

Symbol Gene	GenBank	Exon 9-mutated <i>PIK3CA</i> (n=44)	Exon 20-mutated <i>PIK3CA</i> (n=47)	FC	<i>P</i> value
UP-REGULATED GENES					
<i>ANPEP</i>	NM_001150	0.42 (0.06-14.5)	0.33 (0.07-18.3)	1.29	ns
<i>CYP4B1</i>	NM_000779	8.5 (0.00-178)	4.38 (0.35-82.3)	1.94	ns
<i>CYP4X1</i>	NM_178033	3.56 (0.07-101)	3.99 (0.05-51.5)	-1.12	ns
<i>CYP4Z1</i>	NM_171834	3.00 (0.01-254)	3.01 (0.04-120)	1.00	ns
<i>CYP4Z2P</i>	NR_002788	69.3 (1.43-1069)	66.7 (0.00-486)	1.04	ns
<i>HMGCS2</i>	NM_005518	0.47 (0.00-25.7)	0.76 (0.00-22.6)	-1.62	ns
<i>ID4</i>	NM_001546	0.15 (0.03-2.43)	0.21 (0.02-9.57)	-1.38	ns
<i>LIMCH1</i>	NM_014988	1.09 (0.16-8.58)	1.14 (0.08-5.74)	-1.05	ns
<i>LTF</i>	NM_002343	0.15 (0.01-41.8)	0.13 (0.00-13.6)	1.17	ns
<i>MAPT</i>	NM_016835	4.44 (0.86-15.9)	4.54 (0.15-26.2)	-1.02	ns
<i>MSX2</i>	NM_002449	3.48 (0.32-15.2)	4.07 (0.11-39.3)	-1.17	ns
<i>NR2F2</i>	NM_021005	1.24 (0.17-7.27)	0.92 (0.11-4.40)	1.34	ns
<i>NRIP3</i>	NM_020645	2.91 (0.10-79.5)	1.77 (0.22-105)	1.65	0.0378
<i>NTN4</i>	NM_021229	1.14 (0.04-10.2)	1.29 (0.14-8.77)	-1.14	ns
<i>PIK3R1</i>	NM_181523	0.36 (0.12-0.98)	0.37 (0.08-1.30)	-1.02	ns
<i>REEP1</i>	NM_022912	2.69 (0.20-16.8)	2.57 (0.19-21.8)	1.05	ns
<i>SEC14L2</i>	NM_012429	4.97 (0.48-39.1)	3.69 (0.16-36.9)	1.35	ns
<i>SLC4A4</i>	NM_003759	0.51 (0.00-79.7)	0.39 (0.01-128)	1.29	ns
<i>SLC40A1</i>	NM_014585	1.21 (0.08-10.6)	1.22 (0.00-17.9)	-1.01	ns
<i>TCF7L2</i>	NM_030756	0.30 (0.13-1.22)	0.35 (0.09-1.26)	-1.17	ns
<i>TFAP2B</i>	NM_003221	3.33 (0.00-179)	8.38 (0.00-117)	-2.51	0.0334
<i>TMC5</i>	NM_024780	6.24 (0.11-46.2)	5.42 (0.63-29.3)	1.15	ns
<i>TNFRSF11B</i>	NM_002546	1.93 (0.15-21.8)	1.76 (0.22-12.4)	1.10	ns
<i>VANGL2</i>	NM_020335	0.99 (0.14-9.09)	0.64 (0.07-3.47)	1.54	ns
<i>VTCN1</i>	NM_024626	0.65 (0.01-15.4)	0.64 (0.01-15.1)	1.01	ns
<i>WNT5A</i>	NM_003392	1.15 (0.35-4.77)	1.19 (0.24-7.27)	-1.04	ns
DOWN-REGULATED GENES					
<i>NKAIN1</i>	NM_024522	67.7 (0.74-560)	45.4 (0.71-560)	1.49	ns
<i>TPD52</i>	NM_005079	5.40 (2.00-80.9)	5.33 (1.75-34.9)	1.01	ns
<i>TUSC3</i>	NM_006765	0.65 (0.08-6.31)	0.62 (0.13-2.69)	1.04	ns

ns: not significant