

Table S7. Differentially expressed genes in the esophagus of rats treated with NMBA, PEITC or NMBA + PEITC and associated with cell death. 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.18935	A_42_P640792	293856_Rn	Rattus norvegicus gap junction protein, beta 6 (connexin 30) (Gjb6), mRNA.	84403	NM_053388	2.99	1.07	1.62
Rn.22325	A_42_P543774	298524_Rn	Rattus norvegicus kinase (LOC246273), mRNA.	246273	NM_144755	2.08	1.09	1.27
Rn.32351	A_44_P171440	Apoe	Rattus norvegicus apolipoprotein E (Apoe), mRNA [NM_138828]	25728	NM_138828	-2.51	-1.11	-1.04
Rn.25176	A_44_P437945	Bbc3	Rattus norvegicus Bcl-2 binding component 3 (Bbc3), mRNA [NM_173837]	317673	NM_173837	1.79	1.11	1.16
Rn.10562	A_44_P530813	Casp3	Caspase 3, apoptosis related cysteine protease (ICE-like cysteine protease)	25402	NM_012922	2.30	-1.05	-1.42
Rn.6479	A_44_P348922	Cebpb	Liver activating protein (LAP, also NF-IL6, nuclear factor-IL6, previously designated TCF5)	24253	NM_024125	1.81	1.20	1.27
Rn.29996	A_44_P1057690	Dnase1l3	deoxyribonuclease I-like 3	116687	NM_053907	5.63	1.36	1.34
Rn.91450	A_44_P363377	Gapd	Glyceraldehyde-3-phosphate dehydrogenase	24383	NM_017008	1.67	-1.39	-1.16
Rn.91450	A_44_P193181	Gapd	Glyceraldehyde-3-phosphate dehydrogenase	24383	NM_017008	1.74	-1.37	-1.14
Rn.28195	A_44_P390495	Gch	GTP cyclohydrolase 1	29244	NM_024356	3.28	1.52	1.40
Rn.3160	A_43_P11472	Hmox1	Heme oxygenase	24451	NM_012580	2.04	1.23	1.27
Rn.11118	A_44_P161233	Il18	interleukin 18	29197	NM_019165	2.88	1.78	1.38
Rn.44266	A_42_P665509	Mapk8ip1	mitogen-activated protein kinase 8 interacting protein 1	116457	NM_053777	-1.64	1.01	1.21
Rn.4067	A_44_P101211	Mcl1	myeloid cell leukemia sequence 1	60430	NM_021846	1.93	1.11	-1.21
Rn.54537	A_44_P1058389	Npm1	Nucleoplasmin-related protein (Nuclear protein B23	25498	NM_012992	1.66	1.06	-1.14
Rn.2925	A_44_P1019245	PAG608	p53-activated gene 608	64394	NM_022548	2.11	1.40	1.44
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.1271	A_44_P273990	Ppp2ca	Protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	24672	NM_017039	1.87	1.24	1.01
Rn.7817	A_44_P226597	Pycard	Rattus norvegicus apoptosis-associated speck-like protein containing a CARD (Pycard), mRNA [NM_172322]	282817	NM_172322	-2.34	1.01	-1.01
Rn.2816	A_42_P659466	Raga	Ras-related GTP-binding protein ragA	117044	NM_053973	1.89	1.25	-1.16
Rn.107226	A_44_P999845	Sh3kbp1	Rattus norvegicus SH3-domain kinase binding protein 1 (Sh3kbp1), mRNA [NM_053360]	84357	NM_053360	2.19	1.14	1.10
Rn.40778	A_44_P351211	Tdag	T-cell death associated gene	29380	NM_017180	1.82	1.12	1.01
Rn.40778	A_44_P351209	Tdag	T-cell death associated gene	29380	NM_017180	3.01	1.12	1.34
Rn.2398	A_43_P12535	Tieg	TGFB inducible early growth response	81813	NM_031135	1.82	1.18	1.24
Rn.29936	A_44_P325791	Ywhag	14-3-3 protein gamma-subtype	56010	NM_019376	2.02	1.13	-1.03