

**Table S3:** Significantly differentially expressed genes between unstimulated (culture media) and untreated controls (interleukin (IL)-1 $\beta$ -stimulated pellets) after 48 h.

Probe Set ID	Gene Symbol	Gene Description	Log2 FC (unstimulated controls compared to untreated controls (IL-1 $\beta$ stimulated))	Adjusted p-value
15024154	ANGPTL7	angiopoietin-like 7	4.70	4.58E-13
15029648	F13A1	coagulation factor XIII, A1 polypeptide	4.18	2.41E-11
15004827	POSTN	periostin, osteoblast specific factor	3.32	4.81E-06
15101410	NELL2	NEL-like 2 (chicken)	3.21	1.84E-10
15076168	LOC100063831	NKG2D ligand 1-like	2.87	0.000176
15077718	LOC100052612	adseverin-like	2.85	1.48E-07
15014926	LOC100070985	phospholipase A1 member A-like	2.84	5.29E-09
14998606	MME	membrane metallo-endopeptidase	2.79	5.33E-08
15081535	PDK4	pyruvate dehydrogenase kinase, isozyme 4	2.63	2.50E-05
15087664	SLC16A4	solute carrier family 16, member 4 (monocarboxylic acid tran	2.58	1.65E-07
15101596	COL2A1	collagen, type II, alpha 1	2.53	6.98E-05
15010499	ZNF385B	zinc finger protein 385B	2.49	2.20E-07
14965576	LOC100630218	retina-specific copper amine oxidase-like	2.38	7.91E-09
15055175	LOC100063599	uncharacterized protein C21orf62-like	2.34	4.37E-08
15132912	CAPN6	calpain 6	2.33	0.000552
15017359	FABP3	fatty acid binding protein 3, muscle and heart (mammary-deri	2.25	3.09E-06
14984135	GCNT4	glucosaminyl (N-acetyl) transferase 4, core 2	2.19	0.000302
15032357	LOC100057208	collagen alpha-1(IX) chain-like	2.17	1.05E-08
15124355	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b	2.16	2.64E-05
15048016	SPI2	alpha-1-antitrypsin	2.15	0.000409
15132343	---	---	2.10	1.71E-08
14957581	MOXD1	monooxygenase, DBH-like 1	1.97	0.000157
14983481	LOC100629522	neuronal protein 3.1-like	1.97	7.19E-08
15109872	LOC100062824	FXD domain-containing ion transport regulator 6-like	1.97	1.50E-05
15065448	LOC100055505	c-type lectin domain family 3 member A-like	1.94	0.048277
15131515	SLC9A7	solute carrier family 9, subfamily A (NHE7, cation proton anti	1.88	9.16E-07
14955540	LOC100063245	cationic amino acid transporter 3-like	1.86	6.60E-05
15005285	LECT1	leukocyte cell derived chemotaxin 1	1.86	0.002065
15088442	MCOLN2	mucolin 2	1.85	6.46E-09
15002796	FRY	furry homolog (Drosophila)	1.83	2.64E-05
15048020	SPI2	alpha-1-antitrypsin	1.82	0.016596
15011413	TIPARP	TCDD-inducible poly(ADP-ribose) polymerase	1.78	1.47E-06
15002551	LOC100050428	gamma-sarcoglycan-like	1.78	0.000578
14966312	CHAD	chondroadherin	1.76	0.006395
15120764	MMP16	matrix metalloproteinase 16 (membrane-inserted)	1.73	3.18E-08
14950221	MIA	melanoma inhibitory activity	1.71	0.038069
15031054	COL11A2	collagen, type XI, alpha 2	1.71	5.19E-05
15025249	TLL1	tolloid-like 1	1.70	0.000118
15060207	LOC100051709	epiphygan-like	1.68	0.001446
15130699	NLGN4X	neuroligin 4, X-linked	1.68	0.000684
15088822	LOC100069195	UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose transp	1.67	6.13E-07
15130082	FHL1	four and a half LIM domains 1	1.67	0.000229
15087070	ITGA10	integrin, alpha 10	1.66	2.06E-06
15094688	LOC100064788	EF-hand domain-containing protein D1-like	1.64	0.008017
14983889	HAPLN1	hyaluronan and proteoglycan link protein 1	1.62	0.000881
15131238	---	---	1.61	8.11E-06
15123161	CRISPLD1	cysteine-rich secretory protein LCCL domain containing 1	1.61	0.017465
15089905	GLT25D2	glycosyltransferase 25 domain containing 2	1.57	0.00021
14997696	ZNF385D	zinc finger protein 385D	1.55	6.35E-06
15087730	SORT1	sortilin 1	1.55	2.09E-06
15026446	SGMS2	sphingomyelin synthase 2	1.55	0.000123
15060014	---	---	1.55	0.000824

15056268	PDGFRL	platelet-derived growth factor receptor-like	1.54	3.58E-05
14948020	---	---	1.53	0.015604
15128808	LOC100071749	lysophosphatidic acid receptor 4-like	1.53	0.000409
15112692	LOC100055858	lymphatic vessel endothelial hyaluronic acid receptor 1-like	1.53	0.007997
15083077	LOC100066648	UPF0606 protein KIAA1549-like	1.52	5.56E-06
15025502	LOC100069704	lecithin retinol acyltransferase-like	1.52	0.01079
15034068	ANKH	ankylosis, progressive homolog (mouse)	1.51	1.44E-08
15037507	ACSS2	acyl-CoA synthetase short-chain family member 2	1.50	8.61E-07
15045318	LOC100051632	proto-oncogene c-Fos-like	1.47	0.003365
15099719	B4GALNT3	beta-1,4-N-acetyl-galactosaminyl transferase 3	1.46	1.82E-08
15032433	LOC100062102	cytochrome P450 4F6-like	1.46	0.014499
15060007	LOC100050683	protein lin-7 homolog A-like	1.45	1.10E-06
14944988	ACAN	aggrecan	1.45	0.004344
14952388	---	---	1.44	0.00446
15033824	C1QTNF3	C1q and tumor necrosis factor related protein 3	1.43	0.000176
15068271	LOC100070406	probable serine protease HTRA3-like	1.41	0.000579
15100707	LOC100064029	ras-related and estrogen-regulated growth inhibitor-like	1.40	0.041394
15065525	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	1.40	0.000961
14988094	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosar	1.40	3.58E-05
14943625	KCNMA1	potassium large conductance calcium-activated channel, subf	1.39	0.000617
15101248	CPNE8	copine VIII	1.39	0.006591
15068089	LOC100056091	heparan sulfate glucosamine 3-O-sulfotransferase 1-like	1.37	5.19E-05
15020022	---	---	1.36	0.002051
15129618	DOCK11	dedicator of cytokinesis 11	1.36	3.25E-07
15011841	LOC100058694	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferas	1.35	0.00018
15101460	SLC38A1	solute carrier family 38, member 1	1.34	0.001241
14942529	PLCE1	phospholipase C, epsilon 1	1.34	1.65E-05
15062229	NEBL	nebulette	1.34	2.96E-05
15113149	LGR4	leucine-rich repeat containing G protein-coupled receptor 4	1.34	5.56E-06
15109741	CADM1	cell adhesion molecule 1	1.33	7.02E-07
15057330	MTUS1	microtubule associated tumor suppressor 1	1.33	1.62E-09
15058996	LOC100069841	galectin-1-like	1.33	0.016945
15020024	MFAP3L	microfibrillar-associated protein 3-like	1.33	0.027152
14947911	LOC100059072	protein NDRG2-like	1.32	5.37E-05
14961882	LOC100630810	protein EVI2A-like	1.32	0.001377
15078554	LOC100071386	uncharacterized protein C7orf58-like	1.31	0.003112
15121168	LOC100052149	myb-related protein A-like	1.31	0.006717
15100712	EPS8	epidermal growth factor receptor pathway substrate 8	1.31	0.000651
15070860	LOC100059394	annexin A3-like	1.30	0.001241
15001201	LOC100054279	CTD small phosphatase-like protein-like	1.30	0.000312
15072360	LOC100069932	cytokine-like protein 1-like	1.29	4.88E-05
15029938	MBOAT1	membrane bound O-acyltransferase domain containing 1	1.29	0.002918
15029485	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, membe	1.29	0.003173
15042703	MIR24-2	microRNA mir-24-2	1.29	0.016366
15056706	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1	1.29	0.000531
14988421	LOC100051931	fibulin-7-like	1.28	0.001875
15134820	---	---	1.27	0.014725
15025369	FNIP2	folliculin interacting protein 2	1.26	5.33E-08
15067748	TLR1	toll-like receptor 1	1.25	0.018635
15086341	THBS3	thrombospondin 3	1.23	0.000121
14936354	SYNM	synemin, intermediate filament protein	1.23	1.82E-08
15121868	MATN2	matrilin 2	1.22	0.042942
14978242	---	---	1.22	0.000128
15103108	LRIG3	leucine-rich repeats and immunoglobulin-like domains 3	1.21	0.00032
15134766	---	---	1.21	0.001241
15029596	SLC22A23	solute carrier family 22, member 23	1.21	0.001189
14968944	PMP22	peripheral myelin protein 22	1.20	0.00452
15088956	FMOD	fibromodulin	1.20	9.44E-05
14997534	OSBPL10	oxysterol binding protein-like 10	1.20	0.000409
15055305	ERG	v-ets erythroblastosis virus E26 oncogene homolog (avian)	1.20	0.00017
15105167	GRAMD1B	GRAM domain containing 1B	1.19	0.000997
15033420	HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)	1.18	0.000128
15080042	LOC100065774	insulin-induced gene 1 protein-like	1.18	0.000174

15076439	GPR126	G protein-coupled receptor 126	1.18	0.000118
14942165	LOC100060384	sideroflexin-3-like	1.17	0.000527
15086701	S100A10	S100 calcium binding protein A10	1.16	0.003187
15040296	LOC100070046	protein-glutamine gamma-glutamyltransferase 2-like	1.16	0.002255
15123755	RUNX1T1	runt-related transcription factor 1; translocated to, 1 (cyclin D1)	1.16	0.001241
15087870	LOC100049922	collagen alpha-1(XI) chain-like	1.16	2.73E-05
15043047	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2	1.15	0.030401
15095563	LOC100059512	CD9 antigen-like	1.15	0.00013
15016660	COL9A2	collagen, type IX, alpha 2	1.15	0.000577
15056348	SORBS2	sorbin and SH3 domain containing 2	1.14	0.002085
14936844	CSPG4	chondroitin sulfate proteoglycan 4	1.13	0.005221
15124214	SYBU	syntabulin (syntaxin-interacting)	1.13	0.000857
15107590	PPFIBP2	PTPRF interacting protein, binding protein 2 (liprin beta 2)	1.13	0.002051
14951600	LOC100062591	myeloid-associated differentiation marker-like	1.12	0.003421
15076160	LOC100063776	uncharacterized LOC100063776	1.11	0.037043
15066229	UNC5C	unc-5 homolog C (C. elegans)	1.11	0.020339
15042705	MIR27B	microRNA mir-27b	1.10	0.000384
15109786	LOC100062583	apolipoprotein A-I-like	1.10	0.005269
14952379	NT5E	5'-nucleotidase, ecto (CD73)	1.10	0.014529
15082993	LOC100064880	pleiotrophin-like	1.10	0.019624
15041774	DOCK8	dedicator of cytokinesis 8	1.10	0.000785
15042707	MIR23B	microRNA mir-23b	1.10	0.00688
15003944	ITGBL1	integrin, beta-like 1 (with EGF-like repeat domains)	1.10	0.00392
15094718	ECA.9094	---	1.09	0.000316
15109637	LOC100061921	alpha-crystallin B chain-like	1.09	0.002065
15129254	LOC100054959	nik-related protein kinase-like	1.09	0.001084
15106952	CHRD12	chordin-like 2	1.09	0.001755
15087098	ANKRD35	ankyrin repeat domain 35	1.09	0.003441
15007745	GULP1	GULP, engulfment adaptor PTB domain containing 1	1.08	0.004162
15067694	UGDH	UDP-glucose 6-dehydrogenase	1.08	0.000183
15032998	CILP2	cartilage intermediate layer protein 2	1.08	0.021571
14945271	MTMR10	myotubularin related protein 10	1.08	1.65E-05
14953260	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	1.08	0.000552
15014360	LEPREL1	leprecan-like 1	1.08	0.018635
15021265	LOC100066893	long-chain specific acyl-CoA dehydrogenase, mitochondrial-like	1.08	0.000407
14945363	ATP10A	ATPase, class V, type 10A	1.07	8.14E-05
14978240	GPBR	G protein-coupled estrogen receptor 1	1.07	0.041042
15081436	SAMD9	sterile alpha motif domain containing 9	1.06	0.016262
15021113	LOC100072829	elongation of very long chain fatty acids protein 6-like	1.06	0.031119
14985920	LOC100072674	transforming growth factor-beta-induced protein ig-h3-like	1.06	0.009179
14937952	LOC100069087	protogenin-like	1.05	0.000306
14942909	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	1.05	0.005598
15124687	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	1.05	0.008914
15045332	LOC100058017	feline leukemia virus subgroup C receptor-related protein 2-like	1.05	0.011163
15029199	LRRC1	leucine rich repeat containing 1	1.04	0.000251
14974218	DHCR7	7-dehydrocholesterol reductase	1.03	5.84E-05
15081344	LOC100050921	lanosterol 14-alpha demethylase-like	1.02	0.000158
14982786	LOC100072589	GDNF family receptor alpha-3-like	1.02	0.004344
15015733	DHCR24	24-dehydrocholesterol reductase	1.02	0.014896
15044134	PTPDC1	protein tyrosine phosphatase domain containing 1	1.02	0.015224
14974621	LOC100062881	brain-specific angiogenesis inhibitor 1-associated protein 2-like	1.02	0.028914
14988856	LOXL3	lysyl oxidase-like 3	1.02	0.000855
15088208	TGFB3	transforming growth factor, beta receptor III	1.00	0.000345
15132674	LOC100060746	armadillo repeat-containing X-linked protein 2-like	1.00	0.000689
14936200	MFGE8	milk fat globule-EGF factor 8 protein	1.00	0.001102
15071093	CXCL6	chemokine (C-X-C motif) ligand 6	-7.25	1.10E-17
15109357	MMP1	matrix metalloproteinase 1 (interstitial collagenase)	-7.00	8.41E-18
15094462	LOC100629808	c-C motif chemokine 20-like	-5.34	1.48E-16
14946865	NMES1	normal mucosa of esophagus-specific gene 1 protein	-5.07	7.13E-14
15108043	SAA // LOC1000567	serum amyloid A1 // serum amyloid A protein-like // serum amyloid A	-5.01	1.56E-12
15109386	MMP13	matrix metalloproteinase 13 (collagenase 3)	-4.69	2.47E-11
15109367	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	-4.51	8.48E-10
15071082	ECA.13530	---	-4.37	1.58E-08

15113003	SAA	serum amyloid A1	-4.22	1.20E-17
15108047	SAA1	serum amyloid A1	-4.02	2.60E-17
15112997	SAA1	serum amyloid A1	-4.01	1.39E-14
14966729	LOC100071384	carbonic anhydrase 4-like	-3.95	1.71E-06
14967223	INOS	inducible nitric oxide synthase	-3.83	4.09E-08
15011434	PTX3	pentraxin 3, long	-3.81	1.52E-10
15018127	SPLA2	secretory phospholipase A2	-3.73	4.06E-06
15112999	SAA1	serum amyloid A1	-3.68	9.11E-15
15134370	---	---	-3.43	1.69E-15
15071075	CXCL1	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulat	-3.28	2.20E-06
15077930	IL6	interleukin 6 (interferon, beta 2)	-3.19	0.00033
15027736	CFB	complement factor B	-3.13	0.000159
15038136	LOC100056125	elafin-like	-2.83	0.000394
14991538	IL-1RII	interleukin-1 receptor type II	-2.63	3.02E-06
15098538	IGFBP-5	insulin-like growth factor binding protein-5	-2.58	0.000229
14943027	ANK3	ankyrin 3, node of Ranvier (ankyrin G)	-2.45	0.000409
15071098	IL8	interleukin 8	-2.36	0.015224
15054932	ADAMT5	ADAM metalloproteinase with thrombospondin type 1 motif, 5	-2.32	1.22E-08
15124168	ANGPT1	angiopoietin 1	-2.28	0.000268
15109378	LOC100069047	macrophage metalloelastase-like	-2.25	0.006395
15113767	LOC100629131	leukemia inhibitory factor-like	-2.24	0.000961
15104093	BIRC3	baculoviral IAP repeat containing 3	-2.17	0.001215
14986309	---	---	-2.16	2.43E-07
15092613	VCAM	vascular cell adhesion molecule	-2.14	0.00134
14953386	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	-2.11	1.53E-07
15128105	LOC100146482	ferritin heavy chain-like	-2.04	2.83E-06
14966992	CCL2	chemokine (C-C motif) ligand 2	-2.04	8.81E-09
15022470	LOC100069173	ribonuclease ZC3H12A-like	-2.03	5.33E-08
14990082	LOC100070088	cytochrome P450 1B1-like	-1.98	7.02E-09
15077811	ITGB8	integrin, beta 8	-1.94	0.001161
14995550	LOC100056410	calcium-dependent secretion activator 1-like	-1.94	8.07E-05
15003404	ENOX1	ecto-NOX disulfide-thiol exchanger 1	-1.93	5.66E-10
15057122	NRG1	neuregulin 1	-1.92	0.001357
15020907	LOC100072294	TNFAIP3-interacting protein 3-like	-1.83	2.14E-05
15075712	SOD2	superoxide dismutase 2, mitochondrial	-1.80	9.07E-10
14973391	---	---	-1.80	0.014697
15012507	TFRC	transferrin receptor (p90, CD71)	-1.79	3.85E-07
15052916	PTGES	prostaglandin E synthase	-1.78	3.75E-05
14937648	CA12	carbonic anhydrase XII	-1.76	0.028355
15006746	TSG-6	tumor necrosis factor alpha-induced protein 6	-1.76	2.67E-05
15100843	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	-1.75	0.00788
15095888	A2ML1	alpha-2-macroglobulin-like 1	-1.75	0.00134
14934217	UBE2D1	ubiquitin-conjugating enzyme E2D 1	-1.73	1.07E-08
15098024	SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid tran	-1.72	0.021348
14941712	ADRA2A	adrenoceptor alpha 2A	-1.71	6.79E-06
14932983	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	-1.70	5.25E-08
15088003	DPYD	dihydropyrimidine dehydrogenase	-1.70	1.71E-06
15056255	LOC100050240	low affinity cationic amino acid transporter 2-like	-1.66	2.87E-09
15022310	MFSD2A	major facilitator superfamily domain containing 2A	-1.65	1.63E-06
15076505	---	---	-1.64	0.000158
15089848	LOC100051514	regulator of G-protein signaling 16-like	-1.62	0.000123
15035773	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporte	-1.61	4.61E-09
15121005	MSC	musculin	-1.59	1.41E-05
15108234	LOC100057503	growth arrest-specific protein 2-like	-1.56	3.01E-05
15052198	LOC100051061	tumor necrosis factor ligand superfamily member 8-like	-1.55	0.001011
14969771	---	---	-1.54	6.53E-08
14948692	---	---	-1.53	8.61E-07
15045643	SLC24A4	solute carrier family 24 (sodium/potassium/calcium exchange	-1.51	0.004024
15040476	LOC100070934	syndecan-4-like	-1.50	0.000372
15064092	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72	-1.45	7.19E-08
15091633	ECM1	extracellular matrix protein 1	-1.44	0.004149
15042675	FTH1	ferritin, heavy polypeptide 1	-1.41	9.57E-09
15050171	LOC100069960	paired mesoderm homeobox protein 2-like	-1.39	3.67E-05

15090286	LOC100056475	g0/G1 switch regulatory protein 2-like	-1.37	0.013352
15123176	LOC100060330	peptidase inhibitor 15-like	-1.36	0.019668
15052048	LOC100056842	thymic stromal cotransporter homolog	-1.34	0.001238
14990733	LOC100071618	quinone oxidoreductase PIG3-like	-1.34	0.01695
14973160	FTH1	ferritin, heavy polypeptide 1	-1.34	2.09E-06
15044115	LOC100061893	sphingosine 1-phosphate receptor 3-like	-1.32	0.003173
14952871	LOC100072561	---	-1.29	0.00256
14993281	EPAS1	endothelial PAS domain protein 1	-1.28	0.006938
14981772	SLIT3	slit homolog 3 (Drosophila)	-1.28	0.025473
14957413	---	---	-1.26	0.0089
15009044	ZEB2	zinc finger E-box binding homeobox 2	-1.26	6.29E-05
15093253	PTGFR	prostaglandin F receptor (FP)	-1.23	0.001694
15120926	JPH1	junctophilin 1	-1.22	0.004804
15063666	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	-1.22	0.003062
15108935	LOC100060539	complement C3-like	-1.22	0.025998
15017191	RNF19B	ring finger protein 19B	-1.21	8.76E-10
15024271	PIK3CD	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic sub	-1.20	0.000295
15120932	---	---	-1.20	0.011022
15085328	LOC100056564	laminin subunit beta-3-like	-1.16	0.016482
15112034	LOC100052723	folate receptor beta-like	-1.16	8.28E-05
15031833	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putat	-1.16	0.036248
15054120	KCNJ15	potassium inwardly-rectifying channel, subfamily J, member 1	-1.15	0.000859
15054158	BACE2	beta-site APP-cleaving enzyme 2	-1.14	5.02E-07
15076510	LOC100056814	membrane-associated guanylate kinase, WW and PDZ domain	-1.12	0.002892
15075229	---	---	-1.12	4.88E-05
15114454	TBX3	T-box 3	-1.11	0.000298
15005444	LOC100052476	uncharacterized LOC100052476	-1.11	0.005044
15089727	LOC100055750	retinoic acid receptor responder protein 1-like	-1.10	0.016488
15111156	ICAM1	intercellular adhesion molecule 1	-1.09	0.002291
14980417	LOC100629909	vasorin-like	-1.07	2.50E-05
15010628	LOC100068873	tissue factor pathway inhibitor-like	-1.05	0.025998
15004775	---	---	-1.04	0.003173
15019483	LOC100057232	zinc transporter ZIP14-like	-1.04	0.000165
15101954	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion tra	-1.04	0.011768
15076507	---	---	-1.02	0.01079
15081700	ETV1	ets variant 1	-1.01	0.009348
15075002	---	---	-1.01	2.79E-06
15107741	AMPD3	adenosine monophosphate deaminase 3	-1.01	0.039563