

Table 4: Identified proteins in microvesicles from activated VSMCs

| Paragon Score | %Cov(95) | Accession | Entry Name | Name | Peptides(95%) | Biological Processes | Cellular localizatio | SecretomeP | Exocarta |
|---------------|----------|-----------|------------|---|---------------|----------------------|----------------------|------------|----------|
| 10 | 50,59 | P10668 | COF1_PIG | Cofilin-1 | 5 | CA | Cyt /Nucleus | Sec nc | Exo |
| 36,41 | 19,82 | P26234 | VINC_PIG | Vinculin | 20 | CA | Cyt /Membr | NP | Exo |
| 29,45 | 36,91 | P79385 | MFGM_PIG | Lactadherin | 15 | CA | Sec/Membr | Sec nc | |
| 2 | 4,619 | Q9GKE8 | CD47_PIG | Leukocyte surface antigen CD47 | 1 | CA | Membr | Sec nc | |
| 24,29 | 19,05 | Q9GLP0 | ITB1_PIG | Integrin beta-1 | 18 | CA | memb | NP | Exo |
| 2,96 | 3,432 | A5A8V7 | HS71L_PIG | Heat shock 70 kDa protein 1-like | 2 | CH | Cyt | NP | Exo |
| 10,69 | 24,94 | P28491 | CALR_PIG | Calreticulin | 7 | CH | ER | NP | Exo |
| 6,33 | 18,7 | P34935 | GRP78_PIG | 78 kDa glucose-regulated protein (Fragment) | 4 | CH | ER | Sec nc | |
| 8,01 | 43,9 | P62936 | PPIA_PIG | Peptidyl-prolyl cis-trans isomerase A | 5 | CH | Sec | NP | Exo |
| 7,75 | 6,965 | Q29092 | ENPL_PIG | Endoplasmic reticulum protein | 4 | CH | ER | Sec c | |
| 2,01 | 2,991 | B6CVD7 | ERO1A_PIG | ER 1-like protein alpha | 1 | CH/MP | ER | Sec c | Exo |
| 2 | 12,38 | P82460 | THIO_PIG | Thioredoxin | 1 | CH/MP | Sec/Nucleus | Sec nc | Exo |
| 8,04 | 20,76 | Q5S1U1 | HSPB1_PIG | Heat shock protein beta-1 | 4 | CH/MP | Cyt /Nucleus | Sec nc | Exo |
| 1,44 | 2,771 | P29797 | GNAS_PIG | Guanine nucleotide-binding protein G(s) subunit alpha | 1 | CS | Membr | Sec nc | |
| 1,49 | 2,449 | P37176 | EGLN_PIG | Endoglin | 1 | CS | Membr | Sec c | Exo |
| 2 | 8,901 | Q007T2 | CDC42_PIG | Cell division control protein 42 homolog | 1 | CS | Membr | Sec nc | |
| 2,03 | 4,493 | Q6RVA9 | CAV1_PIG | Caveolin-1 | 1 | CS | Golgi | Sec nc | Exo |
| 1,28 | 6,859 | A0PFK7 | CAPZB_PIG | F-actin-capping protein subunit beta | 2 | Cyt Org | Cyt | Sec nc | |
| 16,36 | 25,69 | P02540 | DESM_PIG | Desmin | 17 | Cyt Org | Cyt | Sec nc | |
| 82,65 | 74,88 | P02543 | VIME_PIG | Vimentin | 61 | Cyt Org | Cyt | Sec nc | Exo |
| 14,52 | 28,09 | P02554 | TBB_PIG | Tubulin beta chain | 8 | Cyt Org | Cyt | Sec nc | Exo |
| 2 | 30,95 | P21753 | TYB10_PIG | Thymosin beta-10 | 1 | Cyt Org | Cyt | Sec nc | |
| 22,5 | 17,49 | P26042 | MOES_PIG | Moesin | 13 | Cyt Org | Cyt /Membr | Sec nc | Exo |
| 6 | 22,66 | P29269 | MYL9_PIG | Myosin regulatory light | 3 | Cyt Org | Cyt | Sec nc | |

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|-------|-------|--------|-----------|--|----|-----------|--------------|--------|-----|
| | | | | polypeptide 9 | | | | | |
| 17,6 | 32,39 | P42639 | TPM1_PIG | Tropomyosin alpha-1 chain | 10 | Cyt Org | Cyt | Sec nc | Exo |
| 12,01 | 50,98 | P60662 | MYL6_PIG | Myosin light polypeptide 6 | 7 | Cyt Org | Cyt | NP | |
| 15,69 | 40,72 | P67937 | TPM4_PIG | Tropomyosin alpha-4 chain | 9 | Cyt Org | Cyt | NP | Exo |
| 38,26 | 53,04 | P68137 | ACTS_PIG | Actin, alpha skeletal muscle | 40 | Cyt Org | Cyt | Sec nc | Exo |
| 2 | 4,713 | Q08092 | CNN1_PIG | Calponin-1 | 1 | Cyt Org | Cyt | Sec nc | |
| 2 | 3,497 | Q29221 | CAZA2_PIG | F-actin-capping protein subunit alpha-2 | 1 | Cyt Org | Cyt | NP | |
| 6,02 | 16,62 | Q2XVP4 | TBA1B_PIG | Tubulin alpha-1B chain | 5 | Cyt Org | Cyt | NP | Exo |
| 35,76 | 47,99 | Q6QAQ1 | ACTB_PIG | Actin, cytoplasmic 1 | 37 | Cyt Org | Cyt | NP | Exo |
| 16,68 | 31,52 | Q767L7 | TBB5_PIG | Tubulin beta chain | 9 | Cyt Org | Cyt | Sec nc | Exo |
| 2,21 | 31,81 | Q95274 | TYB4_PIG | Thymosin beta-4 | 1 | Cyt Org | Cyt | Sec nc | |
| 4,74 | 5,026 | O02668 | ITIH2_PIG | Inter-alpha-trypsin inhibitor heavy chain H2 | 5 | ECM & rel | Sec | Sec c | Exo |
| 10,04 | 5,296 | P15145 | AMPN_PIG | Aminopeptidase N | 5 | ECM & rel | Membr | sec c | |
| 3,49 | 14 | P20112 | SPRC_PIG | SPARC | 3 | ECM & rel | ECM/Sec | Sec c | Exo |
| 6 | 35,55 | Q49I35 | LEG1_PIG | Galectin-1 | 4 | ECM & rel | ECM | NP | |
| 8,01 | 7,647 | D2WKD8 | AT1A2_PIG | Sodium/potassium-transporting ATPase subunit alpha-2 | 5 | HK | Membr | Sec nc | |
| 28,64 | 15,18 | P05024 | AT1A1_PIG | Sodium/potassium-transporting ATPase subunit alpha-1 | 15 | HK | Membr | Sec nc | |
| 4 | 35,64 | P0CG68 | UBC_PIG | Polyubiquitin-C | 2 | HK | Cyt /Nucleus | NP | |
| 2,38 | 25 | P46405 | RS12_PIG | 40S ribosomal protein S12 | 2 | HK | Cyt | Sec nc | |
| 4 | 22,66 | P63053 | RL40_PIG | Ubiquitin-60S ribosomal protein L40 | 2 | HK | Cyt /Nucleus | Sec nc | |
| 4 | 26,96 | Q29315 | RLA2_PIG | 60S acidic ribosomal protein P2 | 3 | HK | Cyt | NP | |
| 4,02 | 11,28 | Q29371 | TPIS_PIG | Triosephosphate isomerase | 2 | HK | Mito | NP | Exo |
| 0,46 | 0,913 | A8I499 | CTR2_PIG | Low affinity cationic amino acid transporter 2 | 1 | HK/MP | Membr | Sec nc | |
| 6,13 | 12,9 | P00355 | G3P_PIG | Glyceraldehyde-3-phosphate dehydrogenase | 4 | HK/MP | Cyt /Nucleus | Sec nc | |

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|-------|-------|--------|-----------|--|----|---------|--------------|--------|-----|
| 10,27 | 16,58 | P20303 | GTR1_PIG | Solute carrier family 2, facilitated glucose transporter member 1 (Fragment) | 7 | HK/MP | Membr | NP | Exo |
| 1,78 | 2,13 | P23220 | AT2B1_PIG | Plasma membrane calcium-transporting ATPase 1 | 2 | HK/MP | Membr | NP | |
| 6,01 | 10,59 | Q1KYT0 | ENOB_PIG | Beta-enolase | 3 | HK/MP | Cyt | NP | Exo |
| 2 | 2,993 | P00336 | LDHB_PIG | L-lactate dehydrogenase B chain | 1 | MP | Cyt | Sec nc | |
| 2,01 | 3,012 | P00339 | LDHA_PIG | L-lactate dehydrogenase A chain | 1 | MP | Cyt | Sec nc | |
| 0,35 | 4,411 | P83686 | NB5R3_PIG | NADH-cytochrome b5 reductase 3 (Fragment) | 1 | MP | ER | NP | |
| 4,31 | 10,94 | Q9MZ16 | VDAC1_PIG | Voltage-dependent anion-selective channel protein 1 | 3 | MP | Mito | NP | Exo |
| 2 | 2,576 | Q767L6 | FLOT1_PIG | Flotillin-1 | 1 | Vtra/CS | Membr | NP | Exo |
| 1,34 | 6,897 | P08132 | ANXA4_PIG | Annexin A4 | 2 | Vtraf | Membr | NP | Exo |
| 26,4 | 39,87 | P19619 | ANXA1_PIG | Annexin A1 | 16 | Vtraf | Cyt /Nucleus | Sec nc | Exo |
| 36,32 | 54,28 | P19620 | ANXA2_PIG | Annexin A2 | 22 | Vtraf | ECM/Sec | Sec nc | Exo |
| 2,01 | 4,188 | Q29101 | CXA1_PIG | Gap junction alpha-1 protein | 1 | Vtraf | Membr | NP | |
| 2,13 | 2,472 | Q6Q7J2 | GDIB_PIG | Rab GDP dissociation inhibitor beta | 1 | Vtraf | Cyt /Membr | NP | |
| 4,05 | 15,6 | P01965 | HBA_PIG | Hemoglobin subunit alpha | 2 | | Plasma | NP | |
| 4 | 14,29 | 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 | |
| 27,14 | 25,36 | P08835 | ALBU_PIG | Serum albumin | 40 | | Plasma | Sec c | |
| 18,23 | 11,34 | P09571 | TRFE_PIG | Serotransferrin | 14 | | Sec | Sec nc | |
| 12,01 | 20,37 | P18648 | APOA1_PIG | Apolipoprotein A-I | 6 | | Plasma | Sec c | |
| 2,01 | 2,838 | P18650 | APOE_PIG | Apolipoprotein E | 1 | | Sec | Sec c | |
| 2,84 | 11,4 | P50447 | A1AT_PIG | Alpha-1-antitrypsin | 6 | | Sec | Sec c | |
| 2 | 5,156 | Q29549 | CLUS_PIG | Clusterin | 2 | | ECM | Sec c | Exo |
| 13,89 | 13,77 | Q8MJ76 | FETA_PIG | Alpha-fetoprotein | 14 | | Plasma | Sec c | |
| 7,86 | 3,675 | Q9GLP1 | FA5_PIG | Coagulation factor V | 6 | | Sec | Sec c | |