

Supplementary information for:

**Revealing the Mechanism of *Melia Toosendan* Fruit-Induced Liver
Injury in Mice by Integrating microRNA and mRNA-Based
Toxicogenomics data**

Cai Ji^{a#}, Jie Zheng^{a#}, Wei Tong^a, Xiaoyan Lu^a, Xiaohui Fan^{a*}, Yue Gao^{b*}

^a Pharmaceutical Informatics Institute, College of Pharmaceutical Sciences, Zhejiang University, Hangzhou 310058, China

^b Department of Pharmacology and Toxicology, Beijing Institute of Radiation Medicine, Beijing 100850, China.

#: the authors contributed equally to this study.

*Correspondence should be addressed to Dr. Xiaohui Fan (E-mail: fanxh@zju.edu.cn,
Tel/Fax: 86-579-88208596) or Dr. Yue Gao (E-mail: gaoyue@bmi.ac.cn, Tel/Fax: 86-
10-6691312)

Supplementary Table S1.a: sequences of primer for mRNA

gene name	Forward primer	Reverse primer
Fmo3	AAGCCTATGAAGACGCGTG	GGACTTATGCCCACTGCAGAT
Cyp2b9	AAGCGCATTTGTCTTGGTGAA	CTACCAATGGCCTGGTTTCC
Cyp4a14	GCCATTCTCAGGAGGATCAA	GTATTGCAGGCAGCAGACCTC
Cyp4a12a	TCTCGATTTGCACCAGGGT	GCAGCATGCCATTTGAGCT
Gadd45a	TGTGCTGGTGACGAACCCA	GTGCAGTTGAACTCGGCCCT
Elovl3	ACATCTGGAGGCAGGAGAA	CCATACAGGGAGGTACCCT
Igfbp1	CAGTGTGAGACATCCCTGG	AAAATGGTGTGCTCCAGAG
Ugt2b38	ATCACCACGACCAGCCTA	TGAACAAGAGGCACTTTACAG
Slco1a1	CTCCAGACACTGAACTTGC	TCCATTCATGGCCTTGAC
Hsd3b5	CGCCTCTTGATCACAGTGG	TAACACCCAGGGCCATGTC
GAPDH	ACCAGGTTGTCTCCTGCGA	CAGTGCCTTGCTGGGGTG

Supplementary Table S1.a: sequences of primer for mRNA

miRNA name	5'-3' primer
miR-3082-5p	GACAGAGTGTGTGTGCTGTGT
miR-574-5p	TGAGTGTGTGTGTGTGAGTGTGT
miR-3102-5p	GTGAGTGGCCAGGGTGGGGCTG
U6	CAAGGATGACACGCAAATTCG

Supplementary Table S2.a: Lists of genes up-regulated upon FMT-treatment

Genbank Acc	GENENAME	P	Fold Change
NM_008030	Fmo3	0.0002	105.324
BB129488	Cux2	0.0034	52.580
NM_023135	Sult1e1	0.0003	27.309
BM122014	EG624219	0.0001	23.215
AI266897	AI132709	0.0003	22.291
NM_010000	Cyp2b9 /// LOC100047700	0	21.607
NM_020565	Sult3a1	0.0034	21.119
NM_009014	Rad51l1	0.0009	17.252
AI327006	Cyp4a14	0.0043	13.995
NM_007836	Gadd45a	0.0029	12.593
U42467	Lepr	0.0164	12.555
BB667721	Thrsp	0.0018	11.997
NM_013703	Vldlr	0.0025	10.310
X14607	Lcn2	0.0043	10.263
BG065305		0.0077	9.885
NM_007804	Cux2	0.0284	9.439
BQ266582	Shroom1	0.0116	8.955
BB197269	Abcd2	0.0001	8.867
BC010769	Apoa4	0	7.929
BI656658	Nav2	0.0002	7.714
AJ132857	BC014805	0.0262	7.711
NM_007913	Egr1	0.0085	7.448
NM_007705	Cirbp	0	7.322
AI503879	Nipal1	0.0001	7.187
BC010747	Cyp4a10 /// Cyp4a31	0.0002	7.179
NM_134256	AB056442	0.0014	7.055
NM_011994	Abcd2	0	7.048
AV333363	Vldlr	0.0002	7.014
AK015487	4930459C07Rik	0.0025	7.003
U97073	Prtn3	0.0075	6.888
AW456685	Abcd2	0.0015	6.859
AK014427	Nipal1	0.0004	6.565
AA796766	Mt2	0.0036	6.463
BM246564	Pde4b	0.024	6.430
AJ132857	BC014805	0.0435	6.218
BB261367	Acly	0.0036	6.099
BB748443	Chrna4	0.0185	6.088
AF127033	Fasn	0.0198	6.084
BB727879		0.0451	5.944
AV021656	Akr1b7	0.002	5.942
BB433798	Lasp1	0	5.934

Genbank Acc	GENENAME	P	Fold Change
BC010829	Acnat2	0.0002	5.783
NM_013869	Tnfrsf19	0.0002	5.713
BC025870	Slu7	0.0012	5.497
L08431	Vcam1	0.0019	5.473
BB222737	Serpina7	0.0026	5.197
BB554288	Cxcl1	0.0182	5.139
NM_009127	Scd1	0.023	5.114
NM_026524	Mid1ip1	0.0007	5.094
AV027367	Apoa4	0	4.987
U43884	Id1	0.0005	4.903
NM_013692	Klf10	0.0166	4.857
BM124366	Lepr	0.0204	4.802
BG297411		0	4.716
BE985366	Prelid2	0	4.644
AI326423	Sreb1	0	4.605
NM_018887	Cyp39a1	0.0001	4.572
AI882525	Cd47	0.0076	4.450
BF019883	Id2	0	4.383
AV009267	Foxq1	0.0025	4.335
BB326566	Tmie	0.0085	4.306
AA717142	Mkxn1	0	4.272
NM_013809	Cyp2g1	0.0001	4.270
NM_013602	Mt1	0.0059	4.217
AW538350		0.0004	4.216
BB831725	Socs3	0.0024	4.189
NM_010496	Id2	0.0001	4.136
BC018375	Hes1	0.0001	4.121
BM237750		0	4.114
BB241535	Socs3	0.0032	4.105
BC003305	Lpl	0.0059	4.079
NM_008321	Id3	0.0001	4.051
BI456232	Acly	0.0199	4.011
BB518868	Adora1	0.0098	3.932
NM_054088	Pnpla3	0.0364	3.914
NM_007706	Socs2	0.041	3.898
NM_007474	Aqp8	0.0168	3.893
NM_026335	Lce1h	0.0226	3.835
NM_008176	Cxcl1	0.0348	3.809
BM119402		0.0002	3.782
J03953	Gstm3	0.0095	3.770
AI182499	Pkhd1	0.0019	3.755
BB416434	Ets2	0.0166	3.746
BC024498	Tm6sf2	0	3.731

Genbank Acc	GENENAME	P	Fold Change
AV204216	Atp6v0d2	0.0017	3.701
AK017272	Lpl	0.0008	3.698
AF114437	Pctp	0.001	3.652
NM_013623	Orm3	0.0011	3.640
NM_010003	Cyp2c39	0.0002	3.590
BB824003	Gemin5	0.0077	3.581
BB628935	Ank3	0	3.564
NM_133662	Ier3	0.0002	3.510
AV051678	Hamp2	0.0004	3.499
AV156640	LOC100046344 /// LOC100047753 /// Nme1	0.0002	3.476
U94828	Rgs16	0.0234	3.469
BG962576	4632415K11Rik	0.0374	3.460
BC019937	Tmem53	0	3.453
AW549826	Atg7	0.0358	3.446
BG793493	Pde4b	0.0017	3.429
NM_007657	Cd9	0	3.422
BG072448	2010109K09Rik	0.0043	3.417
AV370040	D630039A03Rik	0.0003	3.390
BB080456	Spry4	0	3.374
AK018202	2310043N10Rik	0.0008	3.374
AF477481	Cdt1	0.0078	3.371
NM_007707	Socs3	0.0002	3.371
NM_009811	Casp6	0.0012	3.358
NM_025459	Fam134b	0	3.348
BC006681	Polb	0.0243	3.346
BC021657	Ank3	0	3.343
AK013866	Nfx1	0.0075	3.336
BB100249	Rgs16	0.0178	3.334
BB534670	Cd36	0.0001	3.332
BB324744	Esrra	0.0465	3.293
BF466702	9430008C03Rik	0.0001	3.243
BB436247	Herpud2	0	3.234
BG072824	Arrdc3	0.0046	3.218
NM_010001	Cyp2c37	0.0045	3.213
BG066466	Iffo2	0.006	3.208
AK013239	Id2	0.0109	3.198
NM_130881	Pabpc4	0.0001	3.187
AB056443	D630002G06Rik	0.006	3.186
AK008229	Anks4b	0.0001	3.161
AV174616	Tob2	0.0004	3.144
BB283894	Prkar1b	0.021	3.139
NM_008062	G6pdx	0.0139	3.120

Genbank Acc	GENENAME	P	Fold Change
NM_010516	Cyr61	0.0011	3.113
BC003903	Gstt3	0.0002	3.091
BB479296		0.0003	3.087
BC018263	BC089597	0.0005	3.079
AK017670	Cpm	0.0134	3.073
BC010245	Kank2	0.0006	3.065
AK018681	Ankrd39	0.003	3.045
AV261345	Prdm11	0.0004	3.044
NM_008932	Prlr	0	3.025
BC027319	Atp1b1	0	3.024
BC004781	Rnf43	0.0018	3.021
BC013480	Cbs	0.0001	3.015
BG921646	Acaca	0.0151	3.011
AK018697	Ldlr	0.005	3.008
NM_015797	Fbxo6	0.0001	3.004
BI083627	Bat2d	0.0168	3.003
BB355213	Prkca	0.0024	3.001
BB308961	Klhdc7a	0.0044	3.000
BB770857	Ddah1	0	2.988
BG065719		0.0008	2.957
M30697	Abcb1a	0.0002	2.953
BC022793	Gnat1	0	2.948
M58045	Cnp	0.0008	2.930
BB447409	Gm505	0	2.924
BC023181	Plekhg5	0.0225	2.923
AV100225	Cnpy2	0.003	2.913
BG075860		0.0064	2.897
BB124537	Mtpn	0	2.889
BF148622	Sec61a1	0	2.883
BB441361	Gspt2	0.0002	2.871
BG075041	Amn1	0.0001	2.870
BC021657	Ank3	0.0004	2.867
NM_011857	Odz3	0.0001	2.858
BG066220	Nub1	0.0175	2.843
BI660702	Ell3	0.0022	2.827
AF477481	Cdt1	0.0053	2.817
BM119522	Plxnb1	0	2.816
AF224264	Fus	0.0002	2.816
BB498027		0.0019	2.798
BB543181		0.0094	2.793
AV239114	Ldlr	0.0013	2.792
NM_021716	Fign	0.0032	2.791
AK017247	Idh2	0.0041	2.781

Genbank Acc	GENENAME	P	Fold Change
AI385586	Ang	0.0088	2.773
AW556888	Ddah1	0.0001	2.762
AF461145	Fmo4	0.0002	2.747
BB547854	Tox	0.048	2.742
NM_008380	Inhba	0.0115	2.742
AI549877		0.0003	2.737
NM_018737	Ctps2	0	2.736
AV327520	5031439G07Rik	0.0032	2.731
BC011158	Serpina3m	0.0002	2.729
BE283964	Ddah1	0.0004	2.714
BC006932	Abca3	0.0001	2.711
AV309418	Ndrp1	0.0049	2.708
BB508622	Trib3	0.0012	2.694
BB707122	Tiparp	0.0039	2.691
BI734306	Syne1	0	2.681
AK012141	2410002O22Rik /// LOC100044479	0.0002	2.673
BB758432	Dixdc1	0.0005	2.671
AB013898	Tnfrsf11b	0.0011	2.659
BE372352	Actr3	0.0006	2.656
NM_019545	Hao3	0.0082	2.655
NM_025569	Mgst3	0.0001	2.652
AA792094	Got1	0.0037	2.646
J03953	Gstm3	0.018	2.644
AI303435	Slc1a4	0.0208	2.638
AV336908	Dlat	0.0001	2.637
NM_009876	Cdkn1c	0.0018	2.636
AF126834	Ppl	0.0002	2.634
AK009101	Commd10	0.0033	2.633
NM_021272	Fabp7	0.0009	2.628
AV238183	Arhgef10l	0.0081	2.622
BF163381	Snhg1	0.0015	2.616
BB769890	Atp6v0d2	0.0088	2.605
BB534670	Cd36	0.0018	2.603
AA215276	Inca1	0	2.602
BC005737	Nmnat3	0.0003	2.598
AK004932	Gpt	0.002	2.598
NM_017388	Ear1 /// Ear12 /// Ear2 /// Ear3	0.0001	2.598
NM_007809	Cyp17a1	0.005	2.593
AK009847	Prss23	0.0034	2.589
BE283964	Ddah1	0	2.588
AK018636	Mkl1	0.0001	2.586

Genbank Acc	GENENAME	P	Fold Change
BB010597	Trdmt1	0.0018	2.585
BC014793	Pgd	0.0023	2.584
AW552536	Snhg1	0.0008	2.583
BB291885	Abcc4	0.02	2.583
BG063333	Vldlr	0.0479	2.582
AI647939	Slc16a5	0.016	2.582
AW553065	Per3	0.0094	2.577
BB162021	Gspt1	0.0066	2.572
BB453609	Wdr6	0.0002	2.569
BB745929	Fam13a	0.0054	2.569
NM_009075	Rpia	0.009	2.569
AI846716	Cox5b	0.0039	2.565
BB752393		0.0003	2.555
BB752393		0.0002	2.553
BB481178		0.0066	2.553
BB532898	D330040H18Rik	0.0105	2.552
BB705380	Hmgcs1	0.0136	2.540
BC020001	Aldh1b1	0	2.537
AV273591	Nt5e	0.0002	2.536
AK004665	Dhx35	0.0001	2.535
NM_019494	Cxcl11	0.0016	2.528
BM120569	Ppargc1a	0	2.519
AF321301	Fgfr1 /// LOC100046239	0.0018	2.517
BF020504	Setd4	0.0205	2.514
BQ033064	N6amt1	0	2.513
AV337650	Lrrc24	0.0001	2.510
BG064092	Wipf3	0.0192	2.510
BB590675	Pspc1	0	2.508
BC026366	Cep152	0.0052	2.506
AK014950	Gnpda2	0	2.502
BB534423	Ldlrad3	0.0053	2.493
M30697	Abcb1a	0.0027	2.491
BC025858	2210021J22Rik	0.003	2.488
NM_013798	Actg1	0.0037	2.485
BB705380	Hmgcs1	0.0137	2.483
AI428839	Cbx8	0.0023	2.481
AB030503	Rdh11	0.0176	2.480
BB238321	5830467E07Rik /// Amn1	0.0002	2.480
BB558114	Pgd	0.0184	2.480
NM_009870	Cdk4 /// LOC640611	0	2.477
AF224264	Fus	0.0003	2.475
BB667837	Rrbp1	0.0001	2.475
BE983392	AI428301	0.0002	2.475

Genbank Acc	GENENAME	P	Fold Change
AK011343	2610008E11Rik	0.0011	2.472
AV286265	Xdh	0	2.471
BB324466	Dnaja2	0.0047	2.465
AK014742	Lss	0.0015	2.460
NM_030687	Slco1a4	0.0055	2.454
NM_008608	Mmp14	0.0007	2.450
AI987929	Ndrp1	0.0145	2.447
BB458543	Fam101a	0.0062	2.442
BC017528	Arrdc4	0.0173	2.439
NM_031392	Wdr6	0.0002	2.438
AF328140	Cables1	0	2.436
BM206427	Rprd2	0.0007	2.435
BE303700	D330050I23Rik	0.0042	2.432
BG071931	Camk1d	0.0004	2.432
NM_020296	Rbms1	0	2.427
NM_026189	Eepd1	0.0014	2.427
BG067625	Ildr2	0.0405	2.417
BM218328	D10627	0.0002	2.417
BC019946	Atf3	0.0287	2.414
L07645	Hal	0.0002	2.410
BQ031259	Iffo2	0.012	2.409
NM_011797	Car14	0.0038	2.408
U58862	Lepr	0.0008	2.406
BB053697	Adk	0.0005	2.405
AV306676	Mrpl15	0.0102	2.397
AV239969	Itih5	0.0007	2.395
X16834	Lgals3	0.0013	2.393
AF220141	Trim34	0.025	2.391
BB797326	Amdhd1	0.0005	2.385
BG063981	Ddx58	0	2.381
AU019438	Commd10	0.0015	2.376
BE334274		0.0037	2.372
BB705380	Hmgcs1	0.0104	2.372
BI076710	9630010G10Rik	0.0282	2.371
BB739342	Sall1	0.0041	2.369
BB490651		0.0008	2.366
NM_031367	H28	0.0006	2.366
NM_008681	Ndrp1	0.0028	2.364
NM_011414	Slpi	0.0002	2.361
NM_023876	Elp4	0	2.360
AB030503	Rdh11	0.0075	2.358
NM_013929	Siva1	0.0125	2.357
BG244780		0.0005	2.353

Genbank Acc	GENENAME	P	Fold Change
AK013138	Gcat	0.0039	2.352
BC024953	5033414D02Rik	0	2.347
AB037596	Gcnt2	0.0004	2.347
BM239196	Gcnt2	0.0002	2.345
NM_133707	1810019J16Rik	0	2.340
BM239677	Heatr1	0.0048	2.340
AW763751	629242 /// BC005512 /// F630007L15Rik	0.0009	2.338
BC010332	Ppap2c	0.0003	2.335
AK020571		0.0072	2.332
BF225802	Igfbp5	0.0023	2.331
BF319989	Plscr1	0.0002	2.331
BB326329	Nipa1	0.0013	2.329
AK017778	Ankrd24	0.0007	2.328
BC011282	Mad2l2	0.0012	2.326
BC026595	Cbs	0.0002	2.322
AB066227	Hlcs	0.0001	2.320
BB314208	Pgd	0.0223	2.317
BC019494	Fam134b	0.0002	2.314
BB128085	Als2	0.0281	2.311
NM_019736	Acot9	0	2.311
AK012088	Acsl3	0.0107	2.301
AI317339	Itih5	0.0002	2.299
AI504711		0.0004	2.297
BG244780	EG631624	0.001	2.297
BM214836	2810403A07Rik	0.0004	2.293
BB188040	Hps1	0.028	2.291
AK009957	Hddc2	0.0025	2.291
BB705380	Hmgcs1	0.0119	2.290
BI248354	Rell1	0.0001	2.290
BB707122	Tiparp	0.0124	2.289
BM218086		0	2.288
BC019216	Pqlc2	0.0001	2.287
AK013095	Rfc3	0.0053	2.285
BB456021	D130043K22Rik	0.004	2.281
AK016825	Rnf41	0.0285	2.281
BC011172	Hnrnpd	0.0014	2.281
BC019521	Zfyve21	0	2.280
BC009123	2810051F02Rik	0.0092	2.277
AY037804	Setd4	0.0219	2.275
BB523936		0.037	2.273
BI663145	Phf15	0.0002	2.271
BC002276	Fbxw9	0.0153	2.268

Genbank Acc	GENENAME	P	Fold Change
BI730930	Akap7	0.002	2.268
BB663640	BC029214	0.004	2.267
NM_011084	Pik3c2g	0.0013	2.267
BB707122	Tiparp	0.0073	2.266
AI463873	Nr2f2	0.0083	2.266
AW550676		0.0294	2.265
NM_016706	Coil	0.0011	2.265
AF153199	Mmp19	0.0072	2.264
AK014950	Gnpda2	0	2.262
BG070516	Atpbd4	0	2.260
NM_016902	Nphp1	0.026	2.259
AI606154	5730409N24Rik	0.0054	2.259
BC026964	Zbtb22	0	2.258
NM_024191	Arl2bp	0.0005	2.256
AV021593	Mrpl52	0.0083	2.255
BB531820	Thrap3	0	2.254
BB135800	Scly	0.0001	2.254
NM_007865	Dll1	0.0024	2.251
BC024943	2010107G23Rik	0.0127	2.250
BB667838	1810008I18Rik	0.032	2.249
AI323642	Tcf7	0.0365	2.247
BC010712	Eid1	0	2.246
NM_025703	LOC100045031 /// Tceal8	0	2.246
AI604411		0.0017	2.244
NM_020589	Zfp467	0.0002	2.243
AI551199	Agtr1a	0	2.243
AK007796	1810046K07Rik	0.0001	2.241
BB127325	Rcor3	0.0176	2.240
AK011480	Zfp157	0.0055	2.237
BG071931	Camk1d	0.0002	2.234
AI503931		0.0001	2.234
BB322051	2010012O05Rik	0.0009	2.233
AK017845	Ostc	0	2.229
BB540543	Slc30a10	0.0383	2.227
AV352204		0.0026	2.227
AB026551	Nfkbiz	0.0096	2.227
BM214338	1700019G17Rik	0.0198	2.227
AV303002	Nupl1	0.0013	2.226
BB359043	Mterfd3	0.0009	2.226
BG076151	LOC100045551 /// Ppm1d	0.0049	2.226
BB235116	Ttc7	0.0002	2.225

Genbank Acc	GENENAME	P	Fold Change
NM_008149	Gpam	0.0223	2.225
BC014687	1500010J02Rik	0.0008	2.224
BM202530	Zfp826	0.0001	2.220
AI790284	Shpk	0.0026	2.220
AV318494	Mcl1	0.0002	2.218
BC027408	Gypc	0.0004	2.217
NM_016658	Galt	0.0001	2.216
AK011450	1200014J11Rik	0	2.212
BC004768	6430706D22Rik	0.0001	2.212
W34605	ORF19	0.0001	2.212
AV047635	OTTMUSG00000010657	0.0098	2.208
AV339946	Gcc1	0.0022	2.208
NM_010499	ler2	0	2.204
AK015145	Dimt1	0.0015	2.202
BM933750		0.0004	2.200
NM_030880	Pacsin3	0.0018	2.200
U95030	Alcam	0.0001	2.200
BM123721	Rbmx	0	2.199
BB553796	Agxt2l2	0.0294	2.198
AK018271	Dpf2	0.0001	2.196
BB046347	Mycbp	0.0001	2.194
BI666155	Gnl2 /// LOC633966	0.0001	2.194
NM_138952	Ripk2	0.0028	2.192
NM_133248	Glmn	0.0034	2.192
BB820613	Pion	0.0002	2.189
BM234464		0.0004	2.189
C79248	Rbm39	0.001	2.188
BB281667	Zfp719	0.0007	2.187
AB056443	C730048C13Rik /// D630002G06Rik	0.0084	2.186
BE628275	Zfp467	0.0002	2.186
NM_008961	Pter	0.0035	2.184
AV337619	Ppargc1a	0.0059	2.182
BC005555	Prlr	0.0036	2.181
AU021842	Cdkn2aipnl	0	2.180
BB870298	Rnf166	0	2.180
AV003223	Edf1 /// OTTMUSG00000005089	0.0306	2.180
NM_018760	Slc4a4	0	2.178
AF047725	Cyp2c38	0.0022	2.177
BB559624	Nup133	0.0044	2.176
BC012655	Thrap3	0	2.176
AI503808		0.0026	2.175

Genbank Acc	GENENAME	P	Fold Change
AV173869	Erc2	0.01	2.174
BB540910	E130110O22Rik	0.0001	2.174
NM_022816	Acot10 /// Acot9	0	2.174
AK013116	Gins1	0.0035	2.174
BG078867	Ggnbp2	0.0042	2.172
BB297047	Chrac1	0.0003	2.171
NM_023580	Epha1	0.0002	2.170
AK017049	4933433P14Rik	0.0092	2.168
BI466419	Mtss1	0	2.168
AV235415		0.0018	2.166
AB008453	Slc2a4	0.0158	2.166
BB038765	Kank2	0.0005	2.164
AA204410	2410022M11Rik	0.0175	2.164
BF318131		0.0003	2.163
AV218922	2610002J02Rik	0	2.162
BM241351	Tnfaip3	0.0314	2.161
AV101245	Hnrpd1	0.0029	2.161
BE911144	Eif2ak2	0.0029	2.159
NM_008046	Fst	0.0098	2.158
BB667699	Rcor3	0.0026	2.157
BF536757	Tbc1d24	0.0053	2.152
AW493298	Trim68	0.0176	2.151
BG068077	AU021884	0.0451	2.151
BC026813	6330416L07Rik	0.0025	2.150
NM_008027	Flot1	0.0002	2.148
BF017016	LOC676974	0.0108	2.148
BB756794	Prkag2	0.0002	2.148
BB307742	Ttc15	0.0298	2.147
AF366401	Sertad1	0.001	2.146
BB535494	Nedd9	0.017	2.146
J04620	Prim1	0.0095	2.146
BB794868	Agps	0.0062	2.145
BE985138	Fus	0	2.143
AK021220	Haghl	0.0197	2.143
BC016099	2410002F23Rik	0.0035	2.142
BF303544	Vapb	0.0019	2.142
AK011776	2610044O15Rik	0.0026	2.142
AK005066	Amdhd1	0.0002	2.140
NM_031180	Klb	0.0017	2.140
NM_009025	Rasa3	0.0016	2.138
BC020138	Tbc1d19	0.0016	2.137
BM225143		0.0085	2.137
AV295650	S100a10	0.002	2.137

Genbank Acc	GENENAME	P	Fold Change
BC011290	Tceal1	0.0019	2.136
U05264	Gp49a /// Lilrb4	0.0077	2.135
BC026410	Pls1	0.0024	2.135
BB131927	Ankrd56	0.0001	2.135
AW554594	Prlr	0.0121	2.134
NM_031884	Abcg5	0.0015	2.133
A1324972	Sp4	0.0025	2.132
BB482650	Fam13a	0.003	2.130
BC010712	Eid1	0	2.126
BG063760	D5Ertd163e	0.009	2.126
BB829482	Ddx59	0	2.125
BC015287	Rabep2	0.0025	2.125
AK019824	4930581F22Rik	0.0042	2.123
BC025568	Tspan14	0.0001	2.121
BE686864	Rmi1	0.0327	2.121
BB429201	Prlr	0.037	2.120
AW553537		0.0084	2.119
NM_010708	Lgals9	0.0001	2.119
BC013542	Pdzk1ip1	0.0246	2.118
BM234360	Fn1	0.0067	2.118
NM_023057	B230120H23Rik	0.0005	2.117
BC007147	Rab4b	0.0032	2.117
NM_010066	Dnmt1	0.001	2.116
BB667628	Slc16a10	0.0009	2.114
BE631036	Trpt1	0.0099	2.113
BE457721		0.0022	2.113
NM_011014	Sigmar1	0.0166	2.111
AK012581	Limd2	0.0002	2.110
AV222909	6030446N20Rik	0.0001	2.109
BG075800	St6gal1	0.0001	2.109
AW321863		0.0132	2.103
BG976607		0.0382	2.102
BC007160	Tmem168	0.0013	2.102
NM_008489	Lbp	0.0373	2.098
BM246564	Pde4b	0.0028	2.097
BG069516	Slc6a8	0.0163	2.097
NM_016972	Slc7a8	0.0043	2.096
BB754259	E130311K13Rik	0.0004	2.094
BB251922	Cnp	0.0033	2.088
BB133520	Spred2	0.0003	2.086
BM233698	Csf1	0.003	2.084
AV059397	Arsg	0.0156	2.082
NM_010872	Naip2	0.0005	2.082

Genbank Acc	GENENAME	P	Fold Change
AV152334	Atp1b1	0.0001	2.081
BB735884		0.0026	2.080
BB251459	Rfc4	0.0038	2.079
NM_023044	Slc15a3	0.0031	2.079
BB815513	Tm2d2	0	2.078
NM_029385	Nudt16	0.0044	2.078
AV378320	Ccdc68	0.0012	2.078
BC022124	Mta3	0.013	2.075
AF349659	Txnrd3	0.0051	2.075
AW549928	6720475J19Rik	0.0002	2.074
BC010592	Ethe1	0.0324	2.073
NM_010446	Foxa2	0.0026	2.073
NM_008253	Hmgb3	0.0001	2.073
BC012955	Trib3	0.0002	2.073
NM_008316	Hus1	0.0001	2.072
BC027319	Atp1b1	0.0007	2.071
AK005193	Tatdn3	0.0171	2.070
NM_009121	Sat1	0.0057	2.068
AF322238	Cdca4	0.006	2.067
NM_008239	Foxq1	0.0248	2.066
BB177192	Etnk1	0	2.066
AV315205	Alcam	0	2.065
BE630294	Adora1	0.0026	2.065
AI788759	Ugp2	0.0001	2.064
NM_024231	Zfpl1	0.0494	2.062
BF147713	Ccdc76	0.0003	2.059
BB818311	Tsn	0	2.059
AB056479	Cs	0.005	2.058
BF319989	Plscr1	0.0005	2.058
AK009584	Exosc8	0.0024	2.056
BM054266	Fuca2	0.0013	2.055
BC006960	Snx2	0	2.054
BE996326	Taf1d	0.0014	2.054
BG065238	Phf17	0.0005	2.052
NM_011461	Spic	0.0068	2.052
BC024870	Anapc4	0.0003	2.050
NM_008659	Myo1c	0.0002	2.049
NM_025512	Zfand1	0	2.049
BG968708	Dcp1b	0.0131	2.048
BC003227	Sptlc2	0	2.047
AK013866	Nfx1	0.0001	2.042
BB109694	Fgfrl1 /// LOC100046239	0.003	2.040
BB355329		0.0183	2.040

Genbank Acc	GENENAME	P	Fold Change
BB503266	Rab1	0.0129	2.039
AU040151	Ube2v1	0	2.039
NM_013808	Csrp3	0.0013	2.039
AU015266	Hnrpdl	0.0003	2.036
BI903760	Nsmce1	0.0001	2.035
BI408205	Ly6e	0.0086	2.035
BF582632	Hexdc	0	2.034
BE915338	Iars	0.0008	2.034
BQ175997	Scaper	0.0045	2.033
AV047063	Aqp11	0.0106	2.032
BQ031467	BC052040	0.0006	2.032
BB820363	Wdsub1	0.0068	2.032
AJ244015	Stau2	0.0011	2.031
AF439556	Rwdd3	0.0053	2.030
BB554191		0.0236	2.029
BF228243	Leprot	0.0007	2.028
AF226605	Sigmar1	0.0165	2.025
BB768208	Sgk3	0.0001	2.024
NM_020589	Zfp467	0.0318	2.023
BC005471	Zfp810	0.0003	2.023
NM_023755	Tcfcp2l1	0.0061	2.023
AV023018	1110028C15Rik	0.0001	2.023
BG071786	9430038I01Rik	0.0051	2.023
BB095413	Pgd	0.0198	2.022
NM_013658	Sema4a	0.0001	2.020
AK010066	2310066F23Rik	0.0121	2.017
BI904336	Dda1	0.0001	2.016
BG070538	Cdc2l5	0.0057	2.014
NM_025464	Tmem218	0.0008	2.013
BQ101405		0.0038	2.013
AI789751	9030619P08Rik	0.0057	2.012
BC025610	Ttc5	0.0002	2.010
AF072521	Parp2	0.0003	2.010
BG793658	Aldoa	0.0021	2.009
AK014134	Dem1	0.005	2.007
BC028265	Zfp759	0.0258	2.006
AW457682	Cep57	0.0049	2.006
AU041266		0.0051	2.005
NM_009112	S100a10	0.0064	2.004
BC021429	Enoph1	0.0367	2.002
AW546409	Cdc23	0.0003	2.001
NM_138656	Mvd	0.0321	2.001
AI552548	Lrch1	0.0084	2.001

Genbank Acc	GENENAME	P	Fold Change
NM_011704	Vnn1	0.0291	2.000

Supplementary Table S2.b: Lists of genes down-regulated upon FMT-treatment

Genbank Acc	GENENAME	P	Fold Change
BC025936	Cyp4a12a	0.0058	-32.573
AI118428	Ugt2b38	0	-30.211
NM_007860	Dio1	0	-27.701
AK011413	2610016E04Rik	0.0116	-22.222
BC016468	Elovl3	0.0065	-20.790
NM_008295	Hsd3b5	0.0256	-19.048
M12573	Hspa1b	0.0018	-17.637
BB205273	D18ErtD232e	0.0056	-17.153
M12573	Hspa1b	0.0016	-17.065
M12573	Hspa1b	0.0018	-16.892
BB743970	BC015286	0.0012	-14.535
BB349758	Ss18l1	0.0056	-14.347
AK009343	Serpina9	0.0066	-14.245
BC024605	Cml5	0.0169	-13.680
X84014	Lama3	0.0152	-13.351
AB031813	Slco1a1	0.01	-10.905
BF460829	1110004E09Rik	0.0002	-10.672
AA267743	Serpina4-ps1	0.0201	-9.116
NM_008341	Igfbp1	0.0071	-8.905
AW763765	Hspa1a	0.0031	-8.718
AB031813	Slco1a1	0.0123	-8.651
BF383739	Serpina4-ps1	0.0054	-8.183
NM_016704	C6	0.0003	-8.123
U03561	Hspb1	0.0006	-7.949
NM_013560	Hspb1	0.0001	-7.899
NM_007825	Cyp7b1	0.0007	-7.788
BM247465	E2f8	0.0052	-7.593
M27608	2610016E04Rik /// Mup1 /// Mup2 /// Mup3	0.0204	-7.479
BF383739	Serpina4-ps1	0.0043	-7.429
NM_007825	Cyp7b1	0.0008	-7.353
NM_020564	Sult5a1	0.0001	-7.092
AU079047	Hsp90aa1	0.0003	-6.826
BB369191	D0H4S114	0.0027	-6.653
BI499717	Hsph1	0.0006	-6.527
AB054000	Fitm1	0.0117	-6.498
D67017	Hsph1	0.001	-6.329
BE651535		0.0055	-6.223
NM_013584	Lifr	0.0032	-5.974
M63244	Alas2	0.0035	-5.963
BB378708	Lpin2	0.0004	-5.889
NM_053215	Ugt2b37	0.009	-5.889

Genbank Acc	GENENAME	P	Fold Change
BF322785	2610016E04Rik /// Mup1 /// Mup2	0.019	-5.838
Y13832	Meg3	0.0273	-5.804
BF682848	Fam107a	0.0244	-5.577
AK017880	Creld2	0.001	-5.495
AK004179	Pdgfrl	0.0007	-5.459
D45203	D0H4S114	0.0073	-5.385
AK005692	Pdilt	0.0104	-5.362
AY061760	LOC100046232 /// Nfil3	0.0117	-5.244
AV002340	4833442J19Rik	0.0005	-4.983
AK008824	Nudt7	0.0439	-4.936
NM_020581	Angptl4	0.0006	-4.824
BB449881	9430083A17Rik	0.0461	-4.688
BG067274	Onecut1	0.0007	-4.666
NM_029550	Keg1	0.0005	-4.649
M16360	Mup5	0.016	-4.589
BB550273	Prei4	0.0003	-4.579
BC016096	Scara5	0.0007	-4.533
AW556192	Nfia	0.0104	-4.386
BG297038	LOC433762	0.0202	-4.363
Y13832	Meg3	0.0268	-4.361
D17444	Lifr	0.0009	-4.294
BB115446		0.0011	-4.270
AV365503	8430408G22Rik	0.0097	-4.259
AV278384	Ces7	0.0018	-4.198
BB032012	Slc25a30	0.0033	-4.198
BB044654	Col27a1	0.0001	-4.163
BC002070	Ly6a	0.0084	-4.124
BC010973	Cyp8b1	0.0007	-4.085
AV000840		0.0041	-3.995
BB545511	EG666892	0.0205	-3.945
BB032012	Slc25a30	0.0173	-3.940
C77384	Hsp90aa1	0.0022	-3.905
C77287	Hsp90aa1	0.0016	-3.890
BG070713	Rab30	0.0004	-3.865
BG229036		0.0002	-3.802
BC021842	Susd4	0.0025	-3.795
BI413218	Acsl1	0.0002	-3.779
NM_008218	Hba-a1 /// Hba-a2	0.0087	-3.771
NM_025404	Arl4d	0	-3.738
BB042134	Abcd3	0.0361	-3.719
BC026598	Slc22a7	0.0046	-3.618
NM_023455	Cml4	0.001	-3.588

Genbank Acc	GENENAME	P	Fold Change
AK005692	Pdilt	0	-3.561
BI144810	BC024137	0.0012	-3.547
BB183385	Irf2bp2	0.0007	-3.539
NM_007824	Cyp7a1	0.0386	-3.514
BI076807		0	-3.506
AK010648	Mcm10	0.0002	-3.459
BE956940	Lonrf3	0.0007	-3.451
AK016522	Lonrf3	0.0057	-3.434
BB283688	C730036E19Rik	0.0014	-3.426
AF277898	Egfr	0	-3.368
NM_012006	Acot1 /// LOC100044830	0.0008	-3.350
NM_011388	Slc10a2	0.0048	-3.344
BM240237	Acox1	0.0046	-3.299
AK012685	2810007J24Rik	0.0107	-3.298
BC015290	Ces2 /// ENSMUSG00000031884	0.0058	-3.279
AK018143	Cgn	0.0414	-3.243
NM_054048	Rcor2	0.0031	-3.228
BC020021	Ttc39c	0.0054	-3.200
AK009156	2310004N24Rik	0.0275	-3.200
NM_134188	Acot1 /// Acot2 /// LOC100044830	0.0005	-3.197
AV377066	9130221J18Rik	0.0004	-3.194
BB091427	Adcy5 /// LOC100047385	0.0437	-3.189
BC003792	Apobec1	0.0002	-3.180
AK011116	Hba-a1 /// Hba-a2	0.0125	-3.171
NM_009255	Serpine2	0.0001	-3.139
AV028075	Ttc39c	0.0146	-3.139
U95826	Ccng2	0.0129	-3.123
BM195499	Ptbp1	0.0004	-3.120
AK003441	Ankhd1 /// Eif4ebp3	0.0147	-3.118
AV338634	Ctsa	0.0173	-3.109
BC027434	Hbb-b1 /// Hbb-b2	0.0152	-3.071
AI987711	Acsm2	0.0001	-3.059
BE980727	Clmn	0.0482	-3.056
BC010799	Glyat	0	-3.052
NM_011395	Slc22a3	0.0349	-3.052
BM021574		0.0161	-3.041
BB536254		0.0016	-3.020
AK008824	Nudt7	0.0232	-3.013
BB750043	9530006C21Rik	0.0005	-2.991
AV353028	Clpx	0.0003	-2.977

Genbank Acc	GENENAME	P	Fold Change
NM_013550	Hist1h4a /// Hist1h4b /// Hist1h4c /// Hist1h4h /// Hist1h4i /// Hist1h4j /// Hist1h4k /// Hist1h4	0.0036	-2.971
BG069864	Cry1	0.0011	-2.964
AI256288	E2f8 /// LOC100046261	0.0003	-2.958
BB206220	Pim3	0.0229	-2.953
NM_013485	C9	0.0007	-2.952
AI314028	P4ha1	0.0003	-2.952
BB227434	A630005I04Rik	0.0051	-2.950
NM_011020	Hspa4l	0.0004	-2.940
BB032012	Slc25a30	0.0035	-2.891
NM_011020	Hspa4l	0.0003	-2.887
AA162958	2200001I15Rik	0.0006	-2.881
AI314028	P4ha1	0.0117	-2.853
BM120737	Ahsa2	0.0006	-2.828
BB546845	Trp53inp2	0	-2.804
BB329302	Wsb2	0.0001	-2.777
BB270852		0.0023	-2.772
BI413218	Acsl1	0	-2.750
BB079486	LOC100044968	0.0064	-2.740
BF466918	Cys1	0.0007	-2.729
AI461691	Hspa4l	0.0001	-2.729
AK011116	Hba-a1 /// Hba-a2	0.0086	-2.709
BC011293	Slc25a33	0.0001	-2.708
BM124262	Klhl24	0.0091	-2.708
AV154597	2900064B18Rik	0.0146	-2.681
BF234005	Serpina3k	0.0052	-2.677
BM729431	Slc5a3	0.0003	-2.671
NM_011316	Saa4	0.0029	-2.665
AK011172	Nudt7	0.0267	-2.660
BB044461	Ttc39c	0.0073	-2.655
BB433596		0.0097	-2.654
BB745805	Acsm2	0.026	-2.648
AV369812	Egfr	0.0092	-2.644
AA590970	Hip1r	0.0007	-2.641
BC027200	Ugt2b1	0.0007	-2.636
BB771206		0.0089	-2.634
AK004874	Rapgef4	0.001	-2.626
BC019757	Hist1h4i	0.0131	-2.612
AV174022		0.0042	-2.612
BG070556		0.0012	-2.609
NM_025844	Chordc1	0	-2.596

Genbank Acc	GENENAME	P	Fold Change
AV369935	Aadacl1	0.0006	-2.585
BF141076	Dnaja1	0.0001	-2.573
NM_010286	Tsc22d3	0.0008	-2.563
BI076807		0.0375	-2.558
BE688907	Hist1h1e	0.0002	-2.552
NM_018881	Fmo2	0.005	-2.549
AK014853	4921509J17Rik	0.0022	-2.547
BG076194		0.0326	-2.540
AA530749	Srd5a1	0.0034	-2.539
BI411560	Mgll	0.0054	-2.532
NM_020283	B3galt1	0.0252	-2.524
BQ176176	Plcx2	0.0005	-2.518
BM240017		0.0094	-2.516
BC015270	Hist2h3c2	0.0345	-2.511
NM_133969	Cyp4v3	0.0005	-2.507
AK002290	Dnajb1	0	-2.506
AK019597	Srd5a1	0.0011	-2.506
BC022129	C8b	0.0002	-2.504
AJ132394	Rorc	0.0057	-2.490
BB453676	Hspa8	0	-2.486
BG072404	Ahcyl2	0.0001	-2.476
NM_010062	Dnase2a	0.003	-2.476
BG075092		0.004	-2.473
BC023083	Spsb4	0.0096	-2.469
BC019978	Slc25a25	0.0081	-2.464
AI503514	Clip1	0.0244	-2.463
AV003635	Srd5a1	0.0067	-2.460
D50527	Ubc	0	-2.441
BI413218	Acsl1	0.0001	-2.438
BF455403	Susd4	0.0009	-2.435
AK005570	Ppp1r3g	0.0307	-2.435
NM_021422	Dnaja4	0.0001	-2.418
NM_011031	P4ha2	0.0008	-2.403
NM_009272	Srm	0.0046	-2.400
BC025552	Ahsa1	0	-2.398
AW989410	Nampt	0.0095	-2.394
AY033912	Csad	0.0104	-2.391
BB283832		0.01	-2.379
BQ176176	Plcx2	0.0018	-2.366
BM231738	Hyou1	0.0021	-2.364
BG071905	Palld	0.0001	-2.362
BB777667	Ip6k2	0.0329	-2.362
BB272732	Upp2	0.0483	-2.362

Genbank Acc	GENENAME	P	Fold Change
BQ176119	Dnaja4	0.0018	-2.360
AB061276	Cmah	0.0137	-2.347
AF071068	Ddc	0.008	-2.344
BG073853	Akr1c19	0	-2.340
BC018344	Cyp2d13	0.01	-2.340
BI737125	3021401C12Rik	0.0028	-2.339
BB044654	Col27a1	0.0002	-2.330
NM_009525	Wnt5b	0.0365	-2.330
BI410130	Pnrc1	0.0349	-2.329
AK005014	1300015D01Rik	0.0008	-2.328
BB393078	Nrxn3	0.011	-2.327
BE852040		0.0324	-2.327
AK020905	Kif13b	0.0037	-2.322
AW546318		0	-2.320
BC025940	Ugt3a1	0.0054	-2.318
BB035017	Rarres1	0.0096	-2.309
U03425	Egfr	0.0063	-2.304
NM_133930	Creld1	0.0001	-2.303
BB183385	Irf2bp2	0.0047	-2.303
NM_015811	Rgs1	0.0012	-2.301
AK014346	Serpina12	0.0315	-2.298
BB699910	Arid5b /// LOC100044968	0.0098	-2.295
BI466416		0.001	-2.293
AK014338	Armet	0.0116	-2.290
BG069738		0.0002	-2.289
BC006722	Hspa8	0.0005	-2.282
AW123841	C730043O17	0.0151	-2.281
AK007348	Derl3	0.0376	-2.281
AF128849	Cyp2b10	0.0088	-2.278
BB353860	Frat2	0.0125	-2.275
NM_025341	Abhd6	0.0005	-2.270
AK017206	5033430I15Rik	0.002	-2.261
BE987427	Lpgat1	0.0024	-2.260
U03425	Egfr	0.0111	-2.260
AK006949	Mgll	0.0035	-2.259
BM247599		0.0002	-2.253
NM_134069	Slc17a3	0.0092	-2.250
AI265463	Pck1	0.0064	-2.249
NM_022324	Sdf2l1	0.0034	-2.247
NM_011920	Abcg2	0.0012	-2.243
AV062896	Ociad2	0.015	-2.236
NM_019414	Selenbp1	0.0002	-2.231

Genbank Acc	GENENAME	P	Fold Change
NM_011396	Slc22a5	0.0009	-2.228
BB712151	Lman2l	0.0003	-2.222
AI848345		0.0097	-2.208
NM_018881	Fmo2	0.0131	-2.206
BB142015	Marveld1	0.0092	-2.204
AK013216	Ercc8	0.0019	-2.201
BB414617	Dnaja1	0.0006	-2.198
AF205078	Palld	0.0007	-2.197
BB428304		0.0008	-2.195
BG069505	Slc12a2	0.0019	-2.195
BC027748	C8a	0.0013	-2.193
NM_013743	Pdk4	0.0039	-2.193
C85322	Syvn1	0.0001	-2.185
BM245957	Cmah	0.0274	-2.180
AI426506	C630028N24Rik	0.0079	-2.176
BB466021	Cep110	0.011	-2.165
AK004902	Hmgcs2	0.0025	-2.162
BB018051	AW987390	0.0001	-2.160
NM_016737	Stip1	0.0022	-2.160
AJ311773	Art3	0.0016	-2.151
BB141577	Fmo5 /// LOC100046051	0.0001	-2.145
AI835088	Herpud1	0.0002	-2.145
AK021389	Lpin2	0.0175	-2.145
NM_009722	Atp2a2	0	-2.144
BI154147	Hsp90ab1	0	-2.143
BB489416	Unc84b	0.0002	-2.143
NM_007717	Cmah	0.0311	-2.142
AW551908	Ubc	0	-2.140
BB521491	Fitm2	0	-2.138
AA245637	Atp2a2	0.0003	-2.135
BB825733	Trim7	0.0418	-2.134
NM_011844	Mgll	0.0066	-2.124
BB464192	Mapre1	0.0268	-2.123
NM_133969	Cyp4v3	0.0062	-2.120
BI653033	Ubc	0	-2.116
AA245637	Atp2a2	0.0026	-2.116
NM_022331	Herpud1	0.0003	-2.114
AK002603	0610012H03Rik	0.0001	-2.112
AA244468	Tmcc1	0.0012	-2.110
BC017621	Pim3	0.0471	-2.107
AV094609	Mtmr7	0.0125	-2.106
BC006680	LOC100048105 /// Ubc	0	-2.102
BF141076	Dnaja1	0.001	-2.095

Genbank Acc	GENENAME	P	Fold Change
BC021632	Lgals4	0.0009	-2.084
BB093563	Meg3	0.0015	-2.084
AK009137	Prei4	0.002	-2.083
BB703486	Snrnp48	0.0004	-2.082
BE691662	Hist2h3c1	0.0011	-2.079
AF091432	Ccne2	0.0053	-2.076
NM_011068	Pex11a	0	-2.075
BM947855	Plk3	0.0261	-2.075
BC026435	9130208E07Rik	0.001	-2.070
AA216953	ENSMUSG00000074917	0.0029	-2.068
AV332097	Tmem125	0.0432	-2.067
BM250711	Ibtk	0.0005	-2.066
AJ132394	Rorc	0.0191	-2.066
BB775176	Retsat	0.0116	-2.065
NM_008362	Il1r1	0.0377	-2.065
AA985897	Al195470	0.0001	-2.061
NM_010284	Ghr	0.0005	-2.060
BE136147	Gigyf2	0.0017	-2.058
BG068782	Rnf20	0.0094	-2.042
AF282251	Caln1	0.0006	-2.041
AV108872	Ccdc117	0.0001	-2.039
AK021389	Lpin2	0.0331	-2.037
BB186319	Slc25a25	0.0232	-2.035
BC006722	Hspa8	0.0008	-2.034
BC020080	Tmem140	0.0104	-2.034
AB012278	Cebpb	0.0472	-2.034
NM_007546	Bik	0.0015	-2.033
BM230202	Smarca2	0.0006	-2.031
U95826	Ccng2	0.0006	-2.031
NM_025341	Abhd6	0.0024	-2.028
BG063905	Pdxk	0.0023	-2.028
AV221889	Tmcc1	0	-2.027
BM238838		0.0118	-2.027
AV288616	4833442J19Rik	0.0069	-2.026
AV018723	H2-Aa	0.0107	-2.024
BC019147	EG13909 /// Es31	0.0102	-2.022
BB132493	Rsad2	0.0103	-2.019
BC026823	Pdcd6ip	0	-2.015
BB782031	Gigyf2	0.0065	-2.012
BB308952	Zbtb20	0.0006	-2.011
BQ177185	Wdr37	0.006	-2.006
BG063905	Pdxk	0.0037	-2.006
AV352768		0.0004	-2.005

Genbank Acc	GENENAME	P	Fold Change
BC025944	Dnmbp	0.0002	-2.004
BM900139	Ablim3	0.0213	-2.003
AV303043	Wnt5b	0.0037	-2.002
NM_011316	Saa4	0.0006	-2.002