

Supplementary Table 2: Top 25 Upregulated Genes in RST vs PMT Samples

Agilent Probe Name	Gene Name	Gene Description	GO Ontology	Fold Change	P-value
A_51_P453158	Fam5c	Family with sequence similarity, member C	Cell cycle	39.3	4.1x10 ⁻³
A_52_P185907	Crabp1	Cellular retinoic acid binding protein 1	Retinol binding; lipid binding	25.6	3.9x10 ⁻³
A_51_P225224	Htra1	HtrA serine peptidase 1	BMP signalling; TGF beta receptor signalling; IGF binding	25.5	4.4x10 ⁻³
A_51_P105078	S100a4	S100 calcium binding protein A4	Calcium ion binding; neuron projection; protein binding	23.3	4.5x10 ⁻³
A_51_P163146	Sema3a	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphoring) 3A	Apoptosis; axon guidance; cell differentiation; chemotaxis	22.3	2.6x10 ⁻³
A_51_P241068	Dkk2	Dickkopf homolog 2 (Xenopus laevis)	Wnt signaling	20	4.3x10 ⁻³
A_51_P339793	Il1rl1	Interleukin 1 receptor-like 1	Cytokine signalling; innate immune response; IκB and NF-κB signaling	17.8	3.4x10 ⁻³
A_51_P125725	Sh3gl3	SH3-domain GRB2-like 3	Lipid binding; protein binding; endocytosis	17.5	4.9x10 ⁻³
A_52_P306845	Cav1	Caveolin 1, caveolae protein	Nitric-oxide synthase binding; peptidase activator activity; SNARE binding; focal adhesion; calcium ion homeostasis; cholesterol homeostasis; endocytosis; MAPK activity; cell proliferation; JAK-STAT signaling	14.9	7.7x10 ⁻³
A_51_P337412	Efemp1	Epidermal growth factor-containing fibulin-like extracellular matrix protein 1	Calcium ion binding	14.8	1.9x10 ⁻²
A_52_P432969	Pcdh19	Protocadherin 19	Calcium ion binding; cell adhesion	13.7	3.0x10 ⁻³
A_51_P220150	Angptl7	Angiopoietin-like 7	Signal transduction	13.6	1.7x10 ⁻²
A_51_P392687	Vim	vimentin	Intermediate filament-based process	13.3	3.8x10 ⁻³
A_51_P345649	Pdgfra	Platelet derived growth factor receptor, alpha polypeptide	Estrogen metabolism, ECM organization, face morphogenesis; female gonad development; leydig cell differentiation; lung development; odontogenesis of dentine-containing tooth; cell proliferation; tyrosine kinase signaling	13.2	3.6x10 ⁻³
A_51_P283766	Plxdc1	Plexin domain containing 1	Not determined	13.2	3.3x10 ⁻³
A_51_P313067	Ccbe1	Collagen and calcium binding EGF domains 1	Calcium ion binding; angiogenesis	12.6	1.3x10 ⁻²

A_51_P397983	Slc9a2	Solute carrier family 9 (sodium-hydrogen exchanger), member 2	Transmembrane ion transport; protein localization; proton transport; pH regulation	12.4	2.0×10^{-2}
A_52_P514407	Klra15	Killer cell lectin-like receptor, subfamily A, member 15	Not determined	11.8	2.6×10^{-2}
A_52_P39083	Ccbe1	Collagen and calcium binding EGF domains 1	angiogenesis, lymphangiogenesis	11.5	1.3×10^{-2}
A_52_P300730	Hmga2	High mobility group AT-hook 2	Cell cycle; JAK-STAT signalling; steroid hormone receptor signalling; transcription regulation	11.4	1.6×10^{-3}
A_51_P483118	Hmga1	High mobility group AT-hook 1	spermatogenesis	11.1	2.8×10^{-3}
A_51_P176972	Amigo2	Adhesion molecule with Ig like domain 2	Heterophilic and homophilic cell adhesion; apoptosis	10.6	2.5×10^{-2}
A_51_P392303	Lrrn3	Leucine rich repeat protein 3, neuronal	MAPK activity; endocytosis	10.6	1.6×10^{-2}
A_51_P132079	Klra22	Killer cell lectin-like receptor subfamily A, member 22	Not determined	10.5	1.9×10^{-2}
A_52_P549166	Arsj	Arylsulfatase J	Sulphuric ester hydrolase activity	10.4	3.5×10^{-3}