Supplementary Tables and Figures

Conditioned media from the PC3 and Raw264.7 cells co-culture										
Theoretical No. of										
Protein	Gene	molecular mass (Da)	Coverage %	peptides	PSMs					
SCO-spondin	SSPO	547.5	0.80	1	1					
Metabotropic glutamate receptor 2	GRM2	95.5	4.24	1	1					
Dystonin	DST	190.2	2.33	1	1					
Coiled-coil domain-containing protein 191	KIAA1407	110.5	4.38	1	1					
Keratin, type I cytoskeletal 27	KRT27	49.8	8.93	1	1					
Baculoviral IAP repeat-containing protein 1	NAIP	159.5	2.35	1	1					
E3 ubiquitin-protein ligase RNF34	RNF34	4.7	77.78	1	2					
Receptor-type tyrosine-protein phosphatase U	PTPRU	162.3	2.14	1	1					
BMP/retinoic acid-inducible neural-specific protein 2	BRINP2	88.9	4.34	1	1					
Olfactory receptor 8D2	OR8D2	34.8	12.86	1	1					
ATP-dependent RNA helicase DDX18	DDX18	75.4	5.82	1	1					
Obscurin	OBSCN	972.4	0.30	1	1					
Neuronal-specific septin-3	SEPTIN3	40.7	12.29	1	1					
Urokinase-type plasminogen activator	PLAU	48.5	3.02	1	1					
Ethanolamine-phosphate phospho-lyase	ETNPPL	55.6	8.82	1	1					
Coiled-coil domain-containing protein 65	CCDC65	57.3	2.07	1	1					
Immunoglobulin heavy variable 3-53	IGHV3-53	12.8	40.52	1	1					
DDB1- and CUL4-associated factor 5	DCAF5	103.9	4.56	1	1					
Lamin tail domain-containing protein 2	LMNTD2	70.3	5.21	1	1					
Thioredoxin domain-containing protein 11	TXNDC11	110.5	3.15	1	1					
Alkylglycerol monooxygenase	AGMO	51.5	9.21	1	2					
Importin subunit alpha-3	KPNA4	57.9	5.57	1	1					
Zinc finger protein 585A	ZNF585A	87.9	5.20	1	1					
Ankyrin repeat domain-containing protein 36B	ANKRD36B	153.5	2.37	1	1					
Syntabulin	SYBU	73	5.24	1	1					
Retinoic acid-induced protein 3	GPRC5A	40.2	10.64	1	1					
CapZ-interacting protein	RCSD1	44.1	10.44	1	1					
Transmembrane protein 184A	TMEM184A		9.41	1	1					
Chloride channel protein 2	CLCN2	97.1	4.93	1	1					
Enolase-phosphatase E1	ENOPH1	28.6	16.34	1	1					
Thymic stromal cotransporter protein	SLC46A2	52	8.98	1	1					
Protein Gm9923	520-10/12	67.4	6.21	1	1					
DEP domain-containing protein 5	DEPDC5	180.3	2.01	1	1					
Protein Fam3c	FAM3C	27	12.15	1	1					
Keratin, type II cytoskeletal 5	KRT5	61.7	8.45	1	1					
Ubiquinone biosynthesis protein COQ4 homolog, mitochondrial	COQ4	30.1	5.26	1	1					
	ESPN	154.4	1.92	1	1					
Espin Dynamia like 120 kDa protein mitochondrial	OPA1	113.2	4.29							
Dynamin-like 120 kDa protein, mitochondrial Striatin-4	STRN4	23.9	16.89	1 1	1 1					
Transcription factor Dp-2	DP2	42.9	11.40	1	1					
				1						
Serine/threonine-protein kinase PINK1, mitochondrial	PINK1	63.1	6.90		1					
E3 ubiquitin-protein ligase HERC2	HERC2	527.1	0.99	1	1					
Contactin-associated protein 1	CNTNAP1	156.2	2.45	1	1					
Cornifin-A	SPRR1A	15.8	25.00	1	1					
GRIP1-associated protein 1	GRIPAP1	95.9	3.46	1	1					
Ribonuclease P protein subunit p40	RPP40	41.5	9.92	1	1					
Protein Ift140	IFT140	165.8	3.07	1	1					
GTP-binding nuclear protein Ran	RAN	24.3	19.91	1	1					
ATPase, H+ transporting, lysosomal V1 subunit B1	ATP6V1B1	56.8	6.24	1	1					
Cullin-3	CUL3	88.9	5.08	1	2					
Fibrinogen gamma chain	FGG	52.3	1.95	1	1					
Elongation factor 1-alpha 2	EEF1A2	50.4	2.38	1	1					
Protein KIAA0100	KIAA0100	253.5	1.74	1	1					
Echinoderm microtubule-associated protein-like 4	EML4	110.1	3.83	1	1					

Table S1. List of differential proteins for the conditioned media of PC3 cells co-cultured with RAW264.7 cells identified by LC ESI-MS/MS analysis and matched against human (orange), murine (yellow) or both (green) protein databases.

Conditioned media from the hemin pre-treated PC3 and Raw264.7 cells co-culture Theoretical							
P ro tein	Gene	molecular mass (kDa)	Coverage %	No. of peptides	PSMs		
ADP-dependent glucokinase	ADPGK	54.1	9.26	1	1		
Alkylglycerol monooxygenase ATP-binding cassette sub-family A member 1	AGM O ABCA1	51.5 13.8	9.21 31.71	1	4		
AT-rich interactive domain-containing protein 1A	ARID1A	241.9	1.18	1	1		
Bifunctional epoxide hydrolase 2	EPHX2	62.6	5.41	1	1		
CD44 antigen Chloride intracellular channel protein 6	CD44 CLIC6	81.5 73	1.62 4.26	1	1		
Collagen alpha-1(XVI) chain	COL16A1	157.7	2.06	1	1		
Complement component C9	C9	63.1	1.61	1	1		
Cyto kine-dependent hematopoietic cell linker	CLNK HACE1	49.5 102.3	4.21 4.40	1	1		
E3 ubiquitin-protein ligase HACE1 Enoyl-CoA hydratase, mitochondrial	ECHS1	31.4	12.41	1	1		
Formin-2	FMN2	180	1.34	1	1		
Gelsolin	GSN KPN A4	85.6 57.9	1.02 5.57	1	1		
Importin subunit alpha-3 Integrator complex subunit 8	INTS8	113	3.22	1	1		
Kelch-like protein 26	KLHL26	68.1	5.37	1	1		
Keratin, type II cytoskeletal 5	KRT5	23.1	19.40	1	1		
Klotho Membrane-associated phosphatidylinositol transfer protein 3	KL PITPNM3	116.1 13.1	2.96 35.34	1	1		
Membrane-spanning 4-domains subfamily A member 7	MS4A7	26.1	7.08	1	1		
Methylcrotonoyi-CoA carboxylase subunit alpha, mitochondrial	M CCC1	66.4	5.02	1	3		
Neuron navigator 2 Nuclear receptor-binding protein 2	NAV2 NRBP2	268.1 57.8	1.12 7.39	1	1		
Nucleoporin SEH1	SEH1L	39.6	10.56	1	1		
OTU domain-containing protein 1	OTU D1	51	6.03	1	1		
Phospholipase B1, membrane-associated	PLB1	56.6	5.69	1	1		
PRA1 family protein 3 Ran-binding protein 10	ARL6IP5 RANBP10	21.6 70.4	14.36 5.85	1	1		
Retinoic acid-induced protein 3	GPRC5A	40.2	10.64	1	1		
RNA-binding protein 4	RBM4	40.3	10.16	1	1		
Roundabout ho molog 3 Scavenger receptor class A member 5	ROBO3 SCARA5	148.1 54	3.61 5.66	1	1 2		
Thrombospondin-4	THBS4	105.8	1.04	1	1		
Tubulin beta-6 chain	TUBB6	49.8	3.14	1	1		
Tyrosine-protein kinase JAK3 Uncharacterized protein KIAA1551	JAK3 KIAA 1551	125 194.7	2.22	1	1		
Zinc finger and BTB domain-containing protein 17	ZBTB17	87.9	4.86	1	1		
Zinc finger protein 544	ZN F544	81.7	5.17	1	1		
Retrotransposon gag domain-containing protein 1 Neuronal-specific septin-3	RGAG1 SEPTIN3	144.2 40.7	1.87 12.29	1	1		
Putative deoxyribonuclease TATDN1	TAT DN1	33.5	7.64	1	1		
Serine/threonine-protein kinase PAK 6	PAK6	74.8	6.75	1	1		
Vimentin-type intermediate filament-associated coiled-coil protein	VMAC CACNA1S	18.3 246	15.38 0.37	1	1		
Voltage-dependent L-type calcium channel subunit alpha Zinc finger CCHC domain-containing protein 5	ZCCHC5	246 52.8	0.37 8.84	1	1		
Protein 1600014C10Rik		5.6	60.00	1	1		
MCG142225	-	34.1	8.33	1	1		
MCG134312, isoform CRA_a MCG142459		77.2 19.5	5.19 22.94	1	1		
5'-AMP-activated protein kinase subunit gamma-2	PRKAG2	62.9	6.54	1	1		
Acrosin-binding protein	ACRBP	61.1	6.48	1	1		
Adhesion G protein-coupled receptor L4 Angiomotin-like protein 1	ELTD1 AMOTL1	82.2 107.9	3.92 3.62	1	1		
Apolipoprotein A-I	APO A1	30.6	3.79	1	1		
ATP synthase subunit O, mitochondrial	ATP50	23.3	5.63	1	1		
Breast cancer anti-estrogen resistance protein 3 Centriolar coiled-coil protein of 110 kDa	B CAR3 CCP110	92.2 111.1	4.88 3.39	1	1		
Cyto chrome b5	CYB5A	15.2	32.09	1	1		
F-actin-capping protein subunit alpha-3	CAPZA3	34.9	8.03	1	1		
FERM domain-containing protein 3	FRM D3	68.4	5.55	1	1		
Furin Gamma-tubulin complex component 2	FUR IN TUBGCP2	86.7 103.2	3.53 3.09	1	1		
Netrin-5	NTN5	48.8	3.32	1	1		
Protein AF-9	M LLT3	63.3	3.51	1	1		
Putative E3 ubiquitin-protein ligase UNKL Rho GTPase-activating protein 1	UNKL ARHGAP1	11 54.4	35.19 9.39	1	1		
SHC-transforming protein 1	SHC1	62.6	8.12	1	1		
SI D1 transmembrane family member 2	SIDT2	94.4	4.93	1	1		
Sodium-dependent neutral amino acid transporter B(0)AT3 Tubulin beta-4B chain	SLC6A18 TUBB4B	69.2 49.8	4.88 3.15	1	1		
Tubulin po lyglutamylase TTLL4	TTLL4	132.4	2.77	1	1		
Type 1 phosphatidylino sitol 4,5-bisphosphate 4-phosphatase	TMEM55B	30	17.25	1	1		
Unconventional myosin-lxb	MYO9B VAMP2	240.2 17.9	2.07 28.83	1	1		
Vesicle-associated membrane protein 2 YTH domain-containing family protein 3	YTHDF3	17.9 63.9	28.83 8.03	1	1		
Zinc finger protein 536	ZN F536	141.5	3.61	1	1		
AAANOO daarada aarada la aarada da	MANSC4	36.8	11.87	1	1		
MANSC domain-containing protein 4			8.63	1	1		
Olfactory receptor 24	OLFR24 MAST3	34.8 11.1	33.02				
	OLFR24 MAST3 C11orf84	34.8 11.1 41.2	33.02 10.24	1	1		
Offactory receptor 24 Microtubule-associated serine/ threonine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b	MAST3 C11orf84 MYO15B	11.1 41.2 332.8	10.24 0.79	1	1		
Offactory receptor 24 Microtubule-associated serine/ threo nine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor	MAST3 C11o ff84 MYO 15B AGTR1	11.1 41.2 332.8 40.9	10.24 0.79 6.96	1 1 1	1		
Offactory receptor 24 Microtubule-associated serine/ threonine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b	MAST3 C11orf84 MYO15B	11.1 41.2 332.8	10.24 0.79	1	1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NADPH] 2 Opioid growth factor receptor-like protein 1 Protein Scm12	MAST3 C11of84 MYO15B AGTR1 CBR2 OGFRL1 SCML2	11.1 41.2 332.8 40.9 25.9 52.2 106.7	10.24 0.79 6.96 14.75 7.33 4.02	1 1 1 1 1	1 1 1 1		
Offactory receptor 2.4 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterzied protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NADPH] 2 Opiolig growth factor receptor-like protein 1 Protein Scml2 Protein Zfp108	MAST3 C11orf84 MYO15B AGTR1 CBR2 OGFRL1 SCML2 ZFP108	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1	10.24 0.79 6.96 14.75 7.33 4.02 4.83	1 1 1 1 1 1	1 1 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NADPH] 2 Opioid growth factor receptor-like protein 1 Protein Scm12	MAST3 C11of84 MYO15B AGTR1 CBR2 OGFRL1 SCML2	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9	10.24 0.79 6.96 14.75 7.33 4.02	1 1 1 1 1	1 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Undnaracterized protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NADPH] 2 Opiolig growth factor receptor-like protein 1 Protein Scml2 Protein Scml2 Protein factor, runt domain, alpha subunit 2, translocated to, 3 Tripartite motif-containing protein 438 Trestis-expressed sequence 11 protein	MAST3 C11orf84 MYO15B AGTR1 CBR2 OGFRL1 SCML2 ZFP108 CBFA2T3 TRIM43B TEX11	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NACPH] 2 Opiold growth factor receptor-like protein 1 Protein Scm12 Protein 72p108 Croe-binding factor, runt domain, alpha subunit 2, translocated to, 3 Tripartie mostf-containing protein 438 Testsie-expressed sequence 11 protein Differentially expressed in FDCP 6 homolog	MAST3 C11off84 MYO15B AGTR1 CBR2 OGFRL1 SCML2 ZFP108 CBFA2T3 TRIM143B TEX11 DEF6	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C110ff84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NADPH] 2 Opiold growth factor receptor-like protein 1 Protein Scm12 Protein Zff108 Core-binding factor, runt domain, alpha subunit 2, translocated to, 3 Trighartie modf-containing protein 438 Testis-expressed sequence 11 protein Offerentially expressed in FDCP 6 homolog Vigilin	MAST3 C11orf84 MYO15B AGTR1 CBR2 OGFRL1 SCML2 ZFP108 CBFA2T3 TRIM43B TEX11	11.1 41.2 33.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NACPH] 2 Opiold growth factor receptor-like protein 1 Protein Scm12 Protein 72p108 Croe-binding factor, runt domain, alpha subunit 2, translocated to, 3 Tripartie mostf-containing protein 438 Testsie-expressed sequence 11 protein Differentially expressed in FDCP 6 homolog	MAST3 C11of84 MY015B AGTR1 CBR2 OGFRL1 SCML2 ZFP108 CBFA2T3 TRIM43B TEX11 DEF6 HDLBP	11.1 41.2 33.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85 1.43 2.13	1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
Offactory receptor 24 Microtubule-associated saring/threo nine-protein kinase 3 Uncharacterized protein C11off84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NADPH] 2 Opiolid growth factor receptor-like protein 1 Protein Scm12 Protein Zfp108 Croe-binding factor, runt domain, alpha subunit 2, translocated to, 3 Tripartie motif-containing protein 438 Tripartie motif-containing protein 438 Tripartie motif-containing protein 50 Differentially expressed in FDCP 6 homolog Vigitin A-kinase anchor protein SPHKAP Alpha-enolisse (RB8-binding protein)	MAST3 C11of84 MY015B AGTR1 CBR2 OGFRL1 SCML2 ZFP108 CBR22T3 TRIM43B TEX11 DEF6 HDLBP SPHKAP EN01 CREBBP	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9 141.4 186.3 47.1 265.2	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85 1.43 2.13 2.41 5.53 3.36	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Ofactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NACPH] 2 Opiold growth factor receptor-like protein 1 Protein Scm12 Protein 2/p108 Core-binding factor, runt domain, alpha subunit 2, translocated to, 3 Tripartite mostf-containing protein 438 Testst-expressed sequence 11 protein Differentially expressed in PDCP 6 homolog Vigilin Akinase anchor protein SPHKAP Alpha-enolase CREB-binding protein Elongation factor 1-alpha 2	MAST3 C11of84 MY015B AGTR1 CBR2 OGFRL1 SCML2 ZFP10B CBFA2T3 TRIM43B TEX11 DEF6 HDLBP SPHKAP EN01 CREBBP EEF1A2	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9 141.4 186.3 47.1 265.2 50.4	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85 1.43 2.13 2.41 5.53 3.36 2.38	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C11off 84 homolog Protein Myo15b Type-18 angiotensini I receptor Carbonyl reductase [NADPH] 2 Opiold growth factor receptor-like protein 1 Protein Scm12 Protein 27p108 Core-binding factor, runt domain, alpha subunit 2, translocated to, 3 Tripartite motif-containing protein 438 Testis-expressed sequence 11 protein Differentially expressed in FDCP 6 homolog Vigilin A-kinase anchor protein SPHKAP Alpha-enolase CREB-binding protein Elongation factor 1-alpha 2 GDNF Family receptor alpha-2	MAST3 C11of84 MY015B AGTR1 CBR2 OGFRL1 SCML2 ZFP108 CBR22T3 TRIM43B TEX11 DEF6 HDLBP SPHKAP EN01 CREBBP	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9 141.4 186.3 47.1 265.2 50.4	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85 1.43 2.13 2.41 5.53 3.36	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C11off24 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NADPH] 2 Opiolig growth factor receptor-like protein 1 Protein Scm12 Protein Scm12 Protein 27p108 Core-binding factor, runt domain, alpha subunit 2, translocated to, 3 Tripartite motif-containing protein 438 Testis-expressed sequence 11 protein Differentially expressed in FDCP 6 homolog Vigilin Akinase anchor protein SPHKAP Alpha-enolase CREB-binding protein Elongation factor 1-alpha 2 GON Ffamily receptor alpha-2 Peptidy-proly (6:-trans somerase A Phospologiverate mutase 1	MAST3 C110/84 MY015B AGTR1 CBR2 OGFRL1 SCML2 ZFP108 CBFAZT3 TRIM43B TEX11 DEF6 HDLBP SPHKAP EN01 CREBBP EEF1A2 GFRA2 PFIA	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9 141.4 186.3 47.1 265.2 50.4 51.5	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85 1.43 2.13 2.41 5.53 3.36 6.238 7.54 8.48	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 2 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threo nine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo150 Type-18 angiotensin II receptor Carbonyl reductase [NADPH] 2 Opicial grow fil actor receptor-like protein 1 Protein Scml2 Protein 2/p108 Croe-binding factor, runt domain, alpha subunit 2, translocated to, 3 Tripartite mostf-containing protein 438 Tripartite mostf-containing protein 438 Tripartite mostf-containing protein 638 Tripartite mostf-containing protein 50 Diffarendially expressed in FDCP 6 homolog Vigilin A-kinase anchor protein SPHKAP Alpha-enolase CRE8-binding protein Elongation factor 1-alpha 2 GoNF family receptor alpha-2 Peptidyl-pro lyl cis-trans isomerase A Phosphoglycerate mutase 1 Probable ATF-dependent RNA-belicase DDX59	MAST3 C110r84 MY0158 AGTR1 CBR2 OGFRL1 SCML2 ZFP108 TEX11 DEF6 HOLBP SPHKAP EN01 CREBBP EEF1A2 GFRA2 PPIA PGAM1 DDX59	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9 141.4 186.3 47.1 265.2 50.4 51.5 18 28.8 68.8	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85 1.43 2.13 2.41 5.53 3.36 2.88 8.48 8.48 8.27 8.49	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Offactory receptor 24 Microtubule-associated serine/threonine-protein kinase 3 Uncharacterized protein C11orf84 homolog Protein Myo15b Type-18 angiotensin II receptor Carbonyl reductase [NACPH] 2 Opioid growth factor receptor-like protein 1 Protein Scm12 Protein 2/p108 Core-binding factor, runt domain, alpha subunit 2, translocated to, 3 Tripartite mostf-containing protein 438 Testst-expressed sequence 11 protein Differentially expressed in PDCP 6 homolog Vigilin Akinase anchor protein SPHKAP Alpha-enolase CREB-binding protein Elongation factor 1-alpha 2 GNNF family receptor alpha-2 Peptidyl-poly (ic-trans isomerase A Phosphoglycerate mutase 1 Probable ATP-dependent RNA helicase DDX59 Prosaposin receptor GPR37L1	MAST3 C110/84 MY015B AGTR1 CBR2 OGFRL1 SCML2 ZFP108 CBFAZT3 TRIM43B TEX11 DEF6 HDLBP SPHKAP EN01 CREBBP EEF1A2 GFRA2 PFIA	11.1 41.2 332.8 40.9 25.9 52.2 106.7 73.1 67.9 52.2 109.6 73.9 141.4 186.3 47.1 265.2 50.4 51.5 18	10.24 0.79 6.96 14.75 7.33 4.02 4.83 6.61 5.17 2.85 1.43 2.13 2.41 5.53 3.36 6.238 7.54 8.48	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1		
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Table S2. List of differential proteins for the conditioned media of hemin pre-treated PC3 cells co-cultured with RAW264.7 cells identified by LC ESI-MS/MS analysis and matched against human (orange), murine (yellow) or both (green) protein databases.

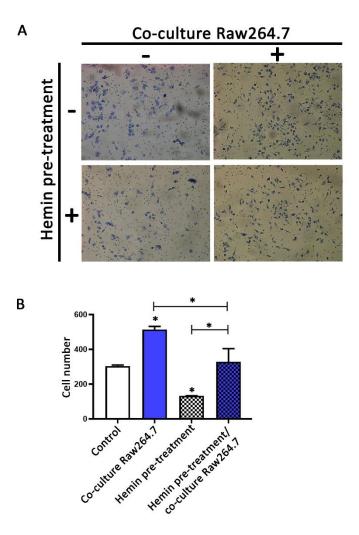


Figure S1. PC3 cells grown in co-culture with Raw246.7 cells increase invasive properties. **(A)** PC3 cells pre-treated or not with hemin were plated on Matrigel in a transwell insert and incubated alone or in co-culture with Raw264.7 cells. **(B)** Cell invasion was measured using Matrigel-coated transwell inserts. Cells that had invaded to the underside of the inserts after 24 h of incubation were counted by light microscopy. Four fields of view from each insert were counted. One representative from at least three independent experiments is shown (columns, mean of eight fields of view; bars, SEM; *p < 0.05, significant difference).

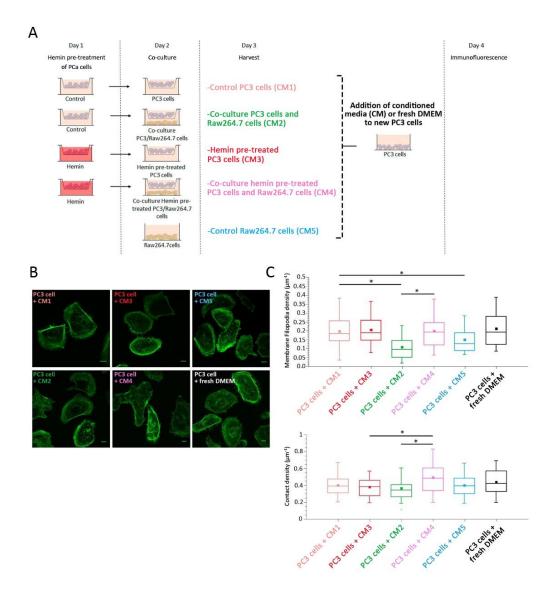


Figure S2. Analysis of cell contact density in PC3 cells cultured with conditioned media (CM) from PC3-Raw246.7 co-culture systems. PC3 cells were treated or not with hemin (50 μM, 24 h) and then co-cultured with or without Raw246.7 cells (24 h), in different compartments (insert membrane and well). CM from the different experimental conditions was then added to PC3 cells for 24 h. **(A)** Schematic representation of the experimental design. **(B)** Cells were fixed and stained with rhodamine–phalloidin and imaged by confocal microscopy to assess contact density and number of protrusions (scale bars: 10 μm). One representative image for each group is shown. **(C)** Boxplot comparing the measured filopodia density per cell for the different experimental conditions. Error bars represent standard error ($n \ge 36$ cells per condition; *p < 0.001). CM1 (pink): CM from PC3 grown alone; CM2 (green): CM from PC3-Raw246.7 co-culture; CM3 (red): CM from PC3 grown alone pretreated with hemin; CM4 (purple): CM from PC3 pre-treated with hemin and co-cultured with Raw246.7; CM5 (light blue): CM from Raw246.7 grown alone (upper panel). Boxplot comparing cell–cell contacts densities for the different experimental conditions. An intensity profile for each of these sectors was determined using a custom-made algorithm to count contacts (Matlab) ($n \ge 37$ contact regions per condition; *p < 0.001) (lower panel).