

Table S5. Differentially expressed genes in the esophagus of rats treated with NMBA, PEITC or NMBA + PEITC and associated with cell cycle genes. Fold changes are relative to control samples. Genes are sorted by symbol. Reporter name is the Agilent probe identifier.

Unigene	Reporter Name	Gene Symbol	Sequence Description	NCBI GeneID	Accession	NMBA FC	NMBA+PEITC FC	PEITC FC
Rn.7264	A_42_P570241	288366_Rn	ESTs, Moderately similar to PBEF_HUMAN PRE-B CELL ENHANCING FACTOR PRECURSOR	297508	BF523891	-2.13	1.12	-1.19
Rn.92509	A_42_P799390	298760_Rn	ESTs, Moderately similar to CYCLIN-DEPENDENT KINASE INHIBITOR 1C [M.musculus]	246060	AI599589	1.62	-1.11	-1.05
Rn.1792	A_44_P524359	Anxa1	Annexin 1 (p35) (Lipocortin 1)	25380	NM_012904	2.85	1.23	-1.04
Rn.1792	A_43_P11614	Anxa1	Annexin 1 (p35) (Lipocortin 1)	25380	NM_012904	3.36	1.40	1.10
Rn.10550	A_44_P682186	AW917472	ESTs	25492	AW917472	-1.71	-1.11	1.01
Rn.96215	A_44_P452024	Bzw1	Rattus norvegicus basic leucine zipper and W2 domains 1 (Bzw1), mRNA [NM_198789]	363232	NM_198789	1.99	-1.03	-1.21
Rn.4166	A_44_P191784	Calm1	Calmodulin 1 (phosphorylase kinase, delta)	24242	NM_031969	1.70	1.08	-1.07
Rn.13094	A_44_P527480	Ccna2	Rattus norvegicus cyclin A2 (Ccna2), mRNA [XM_342229]	114494	XM_342229	1.90	-1.01	-1.16
Rn.9232	A_44_P534089	Ccnb1	Rattus norvegicus cyclin B1 (Ccnb1), mRNA [NM_171991]	25203	NM_171991	1.70	1.06	-1.04
Rn.22279	A_44_P411505	Ccnd1	Rattus norvegicus cyclin D1 (Ccnd1), mRNA [NM_171992]	58919	NM_171992	1.67	-1.07	-1.09
Rn.22279	A_44_P189299	Ccnd1	Rattus norvegicus cyclin D1 (Ccnd1), mRNA [NM_171992]	58919	NM_171992	2.30	-1.05	-1.21
Rn.5834	A_44_P367761	Ccng1	Cyclin G1	25405	NM_012923	3.13	1.09	-1.26
Rn.5834	A_44_P235919	Ccng1	Cyclin G1	25405	NM_012923	2.95	-1.10	-1.44
Rn.17982	A_44_P441773	Cdc37	CDC37 (cell division cycle 37, S. cerevisiae, homolog)	114562	NM_053743	1.90	-1.07	-1.26
Rn.10089	A_44_P515275	Cdkn1a	Rattus norvegicus cyclin-dependent kinase inhibitor 1A (Cdkn1a), mRNA [NM_080782]	114851	NM_080782	1.88	1.17	1.17
Rn.11306	A_42_P693821	Fosl1	Fos-like antigen 1	25445	NM_012953	1.69	1.06	-1.03
Rn.10250	A_44_P216395	Gadd45a	DNA-damage-inducible transcript 1	25112	NM_024127	1.71	1.04	1.05
Rn.79863	A_44_P1024065	Hdac5	Rattus norvegicus histone deacetylase 5 (Hdac5), mRNA [XM_213469]	84580	XM_213469	-1.51	1.07	-1.05
Rn.120392	A_44_P452492	Hspa8	heat shock 70kD protein 8	24468	NM_024351	2.26	-1.07	-1.13
Rn.120392	A_44_P424367	Hspa8	heat shock 70kD protein 8	24468	NM_024351	1.79	-1.10	-1.31
Rn.120392	A_44_P396546	Hspa8	heat shock 70kD protein 8	24468	NM_024351	1.96	1.10	-1.09
Rn.120392	A_43_P12417	Hspa8	heat shock 70kD protein 8	24468	NM_024351	1.97	-1.21	-1.29
Rn.9869	A_43_P14911	Il1b	Interleukin 1 beta	24494	NM_031512	2.84	1.29	1.23
Rn.15806	A_43_P12125	Junb	jun B proto-oncogene	24517	NM_021836	2.18	1.24	1.02
Rn.88457	A_42_P727584	Mapk6	mitogen-activated protein kinase 6	58840	NM_031622	2.45	1.17	-1.01
Rn.33226	A_44_P276338	Mcmd6	Rattus norvegicus mini chromosome maintenance deficient 6 (S. cerevisiae) (Mcmd6), mRNA	29685	XM_344135	1.95	-1.04	-1.26
Rn.4073	A_42_P579376	Nbl1	Neuroblastoma, suppression of tumorigenicity 1 (DNA segment human D1S1733E)	50594	NM_031609	-1.62	-1.05	-1.06
Rn.10550	A_42_P692054	Nfia	Nuclear Factor IA	25492	NM_012988	-1.78	-1.05	-1.00
Rn.54537	A_44_P1058389	Npm1	Nucleoplasmin-related protein (Nuclear protein B23)	25498	NM_012992	1.66	1.06	-1.14
Rn.223	A_44_P242756	Pcna	Proliferating cell nuclear antigen	25737	NM_022381	2.07	1.05	-1.26
Rn.223	A_44_P995132	Pcna	Proliferating cell nuclear antigen	25737	NM_022381	1.86	1.11	-1.00
Rn.9284	A_44_P135224	Plk3	Rattus norvegicus cytokine inducible kinase (Cnk), mRNA [XM_342888]	58936	XM_342888	2.22	1.26	1.12
Rn.1271	A_44_P273990	Ppp2ca	Protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	24672	NM_017039	1.87	1.24	1.01
Rn.1271	A_44_P273989	Ppp2ca	Protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	24672	NM_017039	2.14	1.38	1.11
Rn.10990	A_44_P399992	Prkar1a	Protein kinase, cAMP dependent, regulatory, type 1	25725	NM_013181	1.76	-1.02	-1.04
Rn.1653	A_44_P242694	Ptn	Pleiotrophin (Heparine binding factor, Hbnf, in the mouse)	24924	AI071874	-3.34	-1.26	-1.14

Rn.1653	A_44_P242691	Ptn	Pleiotrophin (Heparine binding factor, Hbnf, in the mouse)	24924	AI102795	-2.77	-1.06	1.14
Rn.1653	A_43_P11804	Ptn	Pleiotrophin (Heparine binding factor, Hbnf, in the mouse)	24924	NM_017066	-5.47	-1.06	-1.49
Rn.1653	A_44_P242690	Ptn	Pleiotrophin (Heparine binding factor, Hbnf, in the mouse)	24924	AI102795	-5.29	-1.21	-1.19
Rn.107698	A_43_P12806	Ran	RAN, member RAS oncogene family	84509	NM_053439	2.05	-1.01	1.01
Rn.107698	A_44_P168184	Ran	Rattus norvegicus GTP-ase Ran mRNA, complete cds. [AF507943]	84509	AF507943	1.95	-1.04	-1.13
Rn.101236	A_44_P992578	Rrm2	Rattus norvegicus similar to M2 ribonucleotide reductase (LOC362720), mRNA [XM_343040]	304657	XM_343040	3.36	1.17	1.05
Rn.29936	A_44_P325791	Ywhag	14-3-3 protein gamma-subtype	56010	NM_019376	2.02	1.13	-1.03