

Supplementary Materials:

Table 1. Characteristics of proteins that have undergone differential expressions in A2780 and A2780^{cisR} cell lines following treatment with selected drug combinations using A2780 cell line as reference.

Mach ID	Protein ID	Full name	Mascot search results	Location	References
3	CYPA P62937	Cyclophilin A	Mass: 18001 Mascot score: 252 Coverage: 53% <i>pI</i> : 7.68 MS:15 MSMS:3	Cytoplasm	[15] http://www.matrixscience.com
4	EIF5A1 P63241	Eukaryotic initiation factor 5A isoform 1	Mass: 16821 Mascot score:168 Coverage: 51% <i>pI</i> :5.08 MS:7 MSMS:2	Cytoplasm Nucleus. Endoplasmic reticulum membrane	[15] http://www.matrixscience.com
5	p18 P23528	18 kDa phosphoprotein	Mass: 18491 Mascot score: 137 Coverage: 42% <i>pI</i> : 8.22 MS:14 MSMS:2	Nucleus matrix. Cytoplasm, cytoskeleton. cell projection	[15] http://www.matrixscience.com
7	Op18 P16949	Oncoprotein 18	Mass: 17292 Mascot score: 114 Coverage: 53% <i>pI</i> : 5.76 MS:11 MSMS:2	Cytoplasm, cytoskeleton	[15] http://www.matrixscience.com
8	PRDX1 Q06830	Peroxiredoxin-1	Mass: 22096 Mascot score: 400 Coverage: 59% <i>pI</i> : 8.27 MS:20 MSMS:6	Cytoplasm	[15] http://www.matrixscience.com
11	PGAM1 P18669	Phosphoglycerate mutase 1	Mass: 28786 Mascot score: 318 Coverage: 64% <i>pI</i> : 6.67 MS:17 MSMS:3		[15] http://www.matrixscience.com
13	1433Z P63104	14-3-3 protein zeta/delta	Mass: 27728 Mascot score: 216 Coverage: 61% <i>pI</i> : 4.73 MS:22 MSMS:4	Cytoplasm	[15] http://www.matrixscience.com
15	hnRNPA1 P09651	Heterogeneous nuclear ribonucleoprotein A1	Mass: 38723 Mascot score: 325 Coverage: 46% <i>pI</i> : 9.17 MS:22 MSMS:5	Nucleus. Cytoplasm	[15] http://www.matrixscience.com
16	hnRNPA2/B1 P22626	Heterogeneous nuclear ribonucleoproteins A2/B1	Mass: 37407 Mascot score: 267 Coverage: 49% <i>pI</i> : 8.97 MS:19 MSMS:4	Nucleus, nucleoplasm. Cytoplasm	[15] http://www.matrixscience.com
17	ENOA	Alpha-enolase	Mass: 37407 Mascot score: 331 Coverage 44%	Cytoplasm. Cell membrane.	[15] http://www.matrixscience.com

			<i>pI</i> : 7.01 MS:23 MSMS:5 Mass: 36615 Mascot score: 81		
19	LDHB P07195	L-lactate dehydrogenase B chain;	Coverage: 46% <i>pI</i> : 5.71 MS:24 MSMS:6 Mass: 49510 Mascot score: 499	Cytoplasm	[15] http://www.matrixscience.com
25	EFTU P49411	Elongation factor Tu, mitochondrial	Coverage: 49% <i>pI</i> : 7.26 MS:22 MSMS:7 Mass: 50087 Mascot score: 389	Mitochondrion	[15] http://www.matrixscience.com
27	EF1G P26641	Elongation factor 1- gamma	Coverage: 42% <i>pI</i> : 6.25 MS:23 MSMS:5 Mass: 47139 Mascot score: 331		[15] http://www.matrixscience.com
31	ENOA P06733	Alpha-enolase	Coverage: 44% <i>pI</i> : 7.01 MS:23 MSMS:5 Mass: 57452 Mascot score: 91	Cytoplasm. Cell membrane	[15] http://www.matrixscience.com
32	TCPB P78371	T-complex protein 1 subunit beta	Coverage: 39% <i>pI</i> : 6.01 MS: 30 MSMS: 0 Mass: 56614 Mascot score: 213	Cytoplasm	[15] http://www.matrixscience.com
33	SERA O43175	D-3-phosphoglycerate dehydrogenase	Coverage: 25% <i>pI</i> : 6.29 MS: 15 MSMS: 4 Mass: 56747 Mascot score: 521	Cytosol	[15] http://www.matrixscience.com
35	ERp57 P30101	Endoplasmic reticulum resident protein 57	Coverage: 48% <i>pI</i> : 5.98 MS: 6 MSMS: 31 Mass: 53619 Mascot score: 609	Endoplasmic reticulum	[15] http://www.matrixscience.com
36	VIME P08670	Vimentin	Coverage: 75% <i>pI</i> : 5.06 MS: 51 MSMS: 4 Mass: 59329 Mascot score: 84	Cytoplasm	[15] http://www.matrixscience.com
39	TCPH Q99832	T-complex protein 1 subunit eta	Coverage: 25% <i>pI</i> : 7.55 MS: 19 MSMS: 2 Mass: 70854 Mascot score: 705	Cytoplasm	[15] http://www.matrixscience.com
45	HSP7C P11142	Heat shock cognate 71 kDa protein	Coverage: 62% <i>pI</i> : 5.37 MS: 45 MSMS: 6 Mass: 73635 Mascot score: 189	Cytoplasm	[15] http://www.matrixscience.com
46	Mortalin P38646	Stress-70 protein	Coverage: 17%	Mitochondrion	[15] http://www.matrixscience.com

			<i>pI</i> : 5.87 MS: 10 MSMS: 5 Mass: 72288		
47	BIP P11021	Immunoglobulin heavy chain-binding	Mascot score: 345 Coverage: 46% <i>pI</i> : 5.07 MS: 33 MSMS:6 Mass: 83212	Endoplasmic reticulum lumen	[15] http://www.matrixscience.com
51	HSP90B P08238	Heat shock protein HSP 90-beta	Mascot score: 623 Coverage: 40% <i>pI</i> : 4.97 MS: 37 MSMS:7 Mass: 95277		[15] http://www.matrixscience.com
52	EF2 P13639	Elongation factor 2	Mascot score: 431 Coverage: 32% <i>pI</i> : 6.41 MS: 47 MSMS:7 Mass: 92411		[15] http://www.matrixscience.com
54	GRP94 P14625	94 kDa glucose-regulated protein	Mascot score: 99 Coverage: 22% <i>pI</i> : 4.76 MS: 18 MSMS:2 Mass: 83626	Endoplasmic reticulum lumen	[15] http://www.matrixscience.com
55	IMMT Q16891	Mitochondrial inner membrane protein	Mascot score: 136 Coverage: 29% <i>pI</i> : 6.08 MS: 23 MSMS:1 Mass: 17138	Mitochondrion inner membrane	[15] http://www.matrixscience.com
63	NM23 P15531	Metastasis inhibition factor nm23	Mascot score: 405 Coverage: 60% <i>pI</i> : 5.83 MS: 12 MSMS:6 Mass: 25019	Cytoplasm	[15] http://www.matrixscience.com
66	PRDX6 P30041	Peroxiredoxin-6	Mascot score: 342 Coverage: 51% <i>pI</i> : 6.00 MS: 15 MSMS:5 Mass: 28415	Cytoplasm	[15] http://www.matrixscience.com
69	PSA3 P25788	Proteasome subunit alpha type-3	Mascot score: 125 Coverage: 50% <i>pI</i> : 5.19 MS: 15 MSMS: 3 Mass: 37407	Cytoplasm	[15] http://www.matrixscience.com
76	hnRNPA2/B1 P22626	Heterogeneous nuclear ribonucleoproteins A2/B1	Mascot score: 220 Coverage: 55% <i>pI</i> : 8.97 MS: 20 MSMS: 2 Mass: 62599	Nucleus, nucleoplasm	[15] http://www.matrixscience.com
88	Hop P31948	Hsc70/Hsp90-organizing protein	Mascot score: 375 Coverage: 52% <i>pI</i> : 6.40 MS: 45 MSMS: 6 Mass: 81257	Cytoplasm (By similarity).	[15] http://www.matrixscience.com
89	MCM7 P33993	DNA replication licensing factor MCM7	Mascot score: 214 Coverage: 54%	Nucleus (By similarity)	[15] http://www.matrixscience.com

			<i>pI</i> : 6.08 MS: 40 MSMS:3 Mass: 35055		
94	GBLP P63244	Guanine nucleotide-binding protein subunit beta-2-like 1	Mascot score: 189 Coverage: 37% <i>pI</i> : 7.60 MS: 16 MSMS:2 Mass: 40397	Cell membrane; Peripheral membrane protein.	[15] http://www.matrixscience.com
95	PSAT Q9Y617	Phosphohydroxythreonine aminotransferase	Mascot score: 437 Coverage: 41% <i>pI</i> : 7.56 MS: 21 MSMS:7 Mass: 53619	(UniPortKB 2014) (http://www.matrixscience.com)	[15] http://www.matrixscience.com
96	VIME P08670	Vimentin	Mascot score: 452 Coverage: 71% <i>pI</i> : 5.06 MS: 48 MSMS:7 Mass: 59714	Cytoplasm.	[15] http://www.matrixscience.com
97	ATPA P25705	ATP synthase subunit alpha, mitochondrial	Mascot score: 363 Coverage: 56% <i>pI</i> : 9.16 MS: 32 MSMS:5 Mass: 50196	Mitochondrion inner membrane	[15] http://www.matrixscience.com
102	RUVB1 Q9Y265	RuvB-like 1	Mascot score: 106 Coverage: 24% <i>pI</i> : 6.02 MS: 17 MSMS:4 Mass: 60306	Nucleus matrix	[15] http://www.matrixscience.com
105	TCPA P17987	T-complex protein 1 subunit alpha	Mascot score: 167 Coverage: 43% <i>pI</i> : 5.80 MS: 21 MSMS:3 Mass: 29228	Cytoplasm	[15] http://www.matrixscience.com
108	CAH2 P00918	Carbonic anhydrase 2	Mascot score: 159 Coverage: 27% <i>pI</i> : 6.87 MS: 7 MSMS:3 Mass: 48603	Cytoplasm	[15] http://www.matrixscience.com
116	PRS7 P35998	26S protease regulatory subunit 7	Mascot score: 98 Coverage: 45% <i>pI</i> : 5.71 MS: 20 MSMS: 1	Cytoplasm	[15] http://www.matrixscience.com

* Accession number, protein ID, names and Mass, MSMS, coverage and protein score were obtained from APAF (<http://www.proteome.org.au/>); *Theoretical isoelectric point (*pI*), subcellular location mass spectrum and matched peptides were obtained from Mascot database (<http://www.matrixscience.com>), SwissProt database), (<http://www.uniprot.org/>) .

[15]; *Protein scores from Mascot database (<http://www.matrixscience.com>) through APAF (<http://www.proteome.org.au/>).