

Supplementary Table 2. The DEGs list under pathological condition (MMvsM)

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30018562	Eraf	41.083244	Rn30004066	Fam36a	2.057539
Rn30000745	Hspa1b	27.571363	Rn30010875	RGD1560323	2.054533
Rn30018964	Mcpt8	22.952380	Rn30004333	-	2.041587
Rn30008354	Krt75	21.734422	Rn30014802	MGC94207	2.038315
Rn30002705	-	17.032027	Rn30000366	Pfdn6	2.037241
Rn30005152	Dapl1	16.453815	Rn30001820	-	2.004426
Rn30002678	-	14.932310	Rn30011801	C1qa	0.018447
Rn30016143	Obp3	14.916883	Rn30008196	Mmp3	0.020423
R002437_01	Tm4sf4	14.202362	R003960_01	Csf3	0.021640
Rn30008966	Cdkn3	13.251539	Rn30008190	Mmp3	0.029146
Rn30022203	RGD1564658	12.376319	Rn30008192	Mmp3	0.052190
Rn30016778	Ank1	11.486481	R002729_01	Cyr61	0.073092
Rn30018284	RGD1565787	11.370570	Rn30012770	Slpi	0.080789
Rn30025543	LOC500736	11.126715	R002336_01	-	0.082856
Rn30021953	-	11.019629	Rn30002157	Prg4	0.087210
Rn30011324	-	10.671160	Rn30026013	Lilrb4	0.095889
Rn30005130	Spic	10.283387	Rn30017416	-	0.099693
Rn30013296	-	10.004695	Rn30002049	-	0.113275
Rn30015151	Ns5atp9	9.343661	R001406_01	Ccl3	0.116901
Rn30003045	Asb11	9.035264	Rn30023219	Cxcl13	0.118303
Rn30004711	Srl	8.773841	Rn30022370	-	0.119984
Rn30014222	Ces3	8.597923	R002312_01	Pla2g2a	0.123126

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30004655	-	8.488780	Rn30026019	Lilrb4	0.123679
Rn30018835	Tacc2	8.478818	Rn30004446	-	0.125408
Rn30006073	Smyd1	8.389335	R004548_01	Ppp1r14c	0.140896
Rn30014233	Cdca3	8.346326	Rn30017247	Ugt1a1	0.146449
Rn30017593	-	8.303850	Rn30022462	-	0.146564
Rn30026350	-	8.133881	Rn30015878	Igsf6	0.152969
Rn30022958	Ckap2	8.055811	Rn30008193	Mmp10	0.156649
Rn30006313	RGD1304693	7.887529	Rn30019531	Ctss	0.166889
Rn30016369	Atp2b3	7.652867	Rn30022690	Fcgr3a	0.168175
Rn30021553	Ear11	7.595964	R002882_01	Timp1	0.168222
Rn30011179	-	7.549108	Rn30007566	Myo5a	0.169139
Rn30009494	Ear11	7.469758	Rn30002801	LOC498277	0.169486
Rn30002673	-	7.418829	Rn30023425	-	0.172619
Rn30005086	Aurkb	7.393346	Rn30024065	-	0.173695
Rn30003246	Igj	7.328226	Rn30022401	-	0.176577
Rn30020892	LOC364773	7.163163	Rn30020062	Clec4a1	0.176636
Rn30020334	RGD1310251	7.161664	Rn30002797	Fcgr2b	0.176964
R000142_01	Cdh1	7.051433	Rn30026040	-	0.180920
Rn30016930	-	6.964460	Rn30008293	-	0.182392
R002501_01	-	6.955927	Rn30014857	Cotl1	0.185676
Rn30000254	Fn3k	6.851828	Rn30009651	Dnajb14	0.186765
R000038_01	Pttg1	6.785596	Rn30020063	Clec4a1	0.187756
Rn30007675	RGD1559671	6.743277	Rn30020273	-	0.192524

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30006807	Smtnl1	6.707915	R003618_01	Slc2a3	0.193773
R002677_01	Nkg7	6.615996	Rn30013130	Stk11	0.195048
R004692_01	Lhx2	6.597168	Rn30005980	Nedd4	0.195602
Rn30017136	Ccnb1	6.334441	Rn30012017	Prc1	0.197535
R004465_01	Pcdh21	6.322125	Rn30026876	Slc28a2	0.197758
Rn30021366	-	6.304579	Rn30023067	-	0.202003
Rn30020465	Ctdspl2	6.287201	Rn30017269	-	0.202503
Rn30018960	Efna4	6.260781	Rn30011163	-	0.202811
Rn30021747	-	6.247623	Rn30001094	-	0.203318
Rn30000067	Rnase17	6.225851	Rn30012434	-	0.212644
Rn30026814	Bex4	6.224025	Rn30002325	Serpinb3a	0.213768
Rn30006268	Ctse	6.163654	Rn30001575	Eif4g1	0.217571
Rn30014030	Pbk	6.079240	Rn30014962	Ppp1r14c	0.222565
Rn30002090	Kcnj12	5.868604	Rn30024709	-	0.224277
Rn30009390	Chmp4c	5.778545	Rn30011612	-	0.227387
Rn30000844	-	5.760419	Rn30016785	-	0.227431
R004229_01	Ppbp	5.743860	Rn30005732	Samhd1	0.233371
R004509_01	Adipoq	5.721382	Rn30006757	Serping1	0.233464
Rn30011659	Pdlim3	5.720480	Rn30016806	-	0.235228
R005310_01	Hsph1	5.706119	Rn30024525	Hk3	0.241092
Rn30004899	-	5.702579	Rn30004547	Zfp36l2	0.243881
Rn30016016	-	5.692046	Rn30008365	-	0.244786
Rn30010964	Rasa2	5.657670	Rn30013792	Tex13b	0.244929

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30020948	-	5.623890	Rn30011731	-	0.245477
Rn30011587	Tlcd1	5.566018	R001889_01	Itgb7	0.245665
Rn30016246	Dennd2d	5.471729	Rn30011035	C1s	0.249626
Rn30025297	Slc5a3	5.417747	R003495_01	Cd14	0.250696
Rn30019056	Gzmb	5.384253	Rn30006408	-	0.257104
Rn30003464	Col1a1	5.377252	Rn30004453	Phf15	0.258588
Rn30004900	RGD1561776	5.356750	R000009_01	Enpp3	0.259257
Rn30023050	-	5.349726	Rn30006438	Myo1g	0.260811
Rn30003462	Col1a1	5.330135	Rn30017105	Ankrd1	0.261574
Rn30023060	-	5.329166	Rn30009012	-	0.263812
Rn30024809	Dhrs7c	5.310138	Rn30005979	Nedd4	0.263944
Rn30002820	Mpz	5.302353	Rn30019958	-	0.265354
Rn30006081	-	5.295778	Rn30007801	Batf	0.266631
Rn30024948	-	5.179125	R003916_01	-	0.266748
Rn30002295	Tnn	5.174581	Rn30007882	-	0.267612
Rn30015724	Pacrg	5.167651	Rn30011246	Itgb7	0.270174
Rn30014003	RGD1310784	5.123489	Rn30013737	Slc11a1	0.273338
Rn30013876	Ube2c	5.080434	Rn30002798	Fcgr3	0.274118
Rn30011451	-	5.048328	Rn30019473	Tnfaip8l2	0.274989
Rn30018851	Wnk4	5.043229	Rn30017219	Mgl1	0.275313
Rn30006521	Hspcal3	5.035602	Rn30004279	Myf5	0.278035
Rn30001969	RGD1310958	4.892431	Rn30022430	-	0.278644
R004336_01	Vegfc	4.858425	Rn30022466	-	0.279795

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30005567	Klhl31	4.852520	Rn30019773	Slfn8	0.281728
Rn30013155	-	4.831596	Rn30020823	-	0.283517
Rn30017686	Rhod	4.710167	Rn30006415	Lgmn	0.286307
R004106_01	Nr4a3	4.680434	R001657_01	Il4ra	0.292119
Rn30019936	-	4.668682	Rn30025515	Aph1b	0.294235
Rn30014807	Micalcl	4.643221	Rn30004105	Galntl1	0.298191
Rn30023621	Trdn	4.639911	Rn30016804	Errfi1	0.302994
Rn30022390	Fbxo5	4.576998	R001297_01	Apobec1	0.304338
R000042_01	Stmn1	4.555419	Rn30014070	Aox1	0.304623
Rn30020026	Dcakd	4.509214	R002937_01	Serpine1	0.311229
Rn30024343	Grem1	4.503192	Rn30018768	-	0.312202
Rn30017451	Mt3	4.492259	Rn30008505	Hck	0.313304
Rn30008641	-	4.474888	Rn30026753	-	0.315472
Rn30021004	-	4.449336	Rn30023637	-	0.315689
Rn30019475	Scn1b	4.407642	Rn30008846	Tnnt2	0.317458
Rn30018668	Kif22	4.398701	Rn30014156	-	0.319465
Rn30006390	Atp1b4	4.203583	R002652_01	Ifngr1	0.321670
R001375_01	-	4.120092	Rn30009206	Clecsf6	0.321890
Rn30022142	Fndc5	4.094028	Rn30022563	Plaur	0.326060
Rn30007828	Mal2	4.062913	R002843_01	Gda	0.326300
Rn30012901	-	3.994770	Rn30000608	-	0.328782
Rn30016881	Nt5dc2	3.934200	Rn30020329	-	0.331149
Rn30023140	-	3.838821	R000080_01	Cst3	0.333240

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30002155	Mfap4	3.775512	Rn30000186	-	0.337909
Rn30018211	Dyrk4	3.760977	Rn30012836	Il6st	0.341391
Rn30004691	Tcfap2c	3.725994	Rn30009586	Dync1li1	0.341404
Rn30002016	Yipf7	3.716659	R004525_01	Psmb8	0.343032
Rn30018961	-	3.665483	Rn30006689	Per1	0.343255
Rn30008218	Asb2	3.624158	Rn30013701	-	0.344315
Rn30003648	Trib1	3.614713	Rn30001184	Fam20c	0.344458
Rn30023927	-	3.607788	R002180_01	Eif4ebp1	0.345158
Rn30015077	RGD1565202	3.586203	R004337_01	Litaf	0.346097
R002663_01	Hspb3	3.582775	R004187_01	Fgl2	0.346351
Rn30020690	RGD1565395	3.537159	Rn30000609	-	0.347283
Rn30015282	Idi1	3.533668	Rn30016744	Slc28a2	0.349172
R000447_01	Wfdc1	3.528646	R000055_01	Pdpm	0.350188
Rn30007732	Dbf4	3.481672	R004620_01	Cryab	0.350700
Rn30017437	Tnnc1	3.462212	Rn30000541	Ptpnc	0.351050
R005385_01	Drg1	3.455561	Rn30013132	Fn1	0.359370
Rn30012085	-	3.446518	Rn30007859	Igfbp3	0.361284
Rn30015226	-	3.425474	R002658_01	Fcna	0.362465
Rn30000013	Tcf15	3.391982	Rn30009900	Aig1	0.364591
R003568_01	Jun	3.387341	Rn30012429	Rassf4	0.365033
Rn30021710	RGD1561694	3.375652	Rn30020829	Fkbp5	0.367902
R000524_01	Hpd	3.373605	Rn30000167	Ccl7	0.368221
Rn30009002	Ttk	3.363693	Rn30000963	Zdhhc4	0.369900

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30009399	-	3.339260	Rn30015171	Serpinb1a	0.370152
Rn30000432	-	3.307280	Rn30017075	Ctsl	0.371382
Rn30014500	Rbp7	3.306085	Rn30014231	Pja2	0.373157
Rn30004743	-	3.248698	Rn30015177	Ninj1	0.376058
Rn30011831	-	3.212814	Rn30016926	-	0.377316
Rn30010060	Ermp1	3.191089	Rn30013573	-	0.378261
Rn30008280	Prkar2b	3.187954	Rn30011077	B3galnt1	0.378857
Rn30011533	-	3.173498	Rn30000668	-	0.384845
Rn30021092	Pphln1	3.172590	Rn30010874	Sgk1	0.385900
Rn30009941	Esm1	3.145577	Rn30016528	Serpinb6a	0.387524
R002900_01	Tnmd	3.132247	Rn30016793	Ampd3	0.389024
Rn30015424	Cmtm5	3.131047	Rn30024749	Ppap2a	0.389570
Rn30011141	Ltbp2	3.117497	R000368_01	Vim	0.391799
R000222_01	Rgs2	3.111061	Rn30016235	-	0.392560
Rn30001287	Cux1	3.103367	Rn30000362	RT1-A2	0.395508
Rn30018684	Usmg5	3.088809	R000068_01	Fmo1	0.395835
Rn30010579	-	3.083949	Rn30005619	-	0.396010
Rn30016179	Srd5a1	3.075238	Rn30002249	Expi	0.396217
Rn30002459	Areg	3.066883	Rn30002059	Naaa	0.396580
Rn30018467	Tex101	3.047022	Rn30018080	Pgpep1	0.398860
Rn30018070	Hacl1	3.025972	Rn30012174	Sdccag10	0.399389
Rn30019310	Capn1	3.018641	R000806_01	Emp3	0.399617
Rn30009609	-	3.010926	R003915_01	Hspb8	0.400687

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30014572	Bub1	2.981897	R001319_01	Mvp	0.401162
R001836_01	Cpa3	2.973647	R001476_01	Adm	0.401639
Rn30022620	RGD1565350	2.966221	Rn30005642	Ptges	0.402358
R003045_01	Omd	2.944932	R004277_01	Tmem49	0.406021
R000968_01	S100b	2.928927	Rn30018564	Reep5	0.406500
Rn30008506	RGD1311874	2.922055	Rn30019436	Fxyd5	0.406858
R005101_01	Stard10	2.915885	Rn30010858	C1r	0.407150
R003150_01	Sqle	2.914396	R001662_01	Ptpnc	0.411062
Rn30017622	RGD1308113	2.909244	R002625_01	Jak2	0.414560
Rn30026696	Pak1	2.908412	Rn30019113	Cdc25a	0.414820
Rn30006896	C1qtnf5	2.903335	Rn30006391	Adfp	0.416464
Rn30018049	Trpv3	2.873781	R002604_01	Alox5ap	0.417893
Rn30003785	Pole2	2.872745	Rn30003498	-	0.418772
Rn30024466	Parva	2.856097	Rn30020794	Plp2	0.419623
Rn30000995	Tesc	2.841624	Rn30002177	RGD1359713	0.420936
Rn30016524	Golga7	2.832906	Rn30024944	-	0.421926
Rn30013879	-	2.829917	Rn30013301	Smc5	0.422578
Rn30008047	Ttc5	2.825991	R000212_01	Tspo	0.422600
R002962_01	Amd1	2.822354	Rn30025127	-	0.423429
Rn30014595	-	2.818882	Rn30003742	-	0.423892
Rn30018347	Rhot2	2.816808	Rn30004208	-	0.425732
Rn30001810	-	2.796143	Rn30018690	Lsp1	0.426702
Rn30014276	-	2.784631	Rn30023787	Wdr41	0.426859

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
Rn30021967	-	2.777963	Rn30003090	Ifi204	0.426872
Rn30024620	RGD1304876	2.759393	Rn30024110	Cfp	0.428124
Rn30000244	-	2.751578	Rn30017240	Pnpla2	0.429275
R004431_01	Selenbp1	2.739851	Rn30000361	-	0.429775
Rn30007326	-	2.727273	Rn30003243	-	0.430148
Rn30021040	-	2.709343	R002756_01	Fst	0.434164
Rn30017232	Rad9	2.705835	R002856_01	Map4k3	0.435397
Rn30006911	Zmynd17	2.704061	Rn30024020	-	0.436177
Rn30007758	Pdlim2	2.687595	R003898_01	Bid	0.437166
Rn30006157	-	2.678904	Rn30000743	Fhl1	0.437220
Rn30013029	-	2.674300	Rn30006692	Nfkbia	0.437327
R003656_01	Gpd1	2.664541	Rn30001856	LOC289482	0.437490
Rn30012424	Mat2a	2.643980	Rn30022686	-	0.438849
Rn30005463	Lynx1	2.628148	Rn30006244	Arhgap9	0.441880
Rn30014755	Ankrd23	2.605204	Rn30015393	Phyhd1	0.442472
R000432_01	Lum	2.582738	Rn30015029	Tyr	0.443632
R004038_01	-	2.564791	Rn30012141	Hmha1	0.444503
Rn30019238	Tdrkh	2.547205	Rn30012210	Mgst2	0.444838
Rn30010472	Slc37a4	2.539644	R000942_01	Fez2	0.447250
R002978_01	Hspa4	2.530917	Rn30009825	Wisp2	0.447318
Rn30018297	Matr3	2.468580	Rn30010542	RGD1561205	0.448085
R005497_01	Mlf1	2.422589	Rn30014232	Pja2	0.449046
Rn30001603	Tfrc	2.414134	Rn30020811	-	0.451590

Oligo_id	Name	Fold Change	Oligo_id	Name	Fold Change
R003751_01	Scg2	2.408769	Rn30004700	-	0.452181
Rn30008176	Irak1bp1	2.405833	R002584_01	Nr2f2	0.452891
Rn30026657	-	2.398906	Rn30017768	Tspan4	0.453948
R005080_01	Tm9sf3	2.392445	R003575_01	Batf3	0.453988
Rn30019324	Pthr1	2.387292	Rn30015949	Fbxw4	0.454251
Rn30021903	-	2.386393	Rn30008719	Rpo1-4	0.454915
Rn30009296	Pdcd10	2.378538	R000450_01	Slc2a1	0.455179
R003400_01	Mb	2.364087	Rn30006831	-	0.456476
Rn30000189	-	2.360489	Rn30005065	RGD1564065	0.458225
Rn30001405	Atp5j	2.341693	Rn30000360	RT1-A3	0.460989
Rn30018460	Slc7a6os	2.324999	Rn30009697	Mrpl45	0.461327
Rn30008261	Sec62	2.304420	Rn30016002	Apob48r	0.463604
Rn30010601	Pick1	2.300075	Rn30003601	-	0.465082
Rn30008039	Orc1l	2.298594	Rn30009029	Il18	0.467233
Rn30010276	Arsb	2.282641	R004296_01	Carhsp1	0.470142
Rn30014397	Parva	2.278451	Rn30008323	Mad2l2	0.470532
Rn30010270	-	2.275979	Rn30006528	-	0.470765
Rn30010677	-	2.266042	Rn30011252	-	0.474175
Rn30018587	-	2.263712	Rn30013053	Fam119a	0.475317
R002892_01	Car2	2.249938	Rn30016375	LOC39692	0.477302
Rn30019356	Tm7sf2	2.230323	Rn30000298	Gopc	0.477984
Rn30018311	Sgta	2.221152	R000678_01	Grn	0.479389
Rn30019269	Dpf2	2.216393	Rn30015017	Rnh1	0.479422

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Rn30021571	Cenpm	2.215065	Rn30025372	-	0.480885
Rn30006523	Dut-ps	2.208066	Rn30000352	Hla-dma	0.481522
Rn30015559	-	2.201706	R003693_01	Slco2b1	0.481547
Rn30009659	-	2.195713	Rn30012728	Arhgap17	0.482323
Rn30000773	Usp1	2.174628	R000846_01	Ripk3	0.482466
Rn30004914	-	2.171575	Rn30015819	Tcirg1	0.482773
Rn30013007	Rbm15b	2.137839	Rn30002405	Lamc1	0.483298
Rn30011001	Abhd14a	2.137585	Rn30008905	Praf2	0.483707
Rn30016600	Mrpl48	2.127500	Rn30011774	-	0.486360
Rn30009109	Cib2	2.122372	Rn30018582	Ahnak	0.486533
Rn30004521	Ube2t	2.119026	Rn30001421	-	0.486746
Rn30010641	Sub1	2.118062	Rn30003602	Glipr1	0.487234
Rn30015911	RGD1359529	2.117040	Rn30007540	-	0.491614
Rn30001332	Eln	2.112027	R000612_01	-	0.492266
Rn30007194	Cgref1	2.092496	Rn30024910	-	0.492421
Rn30021651	-	2.081677	R002276_01	Lcn2	0.494408
R002109_01	Rgs4	2.072322	Rn30010179	Laptm5	0.495186
Rn30011282	RGD1305288	2.065939	Rn30010425	Uhrf2	0.495417
Rn30017130	Plekhb1	2.063137	R004088_01	Eef2	0.498952
R003734_01	Trpv2	2.061259	R000911_01	Abcg1	0.499568

Note:- unknown.