

Supplementary Table SII Genes differentially expressed in pre-pregnancy uNK cells due to hormonal stimulation.

Gene name	Gene description	Chromosome #	Fold change	P-value
<i>CHIT1</i>	Chitinase 1	1	68.167	0.000
<i>LDHC</i>	Lactate dehydrogenase C	11	68.058	0.002
<i>GRM7</i>	Glutamate metabotropic receptor 7	3	45.954	0.0003
<i>KCNK17</i>	Potassium two pore domain channel subfamily K member 17	6	39.714	0.000001
<i>AC006518.7</i>		12	31.719	0.0001
<i>CPB1</i>	Carboxypeptidase B1	3	30.211	0.006
<i>ANKRD20A2</i>	Ankyrin repeat domain 20 family member A2	9	24.188	0.008
<i>ARHGEF33</i>	Rho guanine nucleotide exchange factor 33	2	23.622	0.002
<i>SLC6A13</i>	Solute carrier family 6 member 13	12	22.754	0.003
<i>SNAP91</i>	Synaptosome associated protein 91	6	22.681	0.001
<i>UPB1</i>	Beta-ureidopropionase 1	22	18.595	0.002
<i>IGF2BP1</i>	Insulin like growth factor 2 mRNA binding protein 1	17	16.671	0.007
<i>TERB1</i>	Telomere repeat binding bouquet formation protein 1	16	15.859	0.008
<i>USP17L15</i>	Ubiquitin specific peptidase 17 like family member 15	4	15.168	0.0005
<i>ITGA2B</i>	Integrin subunit alpha 2b	17	14.579	0.007
<i>ARC</i>	Activity regulated cytoskeleton associated protein	8	13.681	0.002
<i>KCNK3</i>	Potassium two pore domain channel subfamily K member 3	2	13.672	0.003
<i>PLA2G2A</i>	Phospholipase A2 group IIA	1	12.866	0.00004
<i>HECW1</i>	HECT, C2, and WW domain containing E3 ubiquitin protein ligase 1	7	12.814	0.004
<i>NR2E3</i>	Nuclear receptor subfamily 2 group E member 3	15	12.549	0.002
<i>JPH1</i>	Junctophilin 1	8	11.863	0.008
<i>MAP7D2</i>	MAP7 domain containing 2	X	11.303	0.003
<i>SRPX2</i>	Sushi repeat containing protein X-linked 2	X	9.927	0.008
<i>SCHIP1</i>	Schwannomin interacting protein 1	3	9.763	0.004
<i>ZSCAN10</i>	Zinc finger and SCAN domain containing 10	16	9.056	0.008
<i>IGSF10</i>	Immunoglobulin superfamily member 10	3	8.794	0.000
<i>NGFR</i>	Nerve growth factor receptor	17	8.209	0.002
<i>AC091167.7</i>	Novel protein	15	7.569	0.000
<i>AC005837.2</i>	Novel protein	17	7.319	0.010
<i>THBS2</i>	Thrombospondin 2	6	7.165	0.000
<i>MYOZ3</i>	Myozenin 3	5	7.044	0.008
<i>MYOCD</i>	Myocardin	17	6.920	0.001
<i>CXCL12</i>	C-X-C motif chemokine ligand 12	10	6.866	0.007
<i>SOBP</i>	Sine oculis-binding protein homolog	6	6.130	0.001
<i>FAM227A</i>	Family with sequence similarity 227 member A	22	5.863	0.00005
<i>CHRNA7</i>	Cholinergic receptor nicotinic alpha 7 subunit	15	5.594	0.001
<i>CCDC40</i>	Coiled-coil domain containing 40	17	5.507	0.008
<i>PRSS21</i>	Serine protease 21	16	5.494	0.000
<i>CDH13</i>	Cadherin 13	16	5.154	0.001
<i>ANKRD20A1</i>	Ankyrin repeat domain 20 family member A1	9	5.079	0.007
<i>TLE2</i>	TLE family member 2, transcriptional corepressor	19	4.965	0.006
<i>PAK3</i>	p21 (RAC1)-activated kinase 3	X	4.872	0.009

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Supplementary Table SII Continued

Gene name	Gene description	Chromosome #	Fold change	P-value
<i>NKAPL</i>	NFKB activating protein like	6	4.849	0.009
<i>MYCBPAP</i>	MYCBP-associated protein	17	4.709	0.004
<i>CTRC</i>	Chymotrypsin C	1	4.568	0.009
<i>GNAL</i>	G protein subunit alpha L	18	4.011	0.002
<i>C5</i>	Complement C5	9	3.968	0.0003
<i>ALDH1L2</i>	Aldehyde dehydrogenase I family member L2	12	3.953	0.005
<i>TF</i>	Transferrin	3	3.942	0.002
<i>ITGB4</i>	Integrin subunit beta 4	17	3.816	0.002
<i>MYO7A</i>	Myosin VIIA	11	3.692	0.004
<i>PLEKHH3</i>	Pleckstrin homology, MyTH4, and FERM domain containing H3	17	3.631	0.010
<i>FAXDC2</i>	Fatty acid hydroxylase domain containing 2	5	3.568	0.001
<i>MAGI2</i>	Membrane-associated guanylate kinase, WW and PDZ domain containing 2	7	3.536	0.009
<i>RND3</i>	Rho family GTPase 3	2	3.329	0.008
<i>HIST1H2BB</i>	Histone cluster 1 H2B family member b	6	3.287	0.002
<i>HIST1H3F</i>	Histone cluster 1 H3 family member f	6	3.047	0.009
<i>ZC2HC1A</i>	Zinc finger C2HC-type containing 1A	8	2.870	0.006
<i>EPHB3</i>	EPH receptor B3	3	2.779	0.008
<i>PRSS57</i>	Serine protease 57	19	2.700	0.003
<i>HIST2H3C</i>	Histone cluster 2 H3 family member c	1	2.684	0.002
<i>KIF16B</i>	Kinesin family member 16B	20	2.656	0.001
<i>MAGI3</i>	Membrane-associated guanylate kinase, WW, and PDZ domain containing 3	1	2.485	0.002
<i>PRDM8</i>	PR/SET domain 8	4	2.427	0.002
<i>NRIP3</i>	Nuclear receptor interacting protein 3	11	2.359	0.009
<i>NXN</i>	Nucleoredoxin	17	2.226	0.003
<i>TRIM58</i>	Tripartite motif containing 58	1	2.173	0.008
<i>ATF3</i>	Activating transcription factor 3	1	2.022	0.008
<i>AL136295.1</i>	Novel protein	14	1.952	0.000
<i>CCDC150</i>	Coiled-coil domain containing 150	2	1.947	0.001
<i>IFI27L1</i>	Interferon alpha inducible protein 27 like 1	14	1.916	0.004
<i>MT-ND1</i>	Mitochondrially encoded NADH: ubiquinone oxidoreductase core subunit 1	MT	1.735	0.002
<i>AC040162.1</i>	Novel transcript	16	1.687	0.002
<i>ZNF850</i>	Zinc finger protein 850	19	1.671	0.003
<i>ERCC2</i>	ERCC excision repair 2, TFIIH core complex helicase subunit	19	1.641	0.002
<i>FAM72D</i>	Family with sequence similarity 72 member D	1	1.602	0.009
<i>SGO1</i>	Shugoshin 1	3	1.553	0.007
<i>CAST</i>	Calpastatin	5	1.549	0.003
<i>ARHGAP19</i>	Rho GTPase activating protein 19	10	1.548	0.010
<i>ZNF432</i>	Zinc finger protein 432	19	1.531	0.002
<i>ZNF417</i>	Zinc finger protein 417	19	1.468	0.010
<i>LRIG2</i>	Leucine rich repeats and immunoglobulin like domains 2	1	0.667	0.010
<i>RNASET2</i>	Ribonuclease T2	6	0.664	0.008
<i>ZNF527</i>	Zinc finger protein 527	19	0.618	0.005
<i>ZNF714</i>	Zinc finger protein 714	19	0.588	0.001
<i>ZNF782</i>	Zinc finger protein 782	9	0.576	0.007
<i>LDLRAP1</i>	Low-density lipoprotein receptor adaptor protein 1	1	0.503	0.0003
<i>CAPS</i>	Calcyphosine	19	0.490	0.007

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Supplementary Table SII Continued

Gene name	Gene description	Chromosome #	Fold change	P-value
<i>ITGAV</i>	Integrin subunit alpha V	2	0.482	0.002
<i>FCHO2</i>	FCH domain only 2	5	0.449	0.003
<i>IFITM3</i>	Interferon-induced transmembrane protein 3	11	0.431	0.0001
<i>HIVEP2</i>	Human immunodeficiency virus type I enhancer binding protein 2	6	0.419	0.001
<i>ZFP90</i>	ZFP90 zinc finger protein	16	0.408	0.001
<i>FBP1</i>	Fructose-bisphosphatase 1	9	0.400	0.007
<i>CD274</i>	CD274 molecule	9	0.386	0.007
<i>LDHD</i>	Lactate dehydrogenase D	16	0.358	0.002
<i>TRPM2</i>	Transient receptor potential cation channel subfamily M member 2	21	0.351	0.004
<i>DOCK7</i>	Dedicator of cytokinesis 7	1	0.341	0.001
<i>SEMA5B</i>	Semaphorin 5B	3	0.335	0.003
<i>CDA</i>	Cytidine deaminase	1	0.323	0.001
<i>SMAD9</i>	SMAD family member 9	13	0.319	0.003
<i>DNAJC18</i>	DnaJ heat shock protein family (Hsp40) member C18	5	0.313	0.007
<i>HLA-DPB1</i>	Major histocompatibility complex, class II, DP beta 1	6	0.308	0.007
<i>SIK1</i>	Salt inducible kinase 1	21	0.288	0.002
<i>CD24</i>	CD24 molecule	6	0.273	0.004
<i>GABRP</i>	Gamma-aminobutyric acid type A receptor pi subunit	5	0.265	0.006
<i>MT1E</i>	Metallothionein 1E	16	0.247	0.007
<i>LIPT2</i>	Lipoyl(octanoyl) transferase 2	11	0.229	0.002
<i>BRINP1</i>	BMP/retinoic acid inducible neural specific 1	9	0.228	0.003
<i>C2orf88</i>	Chromosome 2 open reading frame 88	2	0.223	0.006
<i>LIFR</i>	LIF receptor alpha	5	0.206	0.006
<i>TMEM184A</i>	Transmembrane protein 184A	7	0.169	0.009
<i>RAMACL</i>	RNA guanine-7 methyltransferase activating subunit like (pseudogene)	6	0.160	0.003
<i>SMIM5</i>	Small integral membrane protein 5	17	0.159	0.001
<i>PHYHIPL</i>	Phytanoyl-CoA 2-hydroxylase interacting protein like	10	0.145	0.005
<i>UPK1B</i>	Uroplakin 1B	3	0.131	0.001
<i>IL20RA</i>	Interleukin 20 receptor subunit alpha	6	0.114	0.008
<i>KRT8</i>	Keratin 8	12	0.104	0.002
<i>MYH14</i>	Myosin heavy chain 14	19	0.093	0.008
<i>MARC1</i>	Mitochondrial amidoxime reducing component 1	1	0.089	0.002
<i>SYT5</i>	Synaptotagmin 5	19	0.082	0.002
<i>LGR5</i>	Leucine rich repeat containing G protein-coupled receptor 5	12	0.078	0.010
<i>ALDH3B2</i>	Aldehyde dehydrogenase 3 family member B2	11	0.074	0.010
<i>NTN4</i>	Netrin 4	12	0.074	0.009
<i>CWH43</i>	Cell wall biogenesis 43 C-terminal homolog	4	0.067	0.002
<i>FAM110C</i>	Family with sequence similarity 110 member C	2	0.066	0.001
<i>CST1</i>	Cystatin SN	20	0.059	0.006
<i>BICDL2</i>	BICD family like cargo adaptor 2	16	0.042	0.007
<i>SCGB1D2</i>	Secretoglobin family 1D member 2	11	0.033	0.008
<i>KRT80</i>	Keratin 80	12	0.033	0.008
<i>ATP6V1G2-DDX39B</i>	ATP6V1G2-DDX39B readthrough (NMD candidate)	6	0.032	0.004
<i>VTCN1</i>	V-set domain containing T-cell activation inhibitor 1	1	0.024	0.0002
<i>AC008763.3</i>	Novel protein	19	0.003	0.009

Upregulation of 80 (fold change >1.0) and downregulation of 53 (fold change <0.1) protein-coding genes in stimulated prepregnancy uNK cells, $P < 0.01$.