

Supplemental table S1. Genes that were upregulated or downregulated at least 1.5-fold in lungs of rats treated with a 1% quercetin diet (n=6) as compared to rats treated with a control diet (n=6). Genes are ordered based on function and within functional category based on absolute fold change.

Gene symbol	Gene name	Sequence ID	p-Value	Fold change
<i>Immune response: Immunogloblins</i>				
Ig ^a	Monoclonal antibody Y13-259 Vk	X55180	0.246	3.08
Ig	Similar to productively rearranged V-lambda-2	XM_213585	0.149	-3.02
Ig	similar to IG light chain Vk region Y13-259	XM_575533	0.241	2.82
Ig	Immunoglobulin kappa light chain variable region	AF217591	0.255	2.08
Ig	Immunoglobulin, epsilon chain, variable region (clone Hg32)	Z75902	0.010	1.86
Ig	Immunoglobulin variable region (clone ERF2.37)	Z93363	0.683	1.78
Ig	Similar to Ig heavy chain V-I region HG3 precursor	XM_234745	0.698	1.77
Ig	Anti-SPE7 immunoglobulin E heavy chain variable region	AY331040	0.266	1.69
Ig	Rat IgK chain VJ1 region	M84148	0.985	1.57
Ig	Similar to immunoglobulin heavy chain	XM_234686	0.809	1.56
BWK3_predicted ^b	Similar to BWK3 (predicted)	XM_345756	0.339	1.55

Ig	Similar to monoclonal antibody kappa light chain	XM_578308	0.158	1.50
Ig	Similar to Immunoglobulin kappa-chain VJ precursor	M15402	0.230	-1.50
<i>Immune response: others</i>				
Spp1	Secreted phosphoprotein 1	NM_012881	0.486	-1.76
<i>Regulation of transcription</i>				
Zfp37	Zinc finger protein 37	NM_058209	0.918	-1.59
Lin28_predicted	Lin-28 homolog (C. elegans) (predicted)	XM_233546	0.360	-1.57
Olig2_predicted	Oligodendrocyte transcription factor 2 (predicted)	XM_221668	0.336	-1.51
<i>Transport</i>				
Cftr	Cystic fibrosis transmembrane conductance regulator homolog	NM_031506	0.822	-1.55
Naglt1	Na ⁺ dependent glucose transporter 1	NM_176080	0.907	-1.55
BBMI	Brush border myosin I	U25282	0.449	-1.50
<i>Retinoic acid metabolism</i>				
Cyp26b1	Cytochrome P450, family 26, subfamily b, polypeptide 1	NM_181087	0.095	1.58
<i>Signal transduction</i>				
Gpr85	G protein-coupled receptor 85	NM_022254	0.698	-1.65

Cell proliferation

Rasgrf1	RAS protein-specific guanine nucleotide-releasing factor 1	AF044908	0.392	-1.57
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Cell differentiation

Spata2	Spermatogenesis associated 2	NM_053675	0.429	-1.56
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Cell adhesion

Mag	Myelin-associated glycoprotein precursor	NM_017190	0.354	-1.50
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Unknown

-	Similar to KIAA0819 protein (predicted)	XM_232253	0.981	-1.77
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-	unknown	BM385726	0.927	-1.71
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-	unknown	A_44_P889765 ^c	0.320	-1.67
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-	unknown	AC125688	0.146	1.65
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-	unknown	A_44_P945931	0.996	-1.65
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-	Similar to mKIAA1940 protein	XM_242562	0.567	-1.61
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-	unknown	A_44_P164523	0.406	-1.53
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-	unknown	AI103161	0.950	-1.50
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-	Similar to chromosome 13 open reading frame 21 (predicted)	XM_573820	0.296	-1.50
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^a Genes coding for immunoglobulins and without annotated gene symbol were given the gene symbol: Ig

^b mRNA sequence contains IGv (Immunoglobulin domain variable region (v) subfamily domain) conserved domain

^c Agilent spot identifier (BLAST-n of spot sequence did not result in annotated functional gene product)