## Supplementary Table 2: 52 genes modulated in Miapaca and Suit2-007 PDAC cells

Supplementary 1 asic 2. 52 genes modulated in vinapaca and suit2 007 1 510 cens							
Gene symbol	Entrez Gene Name	Expression fold change	Expression fold change		Function / nature of the protein		
		Miapaca	Suit2-007	protein	-		
	Down-regulated genes	_		_			
HSPE1	heat shock protein family E (Hsp10) member 1	-3,096	-2,377	Cytoplasm	enzyme		
OPTN	optineurin	-3,022	-2,627	Cytoplasm	other		
PRMT6	protein arginine methyltransferase 6	-2,467	-1,763	Nucleus	enzyme		
CNN2	calponin 2	-2,408	-1,79	Cytoplasm	other		
CDK6	cyclin dependent kinase 6	-2,38	-1,756	Nucleus	kinase		
F2R	coagulation factor II thrombin receptor	-2,312	-1,575	Plasma Membrane	G-protein coupled receptor		
RMI2	RecQ mediated genome instability 2	-2,304	-1,533	Nucleus	other		
SKP1	S-phase kinase associated protein 1	-2,253	-1,743	Nucleus	transcription regulator		
TMEM109	transmembrane protein 109	-2,236	-1,965	Cytoplasm	other		
BORA	bora, aurora kinase A activator	-2,199	-1,572	Cytoplasm	other		
PDIA5	protein disulfide isomerase family A member 5	-2,155	-1,978	Cytoplasm	enzyme		
FKBP3	FK506 binding protein 3	-2,112	-1,507	Nucleus	enzyme		
EMG1	EMG1, N1-specific pseudouridine methyltransferase	-2,093	-1,563	Nucleus	enzyme		
FRMD8	FERM domain containing 8	-2,02	-1,683	Other	other		
CD81	CD81 molecule	-2,017	-1,653	Plasma Membrane	other		
CDCA8	cell division cycle associated 8	-2,015	-1,835	Nucleus	other		
CNIH1	cornichon family AMPA receptor auxiliary protein 1	-1,993	-1,865	Plasma Membrane	other		
LRRC47	leucine rich repeat containing 47	-1,979	-1,632	Other	other		
STMN1	stathmin 1	-1,952	-1,536	Cytoplasm	other		
COMMD7	COMM domain containing 7	-1,934	-1,871	Cytoplasm	other		
	HSPE1 OPTN PRMT6 CNN2 CDK6 F2R RMI2 SKP1 TMEM109 BORA PDIA5 FKBP3 EMG1 FRMD8 CD81 CDCA8 CNIH1 LRRC47 STMN1	Gene symbolEntrez Gene NameDown-regulated genesHSPE1heat shock protein family E (Hsp10) member 1OPTNoptineurinPRMT6protein arginine methyltransferase 6CNN2calponin 2CDK6cyclin dependent kinase 6F2Rcoagulation factor II thrombin receptorRMI2RecQ mediated genome instability 2SKP1S-phase kinase associated protein 1TMEM109transmembrane protein 109BORAbora, aurora kinase A activatorPDIA5protein disulfide isomerase family A member 5FKBP3FK506 binding protein 3EMG1FK506 binding protein 3EMG1, N1-specific pseudouridine methyltransferaseFRMD8FERM domain containing 8CD81CD81 moleculeCDCA8cell division cycle associated 8CNIH1cornichon family AMPA receptor auxiliary protein 1LRRC47leucine rich repeat containing 47STMN1stathmin 1	Gene symbolEntrez Gene NameExpression fold changeBurney Barrey B	Gene symbol         Entrez Gene Name         Expression fold change fold change fold change fold change fold change methyltransferase         Expression fold change fold change fold change methyltransferase           HSPE1         heat shock protein family E (Hsp10) member 1         -3,096         -2,377           OPTN         optineurin         -3,022         -2,627           PRMT6         protein arginine methyltransferase 6         -2,467         -1,763           CNN2         calponin 2         -2,408         -1,79           CDK6         cyclin dependent kinase 6         -2,38         -1,756           F2R         coagulation factor II thrombin receptor         -2,312         -1,575           RMI2         RecQ mediated genome instability 2         -2,304         -1,533           SKP1         S-phase kinase associated protein 1         -2,253         -1,743           TMEM109         transmembrane protein 109         -2,236         -1,965           BORA         bora, aurora kinase A activator         -2,199         -1,572           PDIA5         protein disulfide isomerase family A member 5         -2,155         -1,978           FKBP3         FK506 binding protein 3         -2,112         -1,507           EMG1         N1-specific pseudouridine methyltransferase         -2,093         -	Gene symbolEntrez Gene NameExpression fold change PoteinExpression fold change PoteinCellular between Coation of the respective proteinHSPE1heat shock protein family E (Hsp10) member 1-3.096-2.377CytoplasmOPTNoptineurin-3.022-2,627CytoplasmPRMT6protein arginine methyltransferase 6-2,467-1,763NucleusCNN2calponin 2-2,408-1,79CytoplasmCDK6cyclin dependent kinase 6-2,38-1,756NucleusF2Rcoagulation factor II thrombin receptor-2,312-1,575Plasma MembraneRMI2RecQ mediated genome instability 2-2,304-1,533NucleusSKP1S-phase kinase associated protein 1-2,253-1,743NucleusTMEM109transmembrane protein 109-2,236-1,965CytoplasmBORAbora, aurora kinase A activator-2,199-1,572CytoplasmPDIA5protein disulfide isomerase family A member 5-2,155-1,978CytoplasmFKBP3FK506 binding protein 3-2,112-1,507NucleusEMG1EMG1, N1-specific pseudouridine methyltransferase-2,093-1,563NucleusFRMD8FERM domain containing 8-2,093-1,653NucleusCDS1CDS1 molecule-2,017-1,653NucleusCDCA8cell division cycle associated 8-2,017-1,653NucleusCNIH1cornichon family AMPA receptor auxiliary protein 1-1,993-1,865Plasm		

21	DCAF6	DDB1 and CUL4 associated factor 6	-1,93	-1,83	Nucleus	transcription regulator
22	TMEM199	transmembrane protein 199	-1,916	-1,531	Cytoplasm	other
23	HSP90AB1	heat shock protein 90 alpha family class B member 1	-1,858	-1,583	Cytoplasm	enzyme
24	PRTFDC1	phosphoribosyl transferase domain containing 1	-1,851	-1,57	Cytoplasm	enzyme
25	HMBS	hydroxymethylbilane synthase	-1,85	-1,703	Cytoplasm	enzyme
26	H3F3A/H3F3B	H3 histone family member 3A	-1,821	-1,588	Nucleus	other
27	CCNE1	cyclin E1	-1,788	-1,595	Nucleus	transcription regulator
28	TEAD2	TEA domain transcription factor 2	-1,745	-1,578	Nucleus	transcription regulator
29	HMCES	5-hydroxymethylcytosine (hmC) binding, ES cell- specific	-1,717	-1,505	Other	other
30	H3F3AP6	H3 histone, family 3A, pseudogene 6	-1,715	-1,538	Other	other
31	POFUT1	protein O-fucosyltransferase 1	-1,675	-1,72	Cytoplasm	enzyme
32	AZIN1	antizyme inhibitor 1	-1,657	-1,547	Cytoplasm	enzyme
33	TOMM20	translocase of outer mitochondrial membrane 20	-1,656	-1,51	Cytoplasm	transporter
34	COASY	Coenzyme A synthase	-1,647	-1,751	Cytoplasm	kinase
35	TMEM50B	transmembrane protein 50B	-1,607	-1,641	Plasma Membrane	other
36	ISCU	iron-sulfur cluster assembly enzyme	-1,548	-1,829	Cytoplasm	other
37	PPM1F	protein phosphatase, Mg2+/Mn2+ dependent 1F	-1,533	-1,728	Cytoplasm	phosphatase
38	HSPA1A/HSPA1B	heat shock protein family A (Hsp70) member 1A	-1,502	-1,55	Cytoplasm	enzyme
		Up-regulated genes				
39	ANO1	anoctamin 1	1,573	1,887	Plasma Membrane	ion channel
40	LAMP2	lysosomal associated membrane protein 2	1,598	1,612	Plasma Membrane	enzyme

41	AASDHPPT	aminoadipate-semialdehyde dehydrogenase- phosphopantetheinyl transferase	1,605	1,505	Cytoplasm	enzyme
42	HEATR1	HEAT repeat containing 1	1,635	1,553	Nucleus	other
43	ARHGEF2	Rho/Rac guanine nucleotide exchange factor 2	1,664	1,856	Cytoplasm	other
44	BCAT1	branched chain amino acid transaminase 1	1,689	1,534	Cytoplasm	enzyme
45	CAVIN2	caveolae associated protein 2	1,798	1,533	Plasma Membrane	other
46	FAM129A	family with sequence similarity 129 member A	1,81	1,892	Cytoplasm	other
47	CLDN1	claudin 1	1,948	1,853	Plasma Membrane	other
48	DESI2	desumoylating isopeptidase 2	2,063	2,519	Cytoplasm	other
49	ASNS	asparagine synthetase (glutamine-hydrolyzing)	2,082	1,785	Cytoplasm	enzyme
		Differently modulated genes				
50	IFITM3	interferon induced transmembrane protein 3	1,524	-1,713	Plasma Membrane	other
51	SLC15A3	solute carrier family 15 member 3	1,53	-1,913	Cytoplasm	transporter
52	TAF5	TATA-box binding protein associated factor 5	-1,606	1,52	Nucleus	transcription regulator