

Supplemental Table 6. MWCNT-COOH 10 ug/mL - Differentially Expressed Proteins

Protein ID	Gene Name	Protein Name	Fold Change 10ug	Multiple Comparison p	ANOVA p value	Q value
IPI00386083	NT5C	5'(3')-deoxyribonucleotidase, cytosolic type, isoform 2	-1.4	0.003	0.01	0.04
IPI00784154	HSPD1	60 kDa heat shock protein, mitochondrial	-1.1	0.02	0.01	0.10
IPI00470528	RPL15	60S ribosomal protein L15	-1.6	0.003	0.00006	0.04
IPI00010153	RPL23	60S ribosomal protein L23	-1.3	0.03	0.01	0.13
IPI00219155	RPL27	60S ribosomal protein L27	-1.4	0.03	0.001	0.13
IPI00028091	ACTR3	Actin-related protein 3	-1.3	0.0003	0.0003	0.02
IPI00215917	ARF3	ADP-ribosylation factor 3	-1.2	0.03	0.01	0.12
IPI00032179	SERPINC1	Antithrombin-III	-1.1	0.02	0.004	0.11
IPI00027178	AP1G2	AP-1 complex subunit gamma-like 2	1.9	0.007	0.001	0.07
IPI00304409	CARHSP1	Calcium-regulated heat stable protein 1	-1.2	0.04	0.01	0.15
IPI00099670	CEL	Carboxyl ester lipase precursor	-1.7	0.0009	0.0009	0.03
IPI00011284	COMT	Catechol O-methyltransferase, isoform Membrane-bound	-1.2	0.01	0.01	0.08
IPI00216088	CRABP2	Cellular retinoic acid-binding protein 2	-1.2	0.03	0.005	0.13
IPI00790808	COPZ1	Coatomer protein complex, subunit zeta 1	-1.3	0.0003	0.0007	0.02
IPI00012011	CFL1	Cofilin-1	-1.2	0.004	0.003	0.04
IPI00442073	CSRP1	Cysteine and glycine-rich protein 1	-1.1	0.01	0.000009	0.08
IPI00384282	EZR	Cytovillin 2 (Fragment)	1.2	0.05	0.01	0.16
IPI00921830	DBI	Diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding p	-1.1	0.04	0.0001	0.15
IPI00296141	DPP7	Dipeptidyl peptidase 2	-1.1	0.01	0.01	0.08
IPI00924974	DPP4	Dipeptidyl-peptidase 4	-1.7	0.02	0.003	0.10
IPI00795769	DNAJA2	DnaJ (Hsp40) homolog, subfamily A, member 2	-1.3	0.04	0.005	0.15
IPI00018798	DNAJC17	DnaJ homolog subfamily C member 17	-1.3	0.002	0.0005	0.04
IPI00003084	DRAP1	Dr1-associated corepressor, isoform 1	-1.3	0.004	0.01	0.04
IPI00033022	DNM2	Dynamin-2, isoform 1	-1.2	0.0009	0.009	0.03
IPI00940393	EEF1A1	Elongation factor 1-alpha	-1.2	0.02	0.007	0.10
IPI00025447	EEF1A1	Elongation factor 1-alpha	-1.2	0.03	0.009	0.12
IPI00178440	EEF1B2	Elongation factor 1-beta	-1.2	0.03	0.006	0.12
IPI00029631	ERH	Enhancer of rudimentary homolog	-1.3	0.04	0.01	0.15
IPI00009328	EIF4A3	Eukaryotic initiation factor 4A-III	-1.2	0.01	0.006	0.08
IPI00016910	EIF3C;EIF3CL	Eukaryotic translation initiation factor 3 subunit C	-1.2	0.02	0.009	0.11
IPI00033143	EIF3K	Eukaryotic translation initiation factor 3 subunit K	-1.3	0.02	0.008	0.10
IPI00654777	EIF3F	Eukaryotic translation initiation factor 3, subunit F	-1.4	0.0003	0.0006	0.02
IPI00855924	EIF5A1;EIF5A	Eukaryotic translation initiation factor 5A-1-like	-1.2	0.004	0.006	0.04
IPI00010290	FABP1	FABP1 protein (Fragment)	-1.1	0.007	0.002	0.06

IPI0002922	TBL1XR1	F-box-like/WD repeat-containing protein TBL1XR1	-1.4	0.005	0.0002	0.06
IPI00940093	FLNB	Filamin-B, isoform 7	-1.2	0.01	0.01	0.08
IPI00418262	ALDOC	Fructose-bisphosphate aldolase	-1.1	0.02	0.002	0.11
IPI00383900	RNASEH1	Gastric cancer-related protein GCYS-20	-2.1	0.001	0.00002	0.03
IPI00216159	GFPT2	Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 2	1.7	0.002	0.000004	0.04
IPI00027146	GLUD2	Glutamate dehydrogenase 2, mitochondrial	-1.2	0.008	0.008	0.07
IPI00909080	GPD1	Glycerol-3-phosphate dehydrogenase	1.4	0.006	0.001	0.06
IPI00556561	RHEBL1	GTPase RhebL1, isoform 2	-1.3	0.003	0.006	0.04
IPI00924758	GNB2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2, variant	-1.2	0.003	0.002	0.04
IPI00003348	GNB2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2, variant	-1.2	0.01	0.008	0.08
IPI00106509	HNRNPAB	Heterogeneous nuclear ribonucleoprotein A/B, isoform 4	-1.2	0.02	0.005	0.11
IPI00963980	HNRNPD	Heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding	-1.1	0.05	0.002	0.20
IPI00465225	HNRNPL	heterogeneous nuclear ribonucleoprotein L isoform b	-1.2	0.02	0.001	0.10
IPI00027834	HNRNPL	Heterogeneous nuclear ribonucleoprotein L, variant	-1.1	0.04	0.004	0.15
IPI00412406	HMGXB4	High-mobility group protein 2-like 1	-1.4	0.04	0.01	0.15
IPI00216456	HIST1H2AC	Histone H2A type 1-C	1.5	0.004	0.0004	0.04
IPI00216457	HIST2H2AA4	Histone H2A type 2-A	1.6	0.008	0.0002	0.07
IPI00220855	H2AFJ	Histone H2A.J, isoform 1	1.8	0.005	0.00003	0.06
IPI00018278	H2AFV	Histone H2A.V	1.6	0.002	0.0001	0.04
IPI00219037	H2AFX	Histone H2A.x	1.5	0.02	0.002	0.11
IPI00220403	HIST1H2BB	Histone H2B type 1-B	1.7	0.0003	0.00003	0.02
IPI00477495	H2BFS	Histone H2B type F-S	1.7	0.0004	0.00004	0.02
IPI00219038	H3F3A	Histone H3.3	1.5	0.04	0.01	0.14
IPI00792333	IBTK	Inhibitor of Bruton tyrosine kinase, isoform 1	1.3	0.006	0.002	0.06
IPI00010697	ITGA6	Integrin alpha-6, isoform Alpha-6X1X2B	-1.3	0.02	0.009	0.12
IPI00873066	PAFAH1B2	Intracellular platelet-activating factor acetylhydrolase alpha 2 subunit vari	-1.3	0.02	0.004	0.10
IPI00554788	KRT18	Keratin, type I cytoskeletal 18	-1.2	0.01	0.01	0.08
IPI00299145	KRT6C	Keratin, type II cytoskeletal 6C	-1.2	0.009	0.002	0.08
IPI00329482	LAMA4	Laminin subunit alpha-4, isoform 1	1.4	0.01	0.004	0.08
IPI00218847	ACP1	Low molecular weight phosphotyrosine protein phosphatase, isoform 2	-1.2	0.04	0.01	0.15
IPI00293276	MIF	Macrophage migration inhibitory factor	1.9	0.0004	0.00004	0.02
IPI00927864	MDH2	Malate dehydrogenase	-1.2	0.03	0.001	0.12
IPI00219365	MSN	Moesin	1.2	0.05	0.01	0.19
IPI00103397	MUC5AC	Mucin-5AC	-1.2	0.03	0.006	0.13
IPI00918002	MUC5B	Mucin-5B	-1.5	0.04	0.007	0.15
IPI00796366	MYL6	Myosin, light chain 6, alkali, smooth muscle and non-muscle	-1.2	0.02	0.01	0.09

IPI00413922	MYL6B	Myosin, light chain 6B, alkali, smooth muscle and non-muscle	-1.1	0.05	0.01	0.21
IPI00926178	MTPN	Myotrophin	-1.2	0.01	0.005	0.08
IPI00026167	NHP2L1	NHP2-like protein 1	-1.3	0.007	0.005	0.07
IPI00012450	NMI	N-myc-interactor	1.6	0.001	0.01	0.04
IPI00376904	NSFL1C	NSFL1 cofactor p47 isoform c	-1.3	0.03	0.006	0.13
IPI00100197	NSFL1C	NSFL1 cofactor p47, isoform 1	-1.3	0.01	0.006	0.08
IPI00795292	NME2	Nucleoside diphosphate kinase B, isoform 3	-1.2	0.01	0.009	0.08
IPI00169383	PGK1	Phosphoglycerate kinase 1	-1.2	0.005	0.0002	0.06
IPI00219568	PGK2	Phosphoglycerate kinase 2	-1.1	0.05	0.0008	0.16
IPI00026546	PAFAH1B2	Platelet-activating factor acetylhydrolase IB subunit beta	-1.2	0.004	0.006	0.04
IPI00790842	PABPC1	Poly(A) binding protein, cytoplasmic 1, variant	-1.2	0.009	0.003	0.07
IPI00909378	PABPC1	Poly(A) binding protein, cytoplasmic 1, variant	-1.2	0.02	0.005	0.10
IPI00788837	PCBP2	Poly(rC) binding protein 2, variant	-1.3	0.0009	0.0009	0.03
IPI00012066	PCBP2	Poly(rC)-binding protein 2, isoform b	-1.2	0.0002	0.0007	0.02
IPI00301154	PABPC3	Polyadenylate-binding protein 3	-1.2	0.007	0.002	0.07
IPI00880097	POLR2J	Polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	-1.7	0.001	0.0005	0.03
IPI00744835	PSAP	Proactivator polypeptide, isoform Sap-mu-9	-1.3	0.007	0.008	0.06
IPI00246058	PDCD6IP	Programmed cell death 6-interacting protein	-1.2	0.002	0.0001	0.04
IPI00298547	PARK7	Protein DJ-1	-1.1	0.02	0.006	0.11
IPI00019997	LIN7C	Protein lin-7 homolog C	1.2	0.006	0.007	0.06
IPI00030355	PPP1R11	Protein phosphatase 1 regulatory subunit 11	-1.3	0.02	0.003	0.09
IPI00335061	PYCR2	Pyrroline-5-carboxylate reductase family, member 2	1.4	0.02	0.006	0.11
IPI00550069	RNH1	Ribonuclease inhibitor	-1.2	0.005	0.0001	0.06
IPI00397676	RPL7A	Ribosomal protein L7a	-1.2	0.02	0.009	0.09
IPI00793137	RPSAP58	Ribosomal protein SA pseudogene 58	-1.2	0.03	0.01	0.13
IPI00797741	RPLP0	Ribosomal protein, large, P0, variant	-1.3	0.007	0.0006	0.06
IPI00215743	RRBP1	Ribosome-binding protein 1, isoform 3	-1.2	0.001	0.0004	0.03
IPI00556485	RPLP0	RPLP0 protein	-1.2	0.02	0.004	0.10
IPI00908505	SCRN1	Secernin 1	-1.3	0.04	0.009	0.14
IPI00003377	SRSF7	Serine/arginine-rich splicing factor 7, isoform 1	1.5	0.02	0.004	0.10
IPI00943308	SRSF7	Serine/arginine-rich splicing factor 7, variant	1.4	0.003	0.0008	0.04
IPI00027423	PPP1CA	serine/threonine-protein phosphatase PP1-alpha catalytic subunit isoform	-1.2	0.05	0.004	0.15
IPI00032134	SERPINB8	Serpin B8	-1.1	0.04	0.0002	0.13
IPI00917346	SRSF7	Splicing factor, arginine/serine-rich 7	1.4	0.002	0.0005	0.04
IPI00019407	NSDHL	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	1.4	0.02	0.001	0.09
IPI00164300	SUCLG2	Succinyl-CoA ligase (GDP-forming) subunit beta, mitochondrial pseudogen	-1.4	0.0006	0.001	0.03

IPI00300027	SULT1A2	Sulfotransferase 1A2	1.2	0.03	0.002	0.13
IPI00216298	TXN	Thioredoxin	-1.1	0.05	0.01	0.16
IPI00220827	TMSB10	Thymosin beta-10	-1.2	0.007	0.007	0.07
IPI00644531	TAGLN2	Transgelin-2, variant or isoform	-1.2	0.003	0.00004	0.04
IPI00550363	TAGLN2	Transgelin-2, variant or isoform	-1.2	0.01	0.00005	0.08
IPI00395694	TNPO3	Transportin-3, isoform 2	-1.4	0.02	0.003	0.09
IPI00465028	TPI1	Triosephosphate isomerase isoform 2	-1.3	0.0007	0.00009	0.03
IPI00018511	TUBB4Q	Tubulin beta-4q chain	-1.8	0.003	0.002	0.04
IPI00619958	TPD52	Tumor protein D52, isoform 1	-1.2	0.03	0.01	0.13
IPI00550917	TWF2	Twinfilin-2	-1.2	0.02	0.001	0.10
IPI00908612	VAR5	Valyl-tRNA synthetase	-1.2	0.001	0.009	0.03
IPI00647442	VDAC2	Voltage-dependent anion channel 2	-1.4	0.04	0.007	0.14