

Supplemental Table 1. Complete list of 272 genes differentially expressed more than 2-fold after nickel exposure

Affymetrix ID	Gene Symbol	Ni vs control	Regulation Ni
8153002	NDRG1	10.28	up
8155083	CA9	10.22	up
7928308	DDIT4	9.59	up
8081288	TMEM45A	9.20	up
7961891	BHLHB3	8.85	up
8135915	HIG2	8.21	up
8086961	PFKFB4	7.97	up
7926037	PFKFB3	7.14	up
8004408	FGF11	5.99	up
8122265	TNFAIP3	5.99	up
8004360	KCTD11	5.89	up
7989365	RORA	5.32	up
8136940	FAM139A	4.76	up
8119898	VEGFA	4.64	up
8113709	LOX	4.63	up
8083494	MME	4.52	up
7909104	PCTK3	4.50	up
8062190	SPAG4	4.15	up
8160297	ADFP	4.13	up
8150186	RNF122	4.11	up
8136954	FAM139B	4.09	up
8065948	FER1L4	4.07	up
7946641	GALNTL4	4.00	up
8064790	RASSF2	3.87	up
8072678	HMOX1	3.85	up
8038261	GYS1	3.84	up
8055465	CXCR4	3.82	up
7900540	FAM80A	3.74	up
8049825	HDLBP	3.73	up
8083223	C3orf58	3.71	up
7953532	ENO2	3.69	up
8097282	SPRY1	3.69	up
7908879	PPFIA4	3.69	up
7920642	MUC1	3.64	up
7995292	SLC6A8	3.63	up
8111932	CCL28	3.61	up
8048489	ANKZF1	3.60	up
7912157	ERRF1	3.60	up
8086517	CDCP1	3.60	up
8128123	RRAGD	3.54	up
8029219	TMEM145	3.51	up
8077441	BHLHB2	3.51	up
8115851	STC2	3.50	up
8149629	GFRA2	3.47	up
7987248	GOLGA8A	3.46	up
8059111	ABCB6	3.40	up
7987279	GOLGA8B	3.37	up
8083594	PTX3	3.32	up
8105191	PARP8	3.30	up
8113981	P4HA2	3.28	up
7973084	ANG	3.27	up
7985587	SCAND2	3.21	up

Affymetrix ID	Gene Symbol	Ni vs control	Regulation Ni
7934278	P4HA1	3.18	up
8112841	HOMER1	3.14	up
7943413	BIRC3	3.14	up
8131067	GPR146	3.13	up
8046408	PDK1	3.13	up
8056837	GPR155	3.10	up
7934997	PPP1R3C	3.06	up
7962183	AK3L1	3.02	up
7937079	BNIP3	3.00	up
8013660	ALDOC	3.00	up
8162940	ABCA1	2.99	up
8129985	PLAGL1	2.96	up
7965423	BTG1	2.96	up
8043283	JMJD1A	2.91	up
8060745	SMOX	2.90	up
8089596	WDR52	2.83	up
8085033	LMLN	2.82	up
8020847	DTNA	2.79	up
8042942	HK2	2.78	up
7964460	DDIT3	2.76	up
8093053	TFRC	2.73	up
8154100	VLDLR	2.72	up
8024170	HMHA1	2.72	up
8083839	GPR160	2.71	up
7956631	FAM119B	2.71	up
8064766	RNF24	2.71	up
8166511	PDK3	2.69	up
8116096	DDX41	2.68	up
7915472	SLC2A1	2.66	up
8044766	INSIG2	2.66	up
7980828	CCDC88C	2.65	up
8053484	ST3GAL5	2.64	up
7905664	SLC27A3	2.64	up
8149825	STC1	2.64	up
8114845	PRELID2	2.64	up
8169263	VSIG1	2.62	up
8047565	ALS2CR13	2.60	up
8075483	PIK3IP1	2.59	up
8166714	LANCL3	2.59	up
7971015	SMAD9	2.59	up
8175016	APLN	2.59	up
7927876	TET1	2.58	up
8166184	CA5B	2.57	up
8127778	FAM46A	2.56	up
8159554	UAP1L1	2.55	up
7972805	RAB20	2.53	up
8018754	CYGB	2.53	up
8005765	WSB1	2.51	up
7952526	CDON	2.51	up
8083063	SLC25A36	2.49	up
8007931	ITGB3	2.49	up
8025402	ANGPTL4	2.48	up
8120992	ZNF292	2.48	up

Affymetrix ID	Gene Symbol	Ni vs control	Regulation Ni
7986687	WHDC1L1	2.48	up
8104568	UNQ1870	2.47	up
8086799	CSPG5	2.47	up
7979179	ERO1L	2.45	up
8088958	GBE1	2.44	up
8089606	WDR52	2.44	up
8171653	MAP3K15	2.42	up
7995362	GPT2	2.42	up
8110158	ARL10	2.40	up
8054054	ANKRD36B	2.40	up
7948229	SLC43A3	2.39	up
8149749	TNFRSF10D	2.37	up
8004331	KCTD11	2.34	up
8120880	TPBG	2.33	up
7938390	ADM	2.31	up
8054064	ANKRD36B	2.30	up
8078529	STAC	2.30	up
8175023	ZDHHC9	2.30	up
7913858	PAQR7	2.30	up
7931951	SFMBT2	2.30	up
8015868	MPP2	2.28	up
7925250	GNG4	2.27	up
7993807	TMEM159	2.26	up
7978544	EGLN3	2.26	up
8027938	UPK1A	2.25	up
7928395	FUT11	2.25	up
8112592	FOXD1	2.24	up
8037430	ZNF404	2.24	up
8060344	TRIB3	2.23	up
7999614	NPIP	2.22	up
8115210	TNIP1	2.22	up
7962579	AMIGO2	2.21	up
7981514	AHNAK2	2.20	up
8011713	CXCL16	2.20	up
8096385	HERC3	2.20	up
7921099	CRABP2	2.20	up
8088642	LRIG1	2.19	up
8139488	IGFBP3	2.19	up
7989501	CA12	2.19	up
8093258	IQCG	2.19	up
8068022	MIRN155	2.19	up
8113073	ARRDC3	2.19	up
8005475	TRIM16L	2.18	up
8113214	GLRX	2.18	up
8070557	ZNF295	2.18	up
8035177	SLC35E1	2.18	up
8162276	NFIL3	2.17	up
7942674	TSKU	2.17	up
7984922	MPI	2.17	up
8072009	CRYBB2P1	2.17	up
8043697	ANKRD36B FLJ40	2.17	up
7960143	ZNF84	2.16	up
8070819	PTTG1IP	2.16	up

Affymetrix ID	Gene Symbol	Ni vs control	Regulation Ni
7912520	NPPB	2.16	up
7905918	EFNA3	2.16	up
8084232	YEATS2	2.15	up
7938183	ZNF215	2.15	up
7930398	MXI1	2.15	up
7960744	C1R	2.14	up
7985016	SNX33	2.14	up
8168438	UPRT	2.13	up
7956301	LRP1	2.13	up
7984524	PAQR5	2.12	up
8003611	FAM57A	2.12	up
7997839	CDT1	2.11	up
8109120	AFAP1L1	2.11	up
8073007	MAFF	2.10	up
8093104	TM4SF19	2.10	up
8164810	RALGDS	2.10	up
8066431	ADA	2.10	up
7909545	TRAF5	2.10	up
8029580	RELB	2.10	up
7981943	PAR5	2.10	up
7962327	SLC2A13	2.10	up
7964872	PTPRB	2.09	up
7913593	TCEA3	2.09	up
8018793	JMJD6	2.09	up
8172425	SLC38A5	2.08	up
8149986	ZNF395 FBXO16	2.07	up
8065920	FER1L4	2.07	up
8008627	NOG	2.05	up
8013022	C17orf76	2.05	up
8010770	SLC16A3	2.05	up
8098604	ANKRD37	2.05	up
8068024	JAM2	2.05	up
7979663	RAB15	2.05	up
8144378	AGPAT5	2.05	up
7953603	C1S	2.05	up
7930074	NFKB2	2.04	up
8145454	BNIP3L	2.04	up
8107133	PAM	2.04	up
7955142	CACNB3	2.04	up
8074227	CECR5	2.03	up
7993624	SYT17	2.03	up
8160332	MLLT3	2.02	up
8049448	CENTG2	2.02	up
8143270	ZC3HAV1L	2.01	up
7933084	NAMPT	2.01	up
8129953	HIVEP2	2.01	up
7980485	DIO2	6.27	down
8173732	TAF9B	5.35	down
8111941	HMGCS1	4.88	down
7961142	OLR1	4.67	down
8140650	SEMA3E	3.92	down
8124196	DCDC2	3.24	down
8019392	FASN	3.02	down

Affymetrix ID	Gene Symbol	Ni vs control	Regulation Ni
8129458	ARHGAP18	2.83	down
8006433	CCL2	2.81	down
8098195	SC4MOL	2.78	down
8144669	FDFT1	2.77	down
7951662	CRYAB	2.68	down
8025828	LDLR	2.67	down
8106280	HMGCR	2.66	down
8138888	PDE1C	2.60	down
8108697	PCDHB5	2.60	down
8124380	HIST1H1A	2.56	down
8069689	ADAMTS5	2.52	down
8081657	CD200	2.50	down
7916584	TACSTD2	2.48	down
7904843	PDZK1	2.43	down
7931754	IDI1	2.40	down
7906900	DDR2	2.39	down
7954104	ATF7IP	2.37	down
7983650	SLC27A2	2.34	down
7934979	ANKRD1	2.34	down
8102342	ELOVL6	2.32	down
7962559	SLC38A4	2.31	down
8058552	IDH1	2.27	down
8154245	PDCD1LG2	2.27	down
8121734	ASF1A	2.23	down
8174201	BEX1	2.22	down
7947512	DKFZP586H2123	2.21	down
8045835	GALNT5	2.21	down
7915787	PIK3R3	2.20	down
8140686	SEMA3D	2.20	down
8051583	CYP1B1	2.19	down
8128383	COQ3	2.17	down
8135218	LRRC17	2.16	down
7902495	NEXN	2.15	down
7919591	GCUD2	2.15	down
8062041	ACSS2	2.14	down
7979241	BMP4	2.14	down
8023497	ATP8B1	2.14	down
7932584	PRTFDC1	2.13	down
8175052	AIFM1	2.13	down
8111772	DAB2	2.12	down
7916432	DHCR24	2.11	down
8128606	RTN4IP1	2.10	down
8037272	PSG7	2.10	down
8109597	UBLCP1	2.09	down
7961365	MANSC1	2.09	down
7962375	PRICKLE1	2.08	down
7965200	CCDC59	2.08	down
8106193	UTP15	2.07	down
8140668	SEMA3A	2.07	down
8151296	LACTB2	2.07	down
7958565	MVK	2.06	down
8148280	SQLE	2.05	down
7968872	DNAJC15	2.05	down

Affymetrix ID	Gene Symbol	Ni vs control	Regulation Ni
7925480	FH	2.04	down
7905986	FDPS	2.02	down
8067140	CYP24A1	2.02	down
8170590	NSDHL	2.02	down
7914557	SYNC1	2.02	down
8100347	SCFD2	2.01	down
8091411	TM4SF1	2.00	down
8008588	HLF	2.00	down