

SM-Table 3: Genes Significantly Upregulated (>1.5 fold, p<0.05) in HTM Cells Phagocytically Challenged to Pigment Under Physiological Conditions

Gene Title	Gene Symbol	UniGene ID	Fold	PValue	Chromosomal Location
interleukin 33	IL33	Hs.348390	2.16	4.3E-03	chr9p24.1
matrix metalloproteinase 3 (stromelysin 1, progelatinase)	MMP3	Hs.375129	2.09	6.0E-03	chr11q22.3
matrix metalloproteinase 1 (interstitial collagenase)	MMP1	Hs.83169	1.98	5.9E-03	chr11q22.3
deiodinase, iodothyronine, type II	DIO2	Hs.202354	1.92	6.0E-03	chr14q24.2-q24.3
tumor necrosis factor (ligand) superfamily, member 11	TNFSF11	Hs.333791	1.87	9.1E-03	chr13q14
tissue factor pathway inhibitor 2	TFPI2	Hs.438231	1.81	1.2E-02	chr7q22
230746_s_at		Hs.713064	1.80	2.8E-03	
kynureninase (L-kynurenine hydrolase)	KYNU	Hs.470126	1.75	1.3E-02	chr2q22.2
Growth arrest-specific 2 like 3	GAS2L3	Hs.20575	1.63	2.5E-02	chr12q23.1
discs, large (Drosophila) homolog-associated protein 5	DLGAP5	Hs.77695	1.62	1.3E-02	chr14q22.3
cyclin B1	CCNB1	Hs.23960	1.61	2.1E-02	chr5q12
centromere protein A	CENPA	Hs.1594	1.59	2.1E-02	chr2p24-p21
kinesin family member 20A	KIF20A	Hs.718626	1.59	1.9E-02	chr5q31
forkhead box Q1	FOXQ1	Hs.591352	1.59	2.8E-02	chr6p25
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2	GALNTL2	Hs.411308	1.59	2.2E-02	chr3p24.3
superoxide dismutase 2, mitochondrial	SOD2	Hs.487046	1.56	6.0E-03	chr6q25.3
NIMA (never in mitosis gene a)-related kinase 2	NEK2	Hs.153704	1.56	9.2E-03	chr1q32.2-q41
six transmembrane epithelial antigen of the prostate 1	STEAP1	Hs.61635	1.53	5.3E-03	chr7q21
hyaluronan-mediated motility receptor (RHAMM)	HMMR	Hs.72550	1.52	4.3E-02	chr5q33.2-qter
family with sequence similarity 83, member D	FAM83D	Hs.472716	1.52	1.7E-02	chr20q11.22-q12
chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)	CXCL6	Hs.164021	1.51	1.4E-02	chr4q21
stanniocalcin 1	STC1	Hs.25590	1.51	2.8E-03	chr8p21-p11.2
solute carrier family 39 (zinc transporter), member 8	SLC39A8	Hs.288034	1.51	8.0E-03	chr4q22-q24
coxsackie virus and adenovirus receptor	CXADR	Hs.634837	1.51	1.9E-02	chr21q21.1
SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae)	SPC25	Hs.421956	1.50	1.5E-02	chr2q24.3
TTK protein kinase	TTK	Hs.169840	1.50	2.1E-02	chr6q13-q21