

Table 1: Identified proteins in apoptotic bodies from quiescent VSMCs

Paragon Score	%Cov(95)	Accession	Entry Name	Name	Peptides(95%)
125,52	85,18	P02543	VIME_PIG	Vimentin	108
85,04	79,72	Q6QAAQ1	ACTB_PIG	Actin, cytoplasmic 1	75
58,32	70,95	Q767L7	TBB5_PIG	Tubulin beta chain	49
60,17	59,45	P02540	DESM_PIG	Desmin	38
41,88	31,58	Q29092	ENPL_PIG	Endoplasmin	21
40,15	34,49	Q3ZD69	LMNA_PIG	Prelamin-A/C	20
40	64,01	P19620	ANXA2_PIG	Annexin A2	22
80	74,01	P68137	ACTS_PIG	Actin, alpha skeletal muscle	91
36,78	21,5	P26234	VINC_PIG	Vinculin	18
33,48	18,41	P05024	AT1A1_PIG	Sodium/potassium-transporting ATPase subunit alpha-1	16
29,22	48,55	Q2XVP4	TBA1B_PIG	Tubulin alpha-1B chain	32
27,55	75,36	Q5S1U1	HSPB1_PIG	Heat shock protein beta-1	19
27,16	53,75	P00355	G3P_PIG	Glyceraldehyde-3-phosphate dehydrogenase	16
26,9	25,9	P20305	GELS_PIG	Gelsolin (Fragment)	18
25,51	43,54	P67937	TPM4_PIG	Tropomyosin alpha-4 chain	13
24,37	34,74	Q29549	CLUS_PIG	Clusterin	12
24,1	31,54	P79385	MFGM_PIG	Lactadherin	13
22,33	42,21	P28491	CALR_PIG	Calreticulin	14
22,2	22,04	Q9GMB0	RPN1_PIG	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	12
22,09	17,91	Q9GLP0	ITB1_PIG	Integrin beta-1	15
22,08	50,16	Q08092	CNN1_PIG	Calponin-1	14
20,73	17,03	P16276	ACON_PIG	Aconitate hydratase, mitochondrial	10
20,63	46,14	P00346	MDHM_PIG	Malate dehydrogenase, mitochondrial	12
20,07	34,67	P19619	ANXA1_PIG	Annexin A1	11
19,09	50,98	P60662	MYL6_PIG	Myosin light polypeptide 6	16
18,7	11,64	P79403	GANAB_PIG	Neutral alpha-glucosidase AB	9
17,22	44,11	P83686	NB5R3_PIG	NADH-cytochrome b5 reductase 3 (Fragment)	11
15,92	62,2	P29269	MYL9_PIG	Myosin regulatory light polypeptide 9	13
15,67	15,06	P15145	AMPN_PIG	Aminopeptidase N	9
24,29	35,92	P42639	TPM1_PIG	Tropomyosin alpha-1 chain	16
14,87	28,87	Q2YGT9	RL6_PIG	60S ribosomal protein L6	9
14,51	23,04	Q95266	KCC2D_PIG	Calcium/calmodulin-dependent protein kinase type II subunit delta	7
14,41	14,39	Q764M5	STAT1_PIG	Signal transducer and activator of transcription 1	8
14,31	8,428	B2DCZ9	ARHG2_PIG	Rho guanine nucleotide exchange factor 2	7
14,17	22,13	A5GFY8	SERA_PIG	D-3-phosphoglycerate dehydrogenase	9
12,06	50,6	P62936	PPIA_PIG	Peptidyl-prolyl cis-trans isomerase A	7
13,37	49,14	Q7M2W6	CRYAB_PIG	Alpha-crystallin B chain	9
12	24,15	Q9MZ15	VDAC2_PIG	Voltage-dependent anion-selective channel protein 2	6
11,85	18,52	P33198	IDHP_PIG	Isocitrate dehydrogenase [NADP], mitochondrial (Fragment)	6
11,26	42,71	P62802	H4_PIG	Histone H4	7
11,13	10,49	O02705	HS90A_PIG	Heat shock protein HSP 90-alpha	6
10,64	32,89	P62272	RS18_PIG	40S ribosomal protein S18	6
10,55	12,79	A5A8V7	HS71L_PIG	Heat shock 70 kDa protein 1-like	9
10,07	12,28	P03974	TERA_PIG	Transitional endoplasmic reticulum ATPase	5

10,04	33,32	Q06AU7	RAB1B_PIG	Ras-related protein Rab-1B	5
10,02	5	P23220	AT2B1_PIG	Plasma membrane calcium-transporting ATPase 1	6
10,02	13,58	P00889	CISY_PIG	Citrate synthase, mitochondrial	6
9,32	26,15	Q9MZ16	VDAC1_PIG	Voltage-dependent anion-selective channel protein 1	6
9,16	20,2	Q56P28	PRAF3_PIG	PRA1 family protein 3	5
8,3	37,2	Q5S3G4	COX5B_PIG	Cytochrome c oxidase subunit 5B, mitochondrial	5
8,11	5,181	P11607	AT2A2_PIG	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	4
56,33	70,56	P02554	TBB_PIG	Tubulin beta chain	47
8,01	31,25	P63053	RL40_PIG	Ubiquitin-60S ribosomal protein L40	4
8	52,53	P0CG68	UBC_PIG	Polyubiquitin-C	4
8	18,79	O19069	SUCA_PIG	Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial	4
8	37,77	Q49I35	LEG1_PIG	Galectin-1	5
7,89	26,33	Q0Z8U2	RS3_PIG	40S ribosomal protein S3	5
7,82	15,57	P00506	AATM_PIG	Aspartate aminotransferase, mitochondrial	5
7,86	22,9	P34935	GRP78_PIG	78 kDa glucose-regulated protein (Fragment)	5
7,48	17,45	Q6QRN9	ADT3_PIG	ADP/ATP translocase 3	5
7,36	16,85	Q6UAQ8	ETFB_PIG	Electron transfer flavoprotein subunit beta	4
7,35	26,64	Q29195	RL10_PIG	60S ribosomal protein L10	5
7,19	31,92	P10668	COF1_PIG	Cofilin-1	4
7,15	9,856	Q9GL01	RPN2_PIG	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	4
6,95	7,994	Q29554	ECHA_PIG	Trifunctional enzyme subunit alpha, mitochondrial	4
6,8	29,78	Q6RVA9	CAV1_PIG	Caveolin-1	4
6,64	15,97	Q95250	PGRC1_PIG	Membrane-associated progesterone receptor component 1	4
6,61	37,11	P46405	RS12_PIG	40S ribosomal protein S12	4
6,54	10,54	Q9N0F1	ODO2_PIG	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	4
6,45	26,96	Q29315	RLA2_PIG	60S acidic ribosomal protein P2	4
6,42	9,878	P26042	MOES_PIG	Moesin	5
6,32	12,77	P09623	DLDH_PIG	Dihydrolipoyl dehydrogenase, mitochondrial	4
6,15	22,68	A1XQU9	RS20_PIG	40S ribosomal protein S20	3
6,13	6,26	P08835	ALBU_PIG	Serum albumin	4
6,08	17,31	P10775	RINI_PIG	Ribonuclease inhibitor	5
6,04	7,582	P06348	H1T_PIG	Histone H1t	4
6,04	18,05	P04574	CPNS1_PIG	Calpain small subunit 1	3
6,02	36,05	Q9TTB4	FMOD_PIG	Fibromodulin (Fragment)	3
6	16,89	Q2EN81	ATPO_PIG	ATP synthase subunit, mitochondrial	3
5,92	19,85	Q29201	RS16_PIG	40S ribosomal protein S16	3
5,73	8,433	Q0QF01	DHSA_PIG	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	3
5,66	14,71	Q9GKQ6	PGS1_PIG	Biglycan (Fragments)	3
5,16	16,17	Q71LE2	H33_PIG	Histone H3.3	3
5,08	11,77	P53590	SUCB2_PIG	Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial (Fragment)	5
4,96	30,41	Q29596	ATPA2_PIG	ATP synthase subunit alpha liver isoform, mitochondrial (Fragment)	3
4,86	50,77	P81271	MYH11_PIG	Myosin-11 (Fragments)	4
4,8	15,63	A5GFS8	VAPB_PIG	Vesicle-associated membrane protein-associated	3

				protein B	
4,77	14,79	O77735	SCAM1_PIG	Secretory carrier-associated membrane protein 1	3
4,62	15,33	P20112	SPRC_PIG	SPARC	4
4,53	7,129	Q19PY3	RTCB_PIG	tRNA-splicing ligase RtcB homolog	3
4,5	14,32	P00348	HCDH_PIG	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	3
4,45	6,897	P08132	ANXA4_PIG	Annexin A4	2
4,42	25,69	P28768	SODM_PIG	Superoxide dismutase [Mn], mitochondrial (Fragment)	3
4,33	12,86	Q007T0	DHSB_PIG	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	3
4,14	9,217	Q1KYT0	ENOB_PIG	Beta-enolase	3
4,13	19,6	P79324	RL15_PIG	60S ribosomal protein L15 (Fragment)	2
4,02	6,604	Q29214	RLA0_PIG	60S acidic ribosomal protein P0	2
4,01	5,581	P27594	MX1_PIG	Interferon-induced GTP-binding protein Mx1	2
4,01	4,555	Q29381	OST48_PIG	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	2
4	14,19	Q08094	CNN2_PIG	Calponin-2 (Fragment)	3
4	9,79	Q29221	CAZA2_PIG	F-actin-capping protein subunit alpha-2	2
4	22,12	Q95342	RL18_PIG	60S ribosomal protein L18 (Fragment)	2
3,85	22,85	P82460	THIO_PIG	Thioredoxin	2
3,77	27,27	Q95339	ATPK_PIG	ATP synthase subunit f, mitochondrial	2
3,76	9,433	P18648	APOA1_PIG	Apolipoprotein A-I	2
3,7	2,834	Q1W674	HXK2_PIG	Hexokinase-2	3
3,59	12,56	Q06AU2	RAP2A_PIG	Ras-related protein Rap-2a	2
3,54	40	Q6QAP7	RS17_PIG	40S ribosomal protein S17	4
3,13	13,96	A1XQU5	RL27_PIG	60S ribosomal protein L27	2
3,13	34,58	P62279	RS13_PIG	40S ribosomal protein S13 (Fragment)	3
3,03	9,336	P00339	LDHA_PIG	L-lactate dehydrogenase A chain	3
2	2,993	P00336	LDHB_PIG	L-lactate dehydrogenase B chain	1
3,01	4,65	P79274	ACADL_PIG	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	2
2,9	18,63	Q07717	B2MG_PIG	Beta-2-microglobulin	2
2,86	13,86	Q95307	RL13A_PIG	60S ribosomal protein L13a (Fragment)	2
2,78	7,118	Q4GWZ2	RSSA_PIG	40S ribosomal protein SA	2
2,7	11,68	Q29371	TPIS_PIG	Triosephosphate isomerase	2
2,67	5,696	P24853	IBP2_PIG	Insulin-like growth factor-binding protein 2	2
2,52	8,878	Q8MJ49	OSTF1_PIG	osteoclast-stimulating factor 1	2
2,51	8,405	P00795	CATD_PIG	Cathepsin D	2
2,3	4,619	Q9GKE8	CD47_PIG	Leukocyte surface antigen CD47	1
2,28	5,324	Q29387	EF1G_PIG	Elongation factor 1-gamma (Fragment)	1
2,25	10,54	Q7SIB7	PGK1_PIG	Phosphoglycerate kinase 1	3
2,22	27,14	P62831	RL23_PIG	60S ribosomal protein L23	2
2,21	12,37	Q95283	COX41_PIG	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial (Fragment)	1
2,18	2,576	Q767L6	FLOT1_PIG	Flotillin-1	1
2,11	2,463	O13010	PI42A_PIG	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha	1
2,07	2,469	P43367	CAN2_PIG	Calpain-2 catalytic subunit (Fragment)	1
2,06	3,003	P10173	FUMH_PIG	Fumarate hydratase, mitochondrial	1
2,05	2,991	B6CVD7	ERO1A_PIG	ER 1-like protein alpha	1
2,04	1,363	D2SW95	COPB_PIG	Coatomer subunit beta	1

2,04	3,562	P41367	ACADM_PIG	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	1
4	5,418	P62197	PRS8_PIG	26S protease regulatory subunit 8	2
2,03	3,892	A6M931	IF4A3_PIG	Eukaryotic initiation factor 4A-III	1
2,02	2,771	P29797	GNAS_PIG	Guanine nucleotide-binding protein G(s) subunit alpha	1
2,01	4,177	Q2XSV9	GNA11_PIG	Guanine nucleotide-binding protein subunit alpha-11	1
2,01	17,38	Q6QAT1	RS28_PIG	40S ribosomal protein S28	1
2,01	8,901	Q007T2	CDC42_PIG	Cell division control protein 42 homolog	1
25,06	38,13	P02550	TBA1A_PIG	Tubulin alpha-1A chain	29
13,82	9,901	D2WKD8	AT1A2_PIG	Sodium/potassium-transporting ATPase subunit alpha-2	8
7,89	25,36	Q52NJ2	RAB1A_PIG	Ras-related protein Rab-1A	4
2,34	6,511	Q52NJ6	RAB14_PIG	Ras-related protein Rab-14	1
2	7,864	Q29205	RL11_PIG	60S ribosomal protein L11	1
2	11,24	Q95281	RL29_PIG	60S ribosomal protein L29	1
2	3,249	A0PFK7	CAPZB_PIG	F-actin-capping protein subunit beta	1
2	10,67	Q8MJ39	MGP_PIG	Matrix Gla protein	1
2	10,89	Q29187	RL4_PIG	60S ribosomal protein L4 (Fragment)	1
2	4,185	P67872	CSK2B_PIG	Casein kinase II subunit beta	1
2	4,069	P61288	TCTP_PIG	Translationally-controlled tumor protein	1
2	6,695	P29412	EF1B_PIG	Elongation factor 1-beta	1
2	6,848	P04246	HBT_PIG	Hemoglobin subunit theta	1
2	6,802	P02067	HBB_PIG	Hemoglobin subunit beta	1
2	6,802	P02101	HBE_PIG	Hemoglobin subunit epsilon	1
2	16,89	Q9MYT8	ATP5I_PIG	ATP synthase subunit e, mitochondrial	1
2	45,44	P42174	DHE3_PIG	Glutamate dehydrogenase 1, mitochondrial (Fragments)	1
2	11,11	P31950	S10AB_PIG	Protein S100-A11	1
1,89	1,968	A7VK00	MX2_PIG	Interferon-induced GTP-binding protein Mx2	1
10,04	17,61	A1XQV4	TPM3_PIG	Tropomyosin alpha-3 chain	6
1,68	17,71	P04163	S10AA_PIG	Protein S100-A10	1
1,64	7,879	P53027	RL10A_PIG	60S ribosomal protein L10a (Fragment)	1
1,6	8,955	P00172	CYB5_PIG	Cytochrome b5	1
1,48	4,385	P50667	COX2_PIG	Cytochrome c oxidase subunit 2	1
1,46	0,886	A5D9M6	BAG6_PIG	Large proline-rich protein BAG6	1
1,46	7,728	P80031	GSTP1_PIG	Glutathione S-transferase P	1
1,24	2,778	A4UTQ2	BTG3_PIG	Protein BTG3	1
1,21	4,619	P05027	AT1B1_PIG	Sodium/potassium-transporting ATPase subunit beta-1	1
1,19	2,593	P03970	INHBA_PIG	Inhibin beta A chain	1
1,19	4,081	Q29561	KCY_PIG	UMP-CMP kinase	1
0,98	29,55	Q95274	TYB4_PIG	Thymosin beta-4	2
0,94	8,536	Q29068	TCPG_PIG	T-complex protein 1 subunit gamma (Fragment)	1
0,92	6,154	Q29293	RL3_PIG	60S ribosomal protein L3 (Fragment)	1