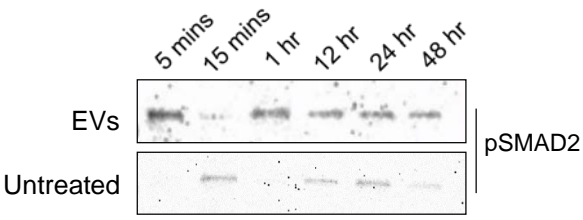


Supplementary Figure. 1



Supplementary Table 1

	Pathway ID	Pathway Description	Protein Count
1	4151	PI3K-Akt signaling pathway	13
2	5200	Pathways in cancer	12
3	4066	HIF-1 signaling pathway	10
4	5206	MicroRNAs in cancer	9
5	4060	Cytokine-cytokine receptor interaction	9
6	4640	Hematopoietic cell lineage	8
7	4064	NF-kappa B signaling pathway	8
8	4630	Jak-STAT signaling pathway	8
9	4510	Focal adhesion	8
10	4668	TNF signaling pathway	7
11	4068	FoxO signaling pathway	7
12	4380	Osteoclast differentiation	7
13	4514	Cell adhesion molecules (CAMs)	7
14	5202	Transcriptional misregulation in cancer	7
15	4660	T cell receptor signaling pathway	6
16	4620	Toll-like receptor signaling pathway	6
17	5205	Proteoglycans in cancer	6
18	4014	Ras signaling pathway	6
19	4662	B cell receptor signaling pathway	5
20	5322	Systemic lupus erythematosus	5
21	4530	Tight junction	5
22	4015	Rap1 signaling pathway	5
23	4010	MAPK signaling pathway	5
24	4672	Intestinal immune network for IgA production	4
25	4621	NOD-like receptor signaling pathway	4
26	4623	Cytosolic DNA-sensing pathway	4
27	5212	Pancreatic cancer	4
28	4917	Prolactin signaling pathway	4
29	5222	Small cell lung cancer	4
30	4110	Cell cycle	4
31	4650	Natural killer cell mediated cytotoxicity	4
32	4145	Phagosome	4
33	4062	Chemokine signaling pathway	4
34	4144	Endocytosis	4
35	20	Citrate cycle (TCA cycle)	3
36	5330	Allograft rejection	3
37	4370	VEGF signaling pathway	3
38	4115	p53 signaling pathway	3
39	4612	Antigen processing and presentation	3
40	4622	RIG-I-like receptor signaling pathway	3
41	4914	Progesterone-mediated oocyte maturation	3
42	1200	Carbon metabolism	3
43	4725	Cholinergic synapse	3
44	3440	Homologous recombination	2
45	3410	Base excision repair	2
46	5340	Primary immunodeficiency	2
47	4960	Aldosterone-regulated sodium reabsorption	2
48	5219	Bladder cancer	2

Supplementary Table 2

	Pathway ID	Cellular Component	Protein Count
1	GO.0043227	Membrane-bounded Organelle	66
2	GO.0044444	Cytoplasmic Part	47
3	GO.0031988	Membrane-bounded Vesicle	38
4	GO.0031982	Vesicle	37
5	GO.0044421	Extracellular Region Part	36
6	GO.0043233	Organelle Lumen	35
7	GO.0005576	Extracellular Region	35
8	GO.0070062	Extracellular Exosome	31
9	GO.0005829	Cytosol	30
10	GO.0005615	Extracellular Space	22
11	GO.0009986	Cell Surface	17
12	GO.0009897	External Side Of Plasma Membrane	15
13	GO.0098552	Side Of Membrane	14
14	GO.0016023	Cytoplasmic Membrane-bounded Vesicle	14
15	GO.0030141	Secretory Granule	9
16	GO.0031091	Platelet Alpha Granule	7
17	GO.0031093	Platelet Alpha Granule Lumen	6
18	GO.0045121	Membrane Raft	6
19	GO.0005604	Basement Membrane	5
20	GO.0005749	Mitochondrial Respiratory Chain Complex II (Ubiquinone)	3
21	GO.0045273	Respiratory Chain Complex II	3