

Table S5. Gene list H, up and down-regulated genes in PPP tolerant Line2-T500 and line3-T200 cells (including genes with >2-fold difference vs parental cells)

Affymetrix Probe Set ID	Gene Symbol	Gene Title	Chromosomal Location
Upregulated genes			
204517_at	<i>PPIC</i>	peptidylprolyl isomerase C (cyclophilin C)	5q23.2
225351_at	<i>FAM45A</i>	family with sequence similarity 45, member A	10q25
201732_s_at	<i>CLCN3</i>	chloride channel 3	4q33
210220_at	<i>FZD2</i>	frizzled homolog 2 (Drosophila)	17q21.1
225897_at	<i>MARCKS</i>	myristoylated alanine-rich protein kinase C substrate	6q22.2
202258_s_at	<i>N4BP2L2</i>	NEDD4 binding protein 2-like 2	13q13.1
226820_at	<i>ZNF362</i>	zinc finger protein 362	1p35.1
227812_at	<i>TNFRSF19</i>	tumor necrosis factor receptor superfamily, member 19	13q12.11-12.3
223170_at	<i>TMEM98</i>	transmembrane protein 98	17q11.2
220122_at	<i>MCTP1</i>	multiple C2 domains, transmembrane 1	5q15
203387_s_at	<i>TBC1D4</i>	TBC1 domain family, member 4	13q22.2
36564_at	<i>RNF19B</i>	ring finger protein 19B	1p35.1
230259_at	<i>C10orf125</i>	chromosome 10 open reading frame 125	10q26.3
223412_at	<i>KBTD7</i>	kelch repeat and BTB (POZ) domain containing 7	13q14.11
214492_at	<i>SGCD</i>	sarcoglycan, delta	5q33-34
212805_at	<i>PRUNE2</i>	prune homolog 2 (Drosophila)	9q21.13
212956_at	<i>TBC1D9</i>	TBC1 domain family, member 9	4q31.21
227711_at	<i>GTSF1</i>	gametocyte specific factor 1	12q13.2
241771_at	<i>RIMBP2</i>	RIMS binding protein 2	12q24.33
201548_s_at	<i>KDM5B</i>	lysine (K)-specific demethylase 5B	1q32.1
219102_at	<i>RCN3</i>	reticulocalbin 3, EF-hand calcium binding domain	19q13.33
214963_at	<i>NUP160</i>	nucleoporin 160kDa	11p11.2
91703_at	<i>EHBP1L1</i>	EH domain binding protein 1-like 1	11q13.1
204451_at	<i>FZD1</i>	frizzled homolog 1 (Drosophila)	7q21
1570315_at	<i>HTA</i>	hepatoma associated protein	16q22.3
243606_at	<i>FAM55C</i>	family with sequence similarity 55, member C	3q12.3
231725_at	<i>PCDHB2</i>	protocadherin beta 2	5q31
209738_x_at	<i>PSG6</i>	pregnancy specific beta-1-glycoprotein 6	19q13.2
231969_at	<i>STOX2</i>	storkhead box 2	4q35.1
223642_at	<i>ZIC2</i>	Zic family member 2 (odd-paired homolog, Drosophila)	13q32
207777_s_at	<i>SP140</i>	SP140 nuclear body protein	2q37.1
232060_at	<i>ROR1</i>	receptor tyrosine kinase-like orphan receptor 1	1p32-p31
1554966_a_at	<i>FILIP1L</i>	filamin A interacting protein 1-like	3q12.1
206382_s_at	<i>BDNF</i>	brain-derived neurotrophic factor	11p13
202403_s_at	<i>COL1A2</i>	collagen, type I, alpha 2	7q22.1
209423_s_at	<i>PHF20</i>	PHD finger protein 20	20q11.22-11.23
209947_at	<i>UBAP2L</i>	ubiquitin associated protein 2-like	1q21.3
241700_at	<i>ZFHX4</i>	zinc finger homeobox 4	8q21.11
1553153_at	<i>ATP6V0D2</i>	ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d2	---
211204_at	<i>ME1</i>	malic enzyme 1, NADP(+)-dependent, cytosolic	6q12
215505_s_at	<i>STRN3</i>	striatin, calmodulin binding protein 3	14q13-21
221760_at	<i>MAN1A1</i>	Mannosidase, alpha, class 1A, member 1	6q22
201101_s_at	<i>BCLAF1</i>	BCL2-associated transcription factor 1	6q22-q23
203577_at	<i>GTF2H4</i>	general transcription factor IIH, polypeptide 4, 52kDa	6p21.3
225524_at	<i>ANTXR2</i>	anthrax toxin receptor 2	4q21.21
209807_s_at	<i>NFIX</i>	nuclear factor I/X (CCAAT-binding transcription factor)	19p13.3
224566_at	<i>NCRNA00084</i>	non-protein coding RNA 84	11q13.1
220245_at	<i>SLC45A2</i>	solute carrier family 45, member 2	5p13.3
214073_at	<i>CTTN</i>	cortactin	11q13
212120_at	<i>RHOQ</i>	ras homolog gene family, member Q	2p21
225363_at	<i>PTEN</i>	phosphatase and tensin homolog	10q23.3
212514_x_at	<i>DDX3X</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	Xp11.3-11.23
206858_s_at	<i>HOXC6</i>	homeobox C6	12q13.3
209357_at	<i>CITED2</i>	Cbp/p300-interacting transactivator 2	6q23.3

217114_at	<i>LOC652147</i>	similar to U5 snRNP-specific protein, 200 kDa	---
211931_s_at	<i>HNRNPA3</i>	heterogeneous nuclear ribonucleoprotein A3	10q11.21 /2q31.2
224344_at	<i>COX6A1</i>	cytochrome c oxidase subunit VIa polypeptide 1	12q24.2

Down-regulated genes

201087_at	<i>PXN</i>	paxillin	12q24.31
222421_at	<i>UBE2H</i>	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	7q32
207643_s_at	<i>TNFRSF1A</i>	tumor necrosis factor receptor superfamily, member 1A	12p13.2
238462_at	<i>UBASH3B</i>	ubiquitin associated and SH3 domain containing, B	11q24.1
224480_s_at	<i>AGPAT9</i>	1-acylglycerol-3-phosphate O-acyltransferase 9	4q21.23
203108_at	<i>GPRC5A</i>	G protein-coupled receptor, family C, group 5, member A	12p13-12.3
216005_at	<i>TNC</i>	Tenascin C	9q33
225171_at	<i>ARHGAP18</i>	Rho GTPase activating protein 18	6q22.33
227372_s_at	<i>BAIAP2L1</i>	BAI1-associated protein 2-like 1	7q21.3
212341_at	<i>YIPF6</i>	Yip1 domain family, member 6	Xq12
202105_at	<i>IGBP1</i>	immunoglobulin (CD79A) binding protein 1	Xq13.1-13.3
209765_at	<i>ADAM19</i>	ADAM metallopeptidase domain 19 (meltrin beta)	5q32-33
201887_at	<i>IL13RA1</i>	interleukin 13 receptor, alpha 1	Xq24
213428_s_at	<i>COL6A1</i>	collagen, type VI, alpha 1	21q22.3
201189_s_at	<i>ITPR3</i>	inositol 1,4,5-triphosphate receptor, type 3	6p21
212838_at	<i>DNMBP</i>	dynamin binding protein	10q24.2
235692_at	<i>SH3KBP1</i>	SH3-domain kinase binding protein 1	Xp22.1-21.3
238909_at	<i>S100A10</i>	S100 calcium binding protein A10	1q21
204286_s_at	<i>PMAIP1</i>	phorbol-12-myristate-13-acetate-induced protein 1	18q21.32
219833_s_at	<i>EFHC1</i>	EF-hand domain (C-terminal) containing 1	6p12.3
225728_at	<i>SORBS2</i>	sorbin and SH3 domain containing 2	4q35.1
228574_at	<i>TMTC2</i>	Transmembrane and tetratricopeptide repeat containing 2	12q21.31
1560019_at	<i>MGC11082</i>	hypothetical LOC84777	18p11.31
224964_s_at	<i>GNG2</i>	guanine nucleotide binding protein (G protein), gamma 2	14q21
232020_at	<i>SMURF2</i>	SMAD specific E3 ubiquitin protein ligase 2	17q22-23
1555673_at	<i>KRTAP2-4</i>	keratin associated protein 2-4	17q12-21
216862_s_at	<i>MTCP1NB</i>	mature T-cell proliferation 1 neighbor	Xq28
216971_s_at	<i>PLEC1</i>	plectin 1, intermediate filament binding protein 500kDa	8q24
227205_at	<i>TAF1</i>	TAF1 RNA polymerase II	Xq13.1
230206_at	<i>DOCK5</i>	Dedicator of cytokinesis 5	8p21.2
201373_at	<i>PLEC1</i>	plectin 1, intermediate filament binding protein 500kDa	8q24
203821_at	<i>HBEGF</i>	heparin-binding EGF-like growth factor	5q23
1552334_at	<i>TRIOBP</i>	TRIO and F-actin binding protein	22q13.1
222815_at	<i>RLIM</i>	ring finger protein, LIM domain interacting	Xq13-21
228005_at	<i>ZXDB</i>	zinc finger, X-linked, duplicated B	Xp11.21
213280_at	<i>GARNL4</i>	GTPase activating Rap/RanGAP domain-like 4	17p13.3
232612_s_at	<i>ATG16L1</i>	ATG16 autophagy related 16-like 1 (<i>S. cerevisiae</i>)	2q37.1
229785_at	<i>KRIT1</i>	KRIT1, ankyrin repeat containing	7q21-22
204894_s_at	<i>AOC3</i>	amine oxidase, copper containing 3	17q21
201951_at	<i>ALCAM</i>	activated leukocyte cell adhesion molecule	3q13.1
203180_at	<i>ALDH1A3</i>	aldehyde dehydrogenase 1 family, member A3	15q26.3
229876_at	<i>PHKA1</i>	phosphorylase kinase, alpha 1 (muscle)	Xq12-13
235056_at	<i>ETV6</i>	ets variant 6	12p13
206683_at	<i>ZNF165</i>	zinc finger protein 165	6p21.3
1555882_at	<i>SPIN3</i>	spindlin family, member 3	Xp11.1
213424_at	<i>KIAA0895</i>	KIAA0895	7p14.2
1552362_a_at	<i>LEAP2</i>	liver expressed antimicrobial peptide 2	5q31.1
238813_at	<i>ALAS2</i>	aminolevulinic acid, delta-, synthase 2	Xp11.21
208791_at	<i>CLU</i>	clusterin	8p21-12
202512_s_at	<i>ATG5</i>	ATG5 autophagy related 5 homolog (<i>S. cerevisiae</i>)	6q21
238542_at	<i>ULBP2</i>	UL16 binding protein 2	6q25
213326_at	<i>VAMP1</i>	vesicle-associated membrane protein 1 (synaptobrevin 1)	12p
206385_s_at	<i>ANK3</i>	ankyrin 3, node of Ranvier (ankyrin G)	10q21
219911_s_at	<i>LOC100134295</i>	similar to Solute carrier organic anion transporter family, 4A1	20q13.33
209679_s_at	<i>SMAGP</i>	small trans-membrane and glycosylated protein	12q13.13

213093_at	<i>PRKCA</i>	protein kinase C, alpha	17q22-23.2
209373_at	<i>MALL</i>	mal, T-cell differentiation protein-like	2q13
39248_at	<i>AQP3</i>	aquaporin 3	9p13
202085_at	<i>TJP2</i>	tight junction protein 2	9q13-21
226021_at	<i>RDH10</i>	retinol dehydrogenase 10	8q21.11
205199_at	<i>CA9</i>	carbonic anhydrase IX	9p13-12
224825_at	<i>DNTTIP1</i>	deoxynucleotidyltransferase, terminal, interacting protein 1	20q13.12
204268_at	<i>S100A2</i>	S100 calcium binding protein A2	1q21
203323_at	<i>CAV2</i>	caveolin 2	7q31.1
222088_s_at	<i>SLC2A14</i>	solute carrier family 2, member 14	12p13.3 /13.31
211998_at	<i>H3F3B</i>	H3 histone, family 3B (H3.3B)	17q25
208614_s_at	<i>FLNB</i>	filamin B, beta	3p14.3
201012_at	<i>ANXA1</i>	annexin A1	9q12-21.2
208698_s_at	<i>NONO</i>	non-POU domain containing, octamer-binding	Xq13.1
221847_at	<i>LOC100129361</i>	hypothetical protein LOC100129361	12p13.2
222450_at	<i>PMEPA1</i>	prostate transmembrane protein, androgen induced 1	20q13.31-13.33
208937_s_at	<i>ID1</i>	inhibitor of DNA binding 1, dominant negative helix-loop-helix prot	20q11
202499_s_at	<i>SLC2A3</i>	solute carrier family 2, member 3	12p13.3
212097_at	<i>CAV1</i>	caveolin 1, caveolae protein, 22kDa	7q31.1
216268_s_at	<i>JAG1</i>	jagged 1 (Alagille syndrome)	20p12.1-11.23
222673_x_at	<i>FAM122B</i>	family with sequence similarity 122B	Xq26.3
201324_at	<i>EMP1</i>	epithelial membrane protein 1	12p12.3
202609_at	<i>EPS8</i>	epidermal growth factor receptor pathway substrate 8	12q13
219263_at	<i>RNF128</i>	ring finger protein 128	Xq22.3
225842_at	<i>PHLDA1</i>	pleckstrin homology-like domain, family A, member 1	12q15
212552_at	<i>HPCAL1</i>	hippocalcin-like 1	2p25.1