

Supplemental Table 5 - MWCNT-COOH 500 pg/mL - Differentially Expressed Proteins

Protein ID	Gene Symbol	Protein Name	Fold Change 500pg	Multiple Comparison p	ANOVA p value	Q value
IPI00784154	HSPD1	60 kDa heat shock protein, mitochondrial	-1.1	0.02	0.01	0.14
IPI00470528	RPL15	60S ribosomal protein L15	-1.9	0.001	0.00006	0.02
IPI00219155	RPL27	60S ribosomal protein L27	-1.2	0.00005	0.001	0.009
IPI00909247	ACTR2	Actin-like protein 2	-1.4	0.05	0.01	0.17
IPI00028091	ACTR3	Actin-related protein 3	-1.2	0.01	0.0003	0.10
IPI00641214	ADCY10	Adenylate cyclase type 10, isoform 2	-1.7	0.02	0.008	0.12
IPI00032179	SERPINC1	Antithrombin-III	-1.2	0.01	0.004	0.08
IPI00027178	AP1G2	AP-1 complex subunit gamma-like 2	1.6	0.001	0.001	0.02
IPI00019918	DDX19A	ATP-dependent RNA helicase DDX19A	-1.4	0.0001	0.0006	0.01
IPI00304409	CARHSP1	Calcium-regulated heat stable protein 1	-1.2	0.05	0.01	0.17
IPI00020599	CALR	Calreticulin	-1.2	0.01	0.009	0.10
IPI00216088	CRABP2	Cellular retinoic acid-binding protein 2	-1.2	0.02	0.005	0.11
IPI00012011	CFL1	Cofilin-1	-1.2	0.04	0.003	0.16
IPI00007673	CHCHD2	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial	-1.3	0.01	0.006	0.08
IPI00302944	COL12A1	Collagen alpha-1(XII) chain, isoform 4	-1.6	0.005	0.005	0.06
IPI00021828	CSTB	Cystatin-B	-1.3	0.002	0.001	0.03
IPI00442073	CSRP1	Cysteine and glycine-rich protein 1	-1.4	0.000005	0.000009	0.003
IPI00000155	GLYR1	Cytokine-like nuclear factor n-pac, isoform CRA_a	-1.5	0.002	0.0009	0.04
IPI00921830	DBI	Diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding prot	-1.3	0.0008	0.0001	0.02
IPI00924974	DPP4	Dipeptidyl-peptidase 4	-1.4	0.02	0.003	0.10
IPI00795769	DNAJA2	DnaJ (Hsp40) homolog, subfamily A, member 2	-1.2	0.0006	0.005	0.02
IPI00789999	DCTN2	Dynactin 2 (p50)	-1.5	0.03	0.01	0.15
IPI00888430	DNAH17	Dynein heavy chain 17, axonemal, isoform 1	-1.2	0.0002	0.01	0.01
IPI00301936	ELAVL1	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)	-1.6	0.0006	0.00009	0.02
IPI00940393	EEF1A1	Elongation factor 1-alpha	-1.2	0.02	0.007	0.13
IPI00025447	EEF1A1	Elongation factor 1-alpha	-1.2	0.03	0.009	0.15
IPI00178440	EEF1B2	Elongation factor 1-beta	-1.2	0.007	0.006	0.08
IPI00029631	ERH	Enhancer of rudimentary homolog	-1.2	0.01	0.01	0.10
IPI00465248	ENO1	Enolase, alpha	-1.2	0.003	0.007	0.04
IPI00009328	EIF4A3	Eukaryotic initiation factor 4A-III	-1.3	0.03	0.006	0.16
IPI00010290	FABP1	FABP1 protein (Fragment)	-1.2	0.007	0.002	0.06
IPI00002922	TBL1XR1	F-box-like/WD repeat-containing protein TBL1XR1	-1.7	0.001	0.0002	0.02
IPI00792375	ALDOC	Fructose-bisphosphate aldolase	-1.2	0.002	0.01	0.04
IPI00418262	ALDOC	Fructose-bisphosphate aldolase	-1.2	0.002	0.002	0.04
IPI00465439	ALDOA	Fructose-bisphosphate aldolase A	-1.3	0.003	0.001	0.04
IPI00023673	LGALS3BP	Galectin-3-binding protein	-1.3	0.01	0.007	0.08

IPI00383900	RNASEH1	Gastric cancer-related protein GCYS-20	-1.7	0.0003	0.00002	0.01
IPI00216159	GFPT2	Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 2	2.1	0.00003	0.000004	0.007
IPI00016801	GLUD1	Glutamate dehydrogenase 1, mitochondrial	-1.2	0.01	0.007	0.10
IPI00909080	GPD1	Glycerol-3-phosphate dehydrogenase	1.6	0.006	0.001	0.06
IPI00743931	GORASP2	Golgi reassembly-stacking protein 2	-1.5	0.02	0.009	0.13
IPI00218070	GRB2	Growth factor receptor-bound protein 2, isoform GRB3-3	1.2	0.02	0.01	0.10
IPI00007015	GDF2	Growth/differentiation factor 2	-1.3	0.003	0.007	0.04
IPI00924758	GNB2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2, variant	-1.1	0.01	0.002	0.10
IPI00003348	GNB2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2, variant	-1.1	0.03	0.008	0.15
IPI00935211	HSPE1	Heat shock 10kDa protein 1	-1.2	0.03	0.01	0.15
IPI00218993	HSPH1	Heat shock protein 105 kDa, isoform Beta	-1.2	0.009	0.01	0.08
IPI00922032	HDGF	Hepatoma-derived growth factor	-1.4	0.0004	0.0001	0.01
IPI00963980	HNRNPD	Heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding p	-1.2	0.001	0.002	0.03
IPI00465225	HNRNPL	heterogeneous nuclear ribonucleoprotein L isoform b	-1.2	0.003	0.001	0.04
IPI00027834	HNRNPL	Heterogeneous nuclear ribonucleoprotein L, variant	-1.2	0.0008	0.004	0.02
IPI00412406	HMGXB4	High-mobility group protein 2-like 1	-1.5	0.01	0.01	0.10
IPI00220403	HIST1H2BB	Histone H2B type 1-B	1.3	0.008	0.00003	0.08
IPI00477495	H2BFS	Histone H2B type F-S	1.3	0.009	0.00004	0.08
IPI00009286	MLL	Histone-lysine N-methyltransferase MLL, isoform 1	-1.3	0.0008	0.006	0.02
IPI00792333	IBTK	Inhibitor of Bruton tyrosine kinase, isoform 1	1.4	0.006	0.002	0.06
IPI00010697	ITGA6	Integrin alpha-6, isoform Alpha-6X1X2B	-1.3	0.02	0.009	0.12
IPI00297632	KRT33A	Keratin, type I cuticular Ha3-I	-1.3	0.003	0.001	0.04
IPI00299145	KRT6C	Keratin, type II cytoskeletal 6C	-1.3	0.01	0.002	0.08
IPI00293276	MIF	Macrophage migration inhibitory factor	1.8	0.0005	0.00004	0.02
IPI00927864	MDH2	Malate dehydrogenase	-1.3	0.0004	0.001	0.01
IPI00103397	MUC5AC	Mucin-5AC	-1.1	0.05	0.006	0.19
IPI00796366	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle	-1.1	0.05	0.01	0.18
IPI00413922	MYL6B	Myosin, light chain 6B, alkali, smooth muscle and non-muscle	-1.1	0.04	0.01	0.16
IPI00926178	MTPN	Myotrophin	-1.2	0.03	0.005	0.15
IPI00026167	NHP2L1	NHP2-like protein 1	-1.3	0.02	0.005	0.14
IPI00100197	NSFL1C	NSFL1 cofactor p47, isoform 1	-1.2	0.05	0.006	0.18
IPI00013216	ORC2L	Origin recognition complex subunit 2	-1.2	0.03	0.001	0.15
IPI00024157	FKBP3	Peptidyl-prolyl cis-trans isomerase FKBP3	-1.2	0.006	0.004	0.06
IPI00910950	PGD	Phosphogluconate dehydrogenase	1.4	0.02	0.008	0.11
IPI00169383	PGK1	Phosphoglycerate kinase 1	-1.2	0.0004	0.0002	0.01
IPI00219568	PGK2	Phosphoglycerate kinase 2	-1.3	0.002	0.0008	0.04
IPI00788837	PCBP2	Poly(rC) binding protein 2, variant	-1.2	0.02	0.0009	0.14
IPI00012066	PCBP2	Poly(rC)-binding protein 2, isoform b	-1.1	0.04	0.0007	0.16

IPI00301154	PABPC3	Polyadenylate-binding protein 3	-1.1	0.04	0.002	0.16
IPI00880097	POLR2J	Polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	-1.3	0.02	0.0005	0.13
IPI00246058	PDCD6IP	Programmed cell death 6-interacting protein	-1.2	0.0004	0.0001	0.01
IPI00298547	PARK7	Protein DJ-1	-1.1	0.005	0.006	0.06
IPI00473047	PRKAG1	Protein kinase, AMP-activated, gamma 1 non-catalytic subunit	1.1	0.04	0.01	0.16
IPI00022078	NDRG1	Protein NDRG1	-1.4	0.003	0.0002	0.04
IPI00030355	PPP1R11	Protein phosphatase 1 regulatory subunit 11	-1.3	0.01	0.003	0.10
IPI00060283	SLC38A10	Putative sodium-coupled neutral amino acid transporter 10, isoform 2	-1.4	0.02	0.006	0.11
IPI00550069	RNH1	Ribonuclease inhibitor	-1.2	0.0002	0.0001	0.01
IPI00397676	RPL7A	Ribosomal protein L7a	-1.2	0.02	0.009	0.10
IPI00793137	RPSAP58	Ribosomal protein SA pseudogene 58	-1.2	0.03	0.01	0.15
IPI00797741	RPLP0	Ribosomal protein, large, P0, variant	-1.3	0.003	0.0006	0.04
IPI00215743	RRBP1	Ribosome-binding protein 1, isoform 3	-1.2	0.004	0.0004	0.06
IPI00556485	RPLP0	RPLP0 protein	-1.2	0.009	0.004	0.08
IPI00003377	SRSF7	Serine/arginine-rich splicing factor 7, isoform 1	1.4	0.04	0.004	0.17
IPI00943308	SRSF7	Serine/arginine-rich splicing factor 7, variant	1.5	0.003	0.0008	0.04
IPI00410128	PPP1CA	serine/threonine-protein phosphatase PP1-alpha catalytic subunit isoform 2	-1.2	0.04	0.007	0.16
IPI00027423	PPP1CA	serine/threonine-protein phosphatase PP1-alpha catalytic subunit isoform 3	-1.2	0.05	0.004	0.17
IPI00032134	SERPINB8	Serpin B8	-1.3	0.0004	0.0002	0.01
IPI00925579	SRI	Sorcin	-1.3	0.04	0.01	0.16
IPI00917346	SRSF7	Splicing factor, arginine/serine-rich 7	1.5	0.006	0.0005	0.06
IPI00019407	NSDHL	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	1.5	0.01	0.001	0.08
IPI00023234	UBA2	SUMO-activating enzyme subunit 2	-1.3	0.0004	0.001	0.01
IPI00216298	TXN	Thioredoxin	-1.2	0.01	0.01	0.08
IPI00329633	TARS	Threonyl-tRNA synthetase, cytoplasmic	-1.3	0.03	0.01	0.15
IPI00220827	TMSB10	Thymosin beta-10	-1.3	0.04	0.007	0.16
IPI00644531	TAGLN2	Transgelin-2, variant or isoform	-1.4	0.00008	0.00004	0.009
IPI00550363	TAGLN2	Transgelin-2, variant or isoform	-1.4	0.00008	0.00005	0.009
IPI00465028	TPI1	Triosephosphate isomerase isoform 2	-1.2	0.0004	0.00009	0.01
IPI00550917	TWF2	Twinfilin-2	-1.3	0.001	0.001	0.03
IPI00009913	TDP2	Tyrosyl-DNA phosphodiesterase 2, isoform 1	-1.5	0.05	0.009	0.18
IPI00021759	USP6	Ubiquitin carboxyl-terminal hydrolase 6, isoform 2	-1.3	0.003	0.007	0.04
IPI00472498	UBE2V1	Ubiquitin-conjugating enzyme E2 variant 1, isoform 3	-1.3	0.01	0.004	0.08
IPI00007847	UBE2V1	Ubiquitin-conjugating enzyme E2 variant 1, isoform 4	-1.3	0.04	0.006	0.16
IPI00647442	VDAC2	Voltage-dependent anion channel 2	-1.4	0.04	0.007	0.16