

Table 3: Identified proteins in microvesicles from quiescent VSMCs

Paragon Score	%Cov(95)	Accession	Entry Name	Name	Peptides(95 %)	Biological Processes	Cellular localizatio	SecretomeP	Exocarta
8,7	42,17	P10668	COF1_PIG	Cofilin-1	6	CA	Cyt/Nucleus	Sec nc	Exo
22,23	23,57	P20305	GELS_PIG	Gelsolin (Fragment)	15	CA	Cyt	NP	
65,32	38,67	P26234	VINC_PIG	Vinculin	40	CA	Cyt	NP	Exo
58,19	52,31	P79385	MFGM_PIG	Lactadherin	48	CA	Sec	Sec nc	
2	3,325	Q2QLE3	TES_PIG	Testin	1	CA	Cyt	NP	
6,36	9,529	Q8WNW3	PLAK_PIG	Junction plakoglobin	5	CA	Membr	Sec nc	Exo
5,61	7,92	Q9GKE8	CD47_PIG	Leukocyte surface antigen CD47	3	CA	Membr	Sec nc	
30,24	23,92	Q9GLP0	ITB1_PIG	Integrin beta-1	21	CA	memb	NP	Exo
16,11	15,8	Q3ZD69	LMNA_PIG	Prelamin-A/C	7	CH	Cyt	NP	Exo
12,56	15,12	A5A8V7	HS71L_PIG	Heat shock 70 kDa protein 1-like	9	CH	Cyt	NP	Exo
18,1	15,42	O02705	HS90A_PIG	Heat shock protein HSP 90-alpha	8	CH	ER	NP	Exo
12,32	31,88	P28491	CALR_PIG	Calreticulin	5	CH	Cyt	NP	Exo
8,76	11,07	P34930	HS71A_PIG	Heat shock 70 kDa protein 1A	1	CH	Cyt	NP	Exo
2,07	3,694	P34934	HSP7X_PIG	Heat shock 70 kDa protein (Fragment)	3	CH	ER	Sec nc	
6,15	19,47	P34935	GRP78_PIG	78 kDa glucose-regulated protein (Fragment)	11	CH	Sec	NP	Exo
14,6	60,97	P62936	PPIA_PIG	Peptidyl-prolyl cis-trans isomerase A	4	CH	Cyt	Sec nc	Exo
8,6	8,398	Q04967	HSP76_PIG	Heat shock 70 kDa protein 6	10	CH	ER	Sec c	
18,33	13,8	Q29092	ENPL_PIG	Endoplasmin	6	CH	Cyt	NP	Exo
10,82	13,09	Q6S4N2	HS71B_PIG	Heat shock 70 kDa protein 1B	8	CH	Cyt/Nucleus	Sec nc	
11,92	42,86	Q7M2W6	CRYAB_PIG	Alpha-crystallin B chain	1	CH/MP	Sec/Nucleus	Sec nc	Exo
2,77	12,38	P82460	THIO_PIG	Thioredoxin	11	CH/MP	Cyt/Nucleus	Sec nc	Exo
18,08	75,36	Q5S1U1	HSPB1_PIG	Heat shock protein beta-1	3	CS	Cyt	Sec nc	
4,34	18,42	P04574	CPNS1_PIG	Calpain small subunit 1	1	CS	Membr	NP	
2,03	1,403	P12675	ICAL_PIG	Calpastatin	2	CS	Cyt	NP	
2,02	3,167	P27594	MX1_PIG	Interferon-induced GTP-binding protein Mx1	1	CS	Membr	Sec nc	
2,32	2,771	P29797	GNAS_PIG	Guanine nucleotide-binding protein G(s) subunit alpha	3	CS	Membr	Sec c	Exo
6,02	6,738	P37176	EGLN_PIG	Endoglin	3	CS	Membr	Sec nc	
5,52	21,46	Q007T2	CDC42_PIG	Cell division control protein 42 homolog	3	CS	Golgi	Sec nc	
6,31	18,52	Q2MJK3	RASN_PIG	GTPase NRas	2	CS	Nucleus	NP	
1,73	7,799	Q2PKF4	GNAQ_PIG	Guanine nucleotide-binding protein G(q) subunit alpha	1	CS	Membr	NP	Exo
1,18	4,177	Q2XSV9	GNA11_PIG	Guanine nucleotide-binding protein subunit alpha-11	9	CS	Nucleus	NP	
4,41	17,98	Q6RVA9	CAV1_PIG	Caveolin-1	3	CS	Golgi	Sec nc	Exo
2	5,606	Q8MJ49	OSTF1_PIG	steoclast-stimulating factor 1	1	CS	Cyt	Sec nc	Exo
2,01	2,604	Q95266	KCC2D_PIG	Calcium/calmodulin-dependent protein kinase type II subunit delta	1	CS	Membr	Sec nc	

19,59	15,78	P26044	RADI_PIG	Radixin	27	Cyt Org	Cyt	Sec nc	
4	9,79	Q29221	CAZA2_PIG	F-actin-capping protein subunit alpha-2	10	Cyt Org	Membr	NP	Exo
4,11	61,36	Q95274	TYB4_PIG	Thymosin beta-4	7	Cyt Org	Cyt	Sec nc	
2,04	17,71	P04163	S10AA_PIG	Protein S100-A10	7	Cyt Org	Cyt	NP	
37,11	44,8	P02540	DESM_PIG	Desmin	8	Cyt Org	Cyt	NP	Exo
12,3	50,58	P29269	MYL9_PIG	Myosin regulatory light polypeptide 9	2	Cyt Org	Cyt	NP	Exo
14	50,98	P60662	MYL6_PIG	Myosin light polypeptide 6	6	Cyt Org	Cyt	Sec nc	
18,13	32,65	P67937	TPM4_PIG	Tropomyosin alpha-4 chain	2	Cyt Org	Cyt	NP	
3,2	27,68	P81271	MYH11_PIG	Myosin-11 (Fragments)	2	Cyt Org	Cyt	Sec nc	
10,13	24,92	Q08092	CNN1_PIG	Calponin-1	1	Cyt Org/Vtraf	Membr	NP	Exo
1,79	6,859	A0PFK7	CAPZB_PIG	F-actin-capping protein subunit beta	2	CytOrg	Cyt	Sec nc	
110,95	79,61	P02543	VIME_PIG	Vimentin	80	CytOrg	Cyt	Sec nc	Exo
20,15	36,59	P02550	TBA1A_PIG	Tubulin alpha-1A chain	16	CytOrg	Cyt	NP	Exo
45,46	67,64	P02554	TBB_PIG	Tubulin beta chain	35	CytOrg	Cyt	Sec nc	Exo
41,28	33,97	P26042	MOES_PIG	Moesin	24	CytOrg	Cyt	Sec nc	Exo
23,03	31,34	P42639	TPM1_PIG	Tropomyosin alpha-1 chain	11	CytOrg	Cyt	Sec nc	Exo
61,45	64,19	P68137	ACTS_PIG	Actin, alpha skeletal muscle	60	CytOrg	Cyt	Sec nc	Exo
26,32	47	Q2XVP4	TBA1B_PIG	Tubulin alpha-1B chain	19	CytOrg	Cyt	NP	Exo
4,6	15,96	Q56P28	PRAF3_PIG	PRA1 family protein 3	3	CytOrg	ER	NP	
68,75	69,06	Q6QAQ1	ACTB_PIG	Actin, cytoplasmic 1	55	CytOrg	Cyt	NP	Exo
46,62	70,49	Q767L7	TBB5_PIG	Tubulin beta chain	36	CytOrg	Cyt	Sec nc	Exo
1,31	1,603	O02668	ITIH2_PIG	Inter-alpha-trypsin inhibitor heavy chain H2	1	ECM & rel	Sec	Sec c	Exo
44,5	31,45	P15145	AMPN_PIG	Aminopeptidase N	25	ECM & rel	Membr	sec c	
7,94	37,77	Q49I35	LEG1_PIG	Galectin-1	4	ECM & rel	ECM	NP	
3,86	7,353	Q9GKQ6	PGS1_PIG	Biglycan (Fragments)	2	ECM & rel	ECM	Sec c	Exo
3,48	16,32	Q9TTB4	FMOD_PIG	Fibromodulin (Fragment)	2	ECM & rel	ECM	Sec nc	
0,84	6,617	A1XQU5	RL27_PIG	60S ribosomal protein L27	1	HK	Cyt	Sec nc	Exo
1,46	3,892	A6M931	IF4A3_PIG	Eukaryotic initiation factor 4A-III	1	HK	Nucleus	Sec nc	Exo
14,48	11,56	D2WKD8	AT1A2_PIG	Sodium/potassium-transporting ATPase subunit alpha-2	8	HK	Membr	Sec nc	
41,14	20,96	P05024	AT1A1_PIG	Sodium/potassium-transporting ATPase subunit alpha-1	20	HK	Membr	Sec nc	
4	11,87	P05027	AT1B1_PIG	Sodium/potassium-transporting ATPase subunit beta-1	2	HK	Membr	Sec nc	
6,81	52,53	P0CG68	UBC_PIG	Polyubiquitin-C	4	HK	Cyt/Nucleus	NP	
2	6,695	P29412	EF1B_PIG	Elongation factor 1-beta	1	HK	Cyt	NP	Exo
2,15	6,061	P46405	RS12_PIG	40S ribosomal protein S12	1	HK	Cyt	Sec nc	
4,9	29,12	P62802	H4_PIG	Histone H4	3	HK	Nucleus	NP	Exo
2,34	14,29	P62831	RL23_PIG	60S ribosomal protein L23	1	HK	Nucleus	Sec nc	
1,04	16,94	P62863	RS30_PIG	40S ribosomal protein S30	1	HK	Cyt	Sec nc	
6,5	32,03	P63053	RL40_PIG	Ubiquitin-60S ribosomal protein L40	4	HK	Cyt	Sec nc	

1,14	3,965	P79381	HYEP_PIG	Epoxide hydrolase 1	1	HK	ER	Sec c	Exo
3,06	10,7	Q0Z8U2	RS3_PIG	40S ribosomal protein S3	2	HK	Cyt	NP	
2	10,89	Q29187	RL4_PIG	60S ribosomal protein L4 (Fragment)	1	HK	Cyt	NP	
3,3	14,38	Q29201	RS16_PIG	40S ribosomal protein S16	2	HK	Cyt	Sec nc	
2,02	3,458	Q29214	RLA0_PIG	60S acidic ribosomal protein P0	1	HK	Cyt/Nucleus	NP	
2	5,982	Q29223	RL34_PIG	60S ribosomal protein L34	1	HK	Cyt	Sec nc	
6	26,96	Q29315	RLA2_PIG	60S acidic ribosomal protein P2	3	HK	Cyt	NP	
10,2	35,08	Q29371	TPIS_PIG	Triosephosphate isomerase	8	HK	Mito	NP	Exo
0,9	2,505	Q29381	OST48_PIG	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	1	HK	ER	NP	
4,48	7,745	Q2YGT9	RL6_PIG	60S ribosomal protein L6	2	HK	Cyt	NP	
4,01	18,63	Q4GWZ2	RSSA_PIG	40S ribosomal protein SA	3	HK	Cyt	Sec nc	
2	17,38	Q6QAT1	RS28_PIG	40S ribosomal protein S28	1	HK	Cyt	Sec nc	
6,02	5,152	Q764M5	STAT1_PIG	Signal transducer and activator of transcription 1	3	HK	Cyt/Nucleus	NP	Exo
2	11,24	Q95281	RL29_PIG	60S ribosomal protein L29	1	HK	Cyt	NP	Exo
2	9,615	Q95342	RL18_PIG	60S ribosomal protein L18 (Fragment)	1	HK	Cyt	Sec nc	
0,98	1,974	Q9GMB0	RPN1_PIG	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	1	HK	ER	NP	
3,38	9,803	Q9MYU4	ENTP1_PIG	Ectonucleoside triphosphate diphosphohydrolase 1	2	HK	Membr	Sec nc	Exo
17,22	28,83	P00355	G3P_PIG	Glyceraldehyde-3-phosphate dehydrogenase	8	HK/MP	Cyt/Nucleus	Sec nc	
2,54	32,03	P04178	SODC_PIG	Superoxide dismutase [Cu-Zn]	3	HK/MP	Mito/Cyt	Sec nc	Exo
1,04	2,216	P20303	GTR1_PIG	Solute carrier family 2, facilitated glucose transporter member 1 (Fragment)	1	HK/MP	Membr	NP	Exo
12,18	7,049	P23220	AT2B1_PIG	Plasma membrane calcium-transporting ATPase 1	7	HK/MP	Membr	NP	
4,62	22,05	P52552	PRDX2_PIG	Peroxiredoxin-2 (Fragment)	4	HK/MP	Cyt	Sec nc	
8,16	17,5	Q1KYT0	ENOB_PIG	Beta-enolase	4	HK/MP	Cyt	NP	Exo
2,95	16,88	Q29596	ATPA2_PIG	ATP synthase subunit alpha liver isoform, mitochondrial (Fragment)	2	HK/MP	Mito	Sec nc	
8,92	10,5	A5GFY8	SERA_PIG	D-3-phosphoglycerate dehydrogenase	5	MP	Cyt	NP	Exo
8,3	14,46	P00339	LDHA_PIG	L-lactate dehydrogenase A chain	4	MP	Cyt	Sec nc	
6,83	18,34	P00346	MDHM_PIG	Malate dehydrogenase, mitochondrial	4	MP	Mito	Sec nc	Exo
2	1,94	P00889	CISY_PIG	Citrate synthase, mitochondrial	1	MP	Mito	Sec nc	
2	3,593	P11708	MDHC_PIG	Malate dehydrogenase, cytoplasmic	1	MP	Cyt	NP	
0,86	3,799	P33198	IDHP_PIG	Isocitrate dehydrogenase [NADP], mitochondrial (Fragment)	1	MP	Mito	NP	
2,52	1,589	P79403	GANAB_PIG	Neutral alpha-glucosidase AB	1	MP	Golgi	Sec c	
6,42	16,53	P83686	NB5R3_PIG	NADH-cytochrome b5 reductase 3 (Fragment)	4	MP	ER	NP	
2	7,379	Q6PQZ1	AQP1_PIG	Aquaporin-1	1	MP	Membr	Sec c	Exo
8,79	16,06	Q7SIB7	PGK1_PIG	Phosphoglycerate kinase 1	4	MP	Cyt	NP	Exo
4,01	7,483	Q9MZ15	VDAC2_PIG	Voltage-dependent anion-selective channel protein 2	2	MP	Mito	NP	Exo

4,13	8,481	Q9MZ16	VDAC1_PIG	Voltage-dependent anion-selective channel protein 1	3	MP	Mito	NP	Exo
1,56	3,077	Q9N0F1	ODO2_PIG	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	1	MP	Mito	Sec nc	
2,09	2,576	Q767L6	FLOT1_PIG	Flotillin-1	1	Vtra/CS	Membr	NP	Exo
1,84	4,938	A5GFS8	VAPB_PIG	Vesicle-associated membrane protein-associated protein B	1	Vtraf	ER	NP	
5,95	7,816	P03974	TERA_PIG	Transitional endoplasmic reticulum ATPase	4	Vtraf	Cyt/Nucleus	NP	
7,07	14,11	P08132	ANXA4_PIG	Annexin A4	4	Vtraf	Membr	NP	Exo
41,64	53,75	P19619	ANXA1_PIG	Annexin A1	26	Vtraf	Cyt/Nucleus	Sec nc	Exo
56,47	71,09	P19620	ANXA2_PIG	Annexin A2	45	Vtraf	ECM	Sec nc	Exo
2	6,556	Q06AU2	RAP2A_PIG	Ras-related protein Rap-2a	1	Vtraf	Golgi	Sec nc	Exo
4,31	18,9	Q06AU7	RAB1B_PIG	Ras-related protein Rab-1B	3	Vtraf	Membr	NP	Exo
4,23	8,115	Q29101	CXA1_PIG	Gap junction alpha-1 protein	2	Vtraf	Membr	NP	
2,17	5,093	Q52NJ1	RB11A_PIG	Ras-related protein Rab-11A	1	Vtraf	Membr	Sec nc	Exo
5,53	26,82	Q52NJ2	RAB1A_PIG	Ras-related protein Rab-1A	4	Vtraf	Golgi	NP	Exo
3,26	25,58	Q52NJ6	RAB14_PIG	Ras-related protein Rab-14	3	Vtraf	Golgi	NP	Exo
6,2	9,437	Q6Q7J2	GDIB_PIG	Rab GDP dissociation inhibitor beta	3	Vtraf	Cyt	NP	
4,29	24,81	P01965	HBA_PIG	Hemoglobin subunit alpha	3		Plasma	NP	
2,11	6,383	P02009	HBAZ_PIG	Hemoglobin subunit zeta	1		Plasma	NP	
4	14,97	P02067	HBB_PIG	Hemoglobin subunit beta	2		Plasma	NP	
2	6,802	P02101	HBE_PIG	Hemoglobin subunit epsilon	1		Plasma	NP	
2	6,848	P04246	HBT_PIG	Hemoglobin subunit theta	1		Plasma	NP	
9,59	7,413	P08835	ALBU_PIG	Serum albumin	8		Plasma	Sec c	
4,07	9,433	P18648	APOA1_PIG	Apolipoprotein A-I	2		Plasma	Sec c	
2,01	3,088	P50447	A1AT_PIG	Alpha-1-antitrypsin	1		Sec	Sec c	
3,68	16,94	Q07717	B2MG_PIG	Beta-2-microglobulin	3		Sec	Sec c	Exo
7,32	9,416	Q29549	CLUS_PIG	Clusterin	4		ECM	Sec c	Exo