.00	-0.1481434063
ENSG00000225663	1406.75	1296.25	-0.1180219744
ENSG00000225682	40.50	33.50	-0.2737608124
ENSG00000225691	1466.50	1495.50	0.0282508394
ENSG00000225693	3.25	2.75	-0.2410080995
ENSG00000225695	0.50	0.50	0.0000000000

ENSG00000225697	290.00	496.50	0.7757408175
ENSG00000225704	3.50	1.50	-1.2223924213
ENSG00000225715	0.50	0.25	-1.0000000000
ENSG00000225726	1.25	0.75	-0.7369655942
ENSG00000225737	17.25	30.00	0.7983661388
ENSG00000225748	164.75	153.00	-0.1067468123
ENSG00000225766	3.75	5.75	0.6166713604
ENSG00000225805	1.25	1.00	-0.3219280949
ENSG00000225808	4.00	4.25	0.0874628413
ENSG00000225813	1.50	1.25	-0.2630344058
ENSG00000225824	1.00	2.00	1.0000000000
ENSG00000225828	93.00	80.75	-0.2037684564
ENSG00000225830	382.25	268.75	-0.5082517469
ENSG00000225840	4737.00	4443.00	-0.0924395306
ENSG00000225843	0.75	0.50	-0.5849625007
ENSG00000225849	1.50	0.50	-1.5849625007
ENSG00000225859	936.75	900.75	-0.0565373259
ENSG00000225871	6.50	5.50	-0.2410080995
ENSG00000225873	0.50	0.75	0.5849625007
ENSG00000225883	2.25	4.50	1.0000000000
ENSG00000225890	17.75	12.50	-0.5058909297
ENSG00000225907	0.50	0.50	0.0000000000
ENSG00000225920	12.25	11.50	-0.0911478881
ENSG00000225921	639.75	609.75	-0.0692903892
ENSG00000225932	19.75	15.50	-0.3495844378
ENSG00000225940	0.25	0.50	1.0000000000
ENSG00000225950	1.75	1.75	0.0000000000
ENSG00000225967	61.75	62.75	0.0231763224
ENSG00000225968	15.50	6.00	-1.3692338097
ENSG00000225972	44.25	45.00	0.0242475462
ENSG00000225973	81.75	70.50	-0.2135954731
ENSG00000225987	43.00	28.50	-0.5933747405
ENSG00000225989	257.00	234.50	-0.1321804367
ENSG00000225991	1.00	0.75	-0.4150374993
ENSG00000225998	39.00	28.25	-0.4652232564
ENSG00000226002	4.00	2.00	-1.0000000000
ENSG00000226015	19.00	17.00	-0.1604646722
ENSG00000226024	0.50	0.50	0.0000000000
ENSG00000226033	54.25	46.25	-0.2301697719
ENSG00000226054	4.75	8.50	0.8395353278
ENSG00000226055	6.25	4.50	-0.4739311883
ENSG00000226059	2.50	2.25	-0.1520030934
ENSG00000226060	129.50	117.25	-0.1433641752

ENSG00000226065	12.50	16.50	0.4005379296
ENSG00000226084	4.75	2.50	-0.9259994186
ENSG00000226085	27.25	16.75	-0.7020951343
ENSG00000226086	0.50	0.75	0.5849625007
ENSG00000226102	0.25	0.25	0.0000000000
ENSG00000226103	16.75	31.75	0.9225954963
ENSG00000226107	1.50	0.75	-1.0000000000
ENSG00000226111	92.00	79.00	-0.2197812079
ENSG00000226121	4.00	12.75	1.6724253420
ENSG00000226124	28.75	18.75	-0.6166713604
ENSG00000226131	0.25	0.25	0.0000000000
ENSG00000226132	0.25	0.50	1.0000000000
ENSG00000226138	0.25	0.25	0.0000000000
ENSG00000226147	4.00	1.50	-1.4150374993
ENSG00000226148	0.75	0.25	-1.5849625007
ENSG00000226153	1.50	0.50	-1.5849625007
ENSG00000226158	0.25	0.25	0.0000000000
ENSG00000226171	124.50	143.25	0.2023893967
ENSG00000226173	125.50	94.00	-0.4169547023
ENSG00000226174	28.75	16.50	-0.8010959316
ENSG00000226188	0.50	1.50	1.5849625007
ENSG00000226201	68.50	40.75	-0.7493039287
ENSG00000226210	167.50	132.25	-0.3408933732
ENSG00000226215	7.50	6.25	-0.2630344058
ENSG00000226221	2.50	1.00	-1.3219280949
ENSG00000226225	4454.25	3999.00	-0.1555432522
ENSG00000226232	93.25	103.25	0.1469661512
ENSG00000226243	0.25	0.75	1.5849625007
ENSG00000226248	509.50	513.75	0.0119843424
ENSG00000226257	56.50	46.25	-0.2887975019
ENSG00000226259	137.00	131.25	-0.0618584704
ENSG00000226264	1.25	0.75	-0.7369655942
ENSG00000226267	2.25	1.00	-1.1699250014
ENSG00000226268	7.50	2.75	-1.4474589770
ENSG00000226278	8.25	5.25	-0.6520766966
ENSG00000226279	1.75	1.25	-0.4854268272
ENSG00000226284	0.75	1.00	0.4150374993
ENSG00000226306	0.50	2.00	2.0000000000
ENSG00000226309	0.25	0.25	0.0000000000
ENSG00000226314	37.00	21.00	-0.8171359429
ENSG00000226318	14.00	12.25	-0.1926450779
ENSG00000226321	8.75	4.50	-0.9593580155
ENSG00000226329	19.25	21.00	0.1255308821

ENSG00000226342	0.50	0.25 -1.0000000000
ENSG00000226354	0.25	0.50 1.0000000000
ENSG00000226356	2.75	1.75 -0.6520766966
ENSG00000226359	1.00	0.75 -0.4150374993
ENSG00000226360	1.25	2.75 1.1375035237
ENSG00000226361	0.50	0.25 -1.0000000000
ENSG00000226379	0.25	0.25 0.0000000000
ENSG00000226384	62.25	64.25 0.0456226171
ENSG00000226393	3.00	3.50 0.2223924213
ENSG00000226396	1.25	1.25 0.0000000000
ENSG00000226404	4.00	3.50 -0.1926450779
ENSG00000226406	0.75	0.25 -1.5849625007
ENSG00000226410	0.25	0.25 0.0000000000
ENSG00000226413	1.00	1.75 0.8073549221
ENSG00000226415	0.75	2.00 1.4150374993
ENSG00000226417	509.50	513.75 0.0119843424
ENSG00000226430	3.25	1.25 -1.3785116233
ENSG00000226437	259.75	181.75 -0.5151683850
ENSG00000226457	0.75	0.75 0.0000000000
ENSG00000226467	78.75	105.75 0.4253058347
ENSG00000226469	5.75	5.50 -0.0641303374
ENSG00000226479	501.00	496.25 -0.0137435012
ENSG00000226491	2.00	1.25 -0.6780719051
ENSG00000226492	76.75	70.25 -0.1276685251
ENSG00000226493	0.50	0.50 0.0000000000
ENSG00000226498	3.00	0.50 -2.5849625007
ENSG00000226499	0.50	0.50 0.0000000000
ENSG00000226517	1.75	1.75 0.0000000000
ENSG00000226525	1.00	1.50 0.5849625007
ENSG00000226531	16.75	31.75 0.9225954963
ENSG00000226535	0.25	0.75 1.5849625007
ENSG00000226540	0.25	0.25 0.0000000000
ENSG00000226553	0.75	0.50 -0.5849625007
ENSG00000226560	63.50	49.50 -0.3593280667
ENSG00000226564	14.00	14.75 0.0752881273
ENSG00000226586	1.50	0.50 -1.5849625007
ENSG00000226589	94.50	104.50 0.1451167079
ENSG00000226603	0.25	0.25 0.0000000000
ENSG00000226608	19.00	10.25 -0.8903755088
ENSG00000226614	606.25	476.25 -0.3481937496
ENSG00000226618	1344.00	1208.75 -0.1530172484
ENSG00000226624	1.75	0.25 -2.8073549221
ENSG00000226631	1.25	1.25 0.0000000000

ENSG00000226632	0.75	0.25	-1.5849625007
ENSG00000226634	224.25	174.00	-0.3660206791
ENSG00000226651	509.50	513.75	0.0119843424
ENSG00000226652	4.25	2.50	-0.7655347464
ENSG00000226677	0.75	1.00	0.4150374993
ENSG00000226704	6.00	7.00	0.2223924213
ENSG00000226710	846.75	745.00	-0.1846956561
ENSG00000226721	0.75	1.00	0.4150374993
ENSG00000226742	109.00	136.00	0.3192785165
ENSG00000226763	13.75	12.25	-0.1666498694
ENSG00000226784	1.75	1.00	-0.8073549221
ENSG00000226788	312.25	289.75	-0.1078929106
ENSG00000226789	8.00	5.50	-0.5405683814
ENSG00000226790	1.00	0.75	-0.4150374993
ENSG00000226823	7.75	7.50	-0.0473057148
ENSG00000226826	18.00	9.75	-0.8845227826
ENSG00000226845	0.25	0.75	1.5849625007
ENSG00000226850	12.50	9.75	-0.3584539709
ENSG00000226863	0.75	0.75	0.0000000000
ENSG00000226874	2.50	1.25	-1.0000000000
ENSG00000226882	960.25	754.00	-0.3488455353
ENSG00000226887	11.50	29.50	1.3590810933
ENSG00000226916	166.25	165.00	-0.0108883161
ENSG00000226933	0.75	0.50	-0.5849625007
ENSG00000226936	33.75	39.75	0.2360673582
ENSG00000226937	9.25	9.50	0.0384741478
ENSG00000226942	0.50	1.00	1.0000000000
ENSG00000226945	0.75	0.50	-0.5849625007
ENSG00000226964	14.00	21.75	0.6355885738
ENSG00000226971	0.75	0.50	-0.5849625007
ENSG00000226975	1.50	0.50	-1.5849625007
ENSG00000226976	0.50	0.50	0.0000000000
ENSG00000226977	0.50	0.50	0.0000000000
ENSG00000227001	18.50	29.75	0.6853643977
ENSG00000227008	0.50	1.25	1.3219280949
ENSG00000227019	1.25	0.50	-1.3219280949
ENSG00000227025	2.75	1.50	-0.8744691179
ENSG00000227038	16.75	14.25	-0.2331991763
ENSG00000227046	170.00	120.75	-0.4935115573
ENSG00000227056	0.75	0.50	-0.5849625007
ENSG00000227057	12.25	21.00	0.7776075787
ENSG00000227074	1.50	1.25	-0.2630344058
ENSG00000227080	14.50	10.50	-0.4656635723

ENSG00000227081	1.75	3.75	1.0995356736
ENSG00000227097	1206.00	1091.75	-0.1435873761
ENSG00000227113	0.50	0.50	0.0000000000
ENSG00000227120	3.50	1.00	-1.8073549221
ENSG00000227122	18.25	12.25	-0.5751147148
ENSG00000227123	0.25	0.50	1.0000000000
ENSG00000227124	122.25	125.75	0.0407239349
ENSG00000227129	185.25	129.00	-0.5221024769
ENSG00000227141	0.50	5.00	3.3219280949
ENSG00000227144	1.50	1.25	-0.2630344058
ENSG00000227163	6.50	5.00	-0.3785116233
ENSG00000227176	1.25	0.25	-2.3219280949
ENSG00000227183	1.75	2.50	0.5145731728
ENSG00000227201	0.25	0.25	0.0000000000
ENSG00000227212	23.75	16.75	-0.5037664179
ENSG00000227222	4.50	5.00	0.1520030934
ENSG00000227231	63.50	28.25	-1.1685057244
ENSG00000227232	119.50	77.25	-0.6294037801
ENSG00000227242	10.25	13.50	0.3973354975
ENSG00000227246	0.75	0.50	-0.5849625007
ENSG00000227268	17.00	12.00	-0.5025003405
ENSG00000227277	61.75	49.50	-0.3190106115
ENSG00000227289	1.00	0.75	-0.4150374993
ENSG00000227295	1.25	1.00	-0.3219280949
ENSG00000227296	3.50	5.00	0.5145731728
ENSG00000227304	1.25	1.50	0.2630344058
ENSG00000227311	0.50	0.25	-1.0000000000
ENSG00000227314	10.50	8.50	-0.3048545815
ENSG00000227315	21.00	2.25	-3.2223924213
ENSG00000227317	214.25	171.00	-0.3252988792
ENSG00000227322	414.50	302.25	-0.4556297622
ENSG00000227329	5.50	3.75	-0.5525410230
ENSG00000227333	69.00	32.50	-1.0861566437
ENSG00000227345	536.00	493.75	-0.1184522525
ENSG00000227366	0.25	0.50	1.0000000000
ENSG00000227376	12.00	12.50	0.0588936891
ENSG00000227382	0.75	0.50	-0.5849625007
ENSG00000227401	1.00	0.25	-2.0000000000
ENSG00000227402	606.25	476.25	-0.3481937496
ENSG00000227413	0.50	2.00	2.0000000000
ENSG00000227420	92.00	79.00	-0.2197812079
ENSG00000227440	1.25	0.50	-1.3219280949
ENSG00000227449	72.50	61.00	-0.2491717525

ENSG00000227454	1.50	1.50	0.0000000000
ENSG00000227460	205.25	164.75	-0.3171037568
ENSG00000227471	69.75	47.50	-0.5542657035
ENSG00000227473	24.25	29.00	0.2580681529
ENSG00000227494	1.50	1.00	-0.5849625007
ENSG00000227500	1366.50	1265.50	-0.1107779524
ENSG00000227506	0.25	0.50	1.0000000000
ENSG00000227525	0.50	0.75	0.5849625007
ENSG00000227536	2.00	1.75	-0.1926450779
ENSG00000227565	58.75	46.50	-0.3373581355
ENSG00000227567	7.50	6.25	-0.2630344058
ENSG00000227568	0.25	0.25	0.0000000000
ENSG00000227582	3.25	0.50	-2.7004397181
ENSG00000227586	0.50	0.25	-1.0000000000
ENSG00000227587	9.25	8.25	-0.1650592463
ENSG00000227600	52.25	60.50	0.2115041052
ENSG00000227629	2.25	3.00	0.4150374993
ENSG00000227632	4.50	6.00	0.4150374993
ENSG00000227635	0.25	0.25	0.0000000000
ENSG00000227638	1.75	2.00	0.1926450779
ENSG00000227642	364.75	309.25	-0.2381343829
ENSG00000227644	1.25	1.00	-0.3219280949
ENSG00000227656	18.50	15.75	-0.2321734421
ENSG00000227666	1.50	2.25	0.5849625007
ENSG00000227669	9.75	15.25	0.6453351187
ENSG00000227671	320.50	285.75	-0.1655708584
ENSG00000227672	0.50	0.25	-1.0000000000
ENSG00000227684	3.00	1.75	-0.7776075787
ENSG00000227686	27.00	11.00	-1.2954558835
ENSG00000227689	0.25	0.75	1.5849625007
ENSG00000227692	1.25	0.50	-1.3219280949
ENSG00000227693	1.00	0.25	-2.0000000000
ENSG00000227694	0.50	2.75	2.4594316186
ENSG00000227700	12.25	10.75	-0.1884450894
ENSG00000227715	6148.75	4803.00	-0.3563573414
ENSG00000227720	129.50	126.50	-0.0338147130
ENSG00000227739	1431.75	644.50	-1.1515273398
ENSG00000227746	361.50	197.75	-0.8703179525
ENSG00000227758	2.25	1.50	-0.5849625007
ENSG00000227761	280.75	286.25	0.0279896706
ENSG00000227762	0.25	0.25	0.0000000000
ENSG00000227765	0.25	0.50	1.0000000000
ENSG00000227766	0.50	0.25	-1.0000000000

ENSG00000227770	0.25	0.25	0.0000000000
ENSG00000227772	38.00	21.75	-0.8049840176
ENSG00000227775	237.75	173.50	-0.4545096783
ENSG00000227780	144.25	67.00	-1.1063383182
ENSG00000227788	0.75	0.50	-0.5849625007
ENSG00000227789	0.25	0.25	0.0000000000
ENSG00000227791	0.50	0.50	0.0000000000
ENSG00000227794	10.50	7.75	-0.4381211124
ENSG00000227799	8.00	6.75	-0.2451124978
ENSG00000227801	0.50	0.25	-1.0000000000
ENSG00000227804	161.50	130.75	-0.3047232184
ENSG00000227816	121.00	91.00	-0.4110685971
ENSG00000227825	8.75	3.00	-1.5443205162
ENSG00000227827	61.50	58.50	-0.0721497858
ENSG00000227835	2.50	1.50	-0.7369655942
ENSG00000227855	31.00	29.00	-0.0962153153
ENSG00000227861	1.50	1.25	-0.2630344058
ENSG00000227868	1.25	0.25	-2.3219280949
ENSG00000227877	3.50	1.00	-1.8073549221
ENSG00000227910	1.00	0.25	-2.0000000000
ENSG00000227924	0.25	0.25	0.0000000000
ENSG00000227934	0.75	0.75	0.0000000000
ENSG00000227956	1.00	0.75	-0.4150374993
ENSG00000227962	0.75	0.25	-1.5849625007
ENSG00000227974	1.25	1.50	0.2630344058
ENSG00000227986	3.75	4.25	0.1805722456
ENSG00000227992	32.50	32.50	0.0000000000
ENSG00000227999	1.00	1.75	0.8073549221
ENSG00000228000	0.25	0.25	0.0000000000
ENSG00000228019	1.50	1.00	-0.5849625007
ENSG00000228024	0.25	0.25	0.0000000000
ENSG00000228029	1.25	0.50	-1.3219280949
ENSG00000228038	0.25	0.25	0.0000000000
ENSG00000228049	24.25	16.00	-0.5999128422
ENSG00000228050	1.00	1.50	0.5849625007
ENSG00000228053	0.25	1.00	2.0000000000
ENSG00000228057	1.25	0.25	-2.3219280949
ENSG00000228069	0.50	0.25	-1.0000000000
ENSG00000228071	1.00	1.00	0.0000000000
ENSG00000228090	0.50	0.25	-1.0000000000
ENSG00000228116	16.25	6.00	-1.4374053123
ENSG00000228128	214.25	171.00	-0.3252988792
ENSG00000228144	4.00	5.50	0.4594316186

ENSG00000228146	9.75	6.25 -0.6415460291
ENSG00000228158	6.75	9.75 0.5305147167
ENSG00000228163	3.75	3.50 -0.0995356736
ENSG00000228175	3.75	2.00 -0.9068905956
ENSG00000228177	75.75	101.50 0.4221619337
ENSG00000228186	41.25	30.75 -0.4238077089
ENSG00000228202	2.25	1.50 -0.5849625007
ENSG00000228205	2.00	2.25 0.1699250014
ENSG00000228212	0.50	1.00 1.0000000000
ENSG00000228218	1.00	0.25 -2.0000000000
ENSG00000228220	1.50	0.50 -1.5849625007
ENSG00000228224	4.00	2.00 -1.0000000000
ENSG00000228227	0.25	0.75 1.5849625007
ENSG00000228232	2.00	1.00 -1.0000000000
ENSG00000228238	1.00	1.75 0.8073549221
ENSG00000228252	1.50	0.75 -1.0000000000
ENSG00000228253	7510.00	6977.25 -0.1061543803
ENSG00000228267	64.00	16.25 -1.9776321870
ENSG00000228284	130.25	121.75 -0.0973616002
ENSG00000228289	1.75	0.25 -2.8073549221
ENSG00000228292	0.75	0.25 -1.5849625007
ENSG00000228299	1172.75	1101.00 -0.0910810319
ENSG00000228300	306.25	278.00 -0.1396249612
ENSG00000228307	1.25	1.75 0.4854268272
ENSG00000228319	2.50	1.00 -1.3219280949
ENSG00000228327	591.50	424.75 -0.4777642212
ENSG00000228330	12.00	12.50 0.0588936891
ENSG00000228333	238.75	227.75 -0.0680496791
ENSG00000228335	3.25	1.25 -1.3785116233
ENSG00000228357	12.75	9.75 -0.3870231231
ENSG00000228360	1.00	1.25 0.3219280949
ENSG00000228376	0.50	0.25 -1.0000000000
ENSG00000228380	0.25	0.25 0.0000000000
ENSG00000228383	0.25	0.75 1.5849625007
ENSG00000228405	64.75	52.75 -0.2957090990
ENSG00000228407	0.75	1.25 0.7369655942
ENSG00000228409	34.25	39.00 0.1873701359
ENSG00000228425	133.00	103.75 -0.3583149093
ENSG00000228429	1.50	0.50 -1.5849625007
ENSG00000228431	0.50	0.25 -1.0000000000
ENSG00000228435	67.00	96.00 0.5188733103
ENSG00000228446	2.25	3.75 0.7369655942
ENSG00000228451	104.75	78.75 -0.4115984153

ENSG00000228454	5.75	1.50 -1.9385994553
ENSG00000228474	2767.75	2454.00 -0.1735783869
ENSG00000228491	11.50	4.75 -1.2756344426
ENSG00000228492	118.00	115.50 -0.0308940079
ENSG00000228501	0.50	0.50 0.0000000000
ENSG00000228502	13.00	9.00 -0.5305147167
ENSG00000228507	1.25	0.50 -1.3219280949
ENSG00000228510	4.00	3.50 -0.1926450779
ENSG00000228513	0.25	0.25 0.0000000000
ENSG00000228520	183.50	167.75 -0.1294672966
ENSG00000228524	1.50	0.50 -1.5849625007
ENSG00000228546	2.00	1.50 -0.4150374993
ENSG00000228547	0.50	0.25 -1.0000000000
ENSG00000228570	5.00	2.75 -0.8624964763
ENSG00000228575	173.75	145.25 -0.2584748142
ENSG00000228581	285.00	267.25 -0.0927719713
ENSG00000228582	44.75	49.75 0.1528088433
ENSG00000228589	19.25	23.25 0.2723722704
ENSG00000228594	105.25	127.00 0.2710082637
ENSG00000228599	0.25	0.25 0.0000000000
ENSG00000228601	1.00	2.50 1.3219280949
ENSG00000228605	56.00	33.25 -0.7520724866
ENSG00000228612	0.25	1.50 2.5849625007
ENSG00000228626	2.25	0.75 -1.5849625007
ENSG00000228628	376.50	283.75 -0.4080294725
ENSG00000228638	58.75	51.50 -0.1900164194
ENSG00000228653	3.75	2.00 -0.9068905956
ENSG00000228663	2.50	2.50 0.0000000000
ENSG00000228665	1.25	0.25 -2.3219280949
ENSG00000228672	50.75	58.00 0.1926450779
ENSG00000228674	1.25	0.75 -0.7369655942
ENSG00000228681	9.25	4.25 -1.1219905244
ENSG00000228691	185.25	129.00 -0.5221024769
ENSG00000228695	15.00	6.00 -1.3219280949
ENSG00000228696	10.00	6.00 -0.7369655942
ENSG00000228702	1.25	1.00 -0.3219280949
ENSG00000228706	0.25	0.25 0.0000000000
ENSG00000228712	12.75	9.75 -0.3870231231
ENSG00000228716	292.00	251.50 -0.2154099691
ENSG00000228725	0.25	1.25 2.3219280949
ENSG00000228727	1.75	3.00 0.7776075787
ENSG00000228728	1.75	0.75 -1.2223924213
ENSG00000228736	159.00	153.50 -0.0507881099

ENSG00000228753	0.25	0.50	1.0000000000
ENSG00000228760	324.75	297.00	-0.1288665946
ENSG00000228782	44.00	35.50	-0.3096844991
ENSG00000228808	1.50	1.25	-0.2630344058
ENSG00000228810	4.25	2.50	-0.7655347464
ENSG00000228816	2.25	1.50	-0.5849625007
ENSG00000228818	0.50	1.00	1.0000000000
ENSG00000228820	0.25	0.25	0.0000000000
ENSG00000228828	1.50	0.50	-1.5849625007
ENSG00000228834	0.50	0.50	0.0000000000
ENSG00000228854	23.00	14.25	-0.6906719419
ENSG00000228867	23.00	14.25	-0.6906719419
ENSG00000228868	1.25	0.75	-0.7369655942
ENSG00000228869	4.75	4.75	0.0000000000
ENSG00000228875	219.50	222.25	0.0179624793
ENSG00000228881	129.50	117.25	-0.1433641752
ENSG00000228883	4.00	3.50	-0.1926450779
ENSG00000228887	0.25	0.50	1.0000000000
ENSG00000228892	158.75	170.75	0.1051289866
ENSG00000228896	296.50	264.75	-0.1634014206
ENSG00000228897	1.75	3.75	1.0995356736
ENSG00000228900	2.25	1.50	-0.5849625007
ENSG00000228903	18.75	23.75	0.3410369178
ENSG00000228907	61.75	49.50	-0.3190106115
ENSG00000228914	9.50	6.75	-0.4930400113
ENSG00000228915	1.75	1.75	0.0000000000
ENSG00000228921	1.25	0.25	-2.3219280949
ENSG00000228955	0.75	0.75	0.0000000000
ENSG00000228960	167.00	140.75	-0.2467131804
ENSG00000228964	1131.50	543.00	-1.0592124815
ENSG00000228979	1.00	0.25	-2.0000000000
ENSG00000228981	2.25	1.75	-0.3625700794
ENSG00000228998	4.50	0.75	-2.5849625007
ENSG00000229006	1.00	1.00	0.0000000000
ENSG00000229007	2.50	2.25	-0.1520030934
ENSG00000229018	9.25	9.75	0.0759488532
ENSG00000229020	0.75	0.75	0.0000000000
ENSG00000229022	0.25	0.75	1.5849625007
ENSG00000229029	0.75	2.00	1.4150374993
ENSG00000229031	1.00	1.50	0.5849625007
ENSG00000229036	99.50	55.50	-0.8422087542
ENSG00000229046	0.75	0.50	-0.5849625007
ENSG00000229052	5.50	7.25	0.3985493765

ENSG00000229058	7.25	4.75 -0.6100534817
ENSG00000229061	26.50	16.75 -0.6618312641
ENSG00000229071	22.25	18.00 -0.3058084295
ENSG00000229088	0.50	1.50 1.5849625007
ENSG00000229089	3.50	3.25 -0.1069152039
ENSG00000229091	2.75	2.50 -0.1375035237
ENSG00000229097	11.25	16.75 0.5742360941
ENSG00000229117	22222.25	19317.75 -0.2020778282
ENSG00000229119	3.00	2.00 -0.5849625007
ENSG00000229132	2.00	2.25 0.1699250014
ENSG00000229145	0.25	0.50 1.0000000000
ENSG00000229168	0.75	0.75 0.0000000000
ENSG00000229172	7.00	10.25 0.5501970826
ENSG00000229176	2.25	1.00 -1.1699250014
ENSG00000229183	15.50	4.75 -1.7062687969
ENSG00000229194	1.00	1.00 0.0000000000
ENSG00000229202	41.25	30.75 -0.4238077089
ENSG00000229207	1.50	0.25 -2.5849625007
ENSG00000229212	6.25	3.50 -0.8365012677
ENSG00000229215	449.25	426.50 -0.0749727622
ENSG00000229221	0.25	0.25 0.0000000000
ENSG00000229222	3.00	1.00 -1.5849625007
ENSG00000229251	0.50	0.50 0.0000000000
ENSG00000229252	1232.75	1371.50 0.1538743693
ENSG00000229253	144.25	67.00 -1.1063383182
ENSG00000229259	0.25	0.50 1.0000000000
ENSG00000229273	27.00	12.50 -1.1110313124
ENSG00000229292	0.25	2.25 3.1699250014
ENSG00000229295	4.50	2.25 -1.0000000000
ENSG00000229298	2.00	1.25 -0.6780719051
ENSG00000229300	836.75	706.00 -0.2451284624
ENSG00000229320	45.75	44.00 -0.0562682196
ENSG00000229332	0.25	2.50 3.3219280949
ENSG00000229341	36.00	26.50 -0.4420045469
ENSG00000229344	7.50	7.00 -0.0995356736
ENSG00000229349	7.50	4.00 -0.9068905956
ENSG00000229353	506.25	281.25 -0.8479969066
ENSG00000229357	0.25	0.25 0.0000000000
ENSG00000229358	33.25	31.75 -0.0665977487
ENSG00000229363	140.00	115.00 -0.2837929660
ENSG00000229376	1.50	1.75 0.2223924213
ENSG00000229391	0.50	0.50 0.0000000000
ENSG00000229399	0.25	0.75 1.5849625007

ENSG00000229413	17.75	18.25	0.0400774394
ENSG00000229417	2.50	1.25	-1.0000000000
ENSG00000229419	6.00	7.00	0.2223924213
ENSG00000229422	1.00	0.75	-0.4150374993
ENSG00000229427	0.75	1.25	0.7369655942
ENSG00000229447	5.50	3.50	-0.6520766966
ENSG00000229470	82.00	63.50	-0.3688673178
ENSG00000229474	34.50	13.25	-1.3806040022
ENSG00000229488	19.25	13.75	-0.4854268272
ENSG00000229496	268.00	274.25	0.0332586199
ENSG00000229503	1.50	0.50	-1.5849625007
ENSG00000229519	1.00	0.25	-2.0000000000
ENSG00000229524	423.00	360.50	-0.2306584039
ENSG00000229529	0.75	0.75	0.0000000000
ENSG00000229560	0.75	1.00	0.4150374993
ENSG00000229585	0.50	0.50	0.0000000000
ENSG00000229598	2.50	2.00	-0.3219280949
ENSG00000229601	0.50	0.25	-1.0000000000
ENSG00000229635	0.75	1.25	0.7369655942
ENSG00000229638	10.00	8.25	-0.2775339755
ENSG00000229644	70.25	144.25	1.0380011884
ENSG00000229657	14.00	27.00	0.9475325801
ENSG00000229659	5.00	4.75	-0.0740005814
ENSG00000229670	0.25	0.25	0.0000000000
ENSG00000229676	6.50	5.50	-0.2410080995
ENSG00000229684	2498.75	1099.75	-1.1840309657
ENSG00000229685	4.00	6.00	0.5849625007
ENSG00000229689	133.75	121.75	-0.1356171192
ENSG00000229695	0.25	0.50	1.0000000000
ENSG00000229698	6.75	3.00	-1.1699250014
ENSG00000229715	6.75	7.75	0.1993088082
ENSG00000229758	0.25	0.25	0.0000000000
ENSG00000229759	0.50	0.50	0.0000000000
ENSG00000229767	9.50	3.75	-1.3410369178
ENSG00000229800	1.25	1.00	-0.3219280949
ENSG00000229802	606.25	476.25	-0.3481937496
ENSG00000229806	0.50	1.25	1.3219280949
ENSG00000229808	2.50	0.50	-2.3219280949
ENSG00000229809	182.25	141.00	-0.3702236519
ENSG00000229816	7.50	3.75	-1.0000000000
ENSG00000229817	0.75	0.50	-0.5849625007
ENSG00000229827	1.00	0.50	-1.0000000000
ENSG00000229833	289.50	291.25	0.0086947016

ENSG00000229853	0.75	0.50 -0.5849625007
ENSG00000229859	19.25	6.25 -1.6229303509
ENSG00000229861	92.00	79.00 -0.2197812079
ENSG00000229870	0.75	0.75 0.0000000000
ENSG00000229871	0.25	0.50 1.0000000000
ENSG00000229886	2.00	0.50 -2.0000000000
ENSG00000229887	0.25	0.25 0.0000000000
ENSG00000229914	0.25	0.50 1.0000000000
ENSG00000229920	2.00	3.50 0.8073549221
ENSG00000229924	2.50	2.25 -0.1520030934
ENSG00000229927	7.00	4.75 -0.5594274086
ENSG00000229929	19.50	21.25 0.1239887173
ENSG00000229944	12.75	17.25 0.4360991148
ENSG00000229968	0.75	1.00 0.4150374993
ENSG00000229972	2.00	0.75 -1.4150374993
ENSG00000229988	0.25	0.25 0.0000000000
ENSG00000229992	0.25	0.50 1.0000000000
ENSG00000229994	0.75	0.75 0.0000000000
ENSG00000229998	620.50	531.50 -0.2233615186
ENSG00000230006	12.00	13.50 0.1699250014
ENSG00000230018	13.00	58.75 2.1760772284
ENSG00000230022	0.25	0.25 0.0000000000
ENSG00000230026	2.00	1.75 -0.1926450779
ENSG00000230034	64.50	50.50 -0.3530157727
ENSG00000230037	0.50	0.25 -1.0000000000
ENSG00000230042	4.00	3.00 -0.4150374993
ENSG00000230043	1.25	1.00 -0.3219280949
ENSG00000230048	5.50	3.50 -0.6520766966
ENSG00000230060	0.50	0.25 -1.0000000000
ENSG00000230066	1.50	0.75 -1.0000000000
ENSG00000230069	10.75	3.50 -1.6189098326
ENSG00000230071	2.25	3.50 0.6374299206
ENSG00000230076	6.75	4.50 -0.5849625007
ENSG00000230092	11.00	14.00 0.3479233034
ENSG00000230099	0.25	0.25 0.0000000000
ENSG00000230104	0.25	0.25 0.0000000000
ENSG00000230124	927.00	680.75 -0.4454442616
ENSG00000230128	63.50	28.25 -1.1685057244
ENSG00000230141	1.25	0.75 -0.7369655942
ENSG00000230143	484.00	504.75 0.0605619581
ENSG00000230160	0.75	0.25 -1.5849625007
ENSG00000230162	0.25	0.25 0.0000000000
ENSG00000230175	1.00	0.25 -2.0000000000

ENSG00000230183	5.50	3.50 -0.6520766966
ENSG00000230188	1.00	1.50 0.5849625007
ENSG00000230189	21.50	23.50 0.1283240970
ENSG00000230202	0.50	0.75 0.5849625007
ENSG00000230204	7.50	6.75 -0.1520030934
ENSG00000230207	1.25	1.00 -0.3219280949
ENSG00000230216	1.00	1.25 0.3219280949
ENSG00000230219	2.00	1.25 -0.6780719051
ENSG00000230224	11.00	5.25 -1.0671141959
ENSG00000230238	1.25	0.75 -0.7369655942
ENSG00000230245	0.25	1.50 2.5849625007
ENSG00000230246	0.75	1.00 0.4150374993
ENSG00000230254	1232.75	1371.50 0.1538743693
ENSG00000230267	23.25	20.00 -0.2172307162
ENSG00000230280	7.00	7.25 0.0506260731
ENSG00000230287	0.75	1.25 0.7369655942
ENSG00000230291	0.50	0.50 0.0000000000
ENSG00000230293	10.50	8.50 -0.3048545815
ENSG00000230295	4.50	0.75 -2.5849625007
ENSG00000230305	1.25	0.25 -2.3219280949
ENSG00000230306	1.50	1.25 -0.2630344058
ENSG00000230308	19.50	21.25 0.1239887173
ENSG00000230312	0.50	1.00 1.0000000000
ENSG00000230332	3.50	1.25 -1.4854268272
ENSG00000230341	0.25	4.50 4.1699250014
ENSG00000230358	0.75	0.75 0.0000000000
ENSG00000230359	9.25	8.25 -0.1650592463
ENSG00000230364	0.25	0.50 1.0000000000
ENSG00000230373	351.00	295.75 -0.2470928620
ENSG00000230383	1.50	2.25 0.5849625007
ENSG00000230395	0.50	2.50 2.3219280949
ENSG00000230397	2.00	3.00 0.5849625007
ENSG00000230399	0.50	0.25 -1.0000000000
ENSG00000230409	5.00	4.75 -0.0740005814
ENSG00000230425	0.25	0.50 1.0000000000
ENSG00000230445	40.75	29.00 -0.4907471591
ENSG00000230447	1.25	0.25 -2.3219280949
ENSG00000230453	9.25	7.00 -0.4020984436
ENSG00000230456	211.25	232.75 0.1398298264
ENSG00000230457	0.75	1.00 0.4150374993
ENSG00000230465	3.25	2.00 -0.7004397181
ENSG00000230467	3.50	1.25 -1.4854268272
ENSG00000230474	1.00	2.25 1.1699250014

ENSG00000230475	55.00	39.75	-0.4684767582
ENSG00000230495	0.75	1.00	0.4150374993
ENSG00000230508	0.75	0.25	-1.5849625007
ENSG00000230510	32.75	21.75	-0.5904795057
ENSG00000230514	2.00	2.00	0.0000000000
ENSG00000230521	1.00	0.75	-0.4150374993
ENSG00000230524	0.25	2.25	3.1699250014
ENSG00000230528	1.75	1.25	-0.4854268272
ENSG00000230572	0.50	0.75	0.5849625007
ENSG00000230578	3.75	3.75	0.0000000000
ENSG00000230581	0.25	0.25	0.0000000000
ENSG00000230583	3.50	3.75	0.0995356736
ENSG00000230592	0.75	0.75	0.0000000000
ENSG00000230593	1.50	2.50	0.7369655942
ENSG00000230595	0.25	0.25	0.0000000000
ENSG00000230596	37.75	48.75	0.3689255744
ENSG00000230611	0.50	1.25	1.3219280949
ENSG00000230624	258.25	293.75	0.1858205026
ENSG00000230626	0.50	0.75	0.5849625007
ENSG00000230629	2.00	3.00	0.5849625007
ENSG00000230637	0.25	0.25	0.0000000000
ENSG00000230650	1.50	3.50	1.2223924213
ENSG00000230665	0.50	0.75	0.5849625007
ENSG00000230666	6.00	8.75	0.5443205162
ENSG00000230669	68.50	40.75	-0.7493039287
ENSG00000230673	1.00	0.50	-1.0000000000
ENSG00000230678	88.75	62.25	-0.5116732823
ENSG00000230683	0.75	0.75	0.0000000000
ENSG00000230685	363.00	200.50	-0.8563673115
ENSG00000230700	231.25	236.00	0.0293334940
ENSG00000230701	0.50	1.75	1.8073549221
ENSG00000230705	121.00	91.00	-0.4110685971
ENSG00000230707	0.25	0.50	1.0000000000
ENSG00000230708	7.75	7.75	0.0000000000
ENSG00000230712	2.75	11.75	2.0951572330
ENSG00000230715	44.00	48.50	0.1404812235
ENSG00000230734	0.25	0.25	0.0000000000
ENSG00000230763	1.50	1.25	-0.2630344058
ENSG00000230769	1.00	1.00	0.0000000000
ENSG00000230772	3.25	2.50	-0.3785116233
ENSG00000230783	0.25	0.25	0.0000000000
ENSG00000230793	1.00	1.00	0.0000000000
ENSG00000230795	14.25	8.50	-0.7454271729

ENSG00000230797	56.00	47.75	-0.2299260940
ENSG00000230799	0.75	1.50	1.0000000000
ENSG00000230804	1.75	0.75	-1.2223924213
ENSG00000230807	0.50	0.75	0.5849625007
ENSG00000230841	0.50	0.25	-1.0000000000
ENSG00000230847	1.75	3.25	0.8930847961
ENSG00000230867	1.75	1.75	0.0000000000
ENSG00000230869	17.75	11.00	-0.6903155009
ENSG00000230870	5.25	3.50	-0.5849625007
ENSG00000230872	2.00	2.75	0.4594316186
ENSG00000230873	2.50	2.00	-0.3219280949
ENSG00000230882	7.50	4.75	-0.6589630822
ENSG00000230897	0.50	0.75	0.5849625007
ENSG00000230900	12.50	9.75	-0.3584539709
ENSG00000230907	32.25	27.00	-0.2563397533
ENSG00000230911	0.25	0.25	0.0000000000
ENSG00000230916	0.25	0.75	1.5849625007
ENSG00000230929	1.25	1.75	0.4854268272
ENSG00000230930	8.75	7.75	-0.1750867066
ENSG00000230953	13.50	6.50	-1.0544477840
ENSG00000230961	6.00	2.75	-1.1255308821
ENSG00000230979	2.00	3.00	0.5849625007
ENSG00000230982	32.00	25.50	-0.3275746580
ENSG00000230985	58.75	82.75	0.4941704602
ENSG00000230987	9.75	11.00	0.1740293998
ENSG00000230989	1555.75	1531.75	-0.0224293949
ENSG00000230993	0.25	0.50	1.0000000000
ENSG00000230995	161.50	130.75	-0.3047232184
ENSG00000231003	0.50	0.25	-1.0000000000
ENSG00000231006	2.00	0.75	-1.4150374993
ENSG00000231007	20.25	16.25	-0.3174821899
ENSG00000231043	0.25	0.25	0.0000000000
ENSG00000231044	140.00	115.00	-0.2837929660
ENSG00000231048	1.00	0.25	-2.0000000000
ENSG00000231063	0.75	0.75	0.0000000000
ENSG00000231066	0.50	1.50	1.5849625007
ENSG00000231069	0.25	0.25	0.0000000000
ENSG00000231084	8.25	9.50	0.2035333941
ENSG00000231086	0.75	1.00	0.4150374993
ENSG00000231094	5.25	10.00	0.9296106721
ENSG00000231115	183.50	167.75	-0.1294672966
ENSG00000231116	84.25	58.25	-0.5324186365
ENSG00000231123	0.25	0.50	1.0000000000

ENSG00000231129	135.00	74.50 -0.8576470766
ENSG00000231135	8.25	7.25 -0.1864131242
ENSG00000231167	0.50	0.25 -1.0000000000
ENSG00000231179	22.75	31.00 0.4464016702
ENSG00000231181	1.25	1.50 0.2630344058
ENSG00000231195	0.25	0.25 0.0000000000
ENSG00000231205	59.00	53.25 -0.1479334291
ENSG00000231225	146.25	84.75 -0.7871513513
ENSG00000231232	0.25	0.50 1.0000000000
ENSG00000231234	4.50	2.50 -0.8479969066
ENSG00000231245	25.25	21.50 -0.2319467280
ENSG00000231247	26.75	20.25 -0.4016169835
ENSG00000231256	9.00	7.00 -0.3625700794
ENSG00000231257	33.50	18.00 -0.8961641890
ENSG00000231258	8.75	5.75 -0.6057210609
ENSG00000231259	151.00	136.75 -0.1430077165
ENSG00000231268	2.00	2.00 0.0000000000
ENSG00000231274	0.50	0.75 0.5849625007
ENSG00000231296	1.75	0.75 -1.2223924213
ENSG00000231302	0.50	1.25 1.3219280949
ENSG00000231307	1.00	0.25 -2.0000000000
ENSG00000231321	76.75	69.75 -0.1379735335
ENSG00000231325	4.00	3.50 -0.1926450779
ENSG00000231340	10.00	7.75 -0.3677317845
ENSG00000231345	48.25	28.25 -0.7722780749
ENSG00000231350	0.25	0.50 1.0000000000
ENSG00000231369	2.00	2.50 0.3219280949
ENSG00000231370	746.50	984.50 0.3992489458
ENSG00000231372	73.50	104.75 0.5111340889
ENSG00000231377	128.00	151.00 0.2384047393
ENSG00000231385	0.25	0.25 0.0000000000
ENSG00000231389	4.25	6.00 0.4974996595
ENSG00000231395	1.75	1.00 -0.8073549221
ENSG00000231409	1.25	1.00 -0.3219280949
ENSG00000231414	0.25	0.50 1.0000000000
ENSG00000231434	0.50	1.00 1.0000000000
ENSG00000231443	6.75	4.50 -0.5849625007
ENSG00000231445	9.00	5.25 -0.7776075787
ENSG00000231449	0.25	1.00 2.0000000000
ENSG00000231464	1.00	1.25 0.3219280949
ENSG00000231466	6.25	3.00 -1.0588936891
ENSG00000231468	1.50	0.50 -1.5849625007
ENSG00000231488	63.50	57.00 -0.1557946726

ENSG00000231494	1.25	0.75 -0.7369655942
ENSG00000231500	4454.25	3999.00 -0.1555432522
ENSG00000231502	39.00	28.25 -0.4652232564
ENSG00000231543	66.00	50.25 -0.3933424282
ENSG00000231544	0.75	0.75 0.0000000000
ENSG00000231550	0.25	1.25 2.3219280949
ENSG00000231555	733.00	417.75 -0.8111733701
ENSG00000231558	1.50	0.75 -1.0000000000
ENSG00000231561	2.25	0.50 -2.1699250014
ENSG00000231584	59.25	42.75 -0.4708907340
ENSG00000231588	47.50	24.00 -0.9848931076
ENSG00000231608	559.25	336.00 -0.7350321183
ENSG00000231615	0.25	0.25 0.0000000000
ENSG00000231617	650.00	619.00 -0.0705003087
ENSG00000231618	42.00	41.25 -0.0259952085
ENSG00000231631	77.25	72.75 -0.0865876850
ENSG00000231641	71.00	82.50 0.2165750947
ENSG00000231665	2.00	2.25 0.1699250014
ENSG00000231672	31.75	14.25 -1.1557946726
ENSG00000231737	162.75	130.00 -0.3241459201
ENSG00000231738	10.00	7.75 -0.3677317845
ENSG00000231747	0.75	0.75 0.0000000000
ENSG00000231762	2.25	2.00 -0.1699250014
ENSG00000231767	0.50	1.00 1.0000000000
ENSG00000231784	8.25	8.25 0.0000000000
ENSG00000231787	0.25	0.50 1.0000000000
ENSG00000231793	2.75	7.00 1.3479233034
ENSG00000231799	0.50	0.50 0.0000000000
ENSG00000231804	0.25	0.25 0.0000000000
ENSG00000231812	1.75	1.25 -0.4854268272
ENSG00000231822	1.75	1.50 -0.2223924213
ENSG00000231825	251.75	203.75 -0.3051917189
ENSG00000231827	0.50	0.50 0.0000000000
ENSG00000231834	60.75	52.50 -0.2105669859
ENSG00000231841	0.25	0.25 0.0000000000
ENSG00000231845	1.00	1.00 0.0000000000
ENSG00000231852	1.00	1.00 0.0000000000
ENSG00000231859	1.50	2.75 0.8744691179
ENSG00000231875	0.25	0.25 0.0000000000
ENSG00000231887	3.25	2.00 -0.7004397181
ENSG00000231909	0.50	0.75 0.5849625007
ENSG00000231924	180.50	77.50 -1.2197306216
ENSG00000231925	331.00	333.00 0.0086909603

ENSG00000231941	2.25	2.50	0.1520030934
ENSG00000231942	1.00	0.25	-2.0000000000
ENSG00000231945	569.75	543.25	-0.0687127501
ENSG00000231952	1.50	1.25	-0.2630344058
ENSG00000231967	0.25	0.75	1.5849625007
ENSG00000231974	7.50	6.25	-0.2630344058
ENSG00000231982	3.00	2.00	-0.5849625007
ENSG00000231991	1.00	5.00	2.3219280949
ENSG00000231995	27.00	12.00	-1.1699250014
ENSG00000232000	5.25	2.25	-1.2223924213
ENSG00000232004	0.25	0.25	0.0000000000
ENSG00000232005	834.50	579.25	-0.5267259105
ENSG00000232022	2.75	2.00	-0.4594316186
ENSG00000232024	71.25	45.50	-0.6470234689
ENSG00000232027	0.75	1.25	0.7369655942
ENSG00000232032	0.50	0.50	0.0000000000
ENSG00000232040	8.75	10.00	0.1926450779
ENSG00000232045	156.75	95.00	-0.7224660245
ENSG00000232059	0.75	1.25	0.7369655942
ENSG00000232070	20.25	17.50	-0.2105669859
ENSG00000232075	1.50	0.25	-2.5849625007
ENSG00000232083	0.25	0.25	0.0000000000
ENSG00000232091	0.50	2.00	2.0000000000
ENSG00000232111	3.75	0.75	-2.3219280949
ENSG00000232112	1301.25	1382.50	0.0873813169
ENSG00000232119	389.25	323.25	-0.2680466693
ENSG00000232126	703.00	562.25	-0.3223129333
ENSG00000232133	1.75	8.25	2.2370391973
ENSG00000232134	0.75	0.25	-1.5849625007
ENSG00000232136	3.00	0.75	-2.0000000000
ENSG00000232143	285.00	267.25	-0.0927719713
ENSG00000232144	0.25	0.25	0.0000000000
ENSG00000232149	11.25	7.25	-0.6338721012
ENSG00000232150	0.25	0.50	1.0000000000
ENSG00000232163	1.25	1.00	-0.3219280949
ENSG00000232169	260.50	247.75	-0.0723983151
ENSG00000232177	0.25	0.50	1.0000000000
ENSG00000232186	2.00	2.75	0.4594316186
ENSG00000232187	30.75	25.00	-0.2986583156
ENSG00000232196	1404.25	1304.50	-0.1063028588
ENSG00000232202	2.50	1.50	-0.7369655942
ENSG00000232218	1.00	1.00	0.0000000000
ENSG00000232230	0.50	0.50	0.0000000000

ENSG00000232237	0.75	1.50	1.0000000000
ENSG00000232268	0.50	0.25	-1.0000000000
ENSG00000232273	1.00	1.25	0.3219280949
ENSG00000232280	416.25	480.50	0.2070861588
ENSG00000232303	11.75	6.00	-0.9696263510
ENSG00000232312	49.25	45.75	-0.1063519812
ENSG00000232326	27.25	29.50	0.1144587246
ENSG00000232327	0.50	0.50	0.0000000000
ENSG00000232333	0.25	0.50	1.0000000000
ENSG00000232334	1.75	2.00	0.1926450779
ENSG00000232339	4.25	3.25	-0.3870231231
ENSG00000232341	0.25	0.25	0.0000000000
ENSG00000232344	3.25	5.75	0.8231222379
ENSG00000232346	0.50	0.50	0.0000000000
ENSG00000232357	12.75	9.75	-0.3870231231
ENSG00000232367	117.75	96.75	-0.2833934935
ENSG00000232368	4.00	2.25	-0.8300749986
ENSG00000232385	0.75	0.25	-1.5849625007
ENSG00000232388	278.50	274.00	-0.0235014344
ENSG00000232398	0.75	0.75	0.0000000000
ENSG00000232407	0.50	0.75	0.5849625007
ENSG00000232414	2.50	0.50	-2.3219280949
ENSG00000232421	2498.75	1099.75	-1.1840309657
ENSG00000232434	79.75	77.75	-0.0366418436
ENSG00000232439	4.75	5.25	0.1443899093
ENSG00000232450	8.00	11.25	0.4918530963
ENSG00000232454	0.25	0.25	0.0000000000
ENSG00000232456	0.25	0.25	0.0000000000
ENSG00000232457	0.50	0.50	0.0000000000
ENSG00000232460	29.50	24.75	-0.2532864293
ENSG00000232471	0.50	0.75	0.5849625007
ENSG00000232472	3.00	0.75	-2.0000000000
ENSG00000232479	0.25	0.50	1.0000000000
ENSG00000232492	1.75	1.50	-0.2223924213
ENSG00000232493	0.25	0.25	0.0000000000
ENSG00000232499	0.25	0.25	0.0000000000
ENSG00000232516	0.25	0.25	0.0000000000
ENSG00000232517	15.50	10.50	-0.5618788876
ENSG00000232528	4.00	5.75	0.5235619561
ENSG00000232541	5.00	3.50	-0.5145731728
ENSG00000232546	0.75	1.25	0.7369655942
ENSG00000232559	60.50	57.50	-0.0733731863
ENSG00000232568	2.00	0.75	-1.4150374993

ENSG00000232569	59.75	64.50	0.1103604474
ENSG00000232573	1.00	2.00	1.0000000000
ENSG00000232575	2498.75	1099.75	-1.1840309657
ENSG00000232587	1.00	1.50	0.5849625007
ENSG00000232608	0.50	1.00	1.0000000000
ENSG00000232612	0.25	0.25	0.0000000000
ENSG00000232615	1.75	1.50	-0.2223924213
ENSG00000232616	296.50	264.75	-0.1634014206
ENSG00000232626	0.25	1.00	2.0000000000
ENSG00000232630	15.25	17.00	0.1567255037
ENSG00000232632	26.00	31.50	0.2768402054
ENSG00000232641	0.75	0.50	-0.5849625007
ENSG00000232653	548.50	422.50	-0.3765402792
ENSG00000232687	0.75	0.50	-0.5849625007
ENSG00000232706	1.00	2.25	1.1699250014
ENSG00000232708	22.25	16.75	-0.4096442405
ENSG00000232709	1.00	0.50	-1.0000000000
ENSG00000232713	2.50	2.75	0.1375035237
ENSG00000232717	0.50	0.25	-1.0000000000
ENSG00000232724	0.25	0.50	1.0000000000
ENSG00000232742	1.50	2.25	0.5849625007
ENSG00000232752	1.75	0.75	-1.2223924213
ENSG00000232775	5.75	11.25	0.9682911403
ENSG00000232798	0.50	0.50	0.0000000000
ENSG00000232801	0.25	0.50	1.0000000000
ENSG00000232804	941.00	759.25	-0.3096197196
ENSG00000232815	11.50	7.00	-0.7162070340
ENSG00000232816	1.75	0.75	-1.2223924213
ENSG00000232818	8.50	8.75	0.0418201757
ENSG00000232838	78.75	97.75	0.3118167789
ENSG00000232839	19.50	21.25	0.1239887173
ENSG00000232843	0.75	0.50	-0.5849625007
ENSG00000232848	0.25	0.50	1.0000000000
ENSG00000232852	2.00	1.25	-0.6780719051
ENSG00000232859	208.75	165.50	-0.3349449806
ENSG00000232862	0.25	0.25	0.0000000000
ENSG00000232871	23.75	6.00	-1.9848931076
ENSG00000232872	0.50	0.25	-1.0000000000
ENSG00000232888	6.25	3.50	-0.8365012677
ENSG00000232894	0.50	0.25	-1.0000000000
ENSG00000232901	1.00	0.75	-0.4150374993
ENSG00000232926	6.50	8.50	0.3870231231
ENSG00000232938	75.75	62.25	-0.2831720514

ENSG00000232953	1.50	0.25 -2.5849625007
ENSG00000232957	1.50	0.75 -1.0000000000
ENSG00000232960	223.75	227.00 0.0208046151
ENSG00000233024	707.75	729.25 0.0431736370
ENSG00000233025	2.75	1.75 -0.6520766966
ENSG00000233037	0.75	0.25 -1.5849625007
ENSG00000233049	128.00	151.00 0.2384047393
ENSG00000233051	146.25	84.75 -0.7871513513
ENSG00000233057	2.25	2.50 0.1520030934
ENSG00000233076	214.25	171.00 -0.3252988792
ENSG00000233084	0.50	1.75 1.8073549221
ENSG00000233090	1.25	1.00 -0.3219280949
ENSG00000233115	13.50	17.50 0.3743955148
ENSG00000233121	1.00	0.25 -2.0000000000
ENSG00000233122	11.25	9.75 -0.2064508775
ENSG00000233132	3.25	0.50 -2.7004397181
ENSG00000233133	0.50	0.25 -1.0000000000
ENSG00000233139	3.75	2.50 -0.5849625007
ENSG00000233149	41.25	27.25 -0.5981378895
ENSG00000233155	1.50	1.50 0.0000000000
ENSG00000233157	0.25	0.25 0.0000000000
ENSG00000233164	17.00	14.75 -0.2048197919
ENSG00000233167	0.25	0.75 1.5849625007
ENSG00000233170	5.00	4.75 -0.0740005814
ENSG00000233176	0.25	0.25 0.0000000000
ENSG00000233196	1.75	0.75 -1.2223924213
ENSG00000233198	7.50	8.50 0.1805722456
ENSG00000233210	57.75	51.00 -0.1793236994
ENSG00000233231	10.25	7.25 -0.4995710095
ENSG00000233232	3.75	2.25 -0.7369655942
ENSG00000233239	1.25	0.25 -2.3219280949
ENSG00000233264	0.25	0.25 0.0000000000
ENSG00000233266	4.50	3.00 -0.5849625007
ENSG00000233276	3659.00	4556.00 0.3163183314
ENSG00000233278	0.25	0.25 0.0000000000
ENSG00000233295	2.50	2.75 0.1375035237
ENSG00000233297	16.50	10.75 -0.6181293647
ENSG00000233298	2.25	2.00 -0.1699250014
ENSG00000233312	88.75	38.25 -1.2142873717
ENSG00000233314	129.50	126.50 -0.0338147130
ENSG00000233323	645.00	475.50 -0.4398538195
ENSG00000233324	1.00	0.50 -1.0000000000
ENSG00000233325	10.75	10.00 -0.1043366598

ENSG00000233327	145.75	100.75 -0.5327160447
ENSG00000233337	9.50	9.00 -0.0780025120
ENSG00000233345	24.75	10.00 -1.3074285252
ENSG00000233347	0.50	0.25 -1.0000000000
ENSG00000233348	349.75	302.00 -0.2117755078
ENSG00000233369	6043.50	6456.25 0.0953121378
ENSG00000233370	0.25	0.50 1.0000000000
ENSG00000233380	0.75	0.50 -0.5849625007
ENSG00000233382	16.00	16.75 0.0660891905
ENSG00000233388	3.00	1.75 -0.7776075787
ENSG00000233406	1.25	1.25 0.0000000000
ENSG00000233416	7.75	6.50 -0.2537565922
ENSG00000233418	126.00	143.00 0.1825914133
ENSG00000233426	203.75	165.50 -0.2999688423
ENSG00000233430	1.50	0.25 -2.5849625007
ENSG00000233433	1.50	1.75 0.2223924213
ENSG00000233435	3.25	2.00 -0.7004397181
ENSG00000233436	3.50	2.25 -0.6374299206
ENSG00000233438	2.50	1.75 -0.5145731728
ENSG00000233439	4.75	2.50 -0.9259994186
ENSG00000233448	3.75	4.75 0.3410369178
ENSG00000233450	1.00	1.75 0.8073549221
ENSG00000233471	0.25	0.25 0.0000000000
ENSG00000233476	65.25	49.75 -0.3912813760
ENSG00000233487	1.25	0.50 -1.3219280949
ENSG00000233490	9.25	9.75 0.0759488532
ENSG00000233493	1.50	1.75 0.2223924213
ENSG00000233494	3.25	3.00 -0.1154772174
ENSG00000233523	1.50	2.50 0.7369655942
ENSG00000233524	0.75	0.75 0.0000000000
ENSG00000233555	0.25	0.50 1.0000000000
ENSG00000233558	5.75	1.75 -1.7162070340
ENSG00000233560	1.75	1.25 -0.4854268272
ENSG00000233561	126.00	143.00 0.1825914133
ENSG00000233564	33.25	22.25 -0.5795490045
ENSG00000233578	0.25	0.75 1.5849625007
ENSG00000233586	14.00	15.75 0.1699250014
ENSG00000233588	0.50	1.00 1.0000000000
ENSG00000233597	4.25	2.50 -0.7655347464
ENSG00000233608	3779.25	5747.25 0.6047718494
ENSG00000233609	0.50	1.25 1.3219280949
ENSG00000233614	2.50	3.75 0.5849625007
ENSG00000233622	23.25	22.75 -0.0313641709

ENSG00000233626	0.75	0.25	-1.5849625007
ENSG00000233641	17.25	16.00	-0.1085244568
ENSG00000233646	0.25	0.25	0.0000000000
ENSG00000233653	0.50	1.25	1.3219280949
ENSG00000233668	0.25	0.25	0.0000000000
ENSG00000233670	0.25	0.25	0.0000000000
ENSG00000233671	3.25	3.00	-0.1154772174
ENSG00000233673	1.50	0.25	-2.5849625007
ENSG00000233690	2.00	4.50	1.1699250014
ENSG00000233701	1.75	1.75	0.0000000000
ENSG00000233707	0.25	0.25	0.0000000000
ENSG00000233734	7.75	15.00	0.9526942852
ENSG00000233747	1.25	2.25	0.8479969066
ENSG00000233750	74.50	66.50	-0.1638860850
ENSG00000233757	15.25	11.25	-0.4388842412
ENSG00000233762	1.75	1.50	-0.2223924213
ENSG00000233765	2.00	1.25	-0.6780719051
ENSG00000233782	1.25	1.25	0.0000000000
ENSG00000233786	0.25	0.75	1.5849625007
ENSG00000233795	20.00	15.75	-0.3446481714
ENSG00000233801	140.00	115.00	-0.2837929660
ENSG00000233813	92.00	79.00	-0.2197812079
ENSG00000233816	0.50	0.75	0.5849625007
ENSG00000233820	1.25	1.50	0.2630344058
ENSG00000233822	24.50	23.25	-0.0755510330
ENSG00000233831	3.75	5.50	0.5525410230
ENSG00000233836	4.00	3.75	-0.0931094044
ENSG00000233838	0.50	0.50	0.0000000000
ENSG00000233841	2.00	1.75	-0.1926450779
ENSG00000233859	0.50	0.75	0.5849625007
ENSG00000233890	40.75	24.00	-0.7637656535
ENSG00000233902	2.50	1.00	-1.3219280949
ENSG00000233904	1232.75	1371.50	0.1538743693
ENSG00000233913	242.00	148.75	-0.7021173791
ENSG00000233927	3574.75	3192.75	-0.1630427598
ENSG00000233948	52.75	53.50	0.0203677977
ENSG00000233954	12.25	11.00	-0.1552782255
ENSG00000233966	4.50	3.25	-0.4694852833
ENSG00000233974	0.75	2.25	1.5849625007
ENSG00000233984	3.00	2.75	-0.1255308821
ENSG00000233996	0.50	0.25	-1.0000000000
ENSG00000234000	0.25	4.50	4.1699250014
ENSG00000234008	0.25	1.00	2.0000000000

ENSG00000234012	8.00	7.25 -0.1420190049
ENSG00000234017	0.75	0.75 0.0000000000
ENSG00000234032	69.50	81.50 0.2297870815
ENSG00000234036	2.50	2.75 0.1375035237
ENSG00000234042	21.75	20.00 -0.1210154010
ENSG00000234043	2.50	1.50 -0.7369655942
ENSG00000234046	25.25	32.25 0.3530157727
ENSG00000234058	129.50	126.50 -0.0338147130
ENSG00000234062	37.25	23.50 -0.6645796688
ENSG00000234065	0.75	0.25 -1.5849625007
ENSG00000234067	0.25	0.25 0.0000000000
ENSG00000234074	1.50	0.50 -1.5849625007
ENSG00000234078	173.25	189.75 0.1312445333
ENSG00000234106	2.00	1.50 -0.4150374993
ENSG00000234114	16.00	11.75 -0.4454111483
ENSG00000234118	1.00	0.25 -2.0000000000
ENSG00000234127	358.00	309.75 -0.2088553051
ENSG00000234130	6.50	8.75 0.4288432988
ENSG00000234137	0.25	0.50 1.0000000000
ENSG00000234145	0.25	0.50 1.0000000000
ENSG00000234175	7.75	9.50 0.2937312031
ENSG00000234189	0.25	0.25 0.0000000000
ENSG00000234196	52.25	16.25 -1.6849913191
ENSG00000234219	0.50	1.50 1.5849625007
ENSG00000234227	1.25	1.25 0.0000000000
ENSG00000234231	108.75	176.75 0.7006948141
ENSG00000234243	17.50	16.50 -0.0848888976
ENSG00000234258	7.25	1.75 -2.0506260731
ENSG00000234268	2.00	0.75 -1.4150374993
ENSG00000234271	0.25	0.75 1.5849625007
ENSG00000234272	0.50	0.75 0.5849625007
ENSG00000234284	71.00	60.00 -0.2428565239
ENSG00000234287	1.00	2.00 1.0000000000
ENSG00000234289	36.25	31.25 -0.2141248054
ENSG00000234319	0.75	1.25 0.7369655942
ENSG00000234322	1.00	0.50 -1.0000000000
ENSG00000234324	0.25	0.25 0.0000000000
ENSG00000234329	5.50	6.00 0.1255308821
ENSG00000234338	12.25	9.25 -0.4052564785
ENSG00000234340	1.00	2.00 1.0000000000
ENSG00000234343	191.50	132.00 -0.5368064626
ENSG00000234345	2.50	2.00 -0.3219280949
ENSG00000234353	45.00	31.00 -0.5376567859

ENSG00000234354	1.00	0.50 -1.0000000000
ENSG00000234367	3.00	3.75 0.3219280949
ENSG00000234370	31.75	28.75 -0.1431946358
ENSG00000234371	0.75	0.75 0.0000000000
ENSG00000234373	1.00	0.50 -1.0000000000
ENSG00000234381	0.25	0.25 0.0000000000
ENSG00000234382	3.75	1.50 -1.3219280949
ENSG00000234383	6.00	5.50 -0.1255308821
ENSG00000234386	6.75	3.50 -0.9475325801
ENSG00000234409	6.25	11.75 0.9107326619
ENSG00000234420	858.75	680.25 -0.3361731425
ENSG00000234433	5.50	3.50 -0.6520766966
ENSG00000234444	204.00	164.00 -0.3148733374
ENSG00000234450	0.50	0.75 0.5849625007
ENSG00000234465	79.25	74.75 -0.0843373559
ENSG00000234466	1.25	0.50 -1.3219280949
ENSG00000234473	1.50	2.00 0.4150374993
ENSG00000234475	18.25	56.75 1.6367239284
ENSG00000234487	3.50	5.75 0.7162070340
ENSG00000234493	0.50	0.25 -1.0000000000
ENSG00000234495	299.50	265.25 -0.1752032519
ENSG00000234498	4.00	3.50 -0.1926450779
ENSG00000234500	10.50	5.50 -0.9328858041
ENSG00000234507	108.75	52.25 -1.0575124587
ENSG00000234508	17.50	16.50 -0.0848888976
ENSG00000234513	0.25	0.25 0.0000000000
ENSG00000234514	3.75	3.00 -0.3219280949
ENSG00000234518	11.00	7.50 -0.5525410230
ENSG00000234523	0.25	0.25 0.0000000000
ENSG00000234530	58.75	46.50 -0.3373581355
ENSG00000234537	18.50	9.25 -1.0000000000
ENSG00000234539	424.25	364.00 -0.2209762093
ENSG00000234545	509.50	410.00 -0.3134582367
ENSG00000234549	26.50	16.75 -0.6618312641
ENSG00000234575	0.25	0.25 0.0000000000
ENSG00000234585	83.00	78.50 -0.0804186825
ENSG00000234589	1.00	2.25 1.1699250014
ENSG00000234604	1.25	2.00 0.6780719051
ENSG00000234605	0.75	0.50 -0.5849625007
ENSG00000234616	555.50	495.50 -0.1649018542
ENSG00000234618	5.00	6.25 0.3219280949
ENSG00000234645	0.25	0.25 0.0000000000
ENSG00000234648	189.75	169.75 -0.1606883112

ENSG00000234651	1098.00	1028.75	-0.0939856237
ENSG00000234664	14.75	7.50	-0.9757524538
ENSG00000234667	0.75	0.25	-1.5849625007
ENSG00000234668	12.50	9.75	-0.3584539709
ENSG00000234674	23.50	13.25	-0.8266683971
ENSG00000234704	1002.50	785.50	-0.3519190560
ENSG00000234709	5.50	5.00	-0.1375035237
ENSG00000234719	75.00	70.50	-0.0892673381
ENSG00000234724	0.25	0.25	0.0000000000
ENSG00000234728	846.75	745.00	-0.1846956561
ENSG00000234729	4.50	3.50	-0.3625700794
ENSG00000234742	4.75	2.00	-1.2479275134
ENSG00000234745	455.00	337.50	-0.4309790431
ENSG00000234750	1.50	1.75	0.2223924213
ENSG00000234751	0.75	0.25	-1.5849625007
ENSG00000234769	26.00	25.50	-0.0280143762
ENSG00000234776	3.75	4.50	0.2630344058
ENSG00000234782	1.25	0.75	-0.7369655942
ENSG00000234785	1.00	0.25	-2.0000000000
ENSG00000234795	1.25	1.25	0.0000000000
ENSG00000234797	9.25	7.25	-0.3514723705
ENSG00000234798	40.50	33.50	-0.2737608124
ENSG00000234801	0.25	0.25	0.0000000000
ENSG00000234809	23.00	14.25	-0.6906719419
ENSG00000234814	90.00	63.75	-0.4974996595
ENSG00000234825	0.75	0.75	0.0000000000
ENSG00000234841	0.50	0.25	-1.0000000000
ENSG00000234842	0.25	1.00	2.0000000000
ENSG00000234846	8.25	4.25	-0.9569312781
ENSG00000234851	3627.00	2719.50	-0.4154353195
ENSG00000234852	36.75	21.50	-0.7734075901
ENSG00000234857	2071.50	1986.25	-0.0606286007
ENSG00000234865	1.00	0.50	-1.0000000000
ENSG00000234876	2.50	2.00	-0.3219280949
ENSG00000234882	20.75	14.75	-0.4923963820
ENSG00000234889	2.25	2.00	-0.1699250014
ENSG00000234906	1.50	4.00	1.4150374993
ENSG00000234911	4.25	3.00	-0.5025003405
ENSG00000234920	11.50	11.25	-0.0317088597
ENSG00000234925	1.00	0.75	-0.4150374993
ENSG00000234927	2.50	1.75	-0.5145731728
ENSG00000234947	39.75	28.75	-0.4673929043
ENSG00000234951	1.50	1.25	-0.2630344058

ENSG00000234964	8.00	7.50 -0.0931094044
ENSG00000234969	9.50	9.00 -0.0780025120
ENSG00000234975	10.25	10.50 0.0347654182
ENSG00000234982	0.25	0.50 1.0000000000
ENSG00000234983	1.00	0.50 -1.0000000000
ENSG00000234996	8.00	5.50 -0.5405683814
ENSG00000235001	0.75	0.25 -1.5849625007
ENSG00000235017	65.00	49.50 -0.3930111929
ENSG00000235022	1.00	6.25 2.6438561898
ENSG00000235030	63.50	28.25 -1.1685057244
ENSG00000235034	1.75	1.25 -0.4854268272
ENSG00000235036	1.25	1.25 0.0000000000
ENSG00000235044	0.50	0.50 0.0000000000
ENSG00000235045	0.75	0.25 -1.5849625007
ENSG00000235065	2.75	6.00 1.1255308821
ENSG00000235067	2498.75	1099.75 -1.1840309657
ENSG00000235076	0.25	0.25 0.0000000000
ENSG00000235084	1.00	0.25 -2.0000000000
ENSG00000235090	0.25	0.25 0.0000000000
ENSG00000235098	29.50	32.00 0.1173569506
ENSG00000235105	6.25	19.25 1.6229303509
ENSG00000235107	52.75	2.50 -4.3991710938
ENSG00000235109	139.00	32.00 -2.1189410727
ENSG00000235125	45.25	29.00 -0.6418648920
ENSG00000235128	2.75	2.50 -0.1375035237
ENSG00000235134	0.50	0.25 -1.0000000000
ENSG00000235155	33.75	39.75 0.2360673582
ENSG00000235162	2345.25	1916.25 -0.2914559281
ENSG00000235169	24.25	12.00 -1.0149503415
ENSG00000235173	267.00	249.75 -0.0963550639
ENSG00000235176	23.00	18.25 -0.3337373972
ENSG00000235178	3.00	3.00 0.0000000000
ENSG00000235193	5.00	3.75 -0.4150374993
ENSG00000235194	177.00	126.75 -0.4817636131
ENSG00000235205	2.00	0.25 -3.0000000000
ENSG00000235213	0.25	1.00 2.0000000000
ENSG00000235217	173.25	106.25 -0.7053925111
ENSG00000235220	8.50	5.75 -0.5639008852
ENSG00000235222	4.00	1.75 -1.1926450779
ENSG00000235225	0.75	0.75 0.0000000000
ENSG00000235233	272.75	158.75 -0.7808226047
ENSG00000235241	40.25	51.25 0.3485632214
ENSG00000235253	0.25	0.25 0.0000000000

ENSG00000235258	0.50	0.25 -1.0000000000
ENSG00000235272	58.25	50.50 -0.2059746619
ENSG00000235286	1.50	1.25 -0.2630344058
ENSG00000235291	162.75	130.00 -0.3241459201
ENSG00000235297	1.75	0.25 -2.8073549221
ENSG00000235307	110.00	51.00 -1.1089343716
ENSG00000235308	1.25	1.50 0.2630344058
ENSG00000235309	0.75	2.00 1.4150374993
ENSG00000235316	40.25	31.25 -0.3651325935
ENSG00000235317	0.25	0.25 0.0000000000
ENSG00000235328	1.00	1.50 0.5849625007
ENSG00000235330	0.50	0.75 0.5849625007
ENSG00000235350	1.25	0.50 -1.3219280949
ENSG00000235354	3.00	1.50 -1.0000000000
ENSG00000235360	130.00	74.25 -0.8080486922
ENSG00000235363	0.25	0.25 0.0000000000
ENSG00000235369	1.00	0.75 -0.4150374993
ENSG00000235370	74.75	39.00 -0.9385994553
ENSG00000235374	51.00	59.25 0.2163179069
ENSG00000235377	0.25	0.75 1.5849625007
ENSG00000235390	2.50	1.00 -1.3219280949
ENSG00000235396	2.25	3.25 0.5305147167
ENSG00000235400	0.50	0.25 -1.0000000000
ENSG00000235413	0.75	1.25 0.7369655942
ENSG00000235420	0.25	0.25 0.0000000000
ENSG00000235436	7.75	6.50 -0.2537565922
ENSG00000235438	2.50	1.25 -1.0000000000
ENSG00000235439	219.25	184.75 -0.2470024783
ENSG00000235443	22.25	18.25 -0.2859088721
ENSG00000235444	0.50	0.25 -1.0000000000
ENSG00000235449	0.50	0.50 0.0000000000
ENSG00000235454	0.50	0.75 0.5849625007
ENSG00000235458	2.25	1.50 -0.5849625007
ENSG00000235459	0.25	0.50 1.0000000000
ENSG00000235482	2.00	1.50 -0.4150374993
ENSG00000235487	6.00	5.75 -0.0614005447
ENSG00000235500	0.50	1.00 1.0000000000
ENSG00000235505	37.00	24.75 -0.5800967455
ENSG00000235508	2.75	3.00 0.1255308821
ENSG00000235548	2.50	0.75 -1.7369655942
ENSG00000235552	115.25	98.50 -0.2265711210
ENSG00000235568	7.25	6.50 -0.1575412770
ENSG00000235569	8.75	14.50 0.7286979782

ENSG00000235579	0.25	1.25	2.3219280949
ENSG00000235587	0.25	0.75	1.5849625007
ENSG00000235589	3.00	3.00	0.0000000000
ENSG00000235602	2.75	1.50	-0.8744691179
ENSG00000235613	0.75	0.25	-1.5849625007
ENSG00000235618	28.25	26.25	-0.1059334447
ENSG00000235649	63.00	28.75	-1.1317898726
ENSG00000235650	4454.25	3999.00	-0.1555432522
ENSG00000235655	422.75	325.00	-0.3793650365
ENSG00000235657	249.00	117.75	-1.0804186825
ENSG00000235658	33.50	18.00	-0.8961641890
ENSG00000235674	0.75	2.50	1.7369655942
ENSG00000235676	63.50	57.00	-0.1557946726
ENSG00000235677	4.25	4.50	0.0824621602
ENSG00000235680	0.25	0.25	0.0000000000
ENSG00000235681	6.50	3.75	-0.7935491225
ENSG00000235683	14.25	18.50	0.3765633515
ENSG00000235692	47.25	49.25	0.0598093952
ENSG00000235696	67.25	60.25	-0.1585730263
ENSG00000235698	0.25	0.25	0.0000000000
ENSG00000235700	1.00	1.50	0.5849625007
ENSG00000235701	1.00	0.50	-1.0000000000
ENSG00000235708	1.75	0.25	-2.8073549221
ENSG00000235712	6.50	6.00	-0.1154772174
ENSG00000235715	27.00	104.75	1.9559189315
ENSG00000235721	0.75	0.25	-1.5849625007
ENSG00000235744	1.50	0.75	-1.0000000000
ENSG00000235750	49.25	125.00	1.3437324652
ENSG00000235754	6.25	3.75	-0.7369655942
ENSG00000235758	78.75	105.75	0.4253058347
ENSG00000235763	0.25	0.25	0.0000000000
ENSG00000235773	23.00	14.25	-0.6906719419
ENSG00000235776	2.25	1.75	-0.3625700794
ENSG00000235812	1.00	0.50	-1.0000000000
ENSG00000235821	2.25	2.00	-0.1699250014
ENSG00000235833	0.75	0.75	0.0000000000
ENSG00000235838	3.25	1.75	-0.8930847961
ENSG00000235844	5.50	4.75	-0.2115041052
ENSG00000235847	0.50	1.25	1.3219280949
ENSG00000235859	28.75	24.50	-0.2307802068
ENSG00000235863	47.25	43.75	-0.1110313124
ENSG00000235893	12.25	7.25	-0.7567288490
ENSG00000235907	0.75	0.50	-0.5849625007

ENSG00000235912	0.25	0.25	0.0000000000
ENSG00000235915	1.00	0.25	-2.0000000000
ENSG00000235917	0.50	0.25	-1.0000000000
ENSG00000235932	0.25	0.25	0.0000000000
ENSG00000235941	1306.75	1068.50	-0.2903962513
ENSG00000235944	45.00	31.00	-0.5376567859
ENSG00000235946	15.75	6.00	-1.3923174228
ENSG00000235952	302.00	238.25	-0.3420723354
ENSG00000235955	0.25	0.25	0.0000000000
ENSG00000235956	23.50	15.50	-0.6003925413
ENSG00000235959	3.50	1.00	-1.8073549221
ENSG00000235961	75.50	46.50	-0.6992459282
ENSG00000235974	1.25	0.25	-2.3219280949
ENSG00000235986	53.25	36.25	-0.5548005302
ENSG00000236011	18.50	27.00	0.5454341365
ENSG00000236014	132.25	140.00	0.0821591048
ENSG00000236015	12.75	9.75	-0.3870231231
ENSG00000236018	0.50	0.25	-1.0000000000
ENSG00000236033	1.25	2.00	0.6780719051
ENSG00000236035	0.50	0.25	-1.0000000000
ENSG00000236047	2.75	0.50	-2.4594316186
ENSG00000236058	2.25	2.25	0.0000000000
ENSG00000236060	0.25	1.25	2.3219280949
ENSG00000236063	63.50	57.00	-0.1557946726
ENSG00000236083	18.50	17.50	-0.0801703487
ENSG00000236085	0.25	0.25	0.0000000000
ENSG00000236086	0.75	0.50	-0.5849625007
ENSG00000236090	0.25	0.75	1.5849625007
ENSG00000236104	131.25	59.00	-1.1535305632
ENSG00000236114	3.50	3.50	0.0000000000
ENSG00000236123	2.00	0.75	-1.4150374993
ENSG00000236136	1.50	4.00	1.4150374993
ENSG00000236138	8.75	8.25	-0.0848888976
ENSG00000236149	260.50	247.75	-0.0723983151
ENSG00000236155	5.00	4.00	-0.3219280949
ENSG00000236177	6.50	8.00	0.2995602819
ENSG00000236178	7.50	4.75	-0.6589630822
ENSG00000236180	0.50	0.25	-1.0000000000
ENSG00000236184	5.25	3.25	-0.6918777046
ENSG00000236196	58.75	46.50	-0.3373581355
ENSG00000236221	1.25	0.50	-1.3219280949
ENSG00000236222	278.25	238.75	-0.2208809544
ENSG00000236227	51.75	33.00	-0.6490928381

ENSG00000236236	848.75	622.25 -0.4478453442
ENSG00000236250	54.25	46.25 -0.2301697719
ENSG00000236251	26.75	27.50 0.0398927271
ENSG00000236252	2.00	1.75 -0.1926450779
ENSG00000236259	0.50	0.50 0.0000000000
ENSG00000236264	1.50	0.75 -1.0000000000
ENSG00000236271	120.25	123.00 0.0326214216
ENSG00000236285	0.25	1.00 2.0000000000
ENSG00000236287	1053.00	817.25 -0.3656560593
ENSG00000236296	15.25	17.00 0.1567255037
ENSG00000236297	5.00	2.25 -1.1520030934
ENSG00000236317	0.25	0.50 1.0000000000
ENSG00000236319	1.00	0.25 -2.0000000000
ENSG00000236320	0.25	0.25 0.0000000000
ENSG00000236330	0.75	0.25 -1.5849625007
ENSG00000236334	11.50	6.50 -0.8231222379
ENSG00000236342	135.00	74.50 -0.8576470766
ENSG00000236346	58.75	46.50 -0.3373581355
ENSG00000236349	0.25	0.25 0.0000000000
ENSG00000236353	27.25	15.25 -0.8374469872
ENSG00000236360	0.50	0.50 0.0000000000
ENSG00000236397	43.50	44.25 0.0246620542
ENSG00000236409	1.00	0.75 -0.4150374993
ENSG00000236411	4.50	3.50 -0.3625700794
ENSG00000236418	145.25	119.25 -0.2845488974
ENSG00000236428	40.75	31.50 -0.3714482307
ENSG00000236431	10.75	8.00 -0.4262647547
ENSG00000236438	191.75	91.25 -1.0713301137
ENSG00000236439	6.25	3.50 -0.8365012677
ENSG00000236443	68.50	40.75 -0.7493039287
ENSG00000236468	0.75	0.50 -0.5849625007
ENSG00000236478	1.00	0.75 -0.4150374993
ENSG00000236484	0.25	0.25 0.0000000000
ENSG00000236489	1.50	0.75 -1.0000000000
ENSG00000236490	400.00	365.00 -0.1321035360
ENSG00000236493	3.75	4.00 0.0931094044
ENSG00000236496	1.00	1.75 0.8073549221
ENSG00000236509	0.50	0.25 -1.0000000000
ENSG00000236512	0.25	1.25 2.3219280949
ENSG00000236515	134.00	111.50 -0.2651892905
ENSG00000236516	1.50	1.25 -0.2630344058
ENSG00000236523	4.25	4.25 0.0000000000
ENSG00000236529	1.25	1.75 0.4854268272

ENSG00000236533	0.25	0.50	1.0000000000
ENSG00000236539	68.25	62.25	-0.1327552089
ENSG00000236552	25.25	21.25	-0.2488205466
ENSG00000236554	0.25	0.25	0.0000000000
ENSG00000236560	189.75	94.50	-1.0057136512
ENSG00000236562	0.25	0.25	0.0000000000
ENSG00000236564	6.25	6.25	0.0000000000
ENSG00000236565	0.25	0.25	0.0000000000
ENSG00000236567	0.25	0.25	0.0000000000
ENSG00000236576	0.25	0.75	1.5849625007
ENSG00000236577	1.25	1.00	-0.3219280949
ENSG00000236609	213.25	146.25	-0.5441091168
ENSG00000236616	0.75	0.50	-0.5849625007
ENSG00000236619	2.25	1.50	-0.5849625007
ENSG00000236625	29.00	13.00	-1.1575412770
ENSG00000236632	1611.75	1839.50	0.1906856928
ENSG00000236649	45.00	46.75	0.0550413636
ENSG00000236670	4.75	4.50	-0.0780025120
ENSG00000236675	7.00	7.25	0.0506260731
ENSG00000236680	0.75	0.50	-0.5849625007
ENSG00000236683	5.50	1.75	-1.6520766966
ENSG00000236693	1.50	1.25	-0.2630344058
ENSG00000236697	17.50	16.50	-0.0848888976
ENSG00000236698	36.50	45.25	0.3100213282
ENSG00000236699	5.75	2.75	-1.0641303374
ENSG00000236710	1.75	4.00	1.1926450779
ENSG00000236722	0.50	0.75	0.5849625007
ENSG00000236732	0.25	0.75	1.5849625007
ENSG00000236735	1.25	0.50	-1.3219280949
ENSG00000236741	0.75	0.25	-1.5849625007
ENSG00000236759	64.00	29.75	-1.1051822367
ENSG00000236762	0.25	0.25	0.0000000000
ENSG00000236765	19.50	34.00	0.8020606224
ENSG00000236768	0.25	0.25	0.0000000000
ENSG00000236776	1.50	1.00	-0.5849625007
ENSG00000236782	4.00	7.25	0.8579809951
ENSG00000236797	1.75	1.25	-0.4854268272
ENSG00000236798	0.25	0.75	1.5849625007
ENSG00000236801	1.50	6.25	2.0588936891
ENSG00000236802	33.75	39.75	0.2360673582
ENSG00000236808	23.25	18.25	-0.3493342522
ENSG00000236809	2.25	1.50	-0.5849625007
ENSG00000236811	1.00	0.25	-2.0000000000

ENSG00000236826	31.00	28.50 -0.1213062962
ENSG00000236829	16.00	13.25 -0.2720795454
ENSG00000236843	23.00	14.25 -0.6906719419
ENSG00000236844	0.25	0.25 0.0000000000
ENSG00000236847	1.75	2.50 0.5145731728
ENSG00000236853	1.00	0.25 -2.0000000000
ENSG00000236857	1.00	0.25 -2.0000000000
ENSG00000236867	0.25	0.50 1.0000000000
ENSG00000236873	158.75	170.75 0.1051289866
ENSG00000236875	1.25	0.75 -0.7369655942
ENSG00000236876	0.75	1.00 0.4150374993
ENSG00000236890	0.50	0.25 -1.0000000000
ENSG00000236895	35.75	22.75 -0.6520766966
ENSG00000236902	0.25	0.25 0.0000000000
ENSG00000236905	0.50	0.25 -1.0000000000
ENSG00000236937	0.25	0.50 1.0000000000
ENSG00000236942	0.25	0.25 0.0000000000
ENSG00000236949	22.25	18.25 -0.2859088721
ENSG00000236967	1.00	6.25 2.6438561898
ENSG00000236976	0.25	0.25 0.0000000000
ENSG00000236988	2.50	1.50 -0.7369655942
ENSG00000236992	0.75	0.75 0.0000000000
ENSG00000236993	1.00	0.50 -1.0000000000
ENSG00000237004	1.50	2.00 0.4150374993
ENSG00000237007	0.25	0.25 0.0000000000
ENSG00000237012	17.25	16.00 -0.1085244568
ENSG00000237022	2569.50	2244.00 -0.1954149762
ENSG00000237023	1.00	0.25 -2.0000000000
ENSG00000237025	0.25	0.25 0.0000000000
ENSG00000237039	1.50	0.25 -2.5849625007
ENSG00000237051	7.50	8.75 0.2223924213
ENSG00000237052	17.50	16.50 -0.0848888976
ENSG00000237056	25.50	43.50 0.7705181539
ENSG00000237071	7.25	2.50 -1.5360529002
ENSG00000237095	173.00	146.50 -0.2398713732
ENSG00000237100	17.25	16.00 -0.1085244568
ENSG00000237112	25.00	30.00 0.2630344058
ENSG00000237114	0.50	0.75 0.5849625007
ENSG00000237118	14.00	11.25 -0.3155018257
ENSG00000237135	5.75	6.25 0.1202942337
ENSG00000237154	1.50	0.75 -1.0000000000
ENSG00000237155	63.50	28.25 -1.1685057244
ENSG00000237161	2.00	0.25 -3.0000000000

ENSG00000237162	0.50	0.25 -1.0000000000
ENSG00000237169	1.25	0.50 -1.3219280949
ENSG00000237172	1112.25	734.75 -0.5981557395
ENSG00000237176	1.00	0.25 -2.0000000000
ENSG00000237190	207.25	248.00 0.2589680189
ENSG00000237206	0.50	0.25 -1.0000000000
ENSG00000237214	1.00	0.50 -1.0000000000
ENSG00000237223	2.75	2.75 0.0000000000
ENSG00000237238	29.25	23.00 -0.3468027635
ENSG00000237260	0.25	0.50 1.0000000000
ENSG00000237264	11.75	9.50 -0.3066613382
ENSG00000237273	0.50	1.00 1.0000000000
ENSG00000237276	9.50	15.75 0.7293524101
ENSG00000237296	161.75	161.75 0.0000000000
ENSG00000237306	0.25	0.25 0.0000000000
ENSG00000237307	0.25	0.50 1.0000000000
ENSG00000237322	1.25	0.50 -1.3219280949
ENSG00000237330	1.50	0.50 -1.5849625007
ENSG00000237333	28.75	8.75 -1.7162070340
ENSG00000237335	51.50	51.25 -0.0070204277
ENSG00000237344	73.50	50.25 -0.5486206537
ENSG00000237351	0.50	0.25 -1.0000000000
ENSG00000237353	2.50	4.25 0.7655347464
ENSG00000237403	129.50	126.50 -0.0338147130
ENSG00000237405	7.25	4.75 -0.6100534817
ENSG00000237418	3.00	1.25 -1.2630344058
ENSG00000237426	3.25	1.25 -1.3785116233
ENSG00000237437	1.75	1.75 0.0000000000
ENSG00000237440	90.25	67.25 -0.4243926643
ENSG00000237441	148.00	141.25 -0.0673463083
ENSG00000237448	2.75	2.50 -0.1375035237
ENSG00000237459	0.50	0.25 -1.0000000000
ENSG00000237462	17.50	16.00 -0.1292830169
ENSG00000237493	0.50	0.50 0.0000000000
ENSG00000237495	4.00	3.50 -0.1926450779
ENSG00000237506	0.25	2.75 3.4594316186
ENSG00000237508	8.50	5.75 -0.5639008852
ENSG00000237510	1.00	2.00 1.0000000000
ENSG00000237515	87.75	74.00 -0.2458738547
ENSG00000237522	10.00	7.25 -0.4639470998
ENSG00000237540	0.75	0.50 -0.5849625007
ENSG00000237550	3288.00	2858.25 -0.2020781901
ENSG00000237575	2.00	3.00 0.5849625007

ENSG00000237580	12.00	13.50	0.1699250014
ENSG00000237586	1.00	1.00	0.0000000000
ENSG00000237599	200.25	109.50	-0.8708713728
ENSG00000237624	23.00	33.75	0.5532536410
ENSG00000237632	0.25	0.75	1.5849625007
ENSG00000237641	10.50	7.50	-0.4854268272
ENSG00000237649	1.00	1.75	0.8073549221
ENSG00000237651	245.75	184.75	-0.4116170522
ENSG00000237659	2.25	3.00	0.4150374993
ENSG00000237672	2.25	2.75	0.2895066172
ENSG00000237682	0.50	0.50	0.0000000000
ENSG00000237691	1.50	1.50	0.0000000000
ENSG00000237693	2.75	3.25	0.2410080995
ENSG00000237709	1.00	1.50	0.5849625007
ENSG00000237710	18.00	9.75	-0.8845227826
ENSG00000237719	1.50	2.25	0.5849625007
ENSG00000237724	809.50	956.50	0.2407338880
ENSG00000237732	6.00	8.75	0.5443205162
ENSG00000237733	3.50	1.25	-1.4854268272
ENSG00000237749	0.50	0.50	0.0000000000
ENSG00000237754	3.00	1.00	-1.5849625007
ENSG00000237757	0.50	1.25	1.3219280949
ENSG00000237763	0.75	0.50	-0.5849625007
ENSG00000237765	334.75	347.00	0.0518516073
ENSG00000237766	0.50	0.50	0.0000000000
ENSG00000237818	0.25	0.75	1.5849625007
ENSG00000237821	0.25	0.25	0.0000000000
ENSG00000237825	159.00	153.50	-0.0507881099
ENSG00000237829	225.75	251.00	0.1529613765
ENSG00000237840	25.75	16.75	-0.6204113367
ENSG00000237846	55.00	46.00	-0.2577977575
ENSG00000237854	66.00	51.50	-0.3578935922
ENSG00000237861	0.25	0.25	0.0000000000
ENSG00000237872	0.25	0.25	0.0000000000
ENSG00000237888	0.50	1.00	1.0000000000
ENSG00000237889	695.25	757.00	0.1227614606
ENSG00000237900	36.75	21.50	-0.7734075901
ENSG00000237911	3.25	3.00	-0.1154772174
ENSG00000237916	5.00	3.00	-0.7369655942
ENSG00000237917	1.00	0.25	-2.0000000000
ENSG00000237918	3.50	1.25	-1.4854268272
ENSG00000237961	0.50	0.75	0.5849625007
ENSG00000237962	0.25	0.50	1.0000000000

ENSG00000237972	2.00	0.75 -1.4150374993
ENSG00000237973	55.00	60.50 0.1375035237
ENSG00000237977	2.25	0.50 -2.1699250014
ENSG00000237979	0.50	0.50 0.0000000000
ENSG00000237991	0.25	0.25 0.0000000000
ENSG00000238003	0.25	0.75 1.5849625007
ENSG00000238008	0.75	0.25 -1.5849625007
ENSG00000238021	0.75	0.25 -1.5849625007
ENSG00000238056	23.50	15.50 -0.6003925413
ENSG00000238059	1.75	1.75 0.0000000000
ENSG00000238061	1.50	2.50 0.7369655942
ENSG00000238072	20.00	16.25 -0.2995602819
ENSG00000238082	2.25	2.25 0.0000000000
ENSG00000238083	536.00	441.50 -0.2798195628
ENSG00000238086	0.25	0.50 1.0000000000
ENSG00000238098	7.50	7.00 -0.0995356736
ENSG00000238103	6.00	3.00 -1.0000000000
ENSG00000238104	161.50	130.75 -0.3047232184
ENSG00000238105	58.75	42.75 -0.4586644317
ENSG00000238109	2.00	0.50 -2.0000000000
ENSG00000238110	0.50	0.50 0.0000000000
ENSG00000238134	156.75	95.00 -0.7224660245
ENSG00000238151	4.25	1.25 -1.7655347464
ENSG00000238161	0.50	1.00 1.0000000000
ENSG00000238196	5.00	4.25 -0.2344652536
ENSG00000238203	5.50	3.50 -0.6520766966
ENSG00000238205	0.25	0.25 0.0000000000
ENSG00000238227	697.50	665.50 -0.0677545508
ENSG00000238228	10.00	10.00 0.0000000000
ENSG00000238243	10.25	5.50 -0.8981203860
ENSG00000238271	91.00	59.75 -0.6069278322
ENSG00000238278	6.00	5.50 -0.1255308821
ENSG00000238286	4.25	1.25 -1.7655347464
ENSG00000238289	11.50	26.50 1.2043584985
ENSG00000239218	22.25	15.25 -0.5449960934
ENSG00000239246	0.75	0.75 0.0000000000
ENSG00000239254	4.25	1.75 -1.2801079192
ENSG00000239257	3.50	3.00 -0.2223924213
ENSG00000239264	6977.25	6204.00 -0.1694598410
ENSG00000239272	1.00	1.00 0.0000000000
ENSG00000239280	0.75	2.00 1.4150374993
ENSG00000239282	92.25	107.25 0.2173568314
ENSG00000239285	11.00	11.75 0.0951572330

ENSG00000239291	0.75	1.00	0.4150374993
ENSG00000239305	885.75	1016.25	0.1982838868
ENSG00000239306	515.75	417.50	-0.3048957185
ENSG00000239329	1.25	1.00	-0.3219280949
ENSG00000239351	0.25	0.25	0.0000000000
ENSG00000239365	0.25	0.25	0.0000000000
ENSG00000239382	149.75	154.75	0.0473834064
ENSG00000239388	14.00	14.50	0.0506260731
ENSG00000239402	1.50	1.75	0.2223924213
ENSG00000239405	8.75	4.25	-1.0418201757
ENSG00000239413	0.25	0.25	0.0000000000
ENSG00000239457	0.50	0.25	-1.0000000000
ENSG00000239463	36.50	33.00	-0.1454304395
ENSG00000239465	0.25	0.25	0.0000000000
ENSG00000239470	1.00	1.75	0.8073549221
ENSG00000239473	0.25	0.25	0.0000000000
ENSG00000239474	51.25	28.00	-0.8721251774
ENSG00000239483	1.25	1.50	0.2630344058
ENSG00000239486	0.75	2.00	1.4150374993
ENSG00000239497	11.00	11.75	0.0951572330
ENSG00000239511	5.50	13.00	1.2410080995
ENSG00000239521	571.50	476.00	-0.2637919249
ENSG00000239528	0.50	0.25	-1.0000000000
ENSG00000239533	1.00	0.50	-1.0000000000
ENSG00000239556	28.75	21.00	-0.4531726282
ENSG00000239557	1.25	1.75	0.4854268272
ENSG00000239590	2.00	1.00	-1.0000000000
ENSG00000239602	0.25	0.25	0.0000000000
ENSG00000239605	11.50	7.75	-0.5693656457
ENSG00000239617	9.00	8.00	-0.1699250014
ENSG00000239618	39.75	43.00	0.1133817994
ENSG00000239626	17.25	10.75	-0.6822597021
ENSG00000239650	25.25	17.75	-0.5084643632
ENSG00000239670	1.00	2.00	1.0000000000
ENSG00000239671	0.50	0.75	0.5849625007
ENSG00000239672	308.50	280.00	-0.1398436622
ENSG00000239696	2.25	3.50	0.6374299206
ENSG00000239697	730.75	770.25	0.0759488532
ENSG00000239701	0.25	0.25	0.0000000000
ENSG00000239704	40.50	15.75	-1.3625700794
ENSG00000239713	181.50	114.50	-0.6646219499
ENSG00000239719	0.25	0.75	1.5849625007
ENSG00000239722	0.25	0.50	1.0000000000

ENSG00000239732	6.25	4.25 -0.5563933485
ENSG00000239754	327.75	225.25 -0.5410686744
ENSG00000239763	14.00	8.00 -0.8073549221
ENSG00000239779	1074.00	755.25 -0.5079678093
ENSG00000239784	3.50	3.00 -0.2223924213
ENSG00000239789	164.25	178.00 0.1159838706
ENSG00000239797	0.50	0.25 -1.0000000000
ENSG00000239827	6.25	3.75 -0.7369655942
ENSG00000239830	2.00	3.00 0.5849625007
ENSG00000239836	34.25	21.75 -0.6550885871
ENSG00000239857	411.00	406.50 -0.0158830416
ENSG00000239865	107.25	116.50 0.1193523072
ENSG00000239882	5.25	3.00 -0.8073549221
ENSG00000239883	59.00	50.00 -0.2387868596
ENSG00000239887	20.75	18.25 -0.1852148725
ENSG00000239893	0.50	0.50 0.0000000000
ENSG00000239900	670.75	723.75 0.1097162936
ENSG00000239912	2.00	1.00 -1.0000000000
ENSG00000239926	1.00	0.75 -0.4150374993
ENSG00000239927	23.75	16.75 -0.5037664179
ENSG00000239959	0.75	1.50 1.0000000000
ENSG00000239969	12.75	15.50 0.2817709684
ENSG00000239974	14.50	9.50 -0.6100534817
ENSG00000239997	0.25	0.25 0.0000000000
ENSG00000239998	4.00	2.25 -0.8300749986
ENSG00000240003	0.50	0.50 0.0000000000
ENSG00000240021	18.75	17.25 -0.1202942337
ENSG00000240024	28.50	15.75 -0.8556100907
ENSG00000240038	128.50	145.00 0.1742845408
ENSG00000240053	93.25	103.00 0.1434687069
ENSG00000240058	4.25	1.50 -1.5025003405
ENSG00000240065	32.25	21.00 -0.6189098326
ENSG00000240069	5.00	5.25 0.0703893279
ENSG00000240087	3.25	2.25 -0.5305147167
ENSG00000240089	10.00	5.50 -0.8624964763
ENSG00000240103	0.75	0.75 0.0000000000
ENSG00000240108	0.75	1.25 0.7369655942
ENSG00000240118	32.50	20.25 -0.6825178101
ENSG00000240132	0.50	1.75 1.8073549221
ENSG00000240163	0.75	1.25 0.7369655942
ENSG00000240180	4.00	4.00 0.0000000000
ENSG00000240184	7123.25	6527.75 -0.1259498185
ENSG00000240204	7.75	3.00 -1.3692338097

ENSG00000240216	0.75	0.25 -1.5849625007
ENSG00000240225	348.50	298.50 -0.2234277246
ENSG00000240230	231.00	169.50 -0.4466075783
ENSG00000240231	1.00	0.25 -2.0000000000
ENSG00000240236	0.25	0.25 0.0000000000
ENSG00000240253	0.75	1.50 1.0000000000
ENSG00000240280	5.50	4.00 -0.4594316186
ENSG00000240303	1413.25	838.75 -0.7527039306
ENSG00000240311	0.75	0.25 -1.5849625007
ENSG00000240338	1.50	2.50 0.7369655942
ENSG00000240342	2698.25	2438.50 -0.1460300516
ENSG00000240344	481.00	366.25 -0.3932081345
ENSG00000240356	341.00	268.50 -0.3448496510
ENSG00000240370	68.00	54.25 -0.3259116088
ENSG00000240376	1.00	2.75 1.4594316186
ENSG00000240389	14.50	9.50 -0.6100534817
ENSG00000240395	0.75	1.00 0.4150374993
ENSG00000240399	2.75	3.00 0.1255308821
ENSG00000240404	0.25	0.25 0.0000000000
ENSG00000240409	0.25	0.50 1.0000000000
ENSG00000240418	0.25	0.25 0.0000000000
ENSG00000240429	29.25	33.50 0.1957244709
ENSG00000240433	12.25	8.00 -0.6147098441
ENSG00000240441	0.25	0.50 1.0000000000
ENSG00000240445	81.50	44.50 -0.8729947233
ENSG00000240463	2.00	2.25 0.1699250014
ENSG00000240494	0.50	0.50 0.0000000000
ENSG00000240505	1.75	1.50 -0.2223924213
ENSG00000240508	12.75	11.25 -0.1805722456
ENSG00000240509	1.25	0.75 -0.7369655942
ENSG00000240520	0.25	1.50 2.5849625007
ENSG00000240522	4.50	3.25 -0.4694852833
ENSG00000240540	0.75	0.75 0.0000000000
ENSG00000240563	3.50	1.75 -1.0000000000
ENSG00000240583	98.25	71.50 -0.4585141655
ENSG00000240590	0.25	0.50 1.0000000000
ENSG00000240592	2.75	4.75 0.7884958948
ENSG00000240602	0.75	0.25 -1.5849625007
ENSG00000240616	1.25	1.75 0.4854268272
ENSG00000240634	2.00	3.25 0.7004397181
ENSG00000240654	16.50	12.00 -0.4594316186
ENSG00000240661	11.25	15.75 0.4854268272
ENSG00000240667	0.25	0.25 0.0000000000

ENSG00000240682	539.25	512.75	-0.0726986847
ENSG00000240694	671.25	848.50	0.3380644767
ENSG00000240720	10.25	5.75	-0.8339900486
ENSG00000240747	27.50	26.25	-0.0671141959
ENSG00000240755	4.50	6.00	0.4150374993
ENSG00000240761	0.50	0.25	-1.0000000000
ENSG00000240764	80.50	31.25	-1.3651325935
ENSG00000240771	1143.25	1481.00	0.3734307215
ENSG00000240776	0.25	0.75	1.5849625007
ENSG00000240793	1.00	1.25	0.3219280949
ENSG00000240808	0.75	0.75	0.0000000000
ENSG00000240809	30.50	37.75	0.3076674018
ENSG00000240813	0.25	0.25	0.0000000000
ENSG00000240821	2.00	0.25	-3.0000000000
ENSG00000240845	3.50	3.00	-0.2223924213
ENSG00000240849	815.00	804.75	-0.0182593876
ENSG00000240854	0.75	1.25	0.7369655942
ENSG00000240857	346.75	314.00	-0.1431313234
ENSG00000240882	0.75	0.25	-1.5849625007
ENSG00000240891	8.75	4.75	-0.8813555035
ENSG00000240898	2.75	1.75	-0.6520766966
ENSG00000240914	1.25	0.25	-2.3219280949
ENSG00000240925	0.25	0.25	0.0000000000
ENSG00000240929	22.25	16.75	-0.4096442405
ENSG00000240935	0.25	1.50	2.5849625007
ENSG00000240950	1.00	0.50	-1.0000000000
ENSG00000240954	0.50	0.25	-1.0000000000
ENSG00000240970	4.25	4.00	-0.0874628413
ENSG00000240972	1310.25	1390.50	0.0857616357
ENSG00000240975	4.25	5.00	0.2344652536
ENSG00000240979	8.50	5.75	-0.5639008852
ENSG00000240991	0.25	0.25	0.0000000000
ENSG00000240992	0.25	0.50	1.0000000000
ENSG00000241002	0.25	0.25	0.0000000000
ENSG00000241015	95.50	91.75	-0.0577925752
ENSG00000241020	4.75	7.00	0.5594274086
ENSG00000241030	2.75	0.75	-1.8744691179
ENSG00000241043	28.00	20.25	-0.4675049192
ENSG00000241057	22.75	24.75	0.1215619799
ENSG00000241058	131.50	91.00	-0.5311243491
ENSG00000241061	0.25	0.25	0.0000000000
ENSG00000241081	3.50	2.25	-0.6374299206
ENSG00000241104	20.50	8.00	-1.3575520046

ENSG00000241106	0.50	0.25 -1.0000000000
ENSG00000241112	0.50	0.25 -1.0000000000
ENSG00000241114	0.50	0.50 0.0000000000
ENSG00000241120	2.00	2.25 0.1699250014
ENSG00000241127	172.50	126.50 -0.4474589770
ENSG00000241129	0.75	0.25 -1.5849625007
ENSG00000241132	16.50	13.00 -0.3439544012
ENSG00000241146	2.25	0.50 -2.1699250014
ENSG00000241157	0.50	0.25 -1.0000000000
ENSG00000241166	3.25	0.75 -2.1154772174
ENSG00000241170	14.00	14.75 0.0752881273
ENSG00000241185	0.50	1.00 1.0000000000
ENSG00000241186	6.25	4.75 -0.3959286763
ENSG00000241187	0.50	0.25 -1.0000000000
ENSG00000241218	3.25	2.25 -0.5305147167
ENSG00000241233	0.75	1.50 1.0000000000
ENSG00000241253	8.75	3.50 -1.3219280949
ENSG00000241258	684.50	640.75 -0.0952889680
ENSG00000241278	3.75	4.00 0.0931094044
ENSG00000241286	1.25	2.25 0.8479969066
ENSG00000241296	1.00	0.75 -0.4150374993
ENSG00000241318	0.75	0.50 -0.5849625007
ENSG00000241322	9.75	5.00 -0.9634741240
ENSG00000241343	2742.25	2082.75 -0.3968704240
ENSG00000241352	0.75	0.50 -0.5849625007
ENSG00000241358	0.25	0.25 0.0000000000
ENSG00000241360	89.25	118.00 0.4028627853
ENSG00000241362	1.25	2.25 0.8479969066
ENSG00000241370	28.75	23.50 -0.2909011993
ENSG00000241386	0.75	0.50 -0.5849625007
ENSG00000241394	39.50	19.75 -1.0000000000
ENSG00000241399	1817.25	5642.50 1.6345776079
ENSG00000241404	20.75	8.75 -1.2457564144
ENSG00000241416	0.25	0.25 0.0000000000
ENSG00000241431	1.75	0.25 -2.8073549221
ENSG00000241434	0.50	0.25 -1.0000000000
ENSG00000241458	0.25	0.75 1.5849625007
ENSG00000241468	992.25	927.25 -0.0977452945
ENSG00000241484	14.50	13.75 -0.0766212816
ENSG00000241489	359.25	280.50 -0.3569873858
ENSG00000241493	0.50	0.25 -1.0000000000
ENSG00000241506	471.00	464.00 -0.0216022545
ENSG00000241532	1.25	1.00 -0.3219280949

ENSG00000241534	332.00	224.25	-0.5660752564
ENSG00000241539	0.50	0.75	0.5849625007
ENSG00000241547	5.50	4.25	-0.3719687774
ENSG00000241549	33.25	22.50	-0.5634293392
ENSG00000241553	1811.75	2330.50	0.3632556186
ENSG00000241556	2.00	2.25	0.1699250014
ENSG00000241563	4.50	2.50	-0.8479969066
ENSG00000241597	0.75	0.75	0.0000000000
ENSG00000241607	0.50	0.50	0.0000000000
ENSG00000241612	1.00	1.00	0.0000000000
ENSG00000241621	0.50	0.50	0.0000000000
ENSG00000241622	1.00	1.00	0.0000000000
ENSG00000241627	6.00	4.00	-0.5849625007
ENSG00000241634	4.50	4.25	-0.0824621602
ENSG00000241635	6.75	8.50	0.3325753391
ENSG00000241644	549.25	1178.50	1.1014168888
ENSG00000241661	1.00	0.25	-2.0000000000
ENSG00000241674	1.25	0.75	-0.7369655942
ENSG00000241680	0.25	0.25	0.0000000000
ENSG00000241685	2001.25	1830.75	-0.1284666069
ENSG00000241697	109.75	122.50	0.1585608095
ENSG00000241713	0.25	7.25	4.8579809951
ENSG00000241717	2.00	2.00	0.0000000000
ENSG00000241735	2.25	0.25	-3.1699250014
ENSG00000241738	2.75	1.75	-0.6520766966
ENSG00000241741	3.50	2.75	-0.3479233034
ENSG00000241749	30.00	41.75	0.4768136969
ENSG00000241782	1.50	0.25	-2.5849625007
ENSG00000241790	54.75	51.00	-0.1023617176
ENSG00000241825	0.50	0.75	0.5849625007
ENSG00000241829	0.50	0.75	0.5849625007
ENSG00000241837	1624.25	1485.25	-0.1290679166
ENSG00000241838	0.75	0.25	-1.5849625007
ENSG00000241839	6582.75	5959.00	-0.1436201606
ENSG00000241852	364.50	373.75	0.0361547648
ENSG00000241859	1.75	1.00	-0.8073549221
ENSG00000241863	28.75	23.50	-0.2909011993
ENSG00000241878	474.75	614.75	0.3728318294
ENSG00000241880	3.50	3.00	-0.2223924213
ENSG00000241889	2.50	1.00	-1.3219280949
ENSG00000241907	1.00	0.75	-0.4150374993
ENSG00000241923	0.75	0.50	-0.5849625007
ENSG00000241935	31.75	40.25	0.3422321913

ENSG00000241945	137.75	105.25	-0.3882320855
ENSG00000241962	16.75	8.25	-1.0216950711
ENSG00000241973	2734.00	2219.25	-0.3009410457
ENSG00000241975	13.50	9.25	-0.5454341365
ENSG00000241978	5226.75	10678.00	1.0306553934
ENSG00000241984	1.00	1.00	0.0000000000
ENSG00000242028	117.50	110.50	-0.0886143872
ENSG00000242038	19.25	23.25	0.2723722704
ENSG00000242039	3.50	3.00	-0.2223924213
ENSG00000242068	12.50	8.25	-0.5994620704
ENSG00000242071	6.50	3.25	-1.0000000000
ENSG00000242073	1.00	1.75	0.8073549221
ENSG00000242083	0.50	0.75	0.5849625007
ENSG00000242085	1.75	1.25	-0.4854268272
ENSG00000242092	0.75	0.75	0.0000000000
ENSG00000242097	2.50	1.25	-1.0000000000
ENSG00000242100	0.50	0.25	-1.0000000000
ENSG00000242110	264.75	219.50	-0.2704097445
ENSG00000242114	11.00	24.50	1.1552782255
ENSG00000242150	2.50	7.75	1.6322682155
ENSG00000242156	1.50	0.25	-2.5849625007
ENSG00000242173	2.25	1.00	-1.1699250014
ENSG00000242193	388.75	334.75	-0.2157586197
ENSG00000242198	10.25	7.00	-0.5501970826
ENSG00000242220	4.25	5.00	0.2344652536
ENSG00000242221	42.75	20.75	-1.0428130835
ENSG00000242227	2.75	0.75	-1.8744691179
ENSG00000242247	1044.00	960.50	-0.1202641929
ENSG00000242252	4.75	1.75	-1.4405725914
ENSG00000242255	0.25	0.50	1.0000000000
ENSG00000242259	446.75	412.75	-0.1141995141
ENSG00000242261	12.25	14.00	0.1926450779
ENSG00000242262	2.00	1.50	-0.4150374993
ENSG00000242265	777.75	387.25	-1.0060412507
ENSG00000242267	5.00	4.25	-0.2344652536
ENSG00000242272	0.50	0.25	-1.0000000000
ENSG00000242294	179.00	131.50	-0.4448967880
ENSG00000242296	0.25	0.50	1.0000000000
ENSG00000242299	13.00	14.25	0.1324502960
ENSG00000242325	0.25	1.00	2.0000000000
ENSG00000242335	333.50	222.25	-0.5855033424
ENSG00000242337	9.25	5.00	-0.8875252707
ENSG00000242338	47.75	31.50	-0.6001489045

ENSG00000242352	11.75	7.50 -0.6476982561
ENSG00000242358	3.25	1.75 -0.8930847961
ENSG00000242361	83.00	36.50 -1.1852148725
ENSG00000242372	1184.75	1109.50 -0.0946729934
ENSG00000242386	1.00	0.50 -1.0000000000
ENSG00000242412	1.50	1.50 0.0000000000
ENSG00000242419	18.50	12.25 -0.5947435215
ENSG00000242435	1.50	2.25 0.5849625007
ENSG00000242439	0.50	1.00 1.0000000000
ENSG00000242441	0.50	6.00 3.5849625007
ENSG00000242445	0.75	1.50 1.0000000000
ENSG00000242457	2.50	0.50 -2.3219280949
ENSG00000242479	2.00	2.00 0.0000000000
ENSG00000242485	592.75	591.00 -0.0042656273
ENSG00000242498	854.50	812.75 -0.0722688410
ENSG00000242520	0.25	0.25 0.0000000000
ENSG00000242531	1.75	1.00 -0.8073549221
ENSG00000242550	1.75	1.25 -0.4854268272
ENSG00000242551	1.25	0.50 -1.3219280949
ENSG00000242562	0.25	0.75 1.5849625007
ENSG00000242571	0.25	0.50 1.0000000000
ENSG00000242574	1.00	0.50 -1.0000000000
ENSG00000242586	0.25	0.25 0.0000000000
ENSG00000242600	79.75	97.75 0.2936121835
ENSG00000242607	3.50	2.00 -0.8073549221
ENSG00000242612	94.00	108.00 0.2002986505
ENSG00000242615	13.75	15.00 0.1255308821
ENSG00000242616	810.25	1011.25 0.3197006820
ENSG00000242667	0.25	0.25 0.0000000000
ENSG00000242685	36.50	33.00 -0.1454304395
ENSG00000242689	7.25	9.00 0.3119440063
ENSG00000242711	12.50	11.75 -0.0892673381
ENSG00000242715	88.75	60.50 -0.5528119771
ENSG00000242731	0.75	0.25 -1.5849625007
ENSG00000242732	573.75	715.00 0.3175209934
ENSG00000242737	0.25	0.50 1.0000000000
ENSG00000242748	2.50	2.75 0.1375035237
ENSG00000242779	124.50	93.50 -0.4131074722
ENSG00000242802	923.00	1035.50 0.1659250006
ENSG00000242810	0.25	1.00 2.0000000000
ENSG00000242814	0.50	0.25 -1.0000000000
ENSG00000242852	68.25	23.50 -1.5381682892
ENSG00000242858	0.75	1.25 0.7369655942

ENSG00000242866	5.75	5.75	0.0000000000
ENSG00000242882	1.25	1.00	-0.3219280949
ENSG00000242941	0.50	0.25	-1.0000000000
ENSG00000242948	6.50	5.00	-0.3785116233
ENSG00000242950	94.75	74.00	-0.3566006725
ENSG00000242952	0.25	0.25	0.0000000000
ENSG00000242960	13.50	9.00	-0.5849625007
ENSG00000242968	0.50	0.50	0.0000000000
ENSG00000242970	0.50	0.25	-1.0000000000
ENSG00000242986	0.25	0.50	1.0000000000
ENSG00000242992	2.50	2.75	0.1375035237
ENSG00000242993	0.25	1.00	2.0000000000
ENSG00000243007	0.25	0.25	0.0000000000
ENSG00000243014	0.25	0.25	0.0000000000
ENSG00000243024	7.75	4.25	-0.8667334691
ENSG00000243025	1.00	0.75	-0.4150374993
ENSG00000243038	2.75	1.50	-0.8744691179
ENSG00000243040	0.25	0.25	0.0000000000
ENSG00000243056	159.75	151.50	-0.0764981375
ENSG00000243064	1.75	1.50	-0.2223924213
ENSG00000243067	32.75	21.00	-0.6411055788
ENSG00000243071	1.75	1.25	-0.4854268272
ENSG00000243094	1.50	1.50	0.0000000000
ENSG00000243116	0.50	0.50	0.0000000000
ENSG00000243130	6.75	1.75	-1.9475325801
ENSG00000243137	309.00	114.25	-1.4354126728
ENSG00000243141	0.25	0.25	0.0000000000
ENSG00000243147	409.25	417.25	0.0279296329
ENSG00000243156	761.50	578.00	-0.3977745440
ENSG00000243175	5.50	6.50	0.2410080995
ENSG00000243181	1.25	0.50	-1.3219280949
ENSG00000243189	36.50	33.00	-0.1454304395
ENSG00000243199	172.75	190.50	0.1411052871
ENSG00000243207	44.00	56.00	0.3479233034
ENSG00000243215	36.50	33.00	-0.1454304395
ENSG00000243232	7.50	12.25	0.7078192485
ENSG00000243234	1.25	0.50	-1.3219280949
ENSG00000243244	1070.00	2495.75	1.2218626296
ENSG00000243251	2.00	2.75	0.4594316186
ENSG00000243279	762.75	580.75	-0.3932930258
ENSG00000243284	14.50	7.75	-0.9037846847
ENSG00000243289	2.00	2.75	0.4594316186
ENSG00000243297	0.50	0.25	-1.0000000000

ENSG00000243302	168.50	145.75	-0.2092527080
ENSG00000243304	2.00	2.25	0.1699250014
ENSG00000243307	0.75	0.50	-0.5849625007
ENSG00000243317	737.25	791.75	0.1028910450
ENSG00000243323	8.50	5.00	-0.7655347464
ENSG00000243335	647.25	529.50	-0.2896923759
ENSG00000243353	0.75	0.25	-1.5849625007
ENSG00000243364	107.75	53.75	-1.0033512095
ENSG00000243388	0.75	0.75	0.0000000000
ENSG00000243403	0.50	0.75	0.5849625007
ENSG00000243406	105.25	89.25	-0.2378961590
ENSG00000243414	225.75	160.50	-0.4921526904
ENSG00000243422	12.75	11.25	-0.1805722456
ENSG00000243423	0.50	0.50	0.0000000000
ENSG00000243429	0.75	0.50	-0.5849625007
ENSG00000243431	7.25	4.75	-0.6100534817
ENSG00000243440	1.50	1.50	0.0000000000
ENSG00000243444	5.00	29.75	2.5728896684
ENSG00000243449	55.25	69.25	0.3258396067
ENSG00000243468	0.75	1.50	1.0000000000
ENSG00000243477	142.25	121.75	-0.2245068802
ENSG00000243478	1.75	1.50	-0.2223924213
ENSG00000243492	12.50	10.00	-0.3219280949
ENSG00000243498	0.25	0.25	0.0000000000
ENSG00000243501	1.25	1.25	0.0000000000
ENSG00000243504	0.75	0.25	-1.5849625007
ENSG00000243509	9.75	5.50	-0.8259706002
ENSG00000243517	2.50	2.00	-0.3219280949
ENSG00000243554	24.25	18.00	-0.4299878407
ENSG00000243566	1.25	0.75	-0.7369655942
ENSG00000243568	5.75	7.00	0.2837929660
ENSG00000243570	333.50	222.25	-0.5855033424
ENSG00000243587	7.00	7.00	0.0000000000
ENSG00000243592	0.25	0.25	0.0000000000
ENSG00000243594	34.25	21.75	-0.6550885871
ENSG00000243612	0.50	0.25	-1.0000000000
ENSG00000243627	1.50	0.25	-2.5849625007
ENSG00000243646	869.75	931.75	0.0993421401
ENSG00000243648	1.00	1.00	0.0000000000
ENSG00000243649	53.00	51.50	-0.0414199274
ENSG00000243659	0.50	0.50	0.0000000000
ENSG00000243660	92.00	68.25	-0.4308048151
ENSG00000243663	0.25	1.00	2.0000000000

ENSG00000243667	313.25	283.50 -0.1439657744
ENSG00000243678	4454.50	4183.75 -0.0904668581
ENSG00000243679	80.50	80.25 -0.0044873910
ENSG00000243680	0.25	0.25 0.0000000000
ENSG00000243686	1.00	1.25 0.3219280949
ENSG00000243696	27.00	23.50 -0.2002986505
ENSG00000243697	7.25	4.25 -0.7705181539
ENSG00000243708	22.75	22.50 -0.0159415439
ENSG00000243709	1.00	0.75 -0.4150374993
ENSG00000243710	10.50	15.25 0.5384199148
ENSG00000243711	0.50	1.00 1.0000000000
ENSG00000243716	681.75	771.50 0.1784233617
ENSG00000243719	36.50	33.00 -0.1454304395
ENSG00000243725	365.50	316.50 -0.2076659065
ENSG00000243730	0.25	0.50 1.0000000000
ENSG00000243742	59.75	11.00 -2.4414351893
ENSG00000243746	2.00	2.25 0.1699250014
ENSG00000243749	548.50	596.50 0.1210305173
ENSG00000243753	63.25	57.25 -0.1437897866
ENSG00000243759	0.50	0.25 -1.0000000000
ENSG00000243775	7.75	4.25 -0.8667334691
ENSG00000243789	81.25	53.75 -0.5961030583
ENSG00000243811	39.00	51.75 0.4080847386
ENSG00000243813	0.25	0.25 0.0000000000
ENSG00000243824	0.50	0.25 -1.0000000000
ENSG00000243829	1.25	0.75 -0.7369655942
ENSG00000243830	0.50	0.25 -1.0000000000
ENSG00000243886	0.50	0.25 -1.0000000000
ENSG00000243896	28.00	19.25 -0.5405683814
ENSG00000243897	33.50	28.25 -0.2459102280
ENSG00000243910	0.25	0.25 0.0000000000
ENSG00000243927	700.00	497.00 -0.4941090703
ENSG00000243930	0.50	0.75 0.5849625007
ENSG00000243943	703.75	472.50 -0.5747486879
ENSG00000243958	12.75	11.25 -0.1805722456
ENSG00000243964	1.25	0.75 -0.7369655942
ENSG00000243970	42.75	26.25 -0.7036069972
ENSG00000243977	0.75	0.25 -1.5849625007
ENSG00000243978	20.00	29.75 0.5728896684
ENSG00000243981	0.75	1.50 1.0000000000
ENSG00000243989	298.50	285.75 -0.0629774331
ENSG00000244005	344.25	340.25 -0.0168614926
ENSG00000244018	2.00	0.25 -3.0000000000

ENSG00000244026	121.75	96.50 -0.3353209248
ENSG00000244038	5338.25	4829.50 -0.1444930371
ENSG00000244045	262.00	281.50 0.1035681105
ENSG00000244050	47.75	43.50 -0.1344853322
ENSG00000244053	0.50	1.00 1.0000000000
ENSG00000244061	1.25	1.00 -0.3219280949
ENSG00000244073	3.75	1.00 -1.9068905956
ENSG00000244097	0.75	0.25 -1.5849625007
ENSG00000244101	0.75	0.25 -1.5849625007
ENSG00000244113	0.75	0.50 -0.5849625007
ENSG00000244115	254.00	276.75 0.1237548200
ENSG00000244119	2.50	1.25 -1.0000000000
ENSG00000244134	0.75	0.75 0.0000000000
ENSG00000244159	0.50	0.25 -1.0000000000
ENSG00000244165	79.50	131.50 0.7260360340
ENSG00000244167	4.50	4.25 -0.0824621602
ENSG00000244176	0.25	0.25 0.0000000000
ENSG00000244183	1.00	1.00 0.0000000000
ENSG00000244187	259.50	212.50 -0.2882716973
ENSG00000244207	447.00	291.75 -0.6155421755
ENSG00000244242	123.25	99.25 -0.3124486392
ENSG00000244255	108.25	15.75 -2.7809432912
ENSG00000244257	933.75	983.25 0.0745219433
ENSG00000244270	124.25	89.25 -0.4773217775
ENSG00000244274	260.00	416.75 0.6806705760
ENSG00000244280	0.50	1.00 1.0000000000
ENSG00000244301	3.25	14.00 2.1069152039
ENSG00000244306	243.25	276.75 0.1861435120
ENSG00000244313	4.25	0.50 -3.0874628413
ENSG00000244331	0.25	0.25 0.0000000000
ENSG00000244346	0.25	0.75 1.5849625007
ENSG00000244363	4.25	3.75 -0.1805722456
ENSG00000244371	16.50	9.50 -0.7964666059
ENSG00000244378	5.50	4.25 -0.3719687774
ENSG00000244398	3410.00	3072.25 -0.1504761211
ENSG00000244405	432.00	624.25 0.5310926038
ENSG00000244411	1.75	0.75 -1.2223924213
ENSG00000244414	12.50	6.75 -0.8889686876
ENSG00000244444	1.50	1.00 -0.5849625007
ENSG00000244457	1.00	0.50 -1.0000000000
ENSG00000244462	1013.25	1388.25 0.4542772205
ENSG00000244480	34.00	26.50 -0.3595423867
ENSG00000244482	0.75	1.25 0.7369655942

ENSG00000244486	1023.25	1267.75	0.3091116076
ENSG00000244509	1869.50	1366.50	-0.4521670113
ENSG00000244515	4.00	4.25	0.0874628413
ENSG00000244528	0.75	1.25	0.7369655942
ENSG00000244538	0.50	0.75	0.5849625007
ENSG00000244556	2.25	1.00	-1.1699250014
ENSG00000244560	235.25	233.50	-0.0107721730
ENSG00000244563	14.25	11.50	-0.3093280581
ENSG00000244573	0.25	0.50	1.0000000000
ENSG00000244582	1.00	1.50	0.5849625007
ENSG00000244588	1.00	1.75	0.8073549221
ENSG00000244607	21.50	36.25	0.7536443353
ENSG00000244617	19.25	21.00	0.1255308821
ENSG00000244623	0.50	1.25	1.3219280949
ENSG00000244627	83.00	81.25	-0.0307435234
ENSG00000244668	2.50	1.25	-1.0000000000
ENSG00000244672	9.50	11.25	0.2439255829
ENSG00000244681	7.50	4.50	-0.7369655942
ENSG00000244682	1.00	0.25	-2.0000000000
ENSG00000244687	2546.00	2330.25	-0.1277476771
ENSG00000244693	33.25	38.75	0.2208419698
ENSG00000244694	210.00	121.25	-0.7924045806
ENSG00000244705	0.75	1.25	0.7369655942
ENSG00000244716	6.25	5.25	-0.2515387670
ENSG00000244721	5.50	6.75	0.2954558835
ENSG00000244722	0.25	0.25	0.0000000000
ENSG00000244723	7.75	4.25	-0.8667334691
ENSG00000244731	122.50	61.50	-0.9941234337
ENSG00000244754	1747.75	1523.00	-0.1985828932
ENSG00000244921	0.75	1.00	0.4150374993
ENSG00000244932	8.75	7.25	-0.2713020218
ENSG00000245205	6.25	3.75	-0.7369655942
ENSG00000245680	452.25	356.00	-0.3452432617
ENSG00000245848	4.25	4.25	0.0000000000
ENSG00000245958	158.00	122.75	-0.3642015339
ENSG00000246082	7.75	9.00	0.2157286911
ENSG00000246203	21.25	17.75	-0.2596438166
ENSG00000246575	13.50	11.00	-0.2954558835
ENSG00000246596	32.00	35.75	0.1598713368
ENSG00000246705	551.75	852.75	0.6281081253
ENSG00000246922	50.75	41.75	-0.2816316247
ENSG00000247077	228.00	271.25	0.2505893132
ENSG00000247315	348.75	272.50	-0.3559369871

ENSG00000247595	5.75	9.25	0.6858914096
ENSG00000247596	905.50	854.00	-0.0844785713
ENSG00000247626	37.00	48.50	0.3904594766
ENSG00000247627	19.00	24.75	0.3814291066
ENSG00000247700	9.75	15.25	0.6453351187
ENSG00000247746	68.00	41.25	-0.7211406270
ENSG00000247763	0.25	0.50	1.0000000000
ENSG00000248098	139.75	122.75	-0.1871252585
ENSG00000248099	1.00	1.25	0.3219280949
ENSG00000248121	28.50	22.25	-0.3571565832
ENSG00000248124	190.00	139.75	-0.4431511355
ENSG00000248126	2.75	1.00	-1.4594316186
ENSG00000248144	61.75	69.75	0.1757540802
ENSG00000248159	2.00	1.00	-1.0000000000
ENSG00000248162	0.75	2.00	1.4150374993
ENSG00000248180	0.25	1.50	2.5849625007
ENSG00000248188	0.50	0.50	0.0000000000
ENSG00000248196	0.25	0.50	1.0000000000
ENSG00000248213	7.25	6.75	-0.1030934930
ENSG00000248230	4.50	2.50	-0.8479969066
ENSG00000248235	6.25	4.25	-0.5563933485
ENSG00000248257	1.00	0.50	-1.0000000000
ENSG00000248278	4.50	4.25	-0.0824621602
ENSG00000248290	5.50	1.00	-2.4594316186
ENSG00000248320	3.25	1.75	-0.8930847961
ENSG00000248329	3.75	4.25	0.1805722456
ENSG00000248333	1336.75	1307.25	-0.0321946066
ENSG00000248334	26.50	24.50	-0.1132106104
ENSG00000248347	0.25	0.75	1.5849625007
ENSG00000248352	1.50	1.25	-0.2630344058
ENSG00000248375	8.75	7.00	-0.3219280949
ENSG00000248383	2.50	1.00	-1.3219280949
ENSG00000248385	0.50	0.50	0.0000000000
ENSG00000248401	0.25	0.25	0.0000000000
ENSG00000248406	0.75	1.75	1.2223924213
ENSG00000248449	5.50	4.75	-0.2115041052
ENSG00000248472	4.00	6.25	0.6438561898
ENSG00000248477	5.50	3.50	-0.6520766966
ENSG00000248483	10.50	9.50	-0.1443899093
ENSG00000248485	2.50	1.00	-1.3219280949
ENSG00000248487	252.00	230.75	-0.1270930859
ENSG00000248496	1.25	1.00	-0.3219280949
ENSG00000248503	17.50	16.75	-0.0631938265

ENSG00000248527	5235.00	4943.75	-0.0825837476
ENSG00000248553	0.50	0.25	-1.0000000000
ENSG00000248557	2.50	2.50	0.0000000000
ENSG00000248583	4.50	3.50	-0.3625700794
ENSG00000248586	0.25	0.25	0.0000000000
ENSG00000248592	54.75	39.25	-0.4801663107
ENSG00000248593	71.00	43.50	-0.7068036237
ENSG00000248610	1.00	2.00	1.0000000000
ENSG00000248618	0.25	0.25	0.0000000000
ENSG00000248626	0.75	2.00	1.4150374993
ENSG00000248632	38.75	39.50	0.0276563429
ENSG00000248641	1.00	2.00	1.0000000000
ENSG00000248643	60.25	47.25	-0.3506469120
ENSG00000248672	12.50	22.50	0.8479969066
ENSG00000248710	17.50	6.75	-1.3743955148
ENSG00000248712	25.00	22.00	-0.1844245711
ENSG00000248746	1.25	2.00	0.6780719051
ENSG00000248751	23.75	20.00	-0.2479275134
ENSG00000248769	0.25	1.75	2.8073549221
ENSG00000248794	2.25	1.75	-0.3625700794
ENSG00000248830	1.50	1.25	-0.2630344058
ENSG00000248840	1.50	1.75	0.2223924213
ENSG00000248854	1.50	1.00	-0.5849625007
ENSG00000248863	1.50	0.50	-1.5849625007
ENSG00000248871	21.25	10.75	-0.9831261814
ENSG00000248905	725.25	480.50	-0.5939419594
ENSG00000248909	1.25	0.25	-2.3219280949
ENSG00000248916	2.75	2.75	0.0000000000
ENSG00000248919	163.75	134.25	-0.2865728184
ENSG00000248923	9.00	10.00	0.1520030934
ENSG00000248946	0.50	1.00	1.0000000000
ENSG00000248971	5.75	6.50	0.1768777621
ENSG00000248989	1.00	2.25	1.1699250014
ENSG00000249005	1.25	1.50	0.2630344058
ENSG00000249013	0.50	0.25	-1.0000000000
ENSG00000249047	0.75	0.50	-0.5849625007
ENSG00000249072	2678.50	1868.25	-0.5197377738
ENSG00000249079	0.25	0.25	0.0000000000
ENSG00000249092	0.50	0.25	-1.0000000000
ENSG00000249115	209.50	134.00	-0.6447172432
ENSG00000249119	1.25	1.00	-0.3219280949
ENSG00000249123	0.50	1.00	1.0000000000
ENSG00000249140	0.25	0.50	1.0000000000

ENSG00000249148	0.75	0.50 -0.5849625007
ENSG00000249158	1.25	3.25 1.3785116233
ENSG00000249188	0.75	0.75 0.0000000000
ENSG00000249209	8.75	5.00 -0.8073549221
ENSG00000249212	0.50	0.25 -1.0000000000
ENSG00000249222	0.50	1.25 1.3219280949
ENSG00000249226	1.75	1.25 -0.4854268272
ENSG00000249230	11.00	5.25 -1.0671141959
ENSG00000249240	119.25	101.75 -0.2289604717
ENSG00000249242	31.00	44.50 0.5215371206
ENSG00000249244	9.25	4.50 -1.0395283642
ENSG00000249245	0.75	0.25 -1.5849625007
ENSG00000249263	0.25	0.75 1.5849625007
ENSG00000249264	14.50	15.75 0.1192989284
ENSG00000249274	1.00	0.50 -1.0000000000
ENSG00000249286	3.00	3.25 0.1154772174
ENSG00000249288	0.25	0.25 0.0000000000
ENSG00000249316	11.25	8.25 -0.4474589770
ENSG00000249319	35.00	24.50 -0.5145731728
ENSG00000249337	2.00	0.50 -2.0000000000
ENSG00000249347	0.25	0.25 0.0000000000
ENSG00000249353	4.50	3.50 -0.3625700794
ENSG00000249363	0.50	1.00 1.0000000000
ENSG00000249386	0.25	0.25 0.0000000000
ENSG00000249411	8.25	10.00 0.2775339755
ENSG00000249437	26.00	21.50 -0.2741749634
ENSG00000249459	113.50	50.50 -1.1683370045
ENSG00000249465	3.75	3.75 0.0000000000
ENSG00000249471	71.75	56.00 -0.3575520046
ENSG00000249489	2.00	1.50 -0.4150374993
ENSG00000249506	0.25	0.50 1.0000000000
ENSG00000249565	0.50	0.50 0.0000000000
ENSG00000249579	0.25	0.25 0.0000000000
ENSG00000249590	31.00	20.75 -0.5791568790
ENSG00000249616	4.00	3.00 -0.4150374993
ENSG00000249624	5.00	2.50 -1.0000000000
ENSG00000249626	11.75	6.50 -0.8541491335
ENSG00000249633	2.75	2.50 -0.1375035237
ENSG00000249646	3.50	4.25 0.2801079192
ENSG00000249661	3.00	1.75 -0.7776075787
ENSG00000249693	14.75	8.75 -0.7533600324
ENSG00000249709	156.00	117.75 -0.4058189692
ENSG00000249715	25.00	18.50 -0.4344028241

ENSG00000249741	20.00	17.75	-0.1721809754
ENSG00000249755	1.75	1.00	-0.8073549221
ENSG00000249767	4.00	1.25	-1.6780719051
ENSG00000249768	2.50	1.00	-1.3219280949
ENSG00000249799	0.25	0.50	1.0000000000
ENSG00000249834	1.75	0.50	-1.8073549221
ENSG00000249839	30.50	13.00	-1.2302976194
ENSG00000249850	0.25	0.75	1.5849625007
ENSG00000249853	0.50	1.00	1.0000000000
ENSG00000249855	19.50	19.25	-0.0186156782
ENSG00000249858	0.25	0.25	0.0000000000
ENSG00000249860	0.25	0.75	1.5849625007
ENSG00000249863	2.50	3.50	0.4854268272
ENSG00000249884	18.75	12.50	-0.5849625007
ENSG00000249889	1.50	0.50	-1.5849625007
ENSG00000249915	1185.00	1278.25	0.1092829669
ENSG00000249931	9.25	10.25	0.1480986390
ENSG00000249936	1.25	7.00	2.4854268272
ENSG00000249947	3.25	2.00	-0.7004397181
ENSG00000249948	1.00	3.50	1.8073549221
ENSG00000249958	0.25	0.25	0.0000000000
ENSG00000249961	4.75	5.00	0.0740005814
ENSG00000249962	2.25	3.00	0.4150374993
ENSG00000249965	1.50	0.50	-1.5849625007
ENSG00000249967	2.50	13.25	2.4059923597
ENSG00000249978	3.75	1.25	-1.5849625007
ENSG00000249986	0.50	1.00	1.0000000000
ENSG00000249992	848.75	546.00	-0.6364387182
ENSG00000250011	4.25	2.50	-0.7655347464
ENSG00000250017	21.25	29.00	0.4485900590
ENSG00000250021	497.50	422.75	-0.2348917710
ENSG00000250026	3.50	7.00	1.0000000000
ENSG00000250031	1.00	1.50	0.5849625007
ENSG00000250050	0.25	0.25	0.0000000000
ENSG00000250053	0.25	0.50	1.0000000000
ENSG00000250067	71.25	73.50	0.0448542358
ENSG00000250090	3.00	0.25	-3.5849625007
ENSG00000250091	102.75	72.50	-0.5030854937
ENSG00000250111	9.25	2.50	-1.8875252707
ENSG00000250120	18.25	13.50	-0.4349370567
ENSG00000250130	1.00	0.75	-0.4150374993
ENSG00000250138	13.25	8.50	-0.6404576133
ENSG00000250140	0.50	0.50	0.0000000000

ENSG00000250144	2.00	2.25	0.1699250014
ENSG00000250147	0.25	0.25	0.0000000000
ENSG00000250151	199.25	202.50	0.0233421838
ENSG00000250154	4.50	2.50	-0.8479969066
ENSG00000250182	27.00	27.75	0.0395283642
ENSG00000250189	2.75	3.25	0.2410080995
ENSG00000250194	163.00	157.50	-0.0495201358
ENSG00000250197	0.25	1.25	2.3219280949
ENSG00000250227	0.75	1.25	0.7369655942
ENSG00000250251	138.75	243.25	0.8099520335
ENSG00000250264	25.00	8.75	-1.5145731728
ENSG00000250299	66.50	55.50	-0.2608665692
ENSG00000250305	485.25	384.75	-0.3348068864
ENSG00000250312	132.75	102.75	-0.3695734671
ENSG00000250317	455.00	385.75	-0.2382003885
ENSG00000250318	17.75	20.75	0.2252923118
ENSG00000250327	19.00	8.50	-1.1604646722
ENSG00000250345	0.50	0.25	-1.0000000000
ENSG00000250361	0.75	0.25	-1.5849625007
ENSG00000250412	4.00	4.25	0.0874628413
ENSG00000250420	0.75	1.00	0.4150374993
ENSG00000250422	6.00	2.00	-1.5849625007
ENSG00000250423	3.25	1.75	-0.8930847961
ENSG00000250424	5.75	1.25	-2.2016338612
ENSG00000250426	0.50	0.25	-1.0000000000
ENSG00000250462	557.50	493.00	-0.1773841584
ENSG00000250470	1.25	1.00	-0.3219280949
ENSG00000250473	0.25	0.25	0.0000000000
ENSG00000250474	7.25	8.75	0.2713020218
ENSG00000250479	35.75	32.75	-0.1264483352
ENSG00000250482	0.50	1.75	1.8073549221
ENSG00000250483	9.25	6.25	-0.5655971759
ENSG00000250486	14.75	6.50	-1.1822033312
ENSG00000250506	86.25	66.25	-0.3806040022
ENSG00000250510	158.50	119.75	-0.4044571844
ENSG00000250517	22.75	20.50	-0.1502426356
ENSG00000250539	4.50	1.75	-1.3625700794
ENSG00000250565	63.00	55.50	-0.1828640571
ENSG00000250569	10.50	6.25	-0.7484612330
ENSG00000250571	330.25	278.00	-0.2484736785
ENSG00000250575	29.50	21.00	-0.4903256266
ENSG00000250588	89.25	151.00	0.7586244753
ENSG00000250644	97.75	59.75	-0.7101579893

ENSG00000250645	3.75	0.75 -2.3219280949
ENSG00000250651	3.00	1.25 -1.2630344058
ENSG00000250654	1.75	1.00 -0.8073549221
ENSG00000250656	0.75	1.00 0.4150374993
ENSG00000250687	11.75	6.50 -0.8541491335
ENSG00000250709	7.75	2.50 -1.6322682155
ENSG00000250722	16148.00	18221.50 0.1742862352
ENSG00000250731	3.75	2.50 -0.5849625007
ENSG00000250741	0.50	0.50 0.0000000000
ENSG00000250746	1.00	1.25 0.3219280949
ENSG00000250753	0.25	0.25 0.0000000000
ENSG00000250769	0.25	1.00 2.0000000000
ENSG00000250771	19.00	14.75 -0.3652844641
ENSG00000250794	0.25	0.75 1.5849625007
ENSG00000250796	3.75	1.50 -1.3219280949
ENSG00000250803	0.25	1.75 2.8073549221
ENSG00000250816	0.25	0.25 0.0000000000
ENSG00000250827	0.25	0.75 1.5849625007
ENSG00000250848	1.50	1.75 0.2223924213
ENSG00000250869	7.50	7.50 0.0000000000
ENSG00000250878	6.75	3.25 -1.0544477840
ENSG00000250892	3.75	2.50 -0.5849625007
ENSG00000250896	0.25	0.25 0.0000000000
ENSG00000250897	0.25	0.50 1.0000000000
ENSG00000250933	0.50	0.50 0.0000000000
ENSG00000250942	0.25	1.25 2.3219280949
ENSG00000250959	33.25	30.00 -0.1483918399
ENSG00000250979	2.75	1.50 -0.8744691179
ENSG00000250982	9.00	7.25 -0.3119440063
ENSG00000250995	2.25	3.50 0.6374299206
ENSG00000251000	1.00	1.00 0.0000000000
ENSG00000251013	0.50	1.00 1.0000000000
ENSG00000251025	0.75	0.50 -0.5849625007
ENSG00000251038	0.50	0.75 0.5849625007
ENSG00000251046	20.50	14.75 -0.4749089553
ENSG00000251050	4.75	1.50 -1.6629650127
ENSG00000251056	0.50	2.75 2.4594316186
ENSG00000251073	1.50	2.00 0.4150374993
ENSG00000251079	77.00	52.50 -0.5525410230
ENSG00000251102	0.25	0.25 0.0000000000
ENSG00000251135	3.00	2.75 -0.1255308821
ENSG00000251158	3.00	1.00 -1.5849625007
ENSG00000251177	3.00	2.25 -0.4150374993

ENSG00000251188	2.25	1.25 -0.8479969066
ENSG00000251192	121.75	101.75 -0.2588929778
ENSG00000251196	5.50	5.25 -0.0671141959
ENSG00000251201	182.00	154.00 -0.2410080995
ENSG00000251203	0.75	0.75 0.0000000000
ENSG00000251211	0.75	1.00 0.4150374993
ENSG00000251229	11.50	7.75 -0.5693656457
ENSG00000251246	3.00	4.50 0.5849625007
ENSG00000251247	94.50	82.75 -0.1915550174
ENSG00000251258	2.25	2.25 0.0000000000
ENSG00000251271	1.75	0.75 -1.2223924213
ENSG00000251287	12.25	7.00 -0.8073549221
ENSG00000251288	1.25	1.25 0.0000000000
ENSG00000251322	85.75	62.75 -0.4505212122
ENSG00000251348	36.25	73.00 1.0099154689
ENSG00000251349	285.50	268.50 -0.0885686574
ENSG00000251357	5.50	4.75 -0.2115041052
ENSG00000251369	191.00	148.00 -0.3679754624
ENSG00000251374	0.50	0.75 0.5849625007
ENSG00000251378	2.25	5.25 1.2223924213
ENSG00000251402	0.75	2.00 1.4150374993
ENSG00000251411	1.50	3.00 1.0000000000
ENSG00000251429	13.75	14.75 0.1012833358
ENSG00000251435	0.25	0.25 0.0000000000
ENSG00000251451	2.75	1.75 -0.6520766966
ENSG00000251463	0.75	0.25 -1.5849625007
ENSG00000251468	0.50	0.75 0.5849625007
ENSG00000251474	243.00	198.75 -0.2900014534
ENSG00000251485	10.00	9.25 -0.1124747293
ENSG00000251493	306.75	316.75 0.0462812755
ENSG00000251495	1.75	0.25 -2.8073549221
ENSG00000251503	6.50	11.00 0.7589919005
ENSG00000251520	2.00	1.25 -0.6780719051
ENSG00000251521	0.25	0.25 0.0000000000
ENSG00000251535	1.00	0.25 -2.0000000000
ENSG00000251537	5.25	3.75 -0.4854268272
ENSG00000251563	3.25	3.75 0.2064508775
ENSG00000251569	18.50	23.75 0.3604022427
ENSG00000251581	4.75	3.25 -0.5474877953
ENSG00000251595	54.75	36.75 -0.5751147148
ENSG00000251596	1.75	1.00 -0.8073549221
ENSG00000251609	0.75	0.75 0.0000000000
ENSG00000251614	0.25	0.50 1.0000000000

ENSG00000251630	0.25	0.50	1.0000000000
ENSG00000251634	15.75	4.25	-1.8898170822
ENSG00000251639	0.75	0.50	-0.5849625007
ENSG00000251664	0.25	1.00	2.0000000000
ENSG00000251667	0.75	0.75	0.0000000000
ENSG00000251669	62.75	35.25	-0.8319922016
ENSG00000251682	0.25	0.25	0.0000000000
ENSG00000251689	0.25	0.25	0.0000000000
ENSG00000251692	0.25	0.25	0.0000000000
ENSG00000253144	12.25	6.00	-1.0297473434
ENSG00000253159	1690.00	1375.00	-0.2975916279
ENSG00000253166	0.75	1.50	1.0000000000
ENSG00000253180	3.00	3.50	0.2223924213
ENSG00000253183	2.00	1.50	-0.4150374993
ENSG00000253219	0.25	0.25	0.0000000000
ENSG00000253223	0.50	0.50	0.0000000000
ENSG00000253250	96.50	91.50	-0.0767571990
ENSG00000253251	25.75	20.50	-0.3289485226
ENSG00000253273	1.00	0.75	-0.4150374993
ENSG00000253276	767.50	1373.00	0.8390929699
ENSG00000253293	3.25	2.75	-0.2410080995
ENSG00000253304	436.75	677.25	0.6328807853
ENSG00000253305	254.75	208.00	-0.2924986180
ENSG00000253309	2.25	2.75	0.2895066172
ENSG00000253313	0.75	1.00	0.4150374993
ENSG00000253326	7.50	3.25	-1.2064508775
ENSG00000253328	0.75	0.75	0.0000000000
ENSG00000253330	2.25	2.75	0.2895066172
ENSG00000253333	1.50	0.25	-2.5849625007
ENSG00000253336	0.50	0.50	0.0000000000
ENSG00000253341	0.50	0.25	-1.0000000000
ENSG00000253368	447.25	1614.25	1.8517106397
ENSG00000253384	1.75	4.00	1.1926450779
ENSG00000253457	0.25	0.25	0.0000000000
ENSG00000253483	1.50	1.75	0.2223924213
ENSG00000253485	185.00	167.00	-0.1476771680
ENSG00000253488	1.25	1.00	-0.3219280949
ENSG00000253520	6.75	4.75	-0.5069599887
ENSG00000253528	2.50	1.50	-0.7369655942
ENSG00000253537	431.75	375.25	-0.2023441059
ENSG00000253540	35.50	14.75	-1.2671040701
ENSG00000253541	4.50	11.75	1.3846638502
ENSG00000253542	1.25	0.75	-0.7369655942

ENSG00000253543	1.25	0.25 -2.3219280949
ENSG00000253558	2.25	2.25 0.0000000000
ENSG00000253598	5.75	2.75 -1.0641303374
ENSG00000253620	1.25	0.25 -2.3219280949
ENSG00000253621	0.50	0.50 0.0000000000
ENSG00000253623	4.50	3.25 -0.4694852833
ENSG00000253626	22.75	22.75 0.0000000000
ENSG00000253630	0.25	0.50 1.0000000000
ENSG00000253667	3.25	3.00 -0.1154772174
ENSG00000253676	1.00	0.75 -0.4150374993
ENSG00000253710	323.50	317.00 -0.0292828719
ENSG00000253719	1695.25	1545.50 -0.1334243904
ENSG00000253729	6025.25	5652.25 -0.0921958252
ENSG00000253731	273.75	237.00 -0.2079719056
ENSG00000253767	48.75	45.00 -0.1154772174
ENSG00000253771	21.75	15.75 -0.4656635723
ENSG00000253772	1.25	1.25 0.0000000000
ENSG00000253797	811.75	757.25 -0.1002658065
ENSG00000253816	50.00	28.50 -0.8109661756
ENSG00000253846	1092.75	892.50 -0.2920393039
ENSG00000253861	15.25	13.50 -0.1758498354
ENSG00000253873	753.25	717.25 -0.0706527048
ENSG00000253882	103.25	130.00 0.3323698416
ENSG00000253908	2.25	1.50 -0.5849625007
ENSG00000253910	378.50	337.00 -0.1675447088
ENSG00000253919	1.25	1.25 0.0000000000
ENSG00000253923	4.00	3.50 -0.1926450779
ENSG00000253934	1.75	0.25 -2.8073549221
ENSG00000253943	0.50	0.50 0.0000000000
ENSG00000253952	0.50	0.25 -1.0000000000
ENSG00000253953	575.50	449.50 -0.3564948126
ENSG00000253954	0.25	0.25 0.0000000000
ENSG00000253958	508.25	394.25 -0.3664275551
ENSG00000253971	0.50	0.75 0.5849625007
ENSG00000253981	8.00	8.00 0.0000000000
ENSG00000254004	523.25	376.75 -0.4738928947
ENSG00000254012	0.50	0.25 -1.0000000000
ENSG00000254016	1.25	0.75 -0.7369655942
ENSG00000254017	0.50	1.50 1.5849625007
ENSG00000254076	0.25	0.75 1.5849625007
ENSG00000254087	122.75	173.75 0.5012899533
ENSG00000254093	103.50	85.00 -0.2840960214
ENSG00000254122	2283.50	1965.25 -0.2165339399

ENSG00000254131	0.75	0.25 -1.5849625007
ENSG00000254132	0.25	0.50 1.0000000000
ENSG00000254152	0.25	0.25 0.0000000000
ENSG00000254198	14.00	13.75 -0.0259952085
ENSG00000254206	30.25	27.50 -0.1375035237
ENSG00000254213	0.75	0.25 -1.5849625007
ENSG00000254221	196.25	176.25 -0.1550693965
ENSG00000254229	7.00	5.50 -0.3479233034
ENSG00000254245	148.50	132.50 -0.1644705714
ENSG00000254285	0.75	1.75 1.2223924213
ENSG00000254294	0.25	1.25 2.3219280949
ENSG00000254332	0.50	3.25 2.7004397181
ENSG00000254352	2.75	5.25 0.9328858041
ENSG00000254402	14.50	12.75 -0.1855556532
ENSG00000254405	4.25	2.50 -0.7655347464
ENSG00000254413	20.00	27.00 0.4329594073
ENSG00000254415	1.50	0.25 -2.5849625007
ENSG00000254440	1.50	0.50 -1.5849625007
ENSG00000254441	1.00	0.25 -2.0000000000
ENSG00000254445	212.25	219.75 0.0500986116
ENSG00000254462	2.00	0.75 -1.4150374993
ENSG00000254463	2.50	1.50 -0.7369655942
ENSG00000254469	22.00	14.00 -0.6520766966
ENSG00000254470	292.00	442.75 0.6005239379
ENSG00000254472	0.50	0.25 -1.0000000000
ENSG00000254483	1.50	0.25 -2.5849625007
ENSG00000254500	0.25	0.25 0.0000000000
ENSG00000254503	4.75	4.50 -0.0780025120
ENSG00000254505	367.00	304.25 -0.2705228001
ENSG00000254506	5.50	15.50 1.4947646917
ENSG00000254507	2.00	2.00 0.0000000000
ENSG00000254509	5.00	4.25 -0.2344652536
ENSG00000254527	3.50	1.50 -1.2223924213
ENSG00000254535	31.50	18.25 -0.7874553646
ENSG00000254537	2.25	2.75 0.2895066172
ENSG00000254553	4.00	2.00 -1.0000000000
ENSG00000254565	0.25	0.25 0.0000000000
ENSG00000254579	3.00	0.75 -2.0000000000
ENSG00000254582	0.25	0.25 0.0000000000
ENSG00000254585	29.50	24.75 -0.2532864293
ENSG00000254593	1.25	0.50 -1.3219280949
ENSG00000254595	13.50	11.75 -0.2002986505
ENSG00000254598	1.75	1.50 -0.2223924213

ENSG00000254633	25.00	20.00 -0.3219280949
ENSG00000254634	7.00	6.25 -0.1634987323
ENSG00000254636	0.25	0.25 0.0000000000
ENSG00000254656	2.50	2.00 -0.3219280949
ENSG00000254667	1.50	1.75 0.2223924213
ENSG00000254673	44.50	30.00 -0.5688428354
ENSG00000254681	457.00	646.00 0.4993399996
ENSG00000254685	309.25	295.25 -0.0668365356
ENSG00000254692	371.00	407.25 0.1344955119
ENSG00000254701	11.75	1.50 -2.9696263510
ENSG00000254706	0.50	1.25 1.3219280949
ENSG00000254715	2.75	4.50 0.7104933828
ENSG00000254717	1.25	1.50 0.2630344058
ENSG00000254726	79.50	24.50 -1.6981731112
ENSG00000254732	4.75	3.25 -0.5474877953
ENSG00000254743	1.25	1.50 0.2630344058
ENSG00000254759	6.25	3.25 -0.9434164716
ENSG00000254772	35522.50	30683.25 -0.2112818165
ENSG00000254778	10.50	2.50 -2.0703893279
ENSG00000254783	7.25	5.50 -0.3985493765
ENSG00000254788	18.75	21.00 0.1634987323
ENSG00000254792	3.25	3.75 0.2064508775
ENSG00000254793	0.25	0.50 1.0000000000
ENSG00000254806	45.50	16.50 -1.4634005208
ENSG00000254811	3.50	1.75 -1.0000000000
ENSG00000254818	5.00	2.75 -0.8624964763
ENSG00000254827	20.75	11.50 -0.8514774753
ENSG00000254838	10.75	17.00 0.6611980865
ENSG00000254840	1.25	1.50 0.2630344058
ENSG00000254843	3.50	2.25 -0.6374299206
ENSG00000254852	14.25	8.00 -0.8328900142
ENSG00000254858	114.00	145.25 0.3495043392
ENSG00000254866	7.75	6.00 -0.3692338097
ENSG00000254870	1.00	1.75 0.8073549221
ENSG00000254875	4.50	0.50 -3.1699250014
ENSG00000254893	1.50	4.50 1.5849625007
ENSG00000254901	238.50	194.25 -0.2960746676
ENSG00000254909	4.50	2.50 -0.8479969066
ENSG00000254912	4.00	3.50 -0.1926450779
ENSG00000254923	0.50	0.25 -1.0000000000
ENSG00000254941	13.25	11.00 -0.2684888359
ENSG00000254944	13.25	6.50 -1.0274807364
ENSG00000254959	12.25	27.50 1.1666498694

ENSG00000254962	3.25	4.50	0.4694852833
ENSG00000254965	0.25	0.25	0.0000000000
ENSG00000254974	0.75	0.25	-1.5849625007
ENSG00000254978	3.00	2.25	-0.4150374993
ENSG00000254979	10.00	6.50	-0.6214883767
ENSG00000254984	0.75	0.75	0.0000000000
ENSG00000254986	684.25	853.50	0.3188676237
ENSG00000254995	13.00	15.25	0.2302976194
ENSG00000254996	1077.25	783.25	-0.4598083287
ENSG00000254997	2.75	1.00	-1.4594316186
ENSG00000254999	2447.75	2299.75	-0.0899791785
ENSG00000255000	1.25	0.50	-1.3219280949
ENSG00000255010	0.75	0.25	-1.5849625007
ENSG00000255035	0.25	0.25	0.0000000000
ENSG00000255040	0.25	0.50	1.0000000000
ENSG00000255051	0.25	0.50	1.0000000000
ENSG00000255054	0.50	1.75	1.8073549221
ENSG00000255057	0.50	0.25	-1.0000000000
ENSG00000255072	4.25	5.00	0.2344652536
ENSG00000255073	3.75	7.25	0.9510903995
ENSG00000255074	0.75	0.75	0.0000000000
ENSG00000255085	1.75	0.50	-1.8073549221
ENSG00000255111	12.50	10.75	-0.2175914351
ENSG00000255112	1125.00	1169.75	0.0562752273
ENSG00000255115	1.75	0.75	-1.2223924213
ENSG00000255122	1.25	1.50	0.2630344058
ENSG00000255150	34.25	34.75	0.0209089898
ENSG00000255152	1.00	1.00	0.0000000000
ENSG00000255154	75.25	70.75	-0.0889614339
ENSG00000255155	0.25	0.25	0.0000000000
ENSG00000255185	84.00	77.00	-0.1255308821
ENSG00000255199	0.75	1.00	0.4150374993
ENSG00000255200	23.00	19.00	-0.2756344426
ENSG00000255203	0.75	0.50	-0.5849625007
ENSG00000255251	0.25	0.25	0.0000000000
ENSG00000255266	0.25	0.25	0.0000000000
ENSG00000255275	1.00	0.50	-1.0000000000
ENSG00000255277	8.25	4.50	-0.8744691179
ENSG00000255282	3.25	3.25	0.0000000000
ENSG00000255283	2.75	0.75	-1.8744691179
ENSG00000255291	0.25	0.25	0.0000000000
ENSG00000255292	5.50	5.50	0.0000000000
ENSG00000255302	4882.50	3927.25	-0.3141006044

ENSG00000255303	0.75	0.25 -1.5849625007
ENSG00000255305	1.75	2.25 0.3625700794
ENSG00000255319	9.25	3.00 -1.6244908649
ENSG00000255329	0.25	0.25 0.0000000000
ENSG00000255330	65.50	100.75 0.6212130270
ENSG00000255339	42.25	36.50 -0.2110548774
ENSG00000255342	1.25	1.00 -0.3219280949
ENSG00000255346	71.25	41.75 -0.7711138166
ENSG00000255378	0.25	0.25 0.0000000000
ENSG00000255397	1.50	0.75 -1.0000000000
ENSG00000255408	11.75	12.50 0.0892673381
ENSG00000255419	5.00	4.25 -0.2344652536
ENSG00000255423	13.25	12.50 -0.0840642648
ENSG00000255432	1.75	0.75 -1.2223924213
ENSG00000255439	66.50	53.00 -0.3273619809
ENSG00000255445	4.50	2.25 -1.0000000000
ENSG00000255459	2.25	2.50 0.1520030934
ENSG00000255508	278.25	145.00 -0.9403287873
ENSG00000255513	1.50	1.75 0.2223924213
ENSG00000255524	1.00	1.25 0.3219280949
ENSG00000255526	14.50	9.00 -0.6880559937
ENSG00000255529	1707.75	1406.25 -0.2802436959
ENSG00000255530	0.25	0.50 1.0000000000
ENSG00000255538	1.00	0.50 -1.0000000000
ENSG00000255561	46.75	33.25 -0.4916120244
ENSG00000255562	0.25	0.50 1.0000000000
ENSG00000255563	0.75	0.50 -0.5849625007
ENSG00000255566	1.50	1.00 -0.5849625007
ENSG00000255583	1.25	0.25 -2.3219280949
ENSG00000255585	7.50	8.75 0.2223924213
ENSG00000255587	3.50	1.25 -1.4854268272
ENSG00000255622	0.75	0.50 -0.5849625007
ENSG00000255624	2.25	1.50 -0.5849625007
ENSG00000255639	42.25	35.75 -0.2410080995
ENSG00000255642	72.50	48.00 -0.5949465893
ENSG00000255663	3.00	1.25 -1.2630344058
ENSG00000255690	16.00	7.50 -1.0931094044
ENSG00000255710	2.75	1.25 -1.1375035237
ENSG00000255730	203.00	210.75 0.0540529038
ENSG00000255757	36.00	29.50 -0.2872819521
ENSG00000255767	26.50	20.25 -0.3880704517
ENSG00000255769	22.75	24.75 0.1215619799
ENSG00000255823	10631.00	9890.75 -0.1041254821

ENSG00000255835	2.25	2.25	0.0000000000
ENSG00000255836	8.00	3.75	-1.0931094044
ENSG00000255837	1.75	1.75	0.0000000000
ENSG00000255872	3.00	1.25	-1.2630344058
ENSG00000255967	0.50	3.00	2.5849625007
ENSG00000255974	15.50	7.25	-1.0962153153
ENSG00000255986	1.75	7.00	2.0000000000
ENSG00000256021	0.50	0.25	-1.0000000000
ENSG00000256029	7.00	2.00	-1.8073549221
ENSG00000256030	1.50	1.50	0.0000000000
ENSG00000256037	0.25	0.25	0.0000000000
ENSG00000256043	1040.75	1024.25	-0.0230556657
ENSG00000256045	964.00	843.00	-0.1935005153
ENSG00000256053	351.25	327.75	-0.0999024449
ENSG00000256056	0.75	0.50	-0.5849625007
ENSG00000256060	86.00	83.75	-0.0382474694
ENSG00000256061	56.00	30.75	-0.8648404167
ENSG00000256069	9.75	5.00	-0.9634741240
ENSG00000256087	249.25	210.00	-0.2472041767
ENSG00000256134	0.50	0.50	0.0000000000
ENSG00000256148	0.50	1.00	1.0000000000
ENSG00000256162	2.25	1.75	-0.3625700794
ENSG00000256167	0.50	0.50	0.0000000000
ENSG00000256188	1.00	1.00	0.0000000000
ENSG00000256206	5.50	2.50	-1.1375035237
ENSG00000256211	0.25	0.25	0.0000000000
ENSG00000256222	2.00	0.50	-2.0000000000
ENSG00000256223	245.50	130.50	-0.9116732177
ENSG00000256229	141.00	118.75	-0.2477676492
ENSG00000256235	705.25	1581.25	1.1648588139
ENSG00000256238	2.25	1.50	-0.5849625007
ENSG00000256269	92.25	86.50	-0.0928487784
ENSG00000256282	7.25	4.75	-0.6100534817
ENSG00000256294	224.25	174.75	-0.3598155295
ENSG00000256304	7.75	3.75	-1.0473057148
ENSG00000256338	2.25	5.50	1.2895066172
ENSG00000256340	28.25	8.75	-1.6908959455
ENSG00000256349	9.75	9.75	0.0000000000
ENSG00000256351	0.75	0.50	-0.5849625007
ENSG00000256361	0.25	0.50	1.0000000000
ENSG00000256379	22.25	20.00	-0.1538053361
ENSG00000256407	1.25	0.25	-2.3219280949
ENSG00000256436	0.25	0.75	1.5849625007

ENSG00000256453	1.50	0.50 -1.5849625007
ENSG00000256464	2.00	2.50 0.3219280949
ENSG00000256500	390.75	297.00 -0.3957829422
ENSG00000256514	263.25	240.50 -0.1303966373
ENSG00000256525	128.00	118.25 -0.1143036267
ENSG00000256533	1.25	1.50 0.2630344058
ENSG00000256537	496.75	491.50 -0.0153285509
ENSG00000256552	1.50	1.50 0.0000000000
ENSG00000256566	6.25	3.75 -0.7369655942
ENSG00000256589	0.50	0.75 0.5849625007
ENSG00000256591	254.50	264.75 0.0569650279
ENSG00000256594	100.00	89.00 -0.1681227588
ENSG00000256612	21.50	11.00 -0.9668331361
ENSG00000256616	22.25	6.00 -1.8907709302
ENSG00000256618	7293.25	6626.75 -0.1382603545
ENSG00000256625	2.25	1.00 -1.1699250014
ENSG00000256646	462.00	421.00 -0.1340726183
ENSG00000256651	1.00	0.50 -1.0000000000
ENSG00000256663	0.50	1.75 1.8073549221
ENSG00000256664	140.50	73.50 -0.9347539754
ENSG00000256667	76.25	40.75 -0.9039372782
ENSG00000256671	25.00	42.25 0.7570232465
ENSG00000256683	201.00	160.50 -0.3246222041
ENSG00000256713	13.25	4.00 -1.7279204546
ENSG00000256720	0.50	0.25 -1.0000000000
ENSG00000256771	94.25	68.00 -0.4709578720
ENSG00000256804	0.25	0.25 0.0000000000
ENSG00000256812	1.00	0.75 -0.4150374993
ENSG00000256827	0.75	0.75 0.0000000000
ENSG00000256861	4.00	42.75 3.4178525149
ENSG00000256892	1.00	0.75 -0.4150374993
ENSG00000256898	0.50	1.00 1.0000000000
ENSG00000256902	0.50	1.50 1.5849625007
ENSG00000256950	1.00	0.50 -1.0000000000
ENSG00000256966	12.50	8.25 -0.5994620704
ENSG00000256977	36.50	32.75 -0.1564015573
ENSG00000256980	1.50	1.00 -0.5849625007
ENSG00000256987	2.00	2.00 0.0000000000
ENSG00000257017	5.00	6.75 0.4329594073
ENSG00000257037	1.25	0.50 -1.3219280949
ENSG00000257043	1.00	1.25 0.3219280949
ENSG00000257074	0.25	0.25 0.0000000000
ENSG00000257087	0.25	0.25 0.0000000000

ENSG00000257093	260.25	193.75	-0.4257018531
ENSG00000257101	1.75	0.75	-1.2223924213
ENSG00000257103	57.50	29.50	-0.9628470016
ENSG00000257108	29.50	26.75	-0.1411760630
ENSG00000257122	73.75	79.25	0.1037678859
ENSG00000257127	3.50	2.25	-0.6374299206
ENSG00000257150	2.00	10.25	2.3575520046
ENSG00000257198	3.00	0.50	-2.5849625007
ENSG00000257207	18.75	27.00	0.5260688117
ENSG00000257218	543.25	578.25	0.0900770915
ENSG00000257243	1.50	0.25	-2.5849625007
ENSG00000257246	0.75	2.00	1.4150374993
ENSG00000257267	753.75	661.50	-0.1883449405
ENSG00000257307	2.00	2.25	0.1699250014
ENSG00000257315	749.75	713.00	-0.0725075404
ENSG00000257332	0.25	0.25	0.0000000000
ENSG00000257341	0.50	0.25	-1.0000000000
ENSG00000257365	407.00	335.50	-0.2787160281
ENSG00000257376	0.25	0.50	1.0000000000
ENSG00000257384	0.50	0.25	-1.0000000000
ENSG00000257390	10.50	36.00	1.7776075787
ENSG00000257403	0.50	0.75	0.5849625007
ENSG00000257411	8.50	11.00	0.3719687774
ENSG00000257446	2.00	2.50	0.3219280949
ENSG00000257489	7.75	6.00	-0.3692338097
ENSG00000257501	3.50	3.00	-0.2223924213
ENSG00000257511	13.00	9.50	-0.4525122047
ENSG00000257512	5.50	6.75	0.2954558835
ENSG00000257529	46.00	26.75	-0.7820949697
ENSG00000257531	0.25	0.50	1.0000000000
ENSG00000257539	1.25	0.75	-0.7369655942
ENSG00000257542	174.25	224.75	0.3671624596
ENSG00000257576	2.00	1.00	-1.0000000000
ENSG00000257591	32.25	20.75	-0.6361878241
ENSG00000257594	348.75	370.75	0.0882534757
ENSG00000257624	0.25	0.25	0.0000000000
ENSG00000257645	0.75	1.00	0.4150374993
ENSG00000257664	0.50	0.50	0.0000000000
ENSG00000257704	138.75	133.00	-0.0610615257
ENSG00000257727	651.25	543.75	-0.2602679715
ENSG00000257752	1.50	3.00	1.0000000000
ENSG00000257763	0.50	0.75	0.5849625007
ENSG00000257767	137.00	198.25	0.5331449727

ENSG00000257773	1.00	1.50	0.5849625007
ENSG00000257790	1.25	2.00	0.6780719051
ENSG00000257800	16.25	9.00	-0.8524428116
ENSG00000257802	0.25	0.25	0.0000000000
ENSG00000257818	0.75	0.25	-1.5849625007
ENSG00000257838	0.50	0.25	-1.0000000000
ENSG00000257851	1.00	0.50	-1.0000000000
ENSG00000257875	1.00	1.25	0.3219280949
ENSG00000257896	6.25	7.00	0.1634987323
ENSG00000257907	1.25	1.00	-0.3219280949
ENSG00000257915	0.25	0.25	0.0000000000
ENSG00000257921	6.75	5.75	-0.2313255461
ENSG00000257923	3437.50	3540.50	0.0425934029
ENSG00000257941	2.25	1.75	-0.3625700794
ENSG00000257949	224.75	183.00	-0.2964774672
ENSG00000257950	30.00	39.50	0.3968901526
ENSG00000257956	0.75	0.50	-0.5849625007
ENSG00000257966	21.00	14.00	-0.5849625007
ENSG00000258012	0.75	0.25	-1.5849625007
ENSG00000258033	0.25	0.25	0.0000000000
ENSG00000258064	10.75	18.25	0.7635598042
ENSG00000258080	2.50	0.75	-1.7369655942
ENSG00000258090	0.25	0.25	0.0000000000
ENSG00000258102	74.25	78.00	0.0710830981
ENSG00000258128	3.25	1.50	-1.1154772174
ENSG00000258130	64.25	35.50	-0.8558774297
ENSG00000258142	5.75	1.25	-2.2016338612
ENSG00000258150	8.75	9.25	0.0801703487
ENSG00000258153	0.25	0.25	0.0000000000
ENSG00000258186	2.00	0.25	-3.0000000000
ENSG00000258230	4.25	2.00	-1.0874628413
ENSG00000258233	1.25	1.75	0.4854268272
ENSG00000258284	0.75	0.25	-1.5849625007
ENSG00000258289	1782.75	1819.00	0.0290411390
ENSG00000258300	1.00	1.50	0.5849625007
ENSG00000258311	278.75	167.25	-0.7369655942
ENSG00000258315	850.25	778.00	-0.1281169457
ENSG00000258359	1.75	1.75	0.0000000000
ENSG00000258366	307.00	211.00	-0.5409956567
ENSG00000258367	5.75	8.00	0.4764380439
ENSG00000258375	1.75	1.75	0.0000000000
ENSG00000258385	0.25	0.25	0.0000000000
ENSG00000258388	14.00	13.00	-0.1069152039

ENSG00000258405	44.50	33.25 -0.4204509955
ENSG00000258417	0.75	0.75 0.0000000000
ENSG00000258429	37.00	33.75 -0.1326377686
ENSG00000258439	1.00	1.25 0.3219280949
ENSG00000258465	119.75	83.00 -0.5288424144
ENSG00000258466	3.00	2.25 -0.4150374993
ENSG00000258469	0.25	0.25 0.0000000000
ENSG00000258472	47.75	44.00 -0.1179972094
ENSG00000258484	96.50	112.00 0.2148978848
ENSG00000258500	7.25	6.25 -0.2141248054
ENSG00000258501	0.50	0.50 0.0000000000
ENSG00000258524	1.75	0.50 -1.8073549221
ENSG00000258527	0.25	0.25 0.0000000000
ENSG00000258529	2.50	2.50 0.0000000000
ENSG00000258539	8.50	5.75 -0.5639008852
ENSG00000258555	26.50	23.75 -0.1580648462
ENSG00000258563	0.25	0.25 0.0000000000
ENSG00000258565	0.25	0.25 0.0000000000
ENSG00000258568	15.25	14.50 -0.0727563424
ENSG00000258571	0.50	0.50 0.0000000000
ENSG00000258581	0.75	0.25 -1.5849625007
ENSG00000258590	2.75	2.75 0.0000000000
ENSG00000258591	1.50	1.25 -0.2630344058
ENSG00000258611	0.50	1.00 1.0000000000
ENSG00000258628	2.25	0.50 -2.1699250014
ENSG00000258643	224.75	231.00 0.0395717359
ENSG00000258644	85.00	75.50 -0.1709861968
ENSG00000258648	3.50	1.75 -1.0000000000
ENSG00000258653	13.00	13.50 0.0544477840
ENSG00000258656	2.25	1.75 -0.3625700794
ENSG00000258659	258.00	206.50 -0.3212292840
ENSG00000258674	50.25	45.50 -0.1432570510
ENSG00000258677	21.50	23.00 0.0972972014
ENSG00000258679	9.25	6.00 -0.6244908649
ENSG00000258684	10.00	10.75 0.1043366598
ENSG00000258691	76.25	23.25 -1.7135066213
ENSG00000258741	0.25	3.50 3.8073549221
ENSG00000258769	4.75	1.50 -1.6629650127
ENSG00000258778	1.75	2.00 0.1926450779
ENSG00000258788	5.25	1.25 -2.0703893279
ENSG00000258790	55.50	44.75 -0.3106000891
ENSG00000258818	560.50	902.50 0.6872125590
ENSG00000258830	14.50	23.25 0.6811778160

ENSG00000258838	96.25	81.25 -0.2444187277
ENSG00000258839	178.50	163.50 -0.1266334385
ENSG00000258846	0.50	0.25 -1.0000000000
ENSG00000258870	1.50	0.50 -1.5849625007
ENSG00000258873	1.50	1.00 -0.5849625007
ENSG00000258881	19.75	19.00 -0.0558532347
ENSG00000258890	408.25	356.00 -0.1975756446
ENSG00000258896	2.50	2.00 -0.3219280949
ENSG00000258900	5.75	3.25 -0.8231222379
ENSG00000258917	0.75	0.50 -0.5849625007
ENSG00000258930	0.25	0.25 0.0000000000
ENSG00000258932	2.50	2.25 -0.1520030934
ENSG00000258947	823.00	284.50 -1.5324637781
ENSG00000258951	0.50	0.50 0.0000000000
ENSG00000258960	0.75	0.50 -0.5849625007
ENSG00000258967	3.75	6.00 0.6780719051
ENSG00000258973	0.75	1.50 1.0000000000
ENSG00000258984	22.00	17.50 -0.3301486017
ENSG00000258988	0.25	0.25 0.0000000000
ENSG00000258989	38.25	38.25 0.0000000000
ENSG00000259015	0.25	0.75 1.5849625007
ENSG00000259024	155.50	100.25 -0.6333123437
ENSG00000259030	97.00	81.50 -0.2511846880
ENSG00000259040	118.75	167.75 0.4983852530
ENSG00000259045	1.50	1.25 -0.2630344058
ENSG00000259066	2.50	1.75 -0.5145731728
ENSG00000259075	22.75	17.00 -0.4203317989
ENSG00000259096	0.25	0.25 0.0000000000
ENSG00000259098	21.00	13.00 -0.6918777046
ENSG00000259100	0.25	0.25 0.0000000000
ENSG00000259120	0.50	0.25 -1.0000000000
ENSG00000259122	0.50	0.50 0.0000000000
ENSG00000259132	48.25	46.25 -0.0610755768
ENSG00000259151	0.75	0.25 -1.5849625007
ENSG00000259155	0.75	0.50 -0.5849625007
ENSG00000259156	0.75	0.50 -0.5849625007
ENSG00000259165	2.75	1.00 -1.4594316186
ENSG00000259171	695.00	1036.25 0.5762872188
ENSG00000259191	0.25	0.25 0.0000000000
ENSG00000259192	3.00	2.00 -0.5849625007
ENSG00000259205	6.75	7.25 0.1030934930
ENSG00000259207	181.25	229.25 0.3389407387
ENSG00000259224	2.00	1.75 -0.1926450779

ENSG00000259228	0.25	0.25	0.0000000000
ENSG00000259232	0.25	0.25	0.0000000000
ENSG00000259236	15.25	10.25	-0.5731853329
ENSG00000259257	0.25	0.50	1.0000000000
ENSG00000259271	0.50	0.75	0.5849625007
ENSG00000259295	400.00	280.25	-0.5132856270
ENSG00000259305	22.25	20.50	-0.1181814263
ENSG00000259308	0.25	0.50	1.0000000000
ENSG00000259315	6.75	5.25	-0.3625700794
ENSG00000259316	5.25	3.00	-0.8073549221
ENSG00000259318	16.00	9.25	-0.7905466344
ENSG00000259332	55.75	61.00	0.1298374376
ENSG00000259335	0.25	0.25	0.0000000000
ENSG00000259371	1.75	0.75	-1.2223924213
ENSG00000259378	1.25	0.50	-1.3219280949
ENSG00000259381	4.00	4.00	0.0000000000
ENSG00000259388	0.50	0.50	0.0000000000
ENSG00000259392	4.25	1.50	-1.5025003405
ENSG00000259397	1.75	1.25	-0.4854268272
ENSG00000259399	69.00	37.00	-0.8990710911
ENSG00000259405	0.75	0.50	-0.5849625007
ENSG00000259414	2.00	1.50	-0.4150374993
ENSG00000259419	0.25	0.25	0.0000000000
ENSG00000259425	0.25	0.50	1.0000000000
ENSG00000259429	12.00	7.25	-0.7269815056
ENSG00000259431	371.75	281.50	-0.4011978200
ENSG00000259433	0.25	0.25	0.0000000000
ENSG00000259479	58.25	59.00	0.0184569047
ENSG00000259494	249.25	251.50	0.0129648954
ENSG00000259502	1.50	0.50	-1.5849625007
ENSG00000259511	11.25	12.25	0.1228567478
ENSG00000259516	1.00	1.00	0.0000000000
ENSG00000259522	54.25	28.25	-0.9413722700
ENSG00000259529	27.00	23.75	-0.1850318938
ENSG00000259531	1.00	0.75	-0.4150374993
ENSG00000259538	0.50	1.50	1.5849625007
ENSG00000259556	2.00	1.50	-0.4150374993
ENSG00000259562	20.75	13.50	-0.6201519292
ENSG00000259570	1.50	0.75	-1.0000000000
ENSG00000259571	0.75	1.25	0.7369655942
ENSG00000259581	0.25	0.25	0.0000000000
ENSG00000259592	0.25	0.25	0.0000000000
ENSG00000259612	4.75	2.75	-0.7884958948

ENSG00000259614	1.25	2.00	0.6780719051
ENSG00000259619	2.25	1.00	-1.1699250014
ENSG00000259648	0.50	1.00	1.0000000000
ENSG00000259657	1.50	0.75	-1.0000000000
ENSG00000259660	514.75	280.75	-0.8745859022
ENSG00000259677	1.00	0.50	-1.0000000000
ENSG00000259683	19.50	18.50	-0.0759488532
ENSG00000259699	2.25	1.50	-0.5849625007
ENSG00000259706	1.25	1.25	0.0000000000
ENSG00000259726	153.50	94.50	-0.6998524211
ENSG00000259728	65.75	69.00	0.0696054675
ENSG00000259738	0.75	0.50	-0.5849625007
ENSG00000259746	1.25	1.00	-0.3219280949
ENSG00000259751	1.00	0.75	-0.4150374993
ENSG00000259753	6.75	6.50	-0.0544477840
ENSG00000259781	558.75	422.25	-0.4041055033
ENSG00000259790	0.50	0.25	-1.0000000000
ENSG00000259803	0.50	1.50	1.5849625007
ENSG00000259823	1.25	2.00	0.6780719051
ENSG00000259845	4.25	2.00	-1.0874628413
ENSG00000259848	166.00	157.00	-0.0804186825
ENSG00000259856	13.75	18.75	0.4474589770
ENSG00000259900	0.25	0.50	1.0000000000
ENSG00000259904	2.00	1.50	-0.4150374993
ENSG00000259917	4.50	2.75	-0.7104933828
ENSG00000259924	0.75	0.50	-0.5849625007
ENSG00000259948	16.25	29.25	0.8479969066
ENSG00000259956	1998.75	1596.25	-0.3244114138
ENSG00000259982	2.50	1.75	-0.5145731728
ENSG00000259984	1.75	2.50	0.5145731728
ENSG00000260001	13.50	14.25	0.0780025120
ENSG00000260012	1.25	0.50	-1.3219280949
ENSG00000260027	72.25	74.50	0.0442428380
ENSG00000260062	7.00	8.25	0.2370391973
ENSG00000260075	8.00	3.25	-1.2995602819
ENSG00000260078	11.00	9.75	-0.1740293998
ENSG00000260082	0.75	1.25	0.7369655942
ENSG00000260097	17.25	8.50	-1.0210616155
ENSG00000260103	69.50	57.00	-0.2860510586
ENSG00000260105	3.50	1.00	-1.8073549221
ENSG00000260112	3.00	2.50	-0.2630344058
ENSG00000260128	2.25	2.50	0.1520030934
ENSG00000260139	2.50	0.25	-3.3219280949

ENSG00000260144	0.50	1.25	1.3219280949
ENSG00000260170	1.75	10.00	2.5145731728
ENSG00000260211	0.25	0.25	0.0000000000
ENSG00000260230	78.00	38.50	-1.0186156782
ENSG00000260238	54.00	46.25	-0.2235060416
ENSG00000260258	0.25	0.25	0.0000000000
ENSG00000260266	21.75	25.00	0.2009126939
ENSG00000260298	0.25	0.25	0.0000000000
ENSG00000260300	18.25	18.25	0.0000000000
ENSG00000260318	0.25	0.50	1.0000000000
ENSG00000260325	3.25	4.75	0.5474877953
ENSG00000260326	2.00	0.25	-3.0000000000
ENSG00000260342	66.75	13.25	-2.3327754771
ENSG00000260357	4.50	2.75	-0.7104933828
ENSG00000260371	9.50	4.50	-1.0780025120
ENSG00000260382	0.25	0.25	0.0000000000
ENSG00000260404	219.75	188.50	-0.2212986419
ENSG00000260410	0.25	0.25	0.0000000000
ENSG00000260413	4.25	2.50	-0.7655347464
ENSG00000260428	9.00	9.50	0.0780025120
ENSG00000260452	0.25	0.25	0.0000000000
ENSG00000260456	32.25	59.25	0.8775159935
ENSG00000260490	1.50	1.75	0.2223924213
ENSG00000260494	0.25	0.25	0.0000000000
ENSG00000260518	3.25	1.50	-1.1154772174
ENSG00000260521	0.75	0.75	0.0000000000
ENSG00000260537	155.75	129.25	-0.2690678827
ENSG00000260549	58.50	99.75	0.7698802166
ENSG00000260571	1.25	0.25	-2.3219280949
ENSG00000260576	0.25	0.25	0.0000000000
ENSG00000260596	3.75	1.75	-1.0995356736
ENSG00000260615	2.00	2.00	0.0000000000
ENSG00000260622	1.00	1.75	0.8073549221
ENSG00000260628	21.00	25.75	0.2941831044
ENSG00000260644	24.00	19.25	-0.3181759600
ENSG00000260685	1.00	0.25	-2.0000000000
ENSG00000260689	2.00	1.75	-0.1926450779
ENSG00000260691	2.00	0.75	-1.4150374993
ENSG00000260714	2.75	3.75	0.4474589770
ENSG00000260727	1.50	0.50	-1.5849625007
ENSG00000260729	35.75	51.50	0.5266291904
ENSG00000260776	2.75	2.00	-0.4594316186
ENSG00000260784	0.25	0.25	0.0000000000

ENSG00000260818	0.50	0.75	0.5849625007
ENSG00000260844	0.50	1.25	1.3219280949
ENSG00000260851	1.25	0.50	-1.3219280949
ENSG00000260861	9.50	5.75	-0.7243655574
ENSG00000260882	4.25	2.25	-0.9175378398
ENSG00000260908	8.00	25.25	1.6582114828
ENSG00000260909	0.25	0.25	0.0000000000
ENSG00000260914	482.50	658.50	0.4486544981
ENSG00000260916	3510.75	3209.00	-0.1296554762
ENSG00000261011	25.25	14.25	-0.8253214686
ENSG00000261052	235.00	218.75	-0.1033777398
ENSG00000261056	9.25	8.00	-0.2094533656
ENSG00000261089	1.25	0.75	-0.7369655942
ENSG00000261115	31.00	32.00	0.0458036896
ENSG00000261127	0.75	1.25	0.7369655942
ENSG00000261130	0.50	0.50	0.0000000000
ENSG00000261143	8.50	11.25	0.4043902551
ENSG00000261147	8.25	6.50	-0.3439544012
ENSG00000261150	2.75	3.00	0.1255308821
ENSG00000261205	1.50	1.25	-0.2630344058
ENSG00000261221	280.75	243.75	-0.2038838038
ENSG00000261236	340.50	375.00	0.1392357974
ENSG00000261239	11.75	6.75	-0.7997013495
ENSG00000261247	13.00	10.00	-0.3785116233
ENSG00000261259	2.00	0.50	-2.0000000000
ENSG00000261279	17.00	14.25	-0.2545728271
ENSG00000261303	2.25	1.00	-1.1699250014
ENSG00000261308	3.00	1.00	-1.5849625007
ENSG00000261349	2.75	1.25	-1.1375035237
ENSG00000261371	27.00	11.50	-1.2313255461
ENSG00000261375	4.25	2.50	-0.7655347464
ENSG00000261377	11.75	11.75	0.0000000000
ENSG00000261401	0.50	1.50	1.5849625007
ENSG00000261405	3.00	1.25	-1.2630344058
ENSG00000261408	56.75	65.50	0.2068745142
ENSG00000261419	0.25	0.25	0.0000000000
ENSG00000261427	1.50	0.75	-1.0000000000
ENSG00000261457	0.25	0.25	0.0000000000
ENSG00000261459	21.75	16.25	-0.4205756828
ENSG00000261461	0.75	0.75	0.0000000000
ENSG00000261499	0.50	0.50	0.0000000000
ENSG00000261528	0.75	0.50	-0.5849625007
ENSG00000261556	68.00	36.25	-0.9075537512

ENSG00000261557	3.00	3.00	0.0000000000
ENSG00000261575	1.25	0.50	-1.3219280949
ENSG00000261581	1.75	0.25	-2.8073549221
ENSG00000261582	14.75	15.75	0.0946368741
ENSG00000261587	4.00	1.50	-1.4150374993
ENSG00000261588	0.25	0.25	0.0000000000
ENSG00000261594	0.50	1.00	1.0000000000
ENSG00000261599	23.50	20.00	-0.2326607568
ENSG00000261609	182.00	214.25	0.2353567539
ENSG00000261611	12.50	25.75	1.0426443374
ENSG00000261649	2.25	2.75	0.2895066172
ENSG00000261652	24.50	14.25	-0.7818198300
ENSG00000261678	1.25	0.50	-1.3219280949
ENSG00000261708	0.50	0.75	0.5849625007
ENSG00000261732	42.25	30.75	-0.4583649309
ENSG00000261739	8.25	12.75	0.6280312226
ENSG00000261740	238.75	210.75	-0.1799681020
ENSG00000261741	0.25	0.25	0.0000000000
ENSG00000261776	1.25	1.25	0.0000000000
ENSG00000261782	0.50	1.75	1.8073549221
ENSG00000261787	2.50	3.00	0.2630344058
ENSG00000261794	7.25	9.25	0.3514723705
ENSG00000261796	721.50	627.00	-0.2025339517
ENSG00000261819	6.00	6.50	0.1154772174
ENSG00000261832	4.25	9.00	1.0824621602
ENSG00000261835	2.00	0.75	-1.4150374993
ENSG00000261857	0.50	0.75	0.5849625007
ENSG00000261862	0.75	4.00	2.4150374993
ENSG00000261884	28.00	56.75	1.0191935652
ENSG00000261893	346.25	316.00	-0.1318895128
ENSG00000261905	44.00	41.75	-0.0757273262
ENSG00000261934	171.00	161.25	-0.0846971646
ENSG00000261970	2.25	1.00	-1.1699250014
ENSG00000261984	6.00	4.00	-0.5849625007
ENSG00000261992	373.25	305.00	-0.2913330177
ENSG00000262024	124.25	97.00	-0.3571891994
ENSG00000262096	8.25	7.00	-0.2370391973
ENSG00000262102	2563.00	2151.50	-0.2524906383
ENSG00000262111	1.00	1.00	0.0000000000
ENSG00000262118	3.75	2.75	-0.4474589770
ENSG00000262139	4.75	10.25	1.1096244912
ENSG00000262140	1.25	2.25	0.8479969066
ENSG00000262145	65.75	49.00	-0.4242091452

ENSG00000262180	3.50	3.75	0.0995356736
ENSG00000262209	353.50	285.50	-0.3082194694
ENSG00000262243	664.00	626.75	-0.0832931505
ENSG00000262246	103.50	144.50	0.4814387250
ENSG00000262248	1.50	1.00	-0.5849625007
ENSG00000262299	0.50	0.50	0.0000000000
ENSG00000262302	0.75	2.00	1.4150374993
ENSG00000262304	18.75	14.00	-0.4214637684
ENSG00000262316	1.00	0.25	-2.0000000000
ENSG00000262327	86.00	87.00	0.0166787411
ENSG00000262333	6.25	6.00	-0.0588936891
ENSG00000262334	9.00	10.50	0.2223924213
ENSG00000262406	2.75	1.00	-1.4594316186
ENSG00000262418	10.00	9.25	-0.1124747293
ENSG00000262435	167.50	132.25	-0.3408933732
ENSG00000262446	136.25	103.50	-0.3966254622
ENSG00000262461	5.25	2.00	-1.3923174228
ENSG00000262473	23.00	37.50	0.7052567344
ENSG00000262481	11.50	10.00	-0.2016338612
ENSG00000262484	0.25	0.50	1.0000000000
ENSG00000262497	0.25	0.25	0.0000000000
ENSG00000262554	0.75	0.25	-1.5849625007
ENSG00000262576	692.00	665.25	-0.0568754326
ENSG00000262583	3.75	2.75	-0.4474589770
ENSG00000262587	13.75	8.00	-0.7813597135
ENSG00000262599	260.25	193.75	-0.4257018531
ENSG00000262607	1.00	1.00	0.0000000000
ENSG00000262621	40.00	52.75	0.3991710938
ENSG00000262633	2.75	0.50	-2.4594316186
ENSG00000262634	20.00	10.75	-0.8956633402
ENSG00000262635	19.00	9.25	-1.0384741478
ENSG00000262636	0.25	0.25	0.0000000000
ENSG00000262655	803.75	2307.00	1.5211992665
ENSG00000262664	312.25	286.75	-0.1229080856
ENSG00000262666	479.50	515.00	0.1030416171
ENSG00000262700	2.75	2.00	-0.4594316186
ENSG00000262752	1.00	2.00	1.0000000000
ENSG00000262771	175.00	179.25	0.0346181969
ENSG00000262788	169.25	182.75	0.1107155724
ENSG00000262795	1032.50	797.50	-0.3725853577
ENSG00000262814	374.50	391.75	0.0649675560
ENSG00000262826	1352.25	1133.50	-0.2545775064
ENSG00000262829	0.75	1.25	0.7369655942

ENSG00000262860	2050.50	1919.00	-0.0956210321
ENSG00000262862	0.25	0.25	0.0000000000
ENSG00000262874	2.25	0.25	-3.1699250014
ENSG00000262902	60.25	56.00	-0.1055344142
ENSG00000262911	15.25	10.50	-0.5384199148
ENSG00000262919	195.00	216.75	0.1525578695
ENSG00000262938	3.75	4.25	0.1805722456
ENSG00000262943	12.50	10.50	-0.2515387670
ENSG00000262962	0.25	0.75	1.5849625007
ENSG00000262986	2.00	5.75	1.5235619561
ENSG00000263001	5286.50	4578.50	-0.2074378597
ENSG00000263002	280.25	221.25	-0.3410369178
ENSG00000263006	19.00	7.75	-1.2937312031
ENSG00000263028	1.00	0.75	-0.4150374993
ENSG00000263037	7.00	7.25	0.0506260731
ENSG00000263042	5.00	3.25	-0.6214883767
ENSG00000263097	1.75	1.50	-0.2223924213
ENSG00000263127	1.25	1.00	-0.3219280949
ENSG00000263140	34.25	13.75	-1.3166723694
ENSG00000263142	328.25	323.00	-0.0232608462
ENSG00000263155	0.25	0.25	0.0000000000
ENSG00000263160	391.75	460.50	0.2332678816
ENSG00000263163	106.25	108.25	0.0269041837
ENSG00000263177	3.25	1.50	-1.1154772174
ENSG00000263179	0.25	0.25	0.0000000000
ENSG00000263181	1.50	2.25	0.5849625007
ENSG00000263189	2.50	2.75	0.1375035237
ENSG00000263219	0.50	0.75	0.5849625007
ENSG00000263232	0.25	0.50	1.0000000000
ENSG00000263238	1040.75	1024.25	-0.0230556657
ENSG00000263247	8.75	9.50	0.1186444965
ENSG00000263263	0.25	0.25	0.0000000000
ENSG00000263264	6.75	2.00	-1.7548875022
ENSG00000263266	3.50	2.25	-0.6374299206
ENSG00000263290	550.00	567.00	0.0439171165
ENSG00000263311	0.75	0.25	-1.5849625007
ENSG00000263324	57.00	36.75	-0.6332176693
ENSG00000263326	8.00	6.00	-0.4150374993
ENSG00000263355	2.25	2.75	0.2895066172
ENSG00000263465	504.00	658.50	0.3857597068
ENSG00000263513	11.00	10.75	-0.0331668639
ENSG00000263528	242.00	174.00	-0.4759197414
ENSG00000263535	45.50	40.25	-0.1768777621

ENSG00000263563	3.75	3.00 -0.3219280949
ENSG00000263606	1.50	0.25 -2.5849625007
ENSG00000263620	23.75	13.25 -0.8419351538
ENSG00000263647	63.25	75.25 0.2506261021
ENSG00000263809	10.25	7.50 -0.4506614090
ENSG00000263818	10.75	5.75 -0.9027027986
ENSG00000263956	531.00	332.00 -0.6775286195
ENSG00000263961	24.00	25.00 0.0588936891
ENSG00000264040	1.75	1.50 -0.2223924213
ENSG00000264057	15.25	6.00 -1.3457748368
ENSG00000264058	48.25	32.75 -0.5590340357
ENSG00000264070	3.00	1.50 -1.0000000000
ENSG00000264148	4.00	1.50 -1.4150374993
ENSG00000264176	9.50	6.50 -0.5474877953
ENSG00000264187	31.75	13.50 -1.2337971846
ENSG00000264204	1.25	1.00 -0.3219280949
ENSG00000264230	53.00	76.75 0.5341743908
ENSG00000264324	19.25	14.25 -0.4338965265
ENSG00000264343	1317.75	1036.00 -0.3470526890
ENSG00000264364	2010.25	1706.50 -0.2363345155
ENSG00000264522	792.00	826.50 0.0615143892
ENSG00000264538	164.25	159.75 -0.0400774394
ENSG00000264545	5.25	3.00 -0.8073549221
ENSG00000264570	2.50	4.25 0.7655347464
ENSG00000264619	5.00	4.25 -0.2344652536
ENSG00000264655	0.25	0.75 1.5849625007
ENSG00000264668	24.00	17.25 -0.4764380439
ENSG00000264743	0.75	1.25 0.7369655942
ENSG00000264801	1.50	0.75 -1.0000000000
ENSG00000264813	2.25	1.00 -1.1699250014
ENSG00000264943	2.00	2.00 0.0000000000
ENSG00000264958	0.25	0.25 0.0000000000
ENSG00000264981	2.25	1.00 -1.1699250014
ENSG00000265018	11.25	6.75 -0.7369655942
ENSG00000265095	0.75	0.50 -0.5849625007
ENSG00000265118	6.00	4.50 -0.4150374993
ENSG00000265136	1.00	0.50 -1.0000000000
ENSG00000265158	5.50	2.50 -1.1375035237
ENSG00000265188	74.50	63.25 -0.2361749458
ENSG00000265190	3.00	5.75 0.9385994553
ENSG00000265241	1131.25	1055.75 -0.0996495451
ENSG00000265293	2.75	2.50 -0.1375035237
ENSG00000265296	1.00	0.50 -1.0000000000

ENSG00000265298	86.25	104.25	0.2734510218
ENSG00000265303	1.00	1.75	0.8073549221
ENSG00000265354	669.00	731.00	0.1278651953
ENSG00000265366	2.75	4.75	0.7884958948
ENSG00000265417	0.25	0.50	1.0000000000
ENSG00000265460	0.50	0.75	0.5849625007
ENSG00000265480	0.75	0.25	-1.5849625007
ENSG00000265491	1808.25	1879.25	0.0555628522
ENSG00000265590	50.50	60.75	0.2666010209
ENSG00000265630	0.50	0.50	0.0000000000
ENSG00000265681	14630.00	12774.75	-0.1956347114
ENSG00000265683	4.00	1.25	-1.6780719051
ENSG00000265690	23.25	24.25	0.0607540311
ENSG00000265713	0.25	1.25	2.3219280949
ENSG00000265763	22.00	3.25	-2.7589919005
ENSG00000265798	2.50	2.75	0.1375035237
ENSG00000265808	4288.75	5029.25	0.2297860496
ENSG00000265817	19.25	12.50	-0.6229303509
ENSG00000265818	12.00	1.75	-2.7776075787
ENSG00000265863	1.75	3.00	0.7776075787
ENSG00000265916	2.75	1.50	-0.8744691179
ENSG00000265936	0.75	0.50	-0.5849625007
ENSG00000265939	4.25	4.50	0.0824621602
ENSG00000265972	17395.00	13275.50	-0.3899064802
ENSG00000265982	2.75	2.75	0.0000000000
ENSG00000266027	1.00	1.00	0.0000000000
ENSG00000266028	1681.75	1333.75	-0.3344749871
ENSG00000266050	39.00	30.25	-0.3665389816
ENSG00000266066	4.75	5.00	0.0740005814
ENSG00000266074	723.00	572.25	-0.3373500894
ENSG00000266086	54.50	43.50	-0.3252408289
ENSG00000266094	207.50	226.75	0.1279912143
ENSG00000266173	511.25	420.25	-0.2827811186
ENSG00000266179	5.50	4.25	-0.3719687774
ENSG00000266202	0.50	0.25	-1.0000000000
ENSG00000266242	0.75	0.75	0.0000000000
ENSG00000266265	5.00	1.00	-2.3219280949
ENSG00000266302	98.50	101.50	0.0432840977
ENSG00000266338	1442.00	1285.50	-0.1657415544
ENSG00000266405	29.75	26.50	-0.1668973087
ENSG00000266412	4409.00	3661.25	-0.2681151888
ENSG00000266433	16.25	11.25	-0.5305147167
ENSG00000266442	1.00	1.00	0.0000000000

ENSG00000266472	848.00	820.50 -0.0475609310
ENSG00000266486	5.50	4.25 -0.3719687774
ENSG00000266497	2.25	1.25 -0.8479969066
ENSG00000266504	2.25	1.25 -0.8479969066
ENSG00000266522	0.75	0.25 -1.5849625007
ENSG00000266524	5589.25	2867.25 -0.9629870055
ENSG00000266695	0.50	0.75 0.5849625007
ENSG00000266714	136.25	134.75 -0.0159709569
ENSG00000266733	8.75	9.50 0.1186444965
ENSG00000266777	31.25	30.00 -0.0588936891
ENSG00000266820	117.25	144.75 0.3039754255
ENSG00000266853	1.50	0.25 -2.5849625007
ENSG00000266865	58.00	30.50 -0.9272436576
ENSG00000266876	0.75	1.00 0.4150374993
ENSG00000266885	0.75	0.75 0.0000000000
ENSG00000266891	1.25	0.75 -0.7369655942
ENSG00000266907	1.25	2.00 0.6780719051
ENSG00000266910	3.00	1.50 -1.0000000000
ENSG00000266931	0.25	0.50 1.0000000000
ENSG00000266932	0.75	0.75 0.0000000000
ENSG00000266953	2.50	0.75 -1.7369655942
ENSG00000266964	361.00	294.50 -0.2937312031
ENSG00000266967	315.50	271.50 -0.2166878072
ENSG00000266989	0.75	0.50 -0.5849625007
ENSG00000266992	13.25	13.00 -0.0274807364
ENSG00000266995	1.50	0.25 -2.5849625007
ENSG00000266997	2.00	0.50 -2.0000000000
ENSG00000267022	56.00	32.00 -0.8073549221
ENSG00000267023	738.00	389.25 -0.9229237770
ENSG00000267032	0.25	0.25 0.0000000000
ENSG00000267041	41.50	49.00 0.2396704128
ENSG00000267046	0.25	0.25 0.0000000000
ENSG00000267059	218.50	167.50 -0.3834721842
ENSG00000267060	15.75	23.00 0.5462820326
ENSG00000267076	1.00	0.50 -1.0000000000
ENSG00000267091	1.75	0.25 -2.8073549221
ENSG00000267102	72.25	109.00 0.5932586423
ENSG00000267119	1.50	1.00 -0.5849625007
ENSG00000267120	1.25	3.75 1.5849625007
ENSG00000267127	21.00	16.75 -0.3262282323
ENSG00000267140	1.00	0.25 -2.0000000000
ENSG00000267145	0.25	0.25 0.0000000000
ENSG00000267156	0.50	0.25 -1.0000000000

ENSG00000267157	3.25	1.25 -1.3785116233
ENSG00000267179	4.50	3.25 -0.4694852833
ENSG00000267185	2.25	0.75 -1.5849625007
ENSG00000267203	2.00	2.25 0.1699250014
ENSG00000267216	46.50	20.25 -1.1993088082
ENSG00000267220	0.25	0.25 0.0000000000
ENSG00000267228	89.00	93.00 0.0634253801
ENSG00000267253	1.75	0.50 -1.8073549221
ENSG00000267261	13.25	14.25 0.1049695596
ENSG00000267264	0.75	1.00 0.4150374993
ENSG00000267281	49.75	46.75 -0.0897301607
ENSG00000267293	0.50	0.75 0.5849625007
ENSG00000267295	1.00	0.75 -0.4150374993
ENSG00000267303	9.75	12.25 0.3293076253
ENSG00000267305	2.00	1.75 -0.1926450779
ENSG00000267314	1.75	0.50 -1.8073549221
ENSG00000267318	0.50	0.75 0.5849625007
ENSG00000267319	1.25	0.50 -1.3219280949
ENSG00000267323	14.75	13.50 -0.1277555472
ENSG00000267336	1.50	2.50 0.7369655942
ENSG00000267340	8.00	4.25 -0.9125371587
ENSG00000267343	8.50	9.00 0.0824621602
ENSG00000267352	40.50	35.00 -0.2105669859
ENSG00000267355	4.50	3.25 -0.4694852833
ENSG00000267361	12.75	24.00 0.9125371587
ENSG00000267368	90.50	107.00 0.2416210993
ENSG00000267370	17.75	16.50 -0.1053530001
ENSG00000267385	1.25	1.75 0.4854268272
ENSG00000267404	1.75	0.75 -1.2223924213
ENSG00000267415	0.50	0.25 -1.0000000000
ENSG00000267419	26.25	12.75 -1.0418201757
ENSG00000267422	7.75	3.75 -1.0473057148
ENSG00000267426	30.25	43.75 0.5323478746
ENSG00000267430	0.25	0.75 1.5849625007
ENSG00000267450	1.50	1.75 0.2223924213
ENSG00000267459	27.25	17.50 -0.6389013078
ENSG00000267467	0.50	1.25 1.3219280949
ENSG00000267472	0.50	2.50 2.3219280949
ENSG00000267497	8.75	8.25 -0.0848888976
ENSG00000267500	3.25	1.50 -1.1154772174
ENSG00000267507	1.00	0.50 -1.0000000000
ENSG00000267508	128.00	95.25 -0.4263528125
ENSG00000267526	0.25	0.25 0.0000000000

ENSG00000267533	0.25	0.25	0.0000000000
ENSG00000267534	1711.50	1643.75	-0.0582703979
ENSG00000267541	1.25	0.50	-1.3219280949
ENSG00000267545	1.50	0.75	-1.0000000000
ENSG00000267554	1.00	0.50	-1.0000000000
ENSG00000267561	171.25	190.25	0.1517924657
ENSG00000267570	1.25	2.25	0.8479969066
ENSG00000267587	2.75	2.75	0.0000000000
ENSG00000267590	0.50	0.50	0.0000000000
ENSG00000267592	0.25	0.50	1.0000000000
ENSG00000267595	2.00	2.50	0.3219280949
ENSG00000267618	2.50	4.50	0.8479969066
ENSG00000267641	0.25	0.25	0.0000000000
ENSG00000267645	477.00	363.00	-0.3940197180
ENSG00000267648	53.25	84.25	0.6618951610
ENSG00000267669	37.50	98.50	1.3932331290
ENSG00000267673	231.75	210.50	-0.1387491056
ENSG00000267676	1.25	1.00	-0.3219280949
ENSG00000267679	0.50	0.25	-1.0000000000
ENSG00000267680	597.50	520.50	-0.1990405496
ENSG00000267681	7.50	5.00	-0.5849625007
ENSG00000267691	1.00	0.25	-2.0000000000
ENSG00000267692	0.50	0.75	0.5849625007
ENSG00000267699	11.25	7.25	-0.6338721012
ENSG00000267708	0.75	0.25	-1.5849625007
ENSG00000267733	0.50	2.25	2.1699250014
ENSG00000267740	16.25	14.50	-0.1643868179
ENSG00000267748	0.75	0.25	-1.5849625007
ENSG00000267781	2.25	2.50	0.1520030934
ENSG00000267793	10.00	4.50	-1.1520030934
ENSG00000267795	2.00	2.00	0.0000000000
ENSG00000267796	89.50	108.00	0.2710717249
ENSG00000267800	1.25	0.75	-0.7369655942
ENSG00000267809	64.25	61.00	-0.0748872116
ENSG00000267855	234.25	248.50	0.0851968039
ENSG00000267909	1.00	1.25	0.3219280949
ENSG00000267952	8.50	13.00	0.6129768769
ENSG00000267954	0.75	2.00	1.4150374993
ENSG00000268036	0.25	0.50	1.0000000000
ENSG00000268041	1.50	2.50	0.7369655942
ENSG00000268043	686.50	511.25	-0.4252307823
ENSG00000268058	0.25	0.25	0.0000000000
ENSG00000268070	1.00	0.50	-1.0000000000

ENSG00000268080	0.25	0.25	0.0000000000
ENSG00000268083	2.50	0.50	-2.3219280949
ENSG00000268104	0.50	1.00	1.0000000000
ENSG00000268153	1.75	0.75	-1.2223924213
ENSG00000268163	3.25	2.25	-0.5305147167
ENSG00000268174	0.25	0.50	1.0000000000
ENSG00000268182	4.00	3.25	-0.2995602819
ENSG00000268187	0.25	0.25	0.0000000000
ENSG00000268193	2.25	3.00	0.4150374993
ENSG00000268222	1.50	2.50	0.7369655942
ENSG00000268223	1.50	0.25	-2.5849625007
ENSG00000268225	17.75	12.75	-0.4773217775
ENSG00000268279	23.50	26.00	0.1458508665
ENSG00000268350	590.00	566.50	-0.0586389984
ENSG00000268357	2.25	1.25	-0.8479969066
ENSG00000268361	0.25	0.25	0.0000000000
ENSG00000268400	3.00	3.50	0.2223924213
ENSG00000268439	109.00	115.75	0.0866840585
ENSG00000268442	2.75	2.00	-0.4594316186
ENSG00000268465	2.00	1.00	-1.0000000000
ENSG00000268486	0.75	0.25	-1.5849625007
ENSG00000268521	5.50	5.00	-0.1375035237
ENSG00000268529	1.25	0.25	-2.3219280949
ENSG00000268533	8.25	7.00	-0.2370391973
ENSG00000268545	1.00	0.50	-1.0000000000
ENSG00000268598	0.75	0.50	-0.5849625007
ENSG00000268643	11.25	1.75	-2.6844981743
ENSG00000268660	1.25	0.75	-0.7369655942
ENSG00000268696	1.25	0.75	-0.7369655942
ENSG00000268705	1.50	0.50	-1.5849625007
ENSG00000268736	0.50	2.00	2.0000000000
ENSG00000268738	5.25	4.50	-0.2223924213
ENSG00000268744	6.75	4.00	-0.7548875022
ENSG00000268747	0.25	0.25	0.0000000000
ENSG00000268750	11.00	9.50	-0.2115041052
ENSG00000268758	0.75	0.25	-1.5849625007
ENSG00000268790	89.75	75.50	-0.2494352945
ENSG00000268799	0.50	0.50	0.0000000000
ENSG00000268861	7.00	1.00	-2.8073549221
ENSG00000268864	5.00	1.50	-1.7369655942
ENSG00000268866	0.50	0.25	-1.0000000000
ENSG00000268870	1.50	0.25	-2.5849625007
ENSG00000268883	14.75	12.25	-0.2679332052

ENSG00000268903	1.50	1.25	-0.2630344058
ENSG00000268949	8.25	9.25	0.1650592463
ENSG00000268951	1.25	0.25	-2.3219280949
ENSG00000269001	17.25	14.25	-0.2756344426
ENSG00000269026	2.00	2.75	0.4594316186
ENSG00000269028	46809.50	41025.75	-0.1902716467
ENSG00000269032	0.75	1.25	0.7369655942
ENSG00000269058	0.50	0.50	0.0000000000
ENSG00000269067	0.50	0.50	0.0000000000
ENSG00000269069	16.75	8.75	-0.9368061735
ENSG00000269113	40.75	38.75	-0.0726037490
ENSG00000269190	404.00	341.75	-0.2414139551
ENSG00000269226	77.75	44.00	-0.8213391515
ENSG00000269227	11.25	7.50	-0.5849625007
ENSG00000269236	0.25	0.25	0.0000000000
ENSG00000269242	1.75	5.00	1.5145731728
ENSG00000269274	0.25	0.25	0.0000000000
ENSG00000269313	30.00	18.00	-0.7369655942
ENSG00000269332	2.00	1.00	-1.0000000000
ENSG00000269335	747.50	677.50	-0.1418526328
ENSG00000269343	103.75	94.00	-0.1423786746
ENSG00000269374	45.50	59.00	0.3748484092
ENSG00000269378	498.50	176.00	-1.5020180758
ENSG00000269388	9.00	8.25	-0.1255308821
ENSG00000269403	5.50	4.00	-0.4594316186
ENSG00000269404	10.75	8.00	-0.4262647547
ENSG00000269421	0.25	0.50	1.0000000000
ENSG00000269533	5.00	7.50	0.5849625007
ENSG00000269540	0.25	0.25	0.0000000000
ENSG00000269547	8.25	10.75	0.3818706353
ENSG00000269556	506.00	571.00	0.1743533607
ENSG00000269693	91.50	66.00	-0.4713057189
ENSG00000269699	1.50	4.75	1.6629650127
ENSG00000269713	2724.00	2268.50	-0.2639880437
ENSG00000269743	73.25	53.50	-0.4532898680
ENSG00000269755	5.25	4.25	-0.3048545815
ENSG00000269779	2.00	2.50	0.3219280949
ENSG00000269794	3.25	2.00	-0.7004397181
ENSG00000269800	0.25	0.25	0.0000000000
ENSG00000269823	1.50	15.25	3.3457748368
ENSG00000269837	71.25	46.50	-0.6156592979
ENSG00000269845	0.75	1.50	1.0000000000
ENSG00000269858	1616.50	1567.25	-0.0446381777

ENSG00000269881	53.50	44.25 -0.2738614363
ENSG00000269896	39.50	23.75 -0.7339251398
ENSG00000269897	249.50	187.00 -0.4160015454
ENSG00000269904	4.50	2.75 -0.7104933828
ENSG00000269907	3.00	0.75 -2.0000000000
ENSG00000269948	5.25	2.00 -1.3923174228
ENSG00000269955	396.00	444.50 0.1666829888
ENSG00000270011	84.25	41.00 -1.0390527766
ENSG00000270024	10.50	19.00 0.8556100907
ENSG00000270025	0.50	0.75 0.5849625007
ENSG00000270099	0.50	0.25 -1.0000000000
ENSG00000270106	5.25	3.00 -0.8073549221
ENSG00000270136	39.25	52.00 0.4058189692
ENSG00000270149	9.50	9.75 0.0374747054
ENSG00000270168	0.50	0.25 -1.0000000000
ENSG00000270170	115.25	125.75 0.1257916494
ENSG00000270181	501.50	387.75 -0.3711229196
ENSG00000270188	1699.00	1681.25 -0.0151515849
ENSG00000270228	66.00	59.00 -0.1617510700
ENSG00000270230	0.50	0.75 0.5849625007
ENSG00000270231	1069.75	1010.50 -0.0822043572
ENSG00000270236	0.25	0.50 1.0000000000
ENSG00000270248	1.00	0.50 -1.0000000000
ENSG00000270249	2.75	1.50 -0.8744691179
ENSG00000270257	2.50	1.00 -1.3219280949
ENSG00000270258	0.25	0.25 0.0000000000
ENSG00000270264	2.75	1.00 -1.4594316186
ENSG00000270276	128.25	73.75 -0.7982438714
ENSG00000270292	1.00	0.50 -1.0000000000
ENSG00000270299	12.50	4.00 -1.6438561898
ENSG00000270300	2.25	1.75 -0.3625700794
ENSG00000270304	2.75	1.75 -0.6520766966
ENSG00000270367	1.50	1.00 -0.5849625007
ENSG00000270392	250.25	198.75 -0.3324152087
ENSG00000270394	1.50	2.50 0.7369655942
ENSG00000270402	1.00	0.50 -1.0000000000
ENSG00000270409	4.50	3.00 -0.5849625007
ENSG00000270427	1.25	1.00 -0.3219280949
ENSG00000270429	0.50	0.50 0.0000000000
ENSG00000270433	7.25	6.75 -0.1030934930
ENSG00000270441	15.75	13.75 -0.1959202100
ENSG00000270443	0.75	0.25 -1.5849625007
ENSG00000270445	0.50	0.25 -1.0000000000

ENSG00000270479	1.25	1.50	0.2630344058
ENSG00000270480	0.25	0.25	0.0000000000
ENSG00000270484	0.50	0.25	-1.0000000000
ENSG00000270490	4.25	4.00	-0.0874628413
ENSG00000270492	0.75	1.50	1.0000000000
ENSG00000270497	4.50	3.50	-0.3625700794
ENSG00000270499	0.25	0.75	1.5849625007
ENSG00000270510	2.25	3.00	0.4150374993
ENSG00000270518	1.50	1.00	-0.5849625007
ENSG00000270528	0.75	0.25	-1.5849625007
ENSG00000270533	42.75	29.25	-0.5474877953
ENSG00000270549	0.25	0.25	0.0000000000
ENSG00000270558	4.50	5.25	0.2223924213
ENSG00000270578	0.50	2.75	2.4594316186
ENSG00000270585	1.75	2.25	0.3625700794
ENSG00000270587	4.25	2.50	-0.7655347464
ENSG00000270606	0.25	0.25	0.0000000000
ENSG00000270614	1.00	1.75	0.8073549221
ENSG00000270629	5620.25	4060.25	-0.4690657453
ENSG00000270647	1320.00	1412.75	0.0979682596
ENSG00000270666	0.25	0.25	0.0000000000
ENSG00000270670	36.25	30.75	-0.2373945847
ENSG00000270672	871.50	819.00	-0.0896372125
ENSG00000270689	0.50	7.50	3.9068905956
ENSG00000270728	18.50	17.25	-0.1009289089
ENSG00000270739	0.25	0.50	1.0000000000
ENSG00000270757	133.50	108.25	-0.3024727170
ENSG00000270765	0.50	2.00	2.0000000000
ENSG00000270773	1.25	1.50	0.2630344058
ENSG00000270775	2.25	0.50	-2.1699250014
ENSG00000270797	2.00	2.75	0.4594316186
ENSG00000270800	279.25	261.00	-0.0975074739
ENSG00000270804	40.25	26.00	-0.6304771600
ENSG00000270808	1.25	1.75	0.4854268272
ENSG00000270813	0.25	0.25	0.0000000000
ENSG00000270863	1.25	0.75	-0.7369655942
ENSG00000270872	158.25	98.50	-0.6840098700
ENSG00000270878	1.00	0.75	-0.4150374993
ENSG00000270882	61.50	55.75	-0.1416146054
ENSG00000270885	102.00	217.00	1.0891258905
ENSG00000270890	9.75	7.00	-0.4780472968
ENSG00000270898	0.25	1.00	2.0000000000
ENSG00000270903	4.00	3.25	-0.2995602819

ENSG00000270906	2.00	0.25 -3.0000000000
ENSG00000270909	1.75	0.50 -1.8073549221
ENSG00000270917	1.75	0.75 -1.2223924213
ENSG00000270923	4.25	2.25 -0.9175378398
ENSG00000270938	3.00	1.25 -1.2630344058
ENSG00000270948	0.25	0.50 1.0000000000
ENSG00000270962	1.75	3.25 0.8930847961
ENSG00000270966	0.50	0.25 -1.0000000000
ENSG00000270983	1.00	2.50 1.3219280949
ENSG00000270986	2.75	0.50 -2.4594316186
ENSG00000270987	0.25	0.25 0.0000000000
ENSG00000270993	0.25	0.50 1.0000000000
ENSG00000271002	1.00	1.00 0.0000000000
ENSG00000271010	2.25	1.25 -0.8479969066
ENSG00000271013	1.25	1.25 0.0000000000
ENSG00000271021	2.25	2.00 -0.1699250014
ENSG00000271043	1.50	0.75 -1.0000000000
ENSG00000271049	1.75	0.75 -1.2223924213
ENSG00000271064	3.25	4.00 0.2995602819
ENSG00000271071	5.00	2.00 -1.3219280949
ENSG00000271072	1.25	0.50 -1.3219280949
ENSG00000271075	7.00	6.25 -0.1634987323
ENSG00000271079	4.00	4.50 0.1699250014
ENSG00000271092	22.00	28.25 0.3607473438
ENSG00000271095	5.00	3.00 -0.7369655942
ENSG00000271099	2.00	2.25 0.1699250014
ENSG00000271105	5.25	2.00 -1.3923174228
ENSG00000271121	107.75	155.00 0.5245803462
ENSG00000271134	0.25	1.25 2.3219280949
ENSG00000271150	0.50	0.25 -1.0000000000
ENSG00000271153	4.50	0.50 -3.1699250014
ENSG00000271161	3.75	6.75 0.8479969066
ENSG00000271180	0.50	0.25 -1.0000000000
ENSG00000271207	1.00	1.75 0.8073549221
ENSG00000271236	0.25	0.50 1.0000000000
ENSG00000271254	1162.00	618.50 -0.9097645684
ENSG00000271267	1.75	0.50 -1.8073549221
ENSG00000271278	0.75	1.00 0.4150374993
ENSG00000271286	0.25	0.25 0.0000000000
ENSG00000271303	1074.75	913.25 -0.2349193566
ENSG00000271318	0.50	1.00 1.0000000000
ENSG00000271321	0.25	1.50 2.5849625007
ENSG00000271337	3.00	0.75 -2.0000000000

ENSG00000271361	2.50	6.50	1.3785116233
ENSG00000271383	1927.75	1926.50	-0.0009357820
ENSG00000271396	2.50	2.50	0.0000000000
ENSG00000271404	0.25	0.75	1.5849625007
ENSG00000271415	0.25	0.25	0.0000000000
ENSG00000271425	2454.75	1871.00	-0.3917665445
ENSG00000271428	0.75	1.00	0.4150374993
ENSG00000271447	1.00	2.00	1.0000000000
ENSG00000271500	0.50	0.25	-1.0000000000
ENSG00000271503	4.75	3.25	-0.5474877953
ENSG00000271511	0.25	0.75	1.5849625007
ENSG00000271519	26.75	20.75	-0.3664275551
ENSG00000271524	0.50	2.00	2.0000000000
ENSG00000271537	0.75	0.75	0.0000000000
ENSG00000271546	0.25	0.25	0.0000000000
ENSG00000271547	11.50	7.00	-0.7162070340
ENSG00000271550	1.50	1.50	0.0000000000
ENSG00000271580	3.25	2.50	-0.3785116233
ENSG00000271581	0.25	1.25	2.3219280949
ENSG00000271601	1009.25	963.25	-0.0673014008
ENSG00000271605	63.00	42.00	-0.5849625007
ENSG00000271607	0.50	0.50	0.0000000000
ENSG00000271623	0.75	0.25	-1.5849625007
ENSG00000271639	0.50	0.75	0.5849625007
ENSG00000271647	1.00	1.50	0.5849625007
ENSG00000271657	0.25	0.50	1.0000000000
ENSG00000271664	2.25	2.00	-0.1699250014
ENSG00000271672	23.25	28.75	0.3063312398
ENSG00000271698	1.00	3.00	1.5849625007
ENSG00000271699	25.50	15.25	-0.7416880044
ENSG00000271723	5.00	3.75	-0.4150374993
ENSG00000271741	119.25	80.00	-0.5759173611
ENSG00000271749	1.50	0.75	-1.0000000000
ENSG00000271779	1.75	0.25	-2.8073549221
ENSG00000271793	20.25	13.50	-0.5849625007
ENSG00000271810	5.50	10.50	0.9328858041
ENSG00000271890	1.50	0.25	-2.5849625007
ENSG00000271974	4.25	1.50	-1.5025003405
ENSG00000271977	0.50	0.25	-1.0000000000
ENSG00000272031	72.25	63.00	-0.1976457590
ENSG00000272047	825.00	773.75	-0.0925266150
ENSG00000272058	134.00	121.25	-0.1442482534
ENSG00000272101	14.75	7.50	-0.9757524538

ENSG00000272104	3.00	8.25	1.4594316186
ENSG00000272134	1.25	1.00	-0.3219280949
ENSG00000272150	126.75	101.25	-0.3240638392
ENSG00000272196	88.25	144.00	0.7064006282
ENSG00000272220	2.75	1.25	-1.1375035237
ENSG00000272281	12.25	11.25	-0.1228567478
ENSG00000272295	0.50	1.25	1.3219280949
ENSG00000272305	6.00	6.25	0.0588936891
ENSG00000272325	1764.50	2250.25	0.3508258619
ENSG00000272333	872.75	914.00	0.0666257135
ENSG00000272391	1032.25	986.00	-0.0661328668
ENSG00000272398	9.25	2.75	-1.7500217470
ENSG00000272400	11.25	7.50	-0.5849625007
ENSG00000272407	0.75	2.25	1.5849625007
ENSG00000272410	113.00	66.00	-0.7757848431
ENSG00000272414	245.75	278.00	0.1778934664
ENSG00000272442	7.50	4.00	-0.9068905956
ENSG00000272514	4.75	4.00	-0.2479275134
ENSG00000272556	134.25	106.75	-0.3306860184
ENSG00000272573	7.00	4.50	-0.6374299206
ENSG00000272578	354.25	248.00	-0.5144277325
ENSG00000272601	8.25	12.50	0.5994620704
ENSG00000272602	124.00	96.00	-0.3692338097
ENSG00000272617	93.50	77.75	-0.2661236898
ENSG00000272636	2.00	2.00	0.0000000000
ENSG00000272645	233.00	152.00	-0.6162586312
ENSG00000272647	44.75	43.75	-0.0326046654
ENSG00000272655	63.75	52.00	-0.2939137187
ENSG00000272670	2.00	2.00	0.0000000000
ENSG00000272674	108.75	97.75	-0.1538467934
ENSG00000272718	1.00	0.50	-1.0000000000
ENSG00000272765	6.50	4.25	-0.6129768769
ENSG00000272772	2.50	2.00	-0.3219280949
ENSG00000272779	228.00	205.50	-0.1498954305
ENSG00000272803	0.25	0.50	1.0000000000
ENSG00000272805	1.75	1.00	-0.8073549221
ENSG00000272822	15.25	9.25	-0.7212839719
ENSG00000272835	56.50	51.75	-0.1266920049
ENSG00000272869	33.75	27.50	-0.2954558835
ENSG00000272886	627.75	607.75	-0.0467121352
ENSG00000272887	49.75	28.25	-0.8164456581
ENSG00000272896	9.00	7.00	-0.3625700794
ENSG00000272901	69.50	52.50	-0.4046955551

ENSG00000272916	50.25	56.50	0.1691272712
ENSG00000272921	81.00	86.25	0.0906025488
ENSG00000272968	5.00	3.50	-0.5145731728
ENSG00000273003	23.25	7.50	-1.6322682155
ENSG00000273024	5.00	5.25	0.0703893279
ENSG00000273025	4.00	4.50	0.1699250014
ENSG00000273041	1.00	1.00	0.0000000000
ENSG00000273045	2.25	7.25	1.6880559937
ENSG00000273047	4.25	2.00	-1.0874628413
ENSG00000273049	0.25	0.25	0.0000000000
ENSG00000273079	5.50	1.25	-2.1375035237
ENSG00000273088	2.75	5.00	0.8624964763
ENSG00000273092	1.75	1.75	0.0000000000
ENSG00000273136	648.50	635.75	-0.0286470176
ENSG00000273144	1.25	1.25	0.0000000000
ENSG00000273154	73.00	92.25	0.3376524472
ENSG00000273155	1.75	2.50	0.5145731728
ENSG00000273167	10.50	3.00	-1.8073549221
ENSG00000273173	131.50	105.25	-0.3212425662
ENSG00000273234	1.75	1.00	-0.8073549221
ENSG00000273259	382.75	3441.25	3.1684584220
ENSG00000273274	26.00	19.50	-0.4150374993
ENSG00000273291	16.50	17.50	0.0848888976
ENSG00000273294	15.75	9.50	-0.7293524101
ENSG00000273327	3.75	1.50	-1.3219280949
ENSG00000273331	0.50	0.50	0.0000000000
ENSG00000273336	1.25	0.25	-2.3219280949
ENSG00000273397	119.25	116.00	-0.0398644609
ENSG00000273398	10.00	2.25	-2.1520030934
ENSG00000273423	1.75	1.25	-0.4854268272
ENSG00000273457	0.25	0.25	0.0000000000
ENSG00000273484	3.00	1.75	-0.7776075787
ENSG00000273494	282.25	297.50	0.0759160874
ENSG00000273496	0.50	1.50	1.5849625007
ENSG00000273509	1.50	0.50	-1.5849625007
ENSG00000273511	0.25	0.25	0.0000000000
ENSG00000273520	2.50	1.50	-0.7369655942
ENSG00000273542	3.00	2.00	-0.5849625007
ENSG00000273559	231.50	200.25	-0.2092099509
ENSG00000273562	622.75	451.50	-0.4639271288
ENSG00000273564	5.75	6.25	0.1202942337
ENSG00000273572	3.50	3.00	-0.2223924213
ENSG00000273574	48.00	47.75	-0.0075336727

ENSG00000273579	4.75	3.75 -0.3410369178
ENSG00000273590	205.25	200.50 -0.0337799853
ENSG00000273592	177.25	127.50 -0.4752883804
ENSG00000273594	2200.75	1705.00 -0.3682235285
ENSG00000273597	1.00	0.25 -2.0000000000
ENSG00000273598	5.75	6.50 0.1768777621
ENSG00000273604	13.50	25.25 0.9033239806
ENSG00000273607	35.75	32.75 -0.1264483352
ENSG00000273608	2.00	1.25 -0.6780719051
ENSG00000273611	187.00	153.50 -0.2847996145
ENSG00000273622	104.50	91.25 -0.1956064783
ENSG00000273628	2.75	1.50 -0.8744691179
ENSG00000273633	137.50	101.25 -0.4415097106
ENSG00000273642	46.75	37.50 -0.3180757694
ENSG00000273645	11.00	19.75 0.8443491295
ENSG00000273651	6.50	3.00 -1.1154772174
ENSG00000273656	214.75	148.50 -0.5321952003
ENSG00000273673	9174.75	7976.00 -0.2020034372
ENSG00000273681	0.25	0.25 0.0000000000
ENSG00000273682	1.25	1.50 0.2630344058
ENSG00000273686	7459.25	5886.50 -0.3416204900
ENSG00000273707	238.00	278.00 0.2241233094
ENSG00000273712	0.75	1.50 1.0000000000
ENSG00000273715	13.75	1.25 -3.4594316186
ENSG00000273722	7.25	3.75 -0.9510903995
ENSG00000273724	1.25	0.75 -0.7369655942
ENSG00000273734	5.00	2.00 -1.3219280949
ENSG00000273738	7.25	5.00 -0.5360529002
ENSG00000273748	80.75	68.00 -0.2479275134
ENSG00000273749	2764.25	2882.00 0.0601822359
ENSG00000273761	3863.00	3040.00 -0.3456503539
ENSG00000273763	1.75	1.25 -0.4854268272
ENSG00000273772	139.75	185.75 0.4105139277
ENSG00000273780	566.00	599.00 0.0817539500
ENSG00000273785	1.75	2.25 0.3625700794
ENSG00000273793	30.75	10.25 -1.5849625007
ENSG00000273799	3.00	2.00 -0.5849625007
ENSG00000273802	18.75	9.50 -0.9808911771
ENSG00000273807	211.25	259.50 0.2967831972
ENSG00000273808	0.75	1.00 0.4150374993
ENSG00000273813	0.75	0.25 -1.5849625007
ENSG00000273814	33.75	21.25 -0.6674246609
ENSG00000273820	64.00	60.25 -0.0871106638

ENSG00000273825	13.25	6.75	-0.9730329524
ENSG00000273831	36.25	17.25	-1.0713846332
ENSG00000273833	9.50	10.25	0.1096244912
ENSG00000273841	229.00	278.00	0.2797372846
ENSG00000273850	130.25	88.75	-0.5534643479
ENSG00000273851	2.00	0.25	-3.0000000000
ENSG00000273859	1.25	1.75	0.4854268272
ENSG00000273873	72.75	128.75	0.8235532792
ENSG00000273889	92.50	102.25	0.1445755724
ENSG00000273896	0.50	0.75	0.5849625007
ENSG00000273897	3.25	6.50	1.0000000000
ENSG00000273899	223.00	181.75	-0.2950883460
ENSG00000273933	3.50	0.25	-3.8073549221
ENSG00000273936	324.00	240.00	-0.4329594073
ENSG00000273943	3.75	5.50	0.5525410230
ENSG00000273944	9.00	4.00	-1.1699250014
ENSG00000273963	0.25	0.75	1.5849625007
ENSG00000273983	0.50	0.75	0.5849625007
ENSG00000273991	1.00	0.75	-0.4150374993
ENSG00000273992	4.25	2.50	-0.7655347464
ENSG00000273993	1541.00	1180.25	-0.3847743789
ENSG00000273997	0.75	0.75	0.0000000000
ENSG00000274000	0.25	0.25	0.0000000000
ENSG00000274005	1090.75	996.25	-0.1307407495
ENSG00000274024	8.50	5.00	-0.7655347464
ENSG00000274026	15.00	8.00	-0.9068905956
ENSG00000274042	12.50	5.25	-1.2515387670
ENSG00000274047	655.25	394.25	-0.7329346935
ENSG00000274049	278.00	187.50	-0.5681942873
ENSG00000274064	2.00	1.75	-0.1926450779
ENSG00000274068	1.00	0.75	-0.4150374993
ENSG00000274070	162.00	188.00	0.2147388488
ENSG00000274073	9.50	10.25	0.1096244912
ENSG00000274078	0.50	0.75	0.5849625007
ENSG00000274081	793.25	796.75	0.0063514979
ENSG00000274089	0.25	0.25	0.0000000000
ENSG00000274110	2.50	2.50	0.0000000000
ENSG00000274112	56.50	51.75	-0.1266920049
ENSG00000274114	9.25	7.25	-0.3514723705
ENSG00000274129	251.75	238.75	-0.0764910451
ENSG00000274137	26.25	14.50	-0.8562645225
ENSG00000274144	2.50	3.00	0.2630344058
ENSG00000274145	68.25	92.75	0.4425182357

ENSG00000274148	3.25	1.75 -0.8930847961
ENSG00000274162	3.25	3.75 0.2064508775
ENSG00000274165	4.25	2.00 -1.0874628413
ENSG00000274166	1.75	0.50 -1.8073549221
ENSG00000274176	3.75	5.50 0.5525410230
ENSG00000274180	1347.25	1409.75 0.0654217562
ENSG00000274183	0.25	1.50 2.5849625007
ENSG00000274205	1.50	1.50 0.0000000000
ENSG00000274209	0.25	1.00 2.0000000000
ENSG00000274211	293.75	269.25 -0.1256425069
ENSG00000274226	3.50	4.50 0.3625700794
ENSG00000274229	65.25	55.00 -0.2465462830
ENSG00000274233	4.75	3.25 -0.5474877953
ENSG00000274240	0.50	0.50 0.0000000000
ENSG00000274276	372.75	851.00 1.1909507794
ENSG00000274286	0.50	1.00 1.0000000000
ENSG00000274287	562.25	500.50 -0.1678416869
ENSG00000274290	16.25	10.75 -0.5961030583
ENSG00000274296	94.00	108.00 0.2002986505
ENSG00000274299	0.75	0.25 -1.5849625007
ENSG00000274305	290.25	372.25 0.3589757817
ENSG00000274320	147.75	110.25 -0.4223794746
ENSG00000274322	2.50	3.25 0.3785116233
ENSG00000274328	0.25	0.25 0.0000000000
ENSG00000274330	2.50	0.75 -1.7369655942
ENSG00000274332	33.00	18.25 -0.8545695605
ENSG00000274334	2287.50	1724.50 -0.4075936146
ENSG00000274336	140.75	52.00 -1.4365513939
ENSG00000274338	5.25	3.75 -0.4854268272
ENSG00000274346	1.00	0.25 -2.0000000000
ENSG00000274349	133.00	80.00 -0.7333543406
ENSG00000274351	1.00	0.25 -2.0000000000
ENSG00000274352	117.75	106.00 -0.1516627950
ENSG00000274356	1.00	0.75 -0.4150374993
ENSG00000274359	46.75	37.50 -0.3180757694
ENSG00000274376	0.50	0.25 -1.0000000000
ENSG00000274378	2.25	0.50 -2.1699250014
ENSG00000274384	8.75	4.75 -0.8813555035
ENSG00000274391	2.25	1.50 -0.5849625007
ENSG00000274392	30.25	16.50 -0.8744691179
ENSG00000274404	2.00	2.00 0.0000000000
ENSG00000274418	9.00	4.00 -1.1699250014
ENSG00000274419	51.25	49.25 -0.0574282800

ENSG00000274423	2.50	5.25	1.0703893279
ENSG00000274429	1707.00	1986.50	0.2187657351
ENSG00000274437	1.75	1.00	-0.8073549221
ENSG00000274442	4027.75	4012.25	-0.0055626370
ENSG00000274443	6.00	1.25	-2.2630344058
ENSG00000274471	28.00	23.75	-0.2374993137
ENSG00000274473	1.00	1.25	0.3219280949
ENSG00000274474	3509.00	3422.25	-0.0361147932
ENSG00000274487	91.25	91.50	0.0039471845
ENSG00000274495	1.25	2.25	0.8479969066
ENSG00000274504	9.00	4.00	-1.1699250014
ENSG00000274512	264.25	247.50	-0.0944749464
ENSG00000274523	916.00	889.75	-0.0419475706
ENSG00000274538	35.00	49.25	0.4927688025
ENSG00000274540	0.25	0.25	0.0000000000
ENSG00000274570	7.00	16.00	1.1926450779
ENSG00000274580	1.50	1.50	0.0000000000
ENSG00000274583	1.00	0.25	-2.0000000000
ENSG00000274587	0.50	1.00	1.0000000000
ENSG00000274600	1.00	2.00	1.0000000000
ENSG00000274602	172.25	160.50	-0.1019306856
ENSG00000274611	40.00	45.50	0.1858665453
ENSG00000274615	92.50	60.25	-0.6184921243
ENSG00000274616	14.50	7.00	-1.0506260731
ENSG00000274619	238.75	240.75	0.0120350649
ENSG00000274626	1090.75	996.25	-0.1307407495
ENSG00000274636	975.00	719.50	-0.4384075319
ENSG00000274641	1.50	0.75	-1.0000000000
ENSG00000274642	14.00	37.75	1.4310498173
ENSG00000274646	173.75	160.00	-0.1189410727
ENSG00000274651	2.50	3.00	0.2630344058
ENSG00000274671	12.25	7.50	-0.7078192485
ENSG00000274672	0.50	0.75	0.5849625007
ENSG00000274675	181.50	207.00	0.1896612195
ENSG00000274679	126.50	94.75	-0.4169395365
ENSG00000274684	192.75	176.25	-0.1291076026
ENSG00000274703	0.25	0.25	0.0000000000
ENSG00000274726	996.00	917.00	-0.1192240085
ENSG00000274734	6.00	6.75	0.1699250014
ENSG00000274741	6.00	2.00	-1.5849625007
ENSG00000274746	43.00	33.25	-0.3709823192
ENSG00000274750	48.25	52.00	0.1079826809
ENSG00000274752	0.25	0.25	0.0000000000

ENSG00000274756	2.75	3.50	0.3479233034
ENSG00000274768	139.25	172.25	0.3068266554
ENSG00000274775	1.00	0.25	-2.0000000000
ENSG00000274779	2501.75	2107.50	-0.2474049970
ENSG00000274780	627.50	541.25	-0.2133203392
ENSG00000274796	0.50	0.75	0.5849625007
ENSG00000274803	798.00	699.50	-0.1900646891
ENSG00000274808	33.25	28.75	-0.2097923846
ENSG00000274810	113.25	162.50	0.5209286679
ENSG00000274811	317.00	340.75	0.1042308167
ENSG00000274829	469.75	449.75	-0.0627698802
ENSG00000274843	15.50	10.25	-0.5966443058
ENSG00000274847	100.25	110.75	0.1437044621
ENSG00000274853	24.25	43.75	0.8512982696
ENSG00000274857	0.25	0.25	0.0000000000
ENSG00000274869	0.50	0.25	-1.0000000000
ENSG00000274874	2.00	1.25	-0.6780719051
ENSG00000274891	73.75	74.50	0.0145973762
ENSG00000274892	0.25	1.25	2.3219280949
ENSG00000274894	2.50	3.00	0.2630344058
ENSG00000274897	12.25	18.50	0.5947435215
ENSG00000274911	8.25	3.00	-1.4594316186
ENSG00000274914	1.50	2.00	0.4150374993
ENSG00000274933	0.25	1.75	2.8073549221
ENSG00000274939	45.00	39.50	-0.1880723482
ENSG00000274941	3.75	5.50	0.5525410230
ENSG00000274944	2.75	57.75	4.3923174228
ENSG00000274950	1674.50	1569.50	-0.0934253471
ENSG00000274958	285.25	360.75	0.3387725082
ENSG00000274966	2.00	0.75	-1.4150374993
ENSG00000274972	0.50	0.50	0.0000000000
ENSG00000274985	217.00	261.50	0.2691159038
ENSG00000274997	0.75	0.25	-1.5849625007
ENSG00000275003	223.00	278.25	0.3193379774
ENSG00000275004	8.50	5.00	-0.7655347464
ENSG00000275017	4.75	3.75	-0.3410369178
ENSG00000275018	81.00	46.75	-0.7929555430
ENSG00000275019	1.00	2.00	1.0000000000
ENSG00000275023	1244.50	1179.00	-0.0780025120
ENSG00000275031	1620.25	1195.50	-0.4386023040
ENSG00000275035	1179.25	967.25	-0.2859088721
ENSG00000275045	97.50	82.75	-0.2366429069
ENSG00000275050	8.00	5.00	-0.6780719051

ENSG00000275051	1.50	2.25	0.5849625007
ENSG00000275052	1824.00	1608.25	-0.1816140408
ENSG00000275066	647.25	413.25	-0.6473082406
ENSG00000275074	203.50	206.00	0.0176155429
ENSG00000275079	812.75	958.25	0.2375904421
ENSG00000275086	9.50	10.25	0.1096244912
ENSG00000275095	1.50	1.75	0.2223924213
ENSG00000275099	753.00	712.75	-0.0792537307
ENSG00000275111	146.25	117.75	-0.3127095649
ENSG00000275116	0.50	0.75	0.5849625007
ENSG00000275117	2.50	3.00	0.2630344058
ENSG00000275118	292.75	332.75	0.1847694954
ENSG00000275121	25.75	35.50	0.4632465923
ENSG00000275125	193.25	213.25	0.1420773274
ENSG00000275131	750.75	1153.25	0.6193008175
ENSG00000275140	13.25	12.25	-0.1132106104
ENSG00000275145	206.50	178.50	-0.2102177074
ENSG00000275152	2.25	2.50	0.1520030934
ENSG00000275153	58.00	11.50	-2.3344190391
ENSG00000275160	28.00	18.00	-0.6374299206
ENSG00000275165	0.50	0.75	0.5849625007
ENSG00000275176	479.50	331.25	-0.5336103607
ENSG00000275181	3.50	0.50	-2.8073549221
ENSG00000275183	28.75	28.75	0.0000000000
ENSG00000275199	239.75	168.50	-0.5087822238
ENSG00000275211	6.75	3.00	-1.1699250014
ENSG00000275214	30.50	17.25	-0.8222128808
ENSG00000275221	1.50	2.00	0.4150374993
ENSG00000275246	447.00	738.25	0.7238346200
ENSG00000275272	650.25	561.50	-0.2117084715
ENSG00000275282	1.25	0.25	-2.3219280949
ENSG00000275290	0.25	0.25	0.0000000000
ENSG00000275300	5.50	7.25	0.3985493765
ENSG00000275318	8.25	5.00	-0.7224660245
ENSG00000275323	1090.75	996.25	-0.1307407495
ENSG00000275325	2.25	2.25	0.0000000000
ENSG00000275326	8.25	16.75	1.0216950711
ENSG00000275328	0.50	0.50	0.0000000000
ENSG00000275331	88.50	49.75	-0.8309809295
ENSG00000275333	590.25	553.00	-0.0940466560
ENSG00000275338	885.00	1159.75	0.3900644859
ENSG00000275339	0.25	1.00	2.0000000000
ENSG00000275340	2.75	1.50	-0.8744691179

ENSG00000275342	186.50	166.50 -0.1636534532
ENSG00000275349	10.75	16.75 0.6398244358
ENSG00000275365	175.00	108.25 -0.6929878971
ENSG00000275368	26.00	24.50 -0.0857298740
ENSG00000275374	0.50	0.25 -1.0000000000
ENSG00000275381	1.25	0.50 -1.3219280949
ENSG00000275395	9.00	4.75 -0.9219974880
ENSG00000275397	22.50	22.25 -0.0161196654
ENSG00000275400	53.00	49.00 -0.1132106104
ENSG00000275410	0.75	0.25 -1.5849625007
ENSG00000275428	0.75	0.75 0.0000000000
ENSG00000275430	14.75	7.00 -1.0752881273
ENSG00000275464	211.75	223.25 0.0762982058
ENSG00000275468	1.25	0.75 -0.7369655942
ENSG00000275474	9.00	4.00 -1.1699250014
ENSG00000275482	855.50	1942.25 1.1828891518
ENSG00000275495	74.50	45.50 -0.7113738803
ENSG00000275498	604.50	524.50 -0.2047995667
ENSG00000275501	4.50	2.25 -1.0000000000
ENSG00000275539	2.25	0.75 -1.5849625007
ENSG00000275540	2.75	1.00 -1.4594316186
ENSG00000275544	31.25	59.00 0.9168587647
ENSG00000275551	0.25	0.25 0.0000000000
ENSG00000275555	129.50	87.50 -0.5655971759
ENSG00000275564	0.50	0.50 0.0000000000
ENSG00000275568	6.75	10.25 0.6026645025
ENSG00000275571	26.00	18.00 -0.5305147167
ENSG00000275575	18.50	13.75 -0.4280936521
ENSG00000275581	82.00	69.75 -0.2334306928
ENSG00000275591	13.00	10.75 -0.2741749634
ENSG00000275594	18.00	28.75 0.6755650495
ENSG00000275597	1.00	0.50 -1.0000000000
ENSG00000275600	50.00	51.00 0.0285691522
ENSG00000275605	46.75	37.50 -0.3180757694
ENSG00000275618	651.25	618.00 -0.0756046293
ENSG00000275619	38.75	37.25 -0.0569558848
ENSG00000275621	17.00	14.75 -0.2048197919
ENSG00000275624	0.50	1.00 1.0000000000
ENSG00000275644	0.25	0.25 0.0000000000
ENSG00000275674	1.00	0.25 -2.0000000000
ENSG00000275679	0.25	0.50 1.0000000000
ENSG00000275695	8.25	9.75 0.2410080995
ENSG00000275700	359.00	392.50 0.1287088100

ENSG00000275713	7.00	4.00	-0.8073549221
ENSG00000275718	0.50	0.75	0.5849625007
ENSG00000275723	194.00	149.00	-0.3807443217
ENSG00000275724	46.75	37.50	-0.3180757694
ENSG00000275736	12.50	6.75	-0.8889686876
ENSG00000275740	138.25	129.00	-0.0999084148
ENSG00000275744	123.50	81.50	-0.5996390774
ENSG00000275746	998.75	1889.25	0.9196181196
ENSG00000275748	19.50	13.75	-0.5040425053
ENSG00000275756	1.25	2.00	0.6780719051
ENSG00000275758	25.25	33.25	0.3970709527
ENSG00000275778	17.25	4.50	-1.9385994553
ENSG00000275779	511.25	505.50	-0.0163178459
ENSG00000275791	0.50	1.75	1.8073549221
ENSG00000275793	11.25	13.00	0.2085866218
ENSG00000275821	0.25	0.25	0.0000000000
ENSG00000275832	2204.00	2275.25	0.0459008506
ENSG00000275833	1.75	0.25	-2.8073549221
ENSG00000275835	387.25	342.75	-0.1761085730
ENSG00000275837	500.50	392.50	-0.3506774151
ENSG00000275851	1244.50	1179.00	-0.0780025120
ENSG00000275861	7.25	9.25	0.3514723705
ENSG00000275865	1.00	0.75	-0.4150374993
ENSG00000275867	91.75	90.25	-0.0237812260
ENSG00000275873	5.00	6.00	0.2630344058
ENSG00000275882	131.75	151.25	0.1991321805
ENSG00000275885	418.50	382.25	-0.1307111212
ENSG00000275895	509.00	605.50	0.2504613036
ENSG00000275903	441.50	430.50	-0.0364002003
ENSG00000275911	162.75	183.25	0.1711556550
ENSG00000275917	12.25	11.25	-0.1228567478
ENSG00000275932	605.75	753.50	0.3148850121
ENSG00000275935	11.25	8.00	-0.4918530963
ENSG00000275947	44.75	41.00	-0.1262637726
ENSG00000275949	253.50	250.00	-0.0200576523
ENSG00000275956	0.50	1.25	1.3219280949
ENSG00000275976	7.00	3.50	-1.0000000000
ENSG00000275979	3.75	5.50	0.5525410230
ENSG00000275993	31.00	63.25	1.0287972643
ENSG00000276005	0.50	0.50	0.0000000000
ENSG00000276016	2842.50	1855.00	-0.6157411623
ENSG00000276021	60.25	78.00	0.3725128826
ENSG00000276022	9.50	10.25	0.1096244912

ENSG00000276023	12.75	36.50	1.5173992169
ENSG00000276032	3.25	3.00	-0.1154772174
ENSG00000276033	13.00	11.75	-0.1458508665
ENSG00000276040	0.50	1.00	1.0000000000
ENSG00000276043	118.00	81.75	-0.5294962239
ENSG00000276045	248.75	207.50	-0.2615851892
ENSG00000276053	1.00	0.25	-2.0000000000
ENSG00000276058	0.25	0.50	1.0000000000
ENSG00000276061	50.75	39.25	-0.3707151683
ENSG00000276068	90.00	61.75	-0.5434858647
ENSG00000276072	359.00	392.50	0.1287088100
ENSG00000276082	3.75	5.50	0.5525410230
ENSG00000276087	5.50	7.00	0.3479233034
ENSG00000276111	323.50	181.25	-0.8357847171
ENSG00000276126	1.50	0.75	-1.0000000000
ENSG00000276127	0.50	0.75	0.5849625007
ENSG00000276130	84.25	154.00	0.8701817595
ENSG00000276141	138.50	184.75	0.4156883881
ENSG00000276143	0.25	0.25	0.0000000000
ENSG00000276155	16.75	8.75	-0.9368061735
ENSG00000276163	0.50	0.75	0.5849625007
ENSG00000276180	117.50	110.00	-0.0951572330
ENSG00000276184	7.00	7.25	0.0506260731
ENSG00000276187	219.75	191.50	-0.1985187732
ENSG00000276194	0.75	0.75	0.0000000000
ENSG00000276203	14.25	13.00	-0.1324502960
ENSG00000276204	3.00	3.00	0.0000000000
ENSG00000276217	1.25	1.25	0.0000000000
ENSG00000276219	1.25	0.50	-1.3219280949
ENSG00000276220	46.75	37.50	-0.3180757694
ENSG00000276228	3.25	4.25	0.3870231231
ENSG00000276230	2519.50	2465.00	-0.0315498097
ENSG00000276234	240.50	238.75	-0.0105361608
ENSG00000276256	190.00	178.50	-0.0900753443
ENSG00000276262	530.00	461.50	-0.1996617118
ENSG00000276263	9.50	10.25	0.1096244912
ENSG00000276276	81.25	61.75	-0.3959286763
ENSG00000276289	8.50	10.00	0.2344652536
ENSG00000276291	292.00	278.75	-0.0669965641
ENSG00000276293	1271.50	1112.75	-0.1924019612
ENSG00000276296	9.50	10.25	0.1096244912
ENSG00000276302	5.25	1.50	-1.8073549221
ENSG00000276323	9.50	10.25	0.1096244912

ENSG00000276336	10.50	21.50	1.0339473319
ENSG00000276340	602.50	389.50	-0.6293379131
ENSG00000276341	9.00	4.00	-1.1699250014
ENSG00000276354	0.75	1.50	1.0000000000
ENSG00000276358	619.75	505.00	-0.2954029784
ENSG00000276371	55.50	69.75	0.3297054455
ENSG00000276375	2.50	0.50	-2.3219280949
ENSG00000276386	8.00	11.25	0.4918530963
ENSG00000276391	0.75	0.75	0.0000000000
ENSG00000276405	1.75	1.25	-0.4854268272
ENSG00000276410	0.25	0.25	0.0000000000
ENSG00000276416	9.25	6.75	-0.4545658635
ENSG00000276421	2.50	3.00	0.2630344058
ENSG00000276429	0.75	1.00	0.4150374993
ENSG00000276432	1.25	1.00	-0.3219280949
ENSG00000276438	7.50	9.75	0.3785116233
ENSG00000276452	7.25	3.75	-0.9510903995
ENSG00000276458	118.75	106.75	-0.1536914436
ENSG00000276461	124.25	97.00	-0.3571891994
ENSG00000276463	245.00	307.25	0.3266312614
ENSG00000276464	117.00	91.00	-0.3625700794
ENSG00000276469	0.25	1.75	2.8073549221
ENSG00000276480	84.75	116.25	0.4559454429
ENSG00000276482	298.25	275.75	-0.1131612521
ENSG00000276490	0.25	1.00	2.0000000000
ENSG00000276495	73.50	77.00	0.0671141959
ENSG00000276497	160.75	132.50	-0.2788263779
ENSG00000276504	48.50	41.25	-0.2335906279
ENSG00000276536	169.25	204.25	0.2711802446
ENSG00000276537	2.00	0.75	-1.4150374993
ENSG00000276541	10.25	9.50	-0.1096244912
ENSG00000276545	5.25	2.50	-1.0703893279
ENSG00000276547	1186.75	980.75	-0.2750587144
ENSG00000276550	1983.75	1879.00	-0.0782651563
ENSG00000276561	87.50	90.00	0.0406419845
ENSG00000276565	4.25	2.00	-1.0874628413
ENSG00000276569	4.75	2.25	-1.0780025120
ENSG00000276578	49.50	37.00	-0.4199032545
ENSG00000276583	4.50	2.25	-1.0000000000
ENSG00000276592	2.75	1.75	-0.6520766966
ENSG00000276600	509.00	139.00	-1.8725807734
ENSG00000276612	5.00	4.75	-0.0740005814
ENSG00000276615	6.75	3.75	-0.8479969066

ENSG00000276616	0.50	0.25	-1.0000000000
ENSG00000276618	159.25	155.25	-0.0367001040
ENSG00000276628	11.25	8.00	-0.4918530963
ENSG00000276644	4.75	1.00	-2.2479275134
ENSG00000276657	61.00	73.50	0.2689350073
ENSG00000276662	0.50	0.25	-1.0000000000
ENSG00000276681	914.50	999.50	0.1282233970
ENSG00000276684	53.25	64.25	0.2709149290
ENSG00000276701	1310.25	1390.50	0.0857616357
ENSG00000276709	156.75	141.25	-0.1502145755
ENSG00000276710	83.25	44.25	-0.9117728170
ENSG00000276715	0.25	0.25	0.0000000000
ENSG00000276720	1.75	1.75	0.0000000000
ENSG00000276725	1069.75	756.50	-0.4998616914
ENSG00000276726	382.75	323.75	-0.2415221849
ENSG00000276734	2.00	1.50	-0.4150374993
ENSG00000276756	1.50	2.50	0.7369655942
ENSG00000276761	231.50	200.25	-0.2092099509
ENSG00000276766	46.75	37.50	-0.3180757694
ENSG00000276774	11.25	8.00	-0.4918530963
ENSG00000276776	13.00	17.75	0.4493074014
ENSG00000276777	0.50	0.25	-1.0000000000
ENSG00000276780	3.25	9.25	1.5090136475
ENSG00000276787	297.50	232.25	-0.3572110718
ENSG00000276794	12.25	7.25	-0.7567288490
ENSG00000276799	2.00	0.50	-2.0000000000
ENSG00000276802	739.00	798.50	0.1117180433
ENSG00000276805	117.25	107.50	-0.1252512629
ENSG00000276822	8.00	8.75	0.1292830169
ENSG00000276825	3.75	2.50	-0.5849625007
ENSG00000276826	9.00	4.00	-1.1699250014
ENSG00000276833	1300.50	1408.25	0.1148370723
ENSG00000276836	47.25	35.50	-0.4124953047
ENSG00000276838	2.25	2.25	0.0000000000
ENSG00000276840	17.75	12.25	-0.5350372754
ENSG00000276848	6.50	5.25	-0.3081222954
ENSG00000276849	22.00	23.25	0.0797271925
ENSG00000276856	47.00	37.25	-0.3354203312
ENSG00000276868	1.25	0.75	-0.7369655942
ENSG00000276870	2.25	2.25	0.0000000000
ENSG00000276879	356.50	287.00	-0.3128513398
ENSG00000276880	87.50	83.50	-0.0675068194
ENSG00000276886	113750.50	93540.25	-0.2822136971

ENSG00000276887	7.00	13.50	0.9475325801
ENSG00000276896	0.75	0.50	-0.5849625007
ENSG00000276903	0.25	0.25	0.0000000000
ENSG00000276907	42.00	26.75	-0.6508504364
ENSG00000276909	6.25	2.75	-1.1844245711
ENSG00000276910	222.00	353.50	0.6711505385
ENSG00000276914	159.00	126.25	-0.3327433776
ENSG00000276920	44.75	112.75	1.3331678460
ENSG00000276935	276.75	151.25	-0.8716481746
ENSG00000276945	3.00	2.50	-0.2630344058
ENSG00000276950	1.25	1.25	0.0000000000
ENSG00000276953	5.00	3.75	-0.4150374993
ENSG00000276966	4.75	6.25	0.3959286763
ENSG00000276971	5.25	10.00	0.9296106721
ENSG00000276975	110.25	130.75	0.2460322907
ENSG00000276982	0.25	0.25	0.0000000000
ENSG00000276996	0.25	1.00	2.0000000000
ENSG00000277005	27.00	26.25	-0.0406419845
ENSG00000277024	1.00	0.50	-1.0000000000
ENSG00000277033	14.00	24.50	0.8073549221
ENSG00000277044	14.75	9.75	-0.5972408305
ENSG00000277053	2983.00	2984.75	0.0008461200
ENSG00000277060	1.00	0.25	-2.0000000000
ENSG00000277072	145.75	118.00	-0.3047090238
ENSG00000277075	2.00	2.00	0.0000000000
ENSG00000277077	0.25	0.25	0.0000000000
ENSG00000277079	1090.75	996.25	-0.1307407495
ENSG00000277086	27.75	34.50	0.3141085904
ENSG00000277088	0.25	0.25	0.0000000000
ENSG00000277090	0.50	0.75	0.5849625007
ENSG00000277101	24.25	13.75	-0.8185531287
ENSG00000277104	9.25	6.25	-0.5655971759
ENSG00000277111	167.50	161.75	-0.0503953834
ENSG00000277114	19.50	20.00	0.0365258760
ENSG00000277117	6.25	2.75	-1.1844245711
ENSG00000277125	5.50	1.25	-2.1375035237
ENSG00000277140	1155.50	882.50	-0.3888490763
ENSG00000277149	23.25	17.00	-0.4516959699
ENSG00000277150	124.00	126.00	0.0230836131
ENSG00000277154	2.50	3.00	0.2630344058
ENSG00000277156	3.25	1.25	-1.3785116233
ENSG00000277157	0.75	0.50	-0.5849625007
ENSG00000277161	50.00	51.00	0.0285691522

ENSG00000277177	0.75	0.75	0.0000000000
ENSG00000277196	0.50	63.75	6.9943534369
ENSG00000277203	327.25	342.25	0.0646573493
ENSG00000277221	108.75	82.50	-0.3985493765
ENSG00000277222	635.25	630.00	-0.0119726417
ENSG00000277224	0.75	0.50	-0.5849625007
ENSG00000277238	1.75	1.00	-0.8073549221
ENSG00000277241	3.00	7.00	1.2223924213
ENSG00000277254	0.25	0.25	0.0000000000
ENSG00000277258	482.00	358.25	-0.4280664420
ENSG00000277273	376.75	478.50	0.3449114129
ENSG00000277276	4.75	2.25	-1.0780025120
ENSG00000277278	3.25	3.50	0.1069152039
ENSG00000277281	1.25	1.75	0.4854268272
ENSG00000277288	22.50	5.75	-1.9682911403
ENSG00000277290	3.50	2.00	-0.8073549221
ENSG00000277292	1271.50	1112.75	-0.1924019612
ENSG00000277297	3.50	1.25	-1.4854268272
ENSG00000277303	13.50	25.25	0.9033239806
ENSG00000277304	29.25	31.75	0.1183199672
ENSG00000277349	0.25	0.25	0.0000000000
ENSG00000277354	3.50	22.00	2.6520766966
ENSG00000277359	1090.75	996.25	-0.1307407495
ENSG00000277363	2.00	1.25	-0.6780719051
ENSG00000277364	0.50	0.25	-1.0000000000
ENSG00000277365	119.25	116.00	-0.0398644609
ENSG00000277397	10.25	1.75	-2.5501970826
ENSG00000277399	0.50	13.25	4.7279204546
ENSG00000277400	266.25	277.25	0.0584059350
ENSG00000277401	1858.00	1972.50	0.0862747985
ENSG00000277406	1.25	0.75	-0.7369655942
ENSG00000277414	1.00	0.75	-0.4150374993
ENSG00000277421	8.50	5.00	-0.7655347464
ENSG00000277424	247.25	254.50	0.0416951353
ENSG00000277429	77.75	65.00	-0.2584029571
ENSG00000277435	1.25	1.25	0.0000000000
ENSG00000277439	0.25	0.50	1.0000000000
ENSG00000277443	8796.25	3518.25	-1.3220306063
ENSG00000277445	33.25	10.00	-1.7333543406
ENSG00000277454	15.00	4.00	-1.9068905956
ENSG00000277457	11.25	8.00	-0.4918530963
ENSG00000277462	48.00	52.00	0.1154772174
ENSG00000277475	5.50	4.25	-0.3719687774

ENSG00000277481	0.75	1.00	0.4150374993
ENSG00000277493	1.50	1.75	0.2223924213
ENSG00000277507	3.50	2.50	-0.4854268272
ENSG00000277518	2.25	1.50	-0.5849625007
ENSG00000277555	0.25	0.25	0.0000000000
ENSG00000277561	1.00	2.50	1.3219280949
ENSG00000277564	212.75	137.00	-0.6349832387
ENSG00000277571	21.00	27.25	0.3758669020
ENSG00000277585	0.75	0.25	-1.5849625007
ENSG00000277586	15.00	27.75	0.8875252707
ENSG00000277594	64.00	54.00	-0.2451124978
ENSG00000277600	79.00	44.75	-0.8199649709
ENSG00000277606	29.00	22.25	-0.3822475642
ENSG00000277614	75.75	17.75	-2.0934268640
ENSG00000277615	3.75	5.50	0.5525410230
ENSG00000277626	21.00	33.25	0.6629650127
ENSG00000277641	4.75	6.50	0.4525122047
ENSG00000277649	122.50	114.00	-0.1037479248
ENSG00000277656	530.75	430.75	-0.3011816697
ENSG00000277669	13.25	1.00	-3.7279204546
ENSG00000277702	34.75	30.25	-0.2000778354
ENSG00000277705	0.75	0.50	-0.5849625007
ENSG00000277707	2.50	3.00	0.2630344058
ENSG00000277722	46.75	37.50	-0.3180757694
ENSG00000277726	37.00	38.50	0.0573331751
ENSG00000277734	0.50	1.00	1.0000000000
ENSG00000277741	1.50	3.25	1.1154772174
ENSG00000277745	0.50	1.25	1.3219280949
ENSG00000277751	0.25	0.25	0.0000000000
ENSG00000277753	23.00	22.25	-0.0478285251
ENSG00000277758	51.00	70.50	0.4671260104
ENSG00000277773	367.00	348.25	-0.0756567102
ENSG00000277781	42.75	51.50	0.2686480123
ENSG00000277789	7.50	7.50	0.0000000000
ENSG00000277791	441.50	430.50	-0.0364002003
ENSG00000277795	1.25	1.50	0.2630344058
ENSG00000277816	1.00	1.75	0.8073549221
ENSG00000277823	2.75	2.00	-0.4594316186
ENSG00000277848	1.25	0.75	-0.7369655942
ENSG00000277852	0.50	0.25	-1.0000000000
ENSG00000277858	0.25	0.25	0.0000000000
ENSG00000277865	4.75	3.75	-0.3410369178
ENSG00000277868	104.50	62.75	-0.7358155781

ENSG00000277877	40.25	36.25	-0.1510077881
ENSG00000277893	0.50	1.25	1.3219280949
ENSG00000277909	10.75	4.00	-1.4262647547
ENSG00000277926	0.25	0.75	1.5849625007
ENSG00000277936	555.00	507.75	-0.1283694369
ENSG00000277953	2.50	3.00	0.2630344058
ENSG00000277956	28.00	12.75	-1.1349295801
ENSG00000277957	12.50	8.50	-0.5563933485
ENSG00000277972	139.25	172.25	0.3068266554
ENSG00000277974	3.50	7.50	1.0995356736
ENSG00000277977	4.50	1.00	-2.1699250014
ENSG00000277983	6.25	28.75	2.2016338612
ENSG00000277984	0.25	1.50	2.5849625007
ENSG00000278001	1.50	2.50	0.7369655942
ENSG00000278016	94.75	93.00	-0.0268952271
ENSG00000278023	1.25	1.00	-0.3219280949
ENSG00000278030	5.25	5.25	0.0000000000
ENSG00000278032	1943.50	1578.75	-0.2998743737
ENSG00000278053	603.75	497.75	-0.2785299680
ENSG00000278062	196.25	254.75	0.3763894924
ENSG00000278077	0.50	0.25	-1.0000000000
ENSG00000278080	11.25	10.50	-0.0995356736
ENSG00000278081	1090.75	996.25	-0.1307407495
ENSG00000278087	1196.00	940.50	-0.3467175407
ENSG00000278088	4.25	4.00	-0.0874628413
ENSG00000278091	34.25	22.00	-0.6386004643
ENSG00000278114	4.50	2.25	-1.0000000000
ENSG00000278119	82.25	75.50	-0.1235390344
ENSG00000278129	248.50	235.75	-0.0759880809
ENSG00000278131	31.00	11.75	-1.3996074587
ENSG00000278134	4.00	2.25	-0.8300749986
ENSG00000278145	0.25	0.25	0.0000000000
ENSG00000278149	9.00	4.00	-1.1699250014
ENSG00000278154	0.50	0.75	0.5849625007
ENSG00000278161	9.50	10.25	0.1096244912
ENSG00000278165	7.25	3.75	-0.9510903995
ENSG00000278174	113.00	106.50	-0.0854693422
ENSG00000278183	3308.25	2238.00	-0.5638582248
ENSG00000278186	0.75	5.00	2.7369655942
ENSG00000278191	652.50	433.00	-0.5916108767
ENSG00000278195	3.00	1.25	-1.2630344058
ENSG00000278198	0.50	1.50	1.5849625007
ENSG00000278205	0.25	0.25	0.0000000000

ENSG00000278211	522.25	308.00	-0.7618102364
ENSG00000278212	4.50	5.25	0.2223924213
ENSG00000278213	1.00	1.25	0.3219280949
ENSG00000278220	219.00	226.75	0.0501716809
ENSG00000278224	11.00	7.25	-0.6014506235
ENSG00000278229	6258.50	5719.00	-0.1300540165
ENSG00000278243	265.00	223.00	-0.2489486495
ENSG00000278244	0.50	0.50	0.0000000000
ENSG00000278257	11.25	8.00	-0.4918530963
ENSG00000278259	193.50	182.00	-0.0883951159
ENSG00000278268	160.50	189.00	0.2358129371
ENSG00000278270	587.25	518.50	-0.1796308192
ENSG00000278275	2.25	4.50	1.0000000000
ENSG00000278279	8.50	6.50	-0.3870231231
ENSG00000278284	9.00	4.00	-1.1699250014
ENSG00000278299	118.75	81.25	-0.5474877953
ENSG00000278301	11.00	9.50	-0.2115041052
ENSG00000278307	1.00	0.75	-0.4150374993
ENSG00000278308	9.50	6.25	-0.6040713237
ENSG00000278310	1.50	1.00	-0.5849625007
ENSG00000278311	772.75	732.50	-0.0771729895
ENSG00000278312	0.75	1.50	1.0000000000
ENSG00000278313	0.50	0.75	0.5849625007
ENSG00000278318	360.00	296.75	-0.2787488767
ENSG00000278326	48.75	52.50	0.1069152039
ENSG00000278362	0.25	0.50	1.0000000000
ENSG00000278365	46.75	37.50	-0.3180757694
ENSG00000278372	193.50	182.00	-0.0883951159
ENSG00000278373	2.25	0.50	-2.1699250014
ENSG00000278378	0.25	0.25	0.0000000000
ENSG00000278384	65.00	55.00	-0.2410080995
ENSG00000278415	0.50	0.50	0.0000000000
ENSG00000278416	6.50	6.25	-0.0565835284
ENSG00000278426	11.25	8.00	-0.4918530963
ENSG00000278440	6.00	6.50	0.1154772174
ENSG00000278444	38.75	45.25	0.2237214818
ENSG00000278455	0.25	0.50	1.0000000000
ENSG00000278458	760.00	733.50	-0.0512024527
ENSG00000278468	2.00	2.50	0.3219280949
ENSG00000278488	268.50	246.50	-0.1233344416
ENSG00000278494	368.00	390.25	0.0846928659
ENSG00000278499	0.75	1.75	1.2223924213
ENSG00000278501	122.50	114.00	-0.1037479248

ENSG00000278504	0.25	0.50	1.0000000000
ENSG00000278505	0.25	0.25	0.0000000000
ENSG00000278516	3.50	16.00	2.1926450779
ENSG00000278530	13.75	6.50	-1.0809199954
ENSG00000278533	0.25	0.25	0.0000000000
ENSG00000278535	23.75	22.75	-0.0620609681
ENSG00000278540	1029.25	804.25	-0.3558775127
ENSG00000278543	0.25	0.50	1.0000000000
ENSG00000278545	82.75	125.00	0.5950968779
ENSG00000278550	197.50	148.25	-0.4138205485
ENSG00000278558	12.75	19.25	0.5943611987
ENSG00000278562	1.50	0.50	-1.5849625007
ENSG00000278570	4.50	2.75	-0.7104933828
ENSG00000278572	10.25	2.75	-1.8981203860
ENSG00000278574	187.00	153.50	-0.2847996145
ENSG00000278594	0.50	1.25	1.3219280949
ENSG00000278599	1.50	0.25	-2.5849625007
ENSG00000278603	2.50	1.50	-0.7369655942
ENSG00000278605	67.25	105.25	0.6462140605
ENSG00000278608	4.75	26.50	2.4799929411
ENSG00000278613	114.50	91.50	-0.3235039498
ENSG00000278615	303.00	306.75	0.0177455502
ENSG00000278616	77.00	87.50	0.1844245711
ENSG00000278619	26.25	24.75	-0.0848888976
ENSG00000278622	251.00	240.75	-0.0601515661
ENSG00000278624	2.00	1.50	-0.4150374993
ENSG00000278631	0.75	0.25	-1.5849625007
ENSG00000278632	13.50	11.50	-0.2313255461
ENSG00000278634	0.25	0.25	0.0000000000
ENSG00000278644	482.00	358.25	-0.4280664420
ENSG00000278654	2.50	1.25	-1.0000000000
ENSG00000278655	0.75	0.50	-0.5849625007
ENSG00000278662	13.00	7.00	-0.8930847961
ENSG00000278666	75.00	45.50	-0.7210240503
ENSG00000278674	0.25	0.75	1.5849625007
ENSG00000278677	0.25	1.00	2.0000000000
ENSG00000278685	0.25	0.25	0.0000000000
ENSG00000278693	18.75	43.50	1.2141248054
ENSG00000278695	1.50	1.25	-0.2630344058
ENSG00000278704	17.00	13.75	-0.3061031277
ENSG00000278712	0.50	0.75	0.5849625007
ENSG00000278718	320.50	321.50	0.0044943807
ENSG00000278728	1.50	2.00	0.4150374993

ENSG00000278741	2360.25	1528.75	-0.6265871806
ENSG00000278742	50.75	72.50	0.5145731728
ENSG00000278744	0.50	0.25	-1.0000000000
ENSG00000278759	236.50	205.50	-0.2027017897
ENSG00000278760	2.25	5.25	1.2223924213
ENSG00000278763	3.00	1.25	-1.2630344058
ENSG00000278767	8.25	9.75	0.2410080995
ENSG00000278780	15.25	6.25	-1.2868811478
ENSG00000278787	361.25	296.75	-0.2837495577
ENSG00000278788	534.75	753.25	0.4942641904
ENSG00000278817	1.75	25.00	3.8365012677
ENSG00000278823	66.75	85.25	0.3529319973
ENSG00000278828	13.75	12.75	-0.1089343716
ENSG00000278839	67.75	66.00	-0.0377549220
ENSG00000278843	0.75	7.00	3.2223924213
ENSG00000278845	142.00	127.25	-0.1582252734
ENSG00000278868	1.25	1.50	0.2630344058
ENSG00000278881	0.50	0.25	-1.0000000000
ENSG00000278882	39.75	54.50	0.4553013695
ENSG00000278883	3.00	2.75	-0.1255308821
ENSG00000278888	0.50	0.50	0.0000000000
ENSG00000278899	4.25	4.00	-0.0874628413
ENSG00000278919	4.25	2.00	-1.0874628413
ENSG00000278931	5.00	2.50	-1.0000000000
ENSG00000278939	0.25	0.25	0.0000000000
ENSG00000279007	76.25	71.50	-0.0927940957
ENSG00000279018	3.75	5.00	0.4150374993
ENSG00000279037	0.25	0.25	0.0000000000
ENSG00000279062	1.25	0.25	-2.3219280949
ENSG00000279068	5.00	2.25	-1.1520030934
ENSG00000279073	0.75	0.50	-0.5849625007
ENSG00000279084	0.75	1.50	1.0000000000
ENSG00000279096	0.50	0.50	0.0000000000
ENSG00000279112	0.75	1.50	1.0000000000
ENSG00000279119	27.00	26.25	-0.0406419845
ENSG00000279126	37.00	27.00	-0.4545658635
ENSG00000279152	12.50	6.75	-0.8889686876
ENSG00000279168	2.00	1.25	-0.6780719051
ENSG00000279177	4.75	4.75	0.0000000000
ENSG00000279183	0.75	1.50	1.0000000000
ENSG00000279208	17.00	15.00	-0.1805722456
ENSG00000279213	1.00	0.75	-0.4150374993
ENSG00000279229	0.25	0.25	0.0000000000

ENSG00000279232	562.25	267.00	-1.0743720141
ENSG00000279238	1.00	0.25	-2.0000000000
ENSG00000279239	0.25	0.75	1.5849625007
ENSG00000279244	1.75	2.25	0.3625700794
ENSG00000279247	190.50	176.75	-0.1080807827
ENSG00000279257	12.75	14.50	0.1855556532
ENSG00000279261	2.00	1.75	-0.1926450779
ENSG00000279282	2.50	2.25	-0.1520030934
ENSG00000279335	0.25	0.25	0.0000000000
ENSG00000279336	1.75	2.25	0.3625700794
ENSG00000279342	6.50	5.75	-0.1768777621
ENSG00000279374	1.25	1.75	0.4854268272
ENSG00000279381	1.50	0.50	-1.5849625007
ENSG00000279386	4.00	2.50	-0.6780719051
ENSG00000279389	0.25	0.75	1.5849625007
ENSG00000279392	0.50	0.25	-1.0000000000
ENSG00000279413	20.25	28.50	0.4930400113
ENSG00000279414	0.50	0.50	0.0000000000
ENSG00000279457	310.00	282.00	-0.1365730529
ENSG00000279461	0.50	0.75	0.5849625007
ENSG00000279471	0.50	0.50	0.0000000000
ENSG00000279483	180.75	13.75	-3.7164921234
ENSG00000279487	58.25	77.75	0.4165846255
ENSG00000279508	171.75	173.75	0.0167028788
ENSG00000279530	13.00	10.50	-0.3081222954
ENSG00000279533	2.25	8.75	1.9593580155
ENSG00000279538	0.75	0.50	-0.5849625007
ENSG00000279560	41.75	35.75	-0.2238329557
ENSG00000279566	93.00	38.75	-1.2630344058
ENSG00000279576	2148.50	2087.00	-0.0418991766
ENSG00000279624	13.75	11.50	-0.2577977575
ENSG00000279643	40.00	29.75	-0.4271103316
ENSG00000279644	1.50	4.75	1.6629650127
ENSG00000279646	3.25	2.50	-0.3785116233
ENSG00000279654	37.00	27.00	-0.4545658635
ENSG00000279718	1.75	4.00	1.1926450779
ENSG00000279720	3.25	1.75	-0.8930847961
ENSG00000279724	1.25	0.75	-0.7369655942
ENSG00000279735	1.00	0.25	-2.0000000000
ENSG00000279745	4.75	3.25	-0.5474877953
ENSG00000279765	329.75	291.25	-0.1791146097
ENSG00000279767	1.50	15.25	3.3457748368
ENSG00000279768	4.25	4.25	0.0000000000

ENSG00000279777	39.25	23.50 -0.7400318972
ENSG00000279816	4.00	3.50 -0.1926450779
ENSG00000279849	9.00	11.25 0.3219280949
ENSG00000279906	14.75	7.50 -0.9757524538
ENSG00000279921	40.50	26.50 -0.6119295483
ENSG00000279928	3.00	1.75 -0.7776075787
ENSG00000279937	2.25	2.00 -0.1699250014
ENSG00000279956	4.75	4.25 -0.1604646722
ENSG00000279968	11.25	5.75 -0.9682911403
ENSG00000279983	0.50	0.50 0.0000000000
ENSG00000279986	0.75	3.75 2.3219280949
ENSG00000280006	51.75	41.25 -0.3271647433
ENSG00000280071	802.25	784.75 -0.0318187607
ENSG00000280080	0.50	0.25 -1.0000000000
ENSG00000280116	1.00	0.75 -0.4150374993
ENSG00000280130	20.75	13.75 -0.5936797178
ENSG00000280148	0.25	1.50 2.5849625007
ENSG00000280151	29.25	25.00 -0.2265085298
ENSG00000280165	0.25	0.25 0.0000000000
ENSG00000280170	4.75	1.25 -1.9259994186
ENSG00000280175	6.25	3.25 -0.9434164716
ENSG00000280178	0.75	2.00 1.4150374993
ENSG00000280184	36.00	32.50 -0.1475571884
ENSG00000280221	2.50	0.25 -3.3219280949
ENSG00000280226	1.25	1.00 -0.3219280949
ENSG00000280230	4.50	5.00 0.1520030934
ENSG00000280240	6.50	2.50 -1.3785116233
ENSG00000280243	3.25	1.75 -0.8930847961
ENSG00000280249	0.75	0.25 -1.5849625007
ENSG00000280252	9.25	9.75 0.0759488532
ENSG00000280273	2.25	1.50 -0.5849625007
ENSG00000280298	1.50	0.50 -1.5849625007
ENSG00000280308	10.00	6.50 -0.6214883767
ENSG00000280316	14.00	15.00 0.0995356736
ENSG00000280330	4.75	4.75 0.0000000000
ENSG00000280403	2.00	1.25 -0.6780719051
ENSG00000280404	2.75	4.00 0.5405683814
ENSG00000280433	113.00	126.50 0.1628146123
ENSG00000280436	1.25	1.25 0.0000000000
ENSG00000280447	30.25	40.50 0.4209867656
ENSG00000280467	125.75	96.50 -0.3819575525
ENSG00000280477	566.75	603.25 0.0900435245
ENSG00000280479	124.50	97.25 -0.3563755871

ENSG00000280495	243.25	258.75	0.0891190576
ENSG00000280516	197.75	197.00	-0.0054820650
ENSG00000280518	34.00	30.50	-0.1567255037
ENSG00000280521	18.50	16.75	-0.1433641752
ENSG00000280529	72.25	84.00	0.2173917403
ENSG00000280537	32.75	34.25	0.0646090814
ENSG00000280544	0.50	0.25	-1.0000000000
ENSG00000280548	484.50	483.50	-0.0029807759
ENSG00000280550	1.00	3.75	1.9068905956
ENSG00000280563	0.25	0.25	0.0000000000
ENSG00000280568	225.00	194.75	-0.2083016732
ENSG00000280571	2.00	5.25	1.3923174228
ENSG00000280606	2404.75	2236.50	-0.1046441596
ENSG00000280610	21.50	18.00	-0.2563397533
ENSG00000280616	649.00	510.50	-0.3463075171
ENSG00000280618	327.25	319.50	-0.0345772610
ENSG00000280627	229.25	203.50	-0.1718929393
ENSG00000280638	11.25	10.25	-0.1343010917
ENSG00000280641	1.25	15.25	3.6088092427
ENSG00000280649	45.00	44.75	-0.0080373191
ENSG00000280661	31.50	33.75	0.0995356736
ENSG00000280663	320.75	238.00	-0.4304876918
ENSG00000280670	43.00	27.75	-0.6318488884
ENSG00000280674	953.25	1085.00	0.1867685116
ENSG00000280680	55.75	44.75	-0.3170841227
ENSG00000280682	988.75	1186.75	0.2633383551
ENSG00000280689	179.50	156.75	-0.1955184010
ENSG00000280706	295.25	262.75	-0.1682462954
ENSG00000280751	0.75	0.75	0.0000000000
ENSG00000280755	90.50	82.25	-0.1379021133
ENSG00000280759	312.00	298.50	-0.0638150976
ENSG00000280778	0.75	1.25	0.7369655942
ENSG00000280787	55.75	58.25	0.0632862447
ENSG00000280789	409.25	261.75	-0.6447928795
ENSG00000280795	4.00	1.50	-1.4150374993
ENSG00000280810	16.50	14.50	-0.1864131242
ENSG00000280828	91.75	78.75	-0.2204282345
ENSG00000280830	38.50	42.25	0.1340928956
ENSG00000280831	4379.25	3896.50	-0.1685049955
ENSG00000280852	30.50	14.00	-1.1233824155
ENSG00000280858	11538.00	9789.50	-0.2370860875
ENSG00000280873	122.50	121.50	-0.0118254354
ENSG00000280908	0.50	0.25	-1.0000000000

ENSG00000280909	18.50	16.75 -0.1433641752
ENSG00000280912	18.50	16.75 -0.1433641752
ENSG00000280913	4.00	4.25 0.0874628413
ENSG00000280917	1.75	0.75 -1.2223924213
ENSG00000280951	2732.75	2855.00 0.0631372617
ENSG00000280960	0.25	0.25 0.0000000000
ENSG00000280962	325.50	253.75 -0.3592497211
ENSG00000280975	92.00	75.75 -0.2803879726
ENSG00000280987	1932.25	1892.50 -0.0299884660
ENSG00000281013	153.75	125.25 -0.2957758070
ENSG00000281022	417.75	353.25 -0.2419502677
ENSG00000281024	68.50	66.50 -0.0427496475
ENSG00000281028	44.75	24.75 -0.8544591572
ENSG00000281039	47.25	29.50 -0.6795993749
ENSG00000281051	0.25	0.25 0.0000000000
ENSG00000281076	4.75	3.00 -0.6629650127
ENSG00000281089	272.75	319.25 0.2271074234
ENSG00000281123	4.25	7.25 0.7705181539
ENSG00000281133	0.75	1.00 0.4150374993
ENSG00000281165	46.50	45.75 -0.0234589728
ENSG00000281166	3.25	9.25 1.5090136475
ENSG00000281178	1129.25	1189.50 0.0749903580
ENSG00000281192	0.50	0.25 -1.0000000000
ENSG00000281216	348.25	258.00 -0.4327522872
ENSG00000281221	473.00	502.25 0.0865654754
ENSG00000281230	7.50	6.00 -0.3219280949
ENSG00000281233	16.75	8.75 -0.9368061735
ENSG00000281237	18.50	16.75 -0.1433641752
ENSG00000281244	95.75	87.75 -0.1258733616
ENSG00000281245	10.75	10.25 -0.0687127501
ENSG00000281267	0.75	0.25 -1.5849625007
ENSG00000281269	0.25	0.75 1.5849625007
ENSG00000281283	5.25	1.50 -1.8073549221
ENSG00000281287	5.50	4.75 -0.2115041052
ENSG00000281289	131.75	242.75 0.8816683338
ENSG00000281300	0.25	0.25 0.0000000000
ENSG00000281306	55.25	60.75 0.1369099442
ENSG00000281309	318.25	315.25 -0.0136641436
ENSG00000281320	263.50	177.00 -0.5740536016
ENSG00000281324	1118.75	794.50 -0.4937685577
ENSG00000281325	0.75	1.00 0.4150374993
ENSG00000281331	1.00	0.75 -0.4150374993
ENSG00000281334	18.50	16.75 -0.1433641752

ENSG00000281348	20.00	10.00 -1.0000000000
ENSG00000281356	3.00	2.25 -0.4150374993
ENSG00000281369	0.50	1.00 1.0000000000
ENSG00000281379	9.75	5.00 -0.9634741240
ENSG00000281380	21.00	5.25 -2.0000000000
ENSG00000281385	573.25	463.50 -0.3065951110
ENSG00000281387	0.25	0.25 0.0000000000
ENSG00000281409	0.25	0.50 1.0000000000
ENSG00000281417	0.25	0.25 0.0000000000
ENSG00000281418	18.50	16.75 -0.1433641752
ENSG00000281420	0.75	0.50 -0.5849625007
ENSG00000281434	718.25	669.50 -0.1014020322
ENSG00000281448	51.25	49.50 -0.0501234794
ENSG00000281449	1.75	1.00 -0.8073549221
ENSG00000281459	0.25	0.50 1.0000000000
ENSG00000281484	12.75	12.50 -0.0285691522
ENSG00000281487	11.25	6.75 -0.7369655942
ENSG00000281490	252.25	231.75 -0.1222849305
ENSG00000281500	73.00	53.25 -0.4551149387
ENSG00000281518	2.00	3.50 0.8073549221
ENSG00000281519	1.25	1.00 -0.3219280949
ENSG00000281526	70.50	52.50 -0.4253058347
ENSG00000281527	0.50	2.50 2.3219280949
ENSG00000281540	735.75	618.25 -0.2510253026
ENSG00000281571	52.25	47.50 -0.1375035237
ENSG00000281593	4.00	6.00 0.5849625007
ENSG00000281601	144.25	133.25 -0.1144357859
ENSG00000281614	14.00	8.75 -0.6780719051
ENSG00000281617	0.25	1.00 2.0000000000
ENSG00000281618	7.50	6.00 -0.3219280949
ENSG00000281626	24.75	18.25 -0.4395320612
ENSG00000281630	1.25	3.50 1.4854268272
ENSG00000281642	1.00	1.00 0.0000000000
ENSG00000281661	44.75	36.00 -0.3138907758
ENSG00000281665	613.50	535.75 -0.1955033990
ENSG00000281687	18.50	16.75 -0.1433641752
ENSG00000281690	9.50	6.00 -0.6629650127
ENSG00000281697	4.50	2.50 -0.8479969066
ENSG00000281702	92.25	86.50 -0.0928487784
ENSG00000281703	8.50	4.75 -0.8395353278
ENSG00000281709	292.75	217.50 -0.4286537698
ENSG00000281722	1.25	0.75 -0.7369655942
ENSG00000281741	19.00	19.00 0.0000000000

ENSG00000281742	5.50	7.25	0.3985493765
ENSG00000281748	1.75	0.75	-1.2223924213
ENSG00000281763	106.25	126.75	0.2545229060
ENSG00000281766	1033.25	1176.00	0.1866986965
ENSG00000281775	6.25	12.25	0.9708536543
ENSG00000281782	1.25	1.00	-0.3219280949
ENSG00000281797	2.25	1.25	-0.8479969066
ENSG00000281813	1028.75	892.75	-0.2045642967
ENSG00000281818	442.00	349.75	-0.3377223122
ENSG00000281835	1.25	1.00	-0.3219280949
ENSG00000281840	14.75	9.25	-0.6731896837
ENSG00000281847	2.50	1.75	-0.5145731728
ENSG00000281848	29.00	28.75	-0.0124909442
ENSG00000281857	12.00	8.00	-0.5849625007
ENSG00000281877	6.50	6.75	0.0544477840
ENSG00000281883	5.50	4.75	-0.2115041052
ENSG00000281886	0.25	0.75	1.5849625007
ENSG00000281889	0.25	0.50	1.0000000000
ENSG00000281894	68.75	45.00	-0.6114347121
ENSG00000281896	4.25	8.50	1.0000000000
ENSG00000281897	125.75	96.50	-0.3819575525
ENSG00000281899	0.50	0.75	0.5849625007
ENSG00000281900	0.50	0.75	0.5849625007
ENSG00000281909	2.50	0.75	-1.7369655942
ENSG00000281913	4.25	4.00	-0.0874628413
ENSG00000281917	443.50	351.00	-0.3374630740
ENSG00000281922	7.00	6.75	-0.0524674199
ENSG00000281931	12.75	8.25	-0.6280312226
ENSG00000281935	22.75	12.75	-0.8353692982
ENSG00000281943	2.00	4.25	1.0874628413
ENSG00000281950	34.25	26.75	-0.3565650966
ENSG00000281955	2.00	0.75	-1.4150374993
ENSG00000281965	342.75	330.00	-0.0546906415
ENSG00000281976	8.00	10.25	0.3575520046
ENSG00000281981	0.25	0.25	0.0000000000
ENSG00000281991	12.75	17.25	0.4360991148
ENSG00000281994	410.25	371.75	-0.1421705915
ENSG00000282000	0.50	0.25	-1.0000000000
ENSG00000282003	9.75	39.50	2.0183785293
ENSG00000282017	527.00	448.25	-0.2334993788
ENSG00000282019	66.25	61.50	-0.1073340441
ENSG00000282031	126.50	163.50	0.3701532508
ENSG00000282032	1.25	0.50	-1.3219280949

ENSG00000282034	408.75	505.75	0.3072056842
ENSG00000282035	3.00	1.00	-1.5849625007
ENSG00000282039	1.25	0.75	-0.7369655942
ENSG00000282046	23274.00	19690.25	-0.2412377530
ENSG00000282051	3.50	2.75	-0.3479233034
ENSG00000282052	1.75	4.00	1.1926450779
ENSG00000282054	14.25	15.00	0.0740005814
ENSG00000282068	6.75	6.00	-0.1699250014
ENSG00000282072	0.50	1.25	1.3219280949
ENSG00000282074	0.50	0.50	0.0000000000
ENSG00000282079	0.25	0.50	1.0000000000
ENSG00000282084	32.50	17.75	-0.8726206935
ENSG00000282086	782.75	981.00	0.3257015331
ENSG00000282090	1.75	0.25	-2.8073549221
ENSG00000282092	90.50	97.25	0.1037804579
ENSG00000282100	0.25	0.50	1.0000000000
ENSG00000282105	15.00	15.50	0.0473057148
ENSG00000282109	4.75	3.75	-0.3410369178
ENSG00000282130	212.50	179.25	-0.2454897223
ENSG00000282144	10.00	1.00	-3.3219280949
ENSG00000282147	3.50	12.25	1.8073549221
ENSG00000282168	188.50	145.00	-0.3785116233
ENSG00000282171	220.25	189.50	-0.2169441707
ENSG00000282174	1.00	0.50	-1.0000000000
ENSG00000282183	53.50	24.75	-1.1121103663
ENSG00000282195	3.00	2.25	-0.4150374993
ENSG00000282203	0.25	0.25	0.0000000000
ENSG00000282206	2.25	1.50	-0.5849625007
ENSG00000282208	0.25	0.25	0.0000000000
ENSG00000282222	2.00	1.75	-0.1926450779
ENSG00000282228	55.75	66.75	0.2597960318
ENSG00000282238	0.25	0.25	0.0000000000
ENSG00000282243	1520.50	1492.75	-0.0265732477
ENSG00000282246	56.00	47.75	-0.2299260940
ENSG00000282250	0.25	0.50	1.0000000000
ENSG00000282254	32.00	25.50	-0.3275746580
ENSG00000282256	2.00	0.50	-2.0000000000
ENSG00000282266	0.25	0.25	0.0000000000
ENSG00000282269	25.50	19.50	-0.3870231231
ENSG00000282276	2.00	0.50	-2.0000000000
ENSG00000282277	0.25	0.50	1.0000000000
ENSG00000282278	407.75	337.50	-0.2727973748
ENSG00000282299	3.25	1.75	-0.8930847961

ENSG00000282301	32.50	33.25	0.0329146225
ENSG00000282302	1.00	1.00	0.0000000000
ENSG00000282306	3.50	4.00	0.1926450779
ENSG00000282307	7.25	3.50	-1.0506260731
ENSG00000282339	0.50	1.25	1.3219280949
ENSG00000282340	0.75	0.25	-1.5849625007
ENSG00000282354	4.00	4.00	0.0000000000
ENSG00000282364	1.00	0.50	-1.0000000000
ENSG00000282367	333.75	321.75	-0.0528276884
ENSG00000282371	0.75	1.25	0.7369655942
ENSG00000282377	38.75	21.00	-0.8838069825
ENSG00000282379	31.50	11.00	-1.5178483049
ENSG00000282388	2.50	2.00	-0.3219280949
ENSG00000282407	1.75	1.25	-0.4854268272
ENSG00000282410	4.25	1.50	-1.5025003405
ENSG00000282411	0.50	0.50	0.0000000000
ENSG00000282413	3.00	3.25	0.1154772174
ENSG00000282417	472.25	427.00	-0.1453147268
ENSG00000282432	2.25	0.25	-3.1699250014
ENSG00000282457	39.75	49.75	0.3237416653
ENSG00000282458	1687.50	1221.00	-0.4668243018
ENSG00000282486	1.25	1.25	0.0000000000
ENSG00000282501	2.25	0.50	-2.1699250014
ENSG00000282509	3.50	3.50	0.0000000000
ENSG00000282511	3.00	1.50	-1.0000000000
ENSG00000282513	725.25	480.50	-0.5939419594
ENSG00000282514	13.25	6.00	-1.1429579538
ENSG00000282522	396.25	447.50	0.1754767471
ENSG00000282534	0.50	0.75	0.5849625007
ENSG00000282540	96.00	131.75	0.4566966509
ENSG00000282567	0.50	1.50	1.5849625007
ENSG00000282607	1.75	1.25	-0.4854268272
ENSG00000282608	0.50	0.25	-1.0000000000
ENSG00000282612	1.00	1.75	0.8073549221
ENSG00000282614	3.00	1.50	-1.0000000000
ENSG00000282619	1.75	0.50	-1.8073549221
ENSG00000282630	0.25	0.25	0.0000000000
ENSG00000282641	160.50	108.25	-0.5682062724
ENSG00000282676	2.75	2.50	-0.1375035237
ENSG00000282677	0.25	0.25	0.0000000000
ENSG00000282682	5.50	7.25	0.3985493765
ENSG00000282684	15.00	9.75	-0.6214883767
ENSG00000282689	2.25	2.50	0.1520030934

ENSG00000282707	2.75	3.50	0.3479233034
ENSG00000282712	54.50	51.00	-0.0957589828
ENSG00000282725	103.50	144.50	0.4814387250
ENSG00000282733	49.50	83.25	0.7500217470
ENSG00000282735	10.25	8.50	-0.2700891634
ENSG00000282738	0.50	0.25	-1.0000000000
ENSG00000282739	140.75	143.50	0.0279158146
ENSG00000282752	18.00	44.75	1.3138907758
ENSG00000282773	9.50	3.75	-1.3410369178
ENSG00000282774	0.50	0.75	0.5849625007
ENSG00000282785	1.50	0.50	-1.5849625007
ENSG00000282789	2.75	1.75	-0.6520766966
ENSG00000282792	1.00	0.50	-1.0000000000
ENSG00000282813	280.50	254.00	-0.1431722738
ENSG00000282815	2.00	1.00	-1.0000000000
ENSG00000282825	1038.25	1165.50	0.1667951327
ENSG00000282826	181.50	181.25	-0.0019885531
ENSG00000282827	53.00	60.00	0.1789701410
ENSG00000282830	19.00	9.75	-0.9625252946
ENSG00000282832	2.50	0.50	-2.3219280949
ENSG00000282833	53.50	30.50	-0.8107296488
ENSG00000282834	0.25	0.50	1.0000000000
ENSG00000282835	8.25	10.75	0.3818706353
ENSG00000282838	0.75	1.00	0.4150374993
ENSG00000282844	5613.00	9511.75	0.7609387375
ENSG00000282847	693.75	552.00	-0.3297475993
ENSG00000282848	2.50	7.50	1.5849625007
ENSG00000282853	677.25	768.75	0.1828260169
ENSG00000282854	977.00	819.50	-0.2536146129
ENSG00000282855	2.00	0.75	-1.4150374993
ENSG00000282856	2.00	1.75	-0.1926450779
ENSG00000282858	3.25	1.75	-0.8930847961
ENSG00000282866	18.25	7.00	-1.3824696368
ENSG00000282868	1.25	1.25	0.0000000000
ENSG00000282870	23.25	18.25	-0.3493342522
ENSG00000282871	44.25	31.50	-0.4903256266
ENSG00000282873	125.25	161.25	0.3644885571
ENSG00000282880	194.75	139.25	-0.4839460007
ENSG00000282883	1226.50	630.75	-0.9594070276
ENSG00000282886	1.00	2.00	1.0000000000
ENSG00000282888	155.75	139.75	-0.1563838802
ENSG00000282889	38.75	10.25	-1.9185724007
ENSG00000282892	125.75	96.50	-0.3819575525

ENSG00000282893	4.25	4.50	0.0824621602
ENSG00000282895	26.00	28.50	0.1324502960
ENSG00000282899	4.00	4.00	0.0000000000
ENSG00000282905	198.25	239.00	0.2696897523
ENSG00000282908	16.50	12.00	-0.4594316186
ENSG00000282910	7.75	5.25	-0.5618788876
ENSG00000282912	2.00	1.50	-0.4150374993
ENSG00000282913	1.50	0.25	-2.5849625007
ENSG00000282920	0.50	0.50	0.0000000000
ENSG00000282922	5.25	3.25	-0.6918777046
ENSG00000282928	7.50	3.25	-1.2064508775
ENSG00000282932	638.00	477.50	-0.4180556908
ENSG00000282933	0.25	0.25	0.0000000000
ENSG00000282936	39.50	36.50	-0.1139561893
ENSG00000282941	297.25	161.25	-0.8823776494
ENSG00000282942	0.75	0.50	-0.5849625007
ENSG00000282945	168.25	221.00	0.3934398648
ENSG00000282947	1698.25	1423.25	-0.2548597545
ENSG00000282948	0.50	0.50	0.0000000000
ENSG00000282954	404.00	341.75	-0.2414139551
ENSG00000282955	319.00	197.00	-0.6953607943
ENSG00000282956	265.75	405.75	0.6105214030
ENSG00000282957	47.75	41.75	-0.1937245356
ENSG00000282958	1002.75	870.75	-0.2036314932
ENSG00000282960	7.75	11.75	0.6003925413
ENSG00000282963	4.00	5.50	0.4594316186
ENSG00000282967	3.50	3.25	-0.1069152039
ENSG00000282970	1.25	0.25	-2.3219280949
ENSG00000282972	3.00	2.25	-0.4150374993
ENSG00000282974	1.00	2.00	1.0000000000
ENSG00000282980	1.00	2.75	1.4594316186
ENSG00000282984	238.75	194.25	-0.2975861345
ENSG00000282986	809.00	699.75	-0.2093001209
ENSG00000282988	14.75	9.75	-0.5972408305
ENSG00000282991	45.50	37.75	-0.2693899009
ENSG00000282992	2.75	3.00	0.1255308821
ENSG00000282995	6.50	6.25	-0.0565835284
ENSG00000283004	225.75	178.25	-0.3408239110
ENSG00000283005	0.75	0.75	0.0000000000
ENSG00000283006	0.25	0.25	0.0000000000
ENSG00000283008	1.75	1.00	-0.8073549221
ENSG00000283009	474.25	301.75	-0.6522940027
ENSG00000283013	164.25	137.00	-0.2617174774

ENSG00000283016	1.00	2.00	1.0000000000
ENSG00000283017	1082.75	1060.25	-0.0302956895
ENSG00000283018	119.75	136.50	0.1888752952
ENSG00000283020	0.75	0.75	0.0000000000
ENSG00000283021	97.50	83.50	-0.2236260213
ENSG00000283022	34.00	31.25	-0.1216785566
ENSG00000283023	14.75	13.50	-0.1277555472
ENSG00000283024	534.25	550.00	0.0419166158
ENSG00000283026	125.75	96.50	-0.3819575525
ENSG00000283028	12.00	10.00	-0.2630344058
ENSG00000283034	429.25	306.00	-0.4882864813
ENSG00000283037	8.00	6.25	-0.3561438102
ENSG00000283038	24.00	25.00	0.0588936891
ENSG00000283041	609.50	555.75	-0.1331901776
ENSG00000283042	24.00	31.25	0.3808217839
ENSG00000283046	14.25	11.50	-0.3093280581
ENSG00000283047	0.25	0.50	1.0000000000
ENSG00000283048	279.00	236.50	-0.2384249385
ENSG00000283050	106.50	83.50	-0.3510053278
ENSG00000283054	95.50	81.00	-0.2375788252
ENSG00000283056	0.75	0.50	-0.5849625007
ENSG00000283059	37.75	10.00	-1.9164766444
ENSG00000283060	60.25	61.75	0.0354778954
ENSG00000283068	641.00	553.00	-0.2130448764
ENSG00000283070	4.25	3.50	-0.2801079192
ENSG00000283074	1.00	0.50	-1.0000000000
ENSG00000283085	1090.00	765.50	-0.5098538522
ENSG00000283086	5.75	4.50	-0.3536369546
ENSG00000283087	252.50	249.50	-0.0172435723
ENSG00000283088	39.00	30.25	-0.3665389816
ENSG00000283091	68.00	55.75	-0.2865629413
ENSG00000283094	2248.50	1586.00	-0.5035701130
ENSG00000283099	0.25	0.50	1.0000000000
ENSG00000283100	632.50	545.25	-0.2141476149
ENSG00000283101	5.75	8.25	0.5208321633
ENSG00000283104	91.50	69.25	-0.4019576722
ENSG00000283111	0.25	0.25	0.0000000000
ENSG00000283120	1.25	0.75	-0.7369655942

Q. How many non-zero count genes do we have left?

```
nrow(mycounts)
```

```
[1] 21817
```

Q. How many gene are “up” regulated at a $\log_{2}fc > 2$

```
sum(mycounts$lof2fc > 2)
```

```
[1] 250
```

Q. How many genes are “down” regulated at a $\log_{2}fc < 2$

```
sum(mycounts$lof2fc < 2)
```

```
[1] 21503
```

Q. Do you trust these results? Why or why-not?

No, because we ignored the variables of mean

DESeq Analysis

To do this analysis properly we can use the BioConductor package **DESeq2**

```
library(DESeq2)
```

```
Warning: package 'DESeq2' was built under R version 4.3.3
```

```
Warning: package 'S4Vectors' was built under R version 4.3.2
```

```
Warning: package 'GenomeInfoDb' was built under R version 4.3.3
```

```
Warning: package 'SummarizedExperiment' was built under R version 4.3.2
```

```
Warning: package 'matrixStats' was built under R version 4.3.3
```

Like most BioConductor packages DESeq wants it's input in a very particular format.

```
dds <- DESeqDataSetFromMatrix(countData = counts,
                               colData = metadata,
```

```

        design = ~dex)

converting counts to integer mode

Warning in DESeqDataSet(se, design = design, ignoreRank): some variables in
design formula are characters, converting to factors

#results(dds)

dds <- DESeq(dds)

estimating size factors

estimating dispersions

gene-wise dispersion estimates

mean-dispersion relationship

final dispersion estimates

fitting model and testing

res <- results(dds)
head(res)

log2 fold change (MLE): dex treated vs control
Wald test p-value: dex treated vs control
DataFrame with 6 rows and 6 columns
  baseMean log2FoldChange      lfcSE      stat     pvalue
  <numeric>      <numeric> <numeric> <numeric> <numeric>
ENSG00000000003 747.194195 -0.3507030  0.168246 -2.084470 0.0371175
ENSG00000000005  0.000000    NA         NA         NA         NA
ENSG00000000419 520.134160  0.2061078  0.101059  2.039475 0.0414026
ENSG00000000457 322.664844  0.0245269  0.145145  0.168982 0.8658106
ENSG00000000460 87.682625 -0.1471420  0.257007 -0.572521 0.5669691

```

```

ENSG000000000938    0.319167      -1.7322890  3.493601 -0.495846  0.6200029
                    padj
                    <numeric>
ENSG000000000003    0.163035
ENSG000000000005      NA
ENSG000000000419    0.176032
ENSG000000000457    0.961694
ENSG000000000460    0.815849
ENSG000000000938      NA

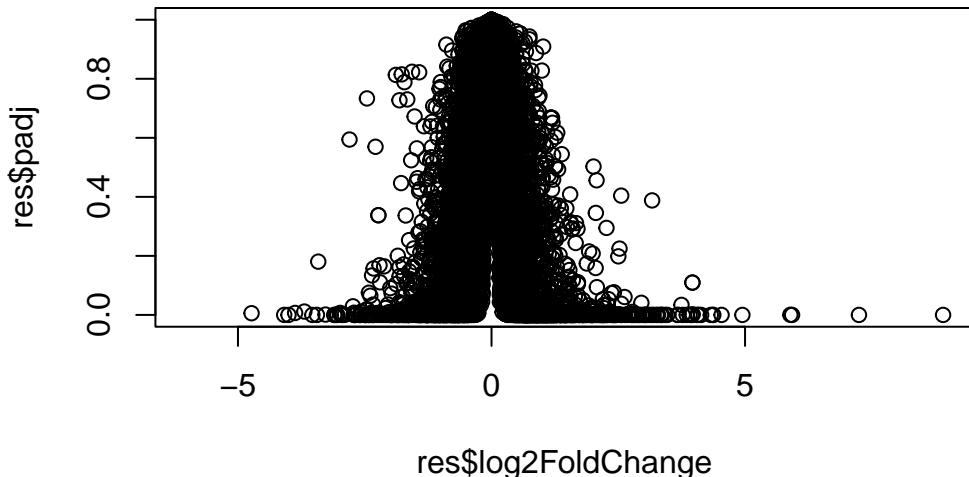
```

Save out results to CSV file:

```
write.csv(res, file="myresults.csv")
```

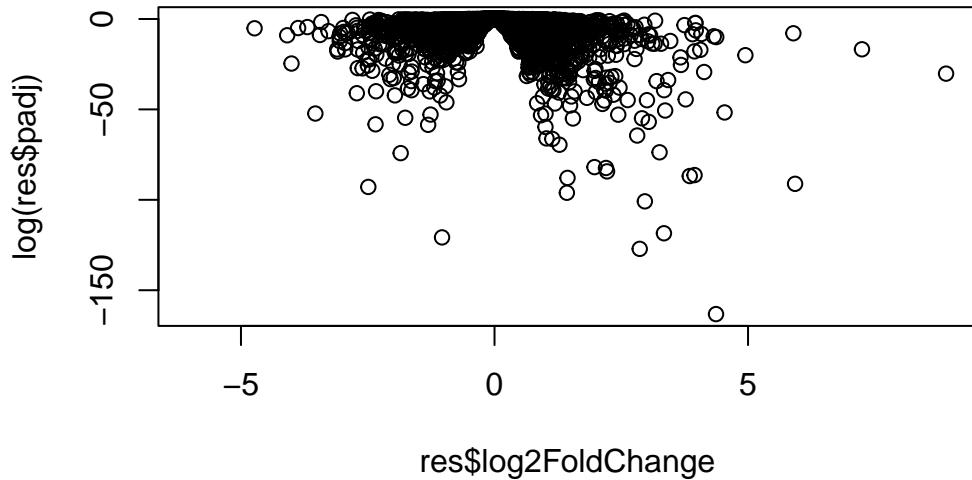
Let's make a common summary plot of our results Our main results here are the log2 fold change and adjusted P-value

```
plot(res$log2FoldChange, res$padj)
```



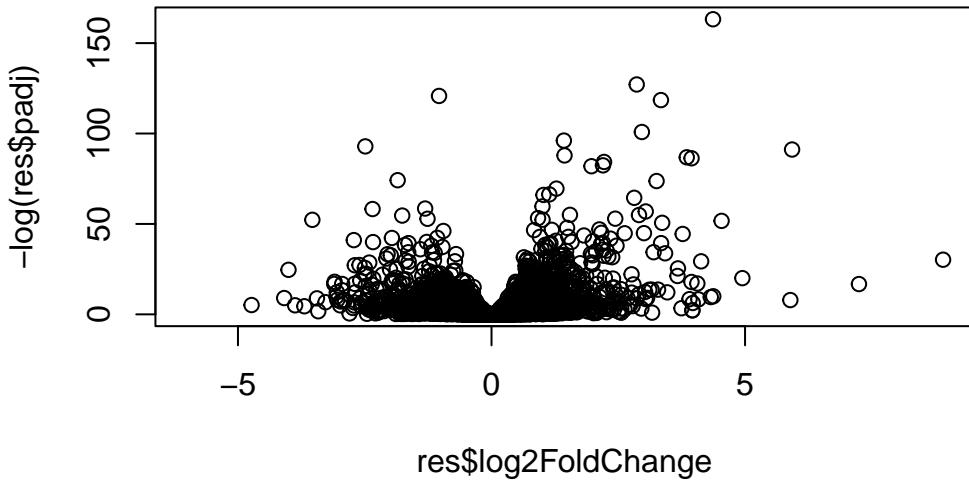
We need to transform the P-value axis here so we can see the data we actually care about (small P-values)

```
plot( res$log2FoldChange, log(res$padj) )
```



To make folks happy we need to flip the y-axis so the most important/significant values are to the top.

```
plot( res$log2FoldChange, -log(res$padj) )
```

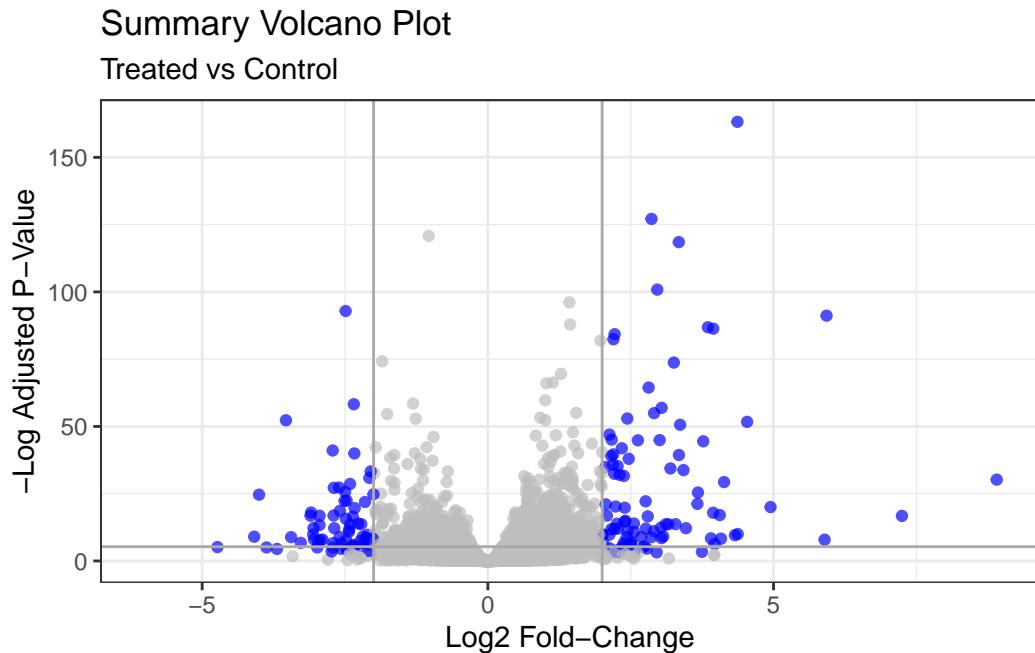


This our “standard” volcano plot - let’s make this nicer in ggplot We can use color to highlight the most important subset of transcripts with a log2FC > +2 and -2 that have a P-value < 0.05. We will need a suctom color vector for this `mycols`

```
mycols <- rep("gray", nrow(res))
mycols[ abs(res$log2FoldChange) > 2 ] <- "blue"
mycols[ res$padj > 0.05] <- "gray"

ggplot(res) +
  aes(log2FoldChange, -log(padj)) +
  geom_point(col=mycols, alpha=0.7) +
  labs(res, title = "Summary Volcano Plot", subtitle = "Treated vs Control") +
  xlab("Log2 Fold-Change") +
  ylab("-Log Adjusted P-Value") +
  geom_vline(xintercept = c(-2, 2), col="darkgrey") +
  geom_hline(yintercept = -log(0.005), col="darkgrey") +
  theme_bw()
```

Warning: Removed 23549 rows containing missing values or values outside the scale range (`geom_point()`).



Adding annotation data

Our result table so far only contains the Ensembl gene IDs. However, alternative gene names and extra annotation are usually required for informative interpretation of our results. In this section we will add this necessary annotation data to our results.

```
head( rownames(res) )
```

```
[1] "ENSG00000000003" "ENSG00000000005" "ENSG00000000419" "ENSG00000000457"
[5] "ENSG00000000460" "ENSG00000000938"
```

We can use a set of BioConductor packages to map these ENSEMBLE ids to things like GENE SYMBOL, REFSEQ id, ENTREZ ID etc. In other words what each gene is called in different databases that I might want to use for further analysis

I install these packages with `BioManager::install()`

```
library("AnnotationDbi")
library("org.Hs.eg.db")
```

The different formats that I can convert IDs between include:

```
columns(org.Hs.eg.db)
```

```
[1] "ACCNUM"      "ALIAS"       "ENSEMBL"      "ENSEMLPROT"   "ENSEMLTRANS"
[6] "ENTREZID"    "ENZYME"     "EVIDENCE"     "EVIDENCEALL"  "GENENAME"
[11] "GENETYPE"    "GO"         "GOALL"        "IPI"          "MAP"
[16] "OMIM"        "ONTOLOGY"   "ONTOLOGYALL"  "PATH"         "PFAM"
[21] "PMID"        "PROSITE"    "REFSEQ"       "SYMBOL"      "UCSCKG"
[26] "UNIPROT"
```

We can use the `mapIds()` function to do this “mapping”/conversion:

```
res$symbol <- mapIds(org.Hs.eg.db,
                      keys=row.names(res), # Our genenames
                      keytype="ENSEMBL",   # The format of our genenames
                      column="SYMBOL",     # The new format we want to add
                      multiVals="first")

'select()' returned 1:many mapping between keys and columns

res$genename <- mapIds(org.Hs.eg.db,
                       keys=row.names(res),
                       keytype="ENSEMBL",
                       column="GENENAME", # The new format we want
                       multiVals="first")

'select()' returned 1:many mapping between keys and columns

res$entrez <- mapIds(org.Hs.eg.db,
                      keys=row.names(res),
                      keytype="ENSEMBL",
                      column="ENTREZID", # The new format we want
                      multiVals="first")

'select()' returned 1:many mapping between keys and columns
```

```

head(res)

log2 fold change (MLE): dex treated vs control
Wald test p-value: dex treated vs control
DataFrame with 6 rows and 9 columns
  baseMean log2FoldChange      lfcSE      stat     pvalue
  <numeric>      <numeric> <numeric> <numeric> <numeric>
ENSG000000000003 747.194195 -0.3507030  0.168246 -2.084470 0.0371175
ENSG000000000005  0.000000    NA        NA        NA        NA
ENSG00000000419   520.134160  0.2061078  0.101059  2.039475 0.0414026
ENSG00000000457   322.664844  0.0245269  0.145145  0.168982 0.8658106
ENSG00000000460   87.682625 -0.1471420  0.257007 -0.572521 0.5669691
ENSG00000000938   0.319167 -1.7322890  3.493601 -0.495846 0.6200029
  padj      symbol      genename      entrez
  <numeric> <character> <character> <character>
ENSG000000000003  0.163035    TSPAN6      tetraspanin 6      7105
ENSG000000000005    NA        TNMD       tenomodulin 64102
ENSG00000000419   0.176032    DPM1      dolichyl-phosphate m.. 8813
ENSG00000000457   0.961694    SCYL3      SCY1 like pseudokina.. 57147
ENSG00000000460   0.815849    FIRRM      FIGNL1 interacting r.. 55732
ENSG00000000938    NA        FGR       FGR proto-oncogene, .. 2268

write.csv(res, file = "myresults_annotated.csv")

```

Pathway Analysis

Let's use KEGG to see which pathways my gene sets overlap with - i.e. highlight the biology that may be influenced by the dex drug treatment.

We will use the following packages: `BiocManager::install(c("pathview", "gage", "gageData"))`

```

library(pathview)

#####
# Pathview is an open source software package distributed under GNU General
# Public License version 3 (GPLv3). Details of GPLv3 is available at
# http://www.gnu.org/licenses/gpl-3.0.html. Particullary, users are required to
# formally cite the original Pathview paper (not just mention it) in publications

```

```
or products. For details, do citation("pathview") within R.
```

```
The pathview downloads and uses KEGG data. Non-academic uses may require a KEGG  
license agreement (details at http://www.kegg.jp/kegg/legal.html).
```

```
#####
#
```

```
library(gage)
```

```
library(gageData)
```

```
data(kegg.sets.hs)
```

The **gage** function wants as input a “named vector of importance”

```
x <- c(10, 1, 20)  
names(x) <- c("barry", "alice", "elisa")  
x
```

```
barry alice elisa  
10      1     20
```

```
foldchanges = res$log2FoldChange  
names(foldchanges) = res$entrez  
head(foldchanges)
```

```
7105       64102       8813       57147       55732       2268  
-0.35070302       NA  0.20610777  0.02452695 -0.14714205 -1.73228897
```

```
# Get the results  
keggres = gage(foldchanges, gsets=kegg.sets.hs)
```

```
head(keggres$less)
```

	p.geomean	stat.mean
hsa05332 Graft-versus-host disease	0.0004250461	-3.473346
hsa04940 Type I diabetes mellitus	0.0017820293	-3.002352
hsa05310 Asthma	0.0020045888	-3.009050
hsa04672 Intestinal immune network for IgA production	0.0060434515	-2.560547
hsa05330 Allograft rejection	0.0073678825	-2.501419
hsa04340 Hedgehog signaling pathway	0.0133239547	-2.248547
	p.val	q.val
hsa05332 Graft-versus-host disease	0.0004250461	0.09053483
hsa04940 Type I diabetes mellitus	0.0017820293	0.14232581
hsa05310 Asthma	0.0020045888	0.14232581
hsa04672 Intestinal immune network for IgA production	0.0060434515	0.31387180
hsa05330 Allograft rejection	0.0073678825	0.31387180
hsa04340 Hedgehog signaling pathway	0.0133239547	0.47300039
	set.size	exp1
hsa05332 Graft-versus-host disease	40	0.0004250461
hsa04940 Type I diabetes mellitus	42	0.0017820293
hsa05310 Asthma	29	0.0020045888
hsa04672 Intestinal immune network for IgA production	47	0.0060434515
hsa05330 Allograft rejection	36	0.0073678825
hsa04340 Hedgehog signaling pathway	56	0.0133239547

We can have a quick look at one of the highlight pathways e.g. hsa05310

```
pathview(gene.data=foldchanges, pathway.id="hsa05310")
```

```
'select()' returned 1:1 mapping between keys and columns
```

```
Info: Working in directory /Users/hanheejo/Desktop/1. UCSD/1. Class/7. Winter 2025/BGGN213/C
```

```
Info: Writing image file hsa05310.pathview.png
```

