

SUPPLEMENTARY TABLE 2

Ionomycin downregulated genes	ENRICHED PATHWAYS	
	defense responses (GO:0006952)	<i>gimap5, mmp25, il18r1, ncr3, nt5e, ccr3, il3ra, adrb2, snca, ccr5, ccr1, ncf2, rnase6, gnly, itgb2, tnf, ccl4l1, ccl4, ccl3, ccr2</i>
	inflammatory response (GO:0006954)	<i>mmp25, ncr3, nt5e, ccr3, il3ra, adrb2, ccr5, ccr1, itgb2, tnf, ccl4l1, ccl4, ccl3, ccr2</i>
	regulation of immune system process (GO:0002682)	<i>egr1, gimap5, ncr3, snca, tnf</i>
	innate immune response (GO:0045087)	<i>ncam1, ltb, adrb2, tnf</i>
	chemotaxis (GO:0006935)	<i>ccr2, ccl3, ccl4, ccl4l1, itgb2, itgam, ccr1, ccr5, ccr3, cmklr1</i>
	locomotory behavior (GO:0007626)	<i>cmklr1, itgam, ccr3, snca, ccr5, ccr1, itgb2, ccl4l1, ccl4, ccl3, ccr2</i>
	cellular calcium ion homeostasis (GO:0006874)	<i>ccr2, ccl3, cd52, ccr1, ccr5, ccr3</i>
	cell-cell signaling (GO:0007267)	<i>pcsk5, tspan32, spry2, egr2, ltb, egr1, snca, ccr5, ccr1, itgb2, tnf, ccl4, ccl3</i>
	cell adhesion (GO:0007155)	<i>itga6, cd300a, sell, ncam1, itgam, ccr3, ccr1, itgb2, tnf, ccl4</i>
	integrin-mediated signaling pathway (GO:0007229)	<i>ncam1, ltb, adrb2, tnf</i>
	cell activation (GO:0001775)	<i>ltb, itgam, egr1, gimap5, snca, tnf</i>
	leukocyte activation (GO:0045321)	<i>itgam, egr1, gimap5, snca</i>
	immunesystem development (GO:0002520)	<i>timp1, irf3, ltb, egr1, gimap5, tnf</i>
	regulation of cell proliferation (GO:0042127)	<i>ifitm1, timp1, ltb, adrb2, tnf</i>
	cytokine production (GO:0001816)	<i>pcsk5, ltb, gimap5, tnf</i>
	positive regulation of signal transduction (GO:0009967)	<i>ncam1, ltb, adrb2, tnf</i>
	positive regulation of programmed cell death (GO:0043067)	<i>ncam1, ltb, adrb2, tnf</i>
	ENRICHED CELLULAR LOCALIZATIONS	
	cell surface (GO:0009986)	<i>ITGA6, ccr5, ncam1, itgam, sell, tnf, mmp25</i>
	membrane rafts (GO:0045121)	<i>stom, adrb2, tnf</i>
	extracellular space (GO:0005615)	<i>ltb, gnly, tnf, ccl4l1, ccl4, ccl3, ccl3l3, pcsk5</i>
	ENRICHED FUNCTIONS	
	cytokine activity (GO:0005125)	<i>ltb, tnf, ENST00000400702, ccl4l1, ccl4, ccl3, ccl3l3</i>
	cytokine binding (GO:0019955)	<i>il18r1, il3ra, ncam1, cxcr7, cmklr1, ccr3, ccr5, cxcr6, ccr1, ccr2</i>
	peptidase activity (GO:0008233)	<i>mmp25, gzmh, ctsw, gzmk, gzma, pcsk5</i>
	cell death (GO:0008219)	<i>ltb, gzmh, gzma, itgb2, tnf</i>
natural killer cell mediated cytotoxicity (hsa04650)	<i>ncr3, hcst, itgb2, tnf</i>	
cytokine-cytokine receptor interaction (hsa04060)	<i>il18r1, il3ra, ltb, ccr5, cxcr6, ccr1, tnf, ccl4l1, ccl4, ccl3, ccr2, ccl3l3</i>	
leukocyte transendothelial migration (hsa04670)	<i>nf2, itgam, itgb2</i>	
Ionomycin upregulated genes	ENRICHED PATHWAYS	
	response to organic substance (GO:0010033)	<i>creb3l3, cyp1b1, lef1, ptprf, igfbp2, gng4, dusp4, cd27, cav1, hspb1, hmox1</i>
	regulation of signal transduction (GO:0009966)	<i>lef1, ptprf, igfbp2, p2rx5, gng4, ramp1, dusp2, cd27, cav1, hmox1</i>
	positiveregulation of signal transduction (GO:0009967)	<i>p2rx5, cd27, cav1, hmox1</i>
	positive regulation of programmed cell death (GO_0043068)	<i>ptprf, prkce, mal, tnfrsf9, cd27, hmox1</i>
	dephosphorylation (GO:0016311)	<i>ptprf, prkce, mal, tnfrsf9, cd27, hmox1</i>
	cellular ion homeostasis (GO:0006873)	<i>pmch, p2rx5, mal, cav1</i>
	ENRICHED CELLULAR LOCALIZATIONS	
	insoluble fraction (GO:0005626)	<i>hspb1, lmna, prkce, ptprf, ppap2a, rdh10, mal, hmox1, cyp1b1, cav1, pon3, cd27</i>
	extracellular space (GO:0005615)	<i>ramp1, cd109, pmch, igfbp2, vcam1, hmox1, pon3</i>
	vesicular fraction (GO:0042598)	<i>ptprf, rdh10, hmox1, cyp1b1, pon3</i>
	ENRICHED FUNCTIONS	
	phosphatases (GO:0016791)	<i>dusp4, ptprf, ppap2a, dusp2, pon3</i>
oxidoreductases (GO:0016491)	<i>a_23_p431853, a_23_p317056, igfbp2, pycr1, rdh10, moxd1, cyp1b1, hmox1</i>	