Supplemental Figure 4. Heat maps for the 5 Top Canonical Pathway networks. Increasing

IPA[®] pathway scores, which represent the negative log p-value, are depicted by increased shadowing of the rectangles of the heat map.

A Pathogen Influenced Signaling Exosomes Serum Cells -log(p-value) 0,00E00 39.8 LPS-stimulated MAPK Signaling NF-ĸB Activation by Viruses Clathrin-mediated Endocytosis Signaling IL-17 Signaling Virus Entry via Endocytic Pathways Role of Pattern Recognition Receptors in Rec... phagosome formation Toll-like Receptor Signaling

C Humeral Immune Response

C Humeral Immune Response	Serum	xosomes	Cells
NF-κB Signaling	0)		0
IL-8 Signaling			
IL-6 Signaling			
Leukocyte Extravasation Signaling			
T Cell Receptor Signaling			
NF-κB Activation by Viruses			
Dendritic Cell Maturation			
IL-3 Signaling			
Production of Nitric Oxide and Reactive Oxyg			
Clathrin-mediated Endocytosis Signaling			
Regulation of IL-2 Expression in Activated and			
Role of NFAT in Regulation of the Immune Re			
HMGB1 Signaling			
PKC0 Signaling in T Lymphocytes			
CXCR4 Signaling			
Macropinocytosis Signaling			
IL-17 Signaling			
IL-12 Signaling and Production in Macrophag			
CD28 Signaling in T Helper Cells			
GM-CSF Signaling			
Natural Killer Cell Signaling			
IL-15 Signaling			
PI3K Signaling in B Lymphocytes			
iCOS-iCOSL Signaling in T Helper Cells			
CCR3 Signaling in Eosinophils			
CD40 Signaling			
Role of Pattern Recognition Receptors in Rec			
IL-10 Signaling			

B Cellular Immune Response	ш	Exosomes	<u>s</u>
-log(p-value) 0,00E00 39,8	Serum	Exo	Cells
NF-κB Signaling			
B Cell Receptor Signaling			
Fc Epsilon RI Signaling			
Role of NFAT in Regulation of the Immune Re			
HMGB1 Signaling			
CD40 Signaling			
IL-4 Signaling			
p38 MAPK Signaling			
FcγRIIB Signaling in B Lymphocytes			
Toll-like Receptor Signaling			

D Cellular Stress Response and Injury	_	Exosomes	
-log(p-value)	Serum	(oso	Cells
0,00E00 39,8	Š	ŵ	ů
HIF1α Signaling			
HMGB1 Signaling			
NRF2-mediated Oxidative Stress Response			
Regulation of eIF4 and p70S6K Signaling			
Hypoxia Signaling in the Cardiovascular System			

E Cardiovascular Signaling	_	mes	
-log(p-value) 0,00E00 39,8	Serum	Exosomes	Cells
Renin-Angiotensin Signaling			
HIF1α Signaling			
Thrombin Signaling			
Endothelin-1 Signaling			
P2Y Purigenic Receptor Signaling Pathway			
Angiopoietin Signaling			
Nitric Oxide Signaling in the Cardiovascular S			
eNOS Signaling			
Aldosterone Signaling in Epithelial Cells			
Hypoxia Signaling in the Cardiovascular System			