

Supplementary Table 3: Top 25 Downregulated Genes in RST vs PMT Samples

Agilent Probe Name	Gene Name	Gene Description	GO Ontology	Fold Change	P-value
A_51_P328089	Crb3	Crumbs homolog 3 (drosophila)	cell-cell junction, cell polarity	72.6	1.4x10 ⁻²
A_52_P159276	Grhl1	Grainyhead-like 1 (drosophila)	Regulation of transcription	65.4	4.1x10 ⁻³
A_51_P362328	Grhl2	Grainyhead-like 2 (drosophila)	Regulation of transcription	62.1	4.3x10 ⁻³
A_51_P301435	B3galt5	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5	Protein amino acid glycosylation	52.1	1.8x10 ⁻³
A_51_P165185	Cldn7	Claudin 7	Tight junctions	50.5	2.3x10 ⁻³
A_51_P142258	1810019J16Rik	RIKEN cDNA 1810019J16 gene	Not determined	49.0	2.8x10 ⁻³
A_52_P340669	Bhlhb8	Basic helix-loop-helix family, member a15	Cell maturation; cell signalling; glucose homeostasis; calcium mediated signalling; regulation of transcription	48.1	1.7x10 ⁻³
A_52_P642488	Kcnk1	Potassium channel, subfamily K, member 1	Ion transport	45.2	2.5x10 ⁻³
A_51_P363749	Irf6	Interferon regulatory factor 6	Proliferation, regulation of transcription	43.7	6.0x10 ⁻³
A_51_P206708	Acox2	Acyl-Coenzyme A oxidase 2, branched chain	Fatty acid metabolism	42.6	1.9x10 ⁻³
A_51_P397296	Marveld3	MARVEL (membrane-associating) domain containing 3	Not determined	42.2	2.3x10 ⁻³
A_51_P488730	Zfp612	Zinc finger protein 612	Not determined	41.5	2.2x10 ⁻³
A_52_P447944	Epcam	Epithelial cell adhesion molecule	Not determined	37.5	3.4x10 ⁻³
A_51_P135012	Rhpn2	Rhopilin, Rho GTPase binding protein 2	Signal transduction	36.6	2.1x10 ⁻³
A_51_P379997	Galnt3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3	Glycosyl transferase activity	36.1	3.9x10 ⁻³
A_51_P482503	Tpd52l1	Tumor protein D52-like 1	Not determined	34.6	3.5x10 ⁻³
A_52_P642012	BC038907	cDNA sequence BC006995	Not determined	33.3	2.4x10 ⁻³
A_52_P382926	Ell3	Elongation factor RNA polymerase II-like 3	RNA elongation from RNA polymerase II promoter	29.6	4.2x10 ⁻³
A_51_P219918	Tmem125	Transmembrane	Not determined	27.6	2.4x10 ⁻³

		protein 125			
A_51_P333923	Tspan1	Tetraspanin 1	Not determined	27.2	2.8×10^{-3}
A_51_P227275	Csn3	Casein kappa	Not determined	27.2	3.9×10^{-3}
A_51_P282930	Rorc	RAR-related orphan receptor gamma	Cell differentiation, lymph node development; protein amino acid phosphorylation; regulation of transcription	27.2	2.3×10^{-3}
A_52_P384264	Zfp185	Zinc finger protein 185	Not determined	26.9	4.2×10^{-3}
A_51_P356642	Krt19	Keratin 19	Cell differentiation involved in embryonic placental development	26.6	2.7×10^{-3}
A_51_P173114	Cdhr1	Cadherin-related family member 1	Cell adhesion; photoreceptor cell maintenance; visual perception	26.6	1.7×10^{-3}