

Table S1 Fold changes of soluble factors after maximum tolerated dose (MTD) gemcitabine (Gem) or metronomic gemcitabine treatment compared to vehicle control in the two primary pancreatic cancer xenografts.

Soluble factors	PaCa8		Soluble factors	PaCa13	
	MTD Gem	Metronomic Gem		MTD Gem	Metronomic Gem
Adiponectin	↑ 15	--	Adiponectin	↓ 4.7	--
Alpha-1 antitrypsin	↓ 17	↓ 32	Alpha-fetoprotein	↑ 2.0	--
Alpha-fetoprotein	↓ 2.0	↓ 1.9	Alpha-2 macroglobulin	↑ 4.5	--
Alpha-2 macroglobulin	--	↑ 1.5	Apolipoprotein H	↑ 1.8	--
Apolipoprotein H	--	↑ 2.0	Beta-2 macroglobulin	↓ 8.3	↓ 3.6
Beta-2 macroglobulin	↓ 4.5	↓ 22	Cancer antigen 125	--	↓ 1.9
BDNF	--	↓ 4.7	Calcitonin	↑ 3.6	BDL
Cancer antigen 125	↓ 2.4	↓ 11	C-reactive protein	BDL	↓ 4.5
CD40	↓ 8.8	↓ 63	Eotaxin	↑ 3.7	--
CD40 ligand	↓ 6.0	↓ 21	Factor VII	↓ 4.0	--
Epidermal growth factor	↓ 4.1	↓ 12	Fibroblast growth factor, basic	↑ 2.9	--
Endothelin-1	↓ 2.4	↓ 4.8	GM-CSF	↑ 3.0	--
Fatty acid binding protein	--	↓ 54	Glutathione-S-transferase	↓ 2.4	--
Factor VII	↓ 1.9	--	ICAM-1	↑ 1.8	↓ 1.8
Ferritin	--	↓ 11	Interferon gamma	↑ 3.0	--
Fibroblast growth factor, basic	↑ 2.9	--	Interleukin-1 alpha	↑ 2.4	--
G-CSF	↓ 14	BDL	Interleukin-1 ra	↓ 2.4	↓ 2.4
GM-CSF	↓ 20	↓ 34	Interleukin-12 p70	↑ 1.7	--
Glutathione-S-transferase	--	↑ 1.7	Interleukin-15	↑ 1.9	--
ICAM-1	↓ 15	↓ 57	Interleukin-16	↑ 4.1	↑ 2.5
IgM globulin E	↓ 4.0	↑ 1.5	Interleukin-4	↑ 3.2	--
Interferon gamma	↓ 16	BDL	Interleukin-5	↓ 2.2	--
Interleukin-1 alpha	↓ 75	↓ 397	Leptin	↓ 2.0	↓ 1.3
Interleukin-1 beta	↓ 19	↓ 20	Lipoprotein a	BDL	↓ 2.3
Interleukin-1 ra	↓ 2.8	↓ 35	MCP-1	↑ 4.1	BDL
Interleukin-10	BDL	↓ 2.0	MMP-3	↓ 1.7	--
Interleukin-12 p70	--	↑ 1.7	Myeloperoxidase	↑ 2.6	--
Interleukin-13	--	↑ 1.6	PAI-1	↓ 2.8	↓ 5.1
Interleukin-15	↓ 2.4	--	Stem cell factor	↑ 3.2	--
Interleukin-2	--	BDL	SGOT	↑ 2.0	--
Interleukin-3	BDL	BDL	Tissue factor	↑ 11	--
Interleukin-4	↓ 2.4	--	Tumor necrosis factor-alpha	↑ 3.2	--
Interleukin-5	--	BDL	Tumor necrosis factor-beta	↑ 2.3	--
Interleukin-6	↓ 9.7	BDL	Tumor necrosis factor RII	↓ 2.1	↓ 3.8
Interleukin-8	↓ 18	↓ 189	Thrombopoietin	↑ 1.7	--
Insulin	--	↑ 13	Thyroid stimulating hormone	↑ 2.0	--
Lipoprotein a	↓ 2.4	BDL	VCAM-1	↓ 1.9	↓ 8.9
MCP-1	↓ 30	↓ 81	von Willebrand factor	↓ 1.7	↓ 2.4
MDC	↓ 4.2	BDL			
MIP-1 alpha	--	↑ 1.5			
Prostatic acid phosphatase	↓ 5.3	↓ 12			
PAPP-A	↓ 4.0	--			
Stem cell factor	↓ 2.5	↓ 7.6			
SGOT	↑ 2.7	--			

--, no significant change compared to vehicle control.
 ↑, significant increase (P<0.05) compared to vehicle control.
 ↓, significant decrease (P<0.05) compared to vehicle control.
 BDL, below detection limit.

Note: For the complete list of 89 human antigens/soluble factors that were quantified using the HumanMAP version 1.6, refer to http://www.rulesbasedmedicine.com/services_human_antigen.asp. Only those soluble factors whose levels were significantly altered by at least one of the treatment regimens were listed above.