



Cold atmospheric plasma and silymarin nanoemulsion activate Autophagy in human melanoma cells

Supplementary Table 1

S1: List of Primers related to *PI3K-mTOR* and *EGFR* pathways

Name	Sequence (5' – 3')
<i>PI3K F</i>	GATAGTTGTCTCCCCTCCTTCTC
<i>PI3K R</i>	GTTTGTTCTTTGCCTCATTTTC
<i>mTOR F</i>	GCGTCCCTACCTTCTTCTTC
<i>mTOR R</i>	TCAAATCCCTTCTCTGCTTCT
<i>EGFR F</i>	GCTATGAGATGGAGGAAGACG
<i>EGFR R</i>	GAGGAGGAGTATGTGTGAAGGA
<i>HRAS F</i>	AAGTGTGTGCTCTCCTGACG
<i>HRAS R</i>	GTCCTTCCTTCCTCCTCCTT
<i>MEK F</i>	CTCACCATCAACCCTACCATC
<i>MEK R</i>	TCTTCTGCTGCTCGTCAAGT

S2: List of Primers responsible for autophagy related transcriptional factor and its specific genes

Name	Sequence (5' – 3')
<i>18S RNA F</i>	CAGGTCTGTGATGCCCTTAGA
<i>18S RNA R</i>	GCTTATGACCCGCACTTACTG
<i>ZKSCAN3 F</i>	TGATAGGAGGCTACGGGAGAG
<i>ZKSCAN3 R</i>	AATCTGACCAACTGTGGAGGA
<i>TFEB F</i>	ATCAATACCCCCGTCCACTT
<i>TFEB R</i>	ACATCATCCAACCTCCCTCTCA
<i>FOXO1 F</i>	GTTGGGCAGGAAAGTGATGT
<i>FOXO1 R</i>	GCAGAAGGGAGAATGAGATGAA
<i>CRTC2 F</i>	CACCTCATCACCATCCCTCT
<i>CRTC2 R</i>	AACCCCTTGCTTTTTCTCATTC
<i>CREBBP F</i>	GCATCACCTTTTCCCTTTCA
<i>CREBBP R</i>	AACATCAATCCACCCTTCCA
<i>BECN-1 F</i>	AGGAGAGGAGCCATTTATTGA
<i>BECN-1 R</i>	CCACTATCTTGCGGTTCTTTT
<i>AMBRA1 F</i>	TGACCAATAACAACCACCTTCT
<i>AMBRA1 R</i>	ATCTTCCTCTCCACCCTGAC
<i>MAPLC3 F</i>	TACGAGCAGGAGAAAGACGAG
<i>MAPLC3 R</i>	GCAGAGTAGGTGGGTTGGTG
<i>SQSTM1 F</i>	CAGCACAGAGGAGAAGAGCA
<i>SQSTM1 R</i>	AGGAAACATCAGCACACACAC