

Table 4. (Supplementary material). Proteins identified in the plasma membrane preparation after two-phase partitioning, alkaline stripping, SDS-PAGE and LC-MS/MS. The level of confidence was set to 95% (5% false positives) using the Mascot search engine and Swiss-Prot database.

Protein Name	Acc. No.	Cellular localization	Predicted TM-helices
5'-nucleotidase	P21589	plasma membrane	2
78 kDa glucose-regulated protein	P11021	plasma membrane	0
Amyloid-like protein 1	P51693	plasma membrane	1
Adipocyte plasma membrane-associated protein	Q9HDC9	plasma membrane	1
ADP,ATP carrier protein, fibroblast isoform	P05141	plasma membrane	6
Annexin A2	P07355	plasma membrane	0
Annexin A6	P08133	plasma membrane	0
ATP synthase beta chain	P06576	plasma membrane	0
Azurocidin	P20160	plasma membrane	0
Beta-parvin (Affixin)	Q9HBII	plasma membrane	0
B-cell stimulating factor-3	Q9UBD9	plasma membrane	0
Calcium-activated potassium channel alpha subunit 1	Q12791	plasma membrane	6
Calreticulin precursor	P27797	plasma membrane	0
Cation-dependent mannose-6-phosphate receptor	P20645	plasma membrane	1
Cathepsin G	P08311	plasma membrane	0
CD11b Integrin alpha-M	P11215	plasma membrane	1
CD14 Monocyte differentiation antigen	P08571	plasma membrane	0
CD18 Integrin beta-2 precursor (Cell surface adhesion glycoproteins)	P05107	plasma membrane	1
CD222	P11717	plasma membrane	1
CD36 (Leukocyte differentiation antigen)	P16671	plasma membrane	2
CD42a (Platelet glycoprotein IX)	P14770	plasma membrane	1
CD42B Platelet glycoprotein Ib alpha chain	P07359	plasma membrane	1
CD42C (Platelet glycoprotein Ib)	P13224	plasma membrane	1
CD44 antigen	P16070	plasma membrane	1
CD45 Leukocyte common antigen	P08575	plasma membrane	2
CD61 Integrin beta-3	P05106	plasma membrane	1

CD41 Integrin alpha-IIb antigen	P08514	plasma membrane	1
Contactin associated protein 1	P78357	plasma membrane	1
Delta-sarcoglycan	Q92629	plasma membrane	1
Dihydrolipoyle辅酶A-残基琥珀酰转移酶	P36957	plasma membrane	0
Discs, large homolog 5	Q8TDM6	plasma membrane	0
Endoplasmic reticulum protein 1	P14625	plasma membrane	0
Endothelin-converting enzyme-like 1	O95672	plasma membrane	1
Erythrocyte band 7 integral membrane protein (Stomatin)	P27105	plasma membrane	1
Fibrinogen alpha/alpha-E chain	P02671	plasma membrane	0
Fibrinogen gamma chain	P02679	plasma membrane	1
Fibrinogen beta chain	P02675	plasma membrane	0
Ficolin 1	O00602	plasma membrane	0
Filamin A	P21333	plasma membrane	0
Gamma-aminobutyric acid type B receptor, isoform 1	Q9UBS5	plasma membrane	7
Guanine nucleotide-binding protein G(k), isoform 1	Q14344	plasma membrane	0
Guanine nucleotide-binding protein G(q), isoform 1	P08754	plasma membrane	0
Guanine nucleotide-binding protein G(i), isoform 1	P50148	plasma membrane	0
HLA class I histocompatibility antigen, A-11	P04899	plasma membrane	0
HLA class I histocompatibility antigen, B-42	P13746	plasma membrane	1
HLA class I histocompatibility antigen, B-39	P20480	plasma membrane	1
HLA class I histocompatibility antigen, B-14 a	P30475	plasma membrane	1
HLA class I histocompatibility antigen, B-40 a	P30462	plasma membrane	1
HLA class I histocompatibility antigen, B-46	Q04826	plasma membrane	1
HLA class I histocompatibility antigen, B-52	P30484	plasma membrane	1
HLA class I histocompatibility antigen, B-53	P30490	plasma membrane	1
HLA class I histocompatibility antigen, B-73	P30491	plasma membrane	1
HLA class I histocompatibility antigen, Cw-1	Q31612	plasma membrane	1
HLA class I histocompatibility antigen, Cw-6	P30499	plasma membrane	1
HLA class I histocompatibility antigen, Cw-7	Q29963	plasma membrane	1
HLA class I histocompatibility antigen, Cw-12	P10321	plasma membrane	1
HLA class II histocompatibility antigen, DR-1	P30508	plasma membrane	1
HLA class II histocompatibility antigen, DW2.2/DR2.2	P01912	plasma membrane	2
	P01911	plasma membrane	0

HLA class II histocompatibility antigen, DR	1
HLA class II histocompatibility antigen, DP(W2)	1
HLA class II histocompatibility antigen, DRB1-4	1
HLA class II histocompatibility antigen, DRB1-9	1
HLA class I histocompatibility antigen, DRB12.4	1
HLA class II histocompatibility antigen (CD74 antigen)	1
Junctional adhesion molecule 1 precursor	2
Lipopolysaccharide-responsive protein (CDC4-like protein)	0
Leucine-rich repeat transmembrane protein FLRT1 precursor	1
Lekocyte elastase	1
LAP4 protein	0
Moesin (Membrane-organizing extension spike protein)	0
Myeloblastin	0
NADH-cytochrome b5 reductase	0
Neuronal cell adhesion molecule	1
NipSnap3A protein (NipSnap4)	0
P2X purinoceptor 3 (ATP receptor)	2
Peptidyl-prolyl cis-trans isomerase B	1
Pro-neuregulin-1	1
Protocadherin beta 13	1
Perforin 1	0
Plectin 1	0
Polycystic kidney and hepatic disease 1	0
Potential phospholipid-transporting ATPase	7
Prohibitin	0
Protein	11
Protein disulfide-isomerase A3	0
Radixin	0
Ral guanine nucleotide dissociation stimulator-like 1	0
Ras-related protein Rab-1B	0
Ras-related protein Rap-1b	0
Ras-related protein Rab-11B	0
Ras-related protein Rab-15	0
P01903	plasma membrane
P13763	plasma membrane
P13760	plasma membrane
Q9TQE0	plasma membrane
P01893	plasma membrane
P04233	plasma membrane
Q9Y624	plasma membrane
P50851	plasma membrane
Q9NZU1	plasma membrane
P08246	plasma membrane
Q14160	plasma membrane
P26038	plasma membrane
P24158	plasma membrane
P00387	plasma membrane
Q92823	plasma membrane
Q9UFN0	plasma membrane
P56373	plasma membrane
P23284	plasma membrane
Q02297	plasma membrane
Q9Y5F0	plasma membrane
P14222	plasma membrane
Q15149	plasma membrane
Q8TCZ9	plasma membrane
O60423	plasma membrane
P35232	plasma membrane
Q96JT2	plasma membrane
P30101	plasma membrane
P35241	plasma membrane
Q9NZL6	plasma membrane
Q9H0U4	plasma membrane
P61224	plasma membrane
Q15907	plasma membrane
P59190	plasma membrane

Ras-related protein Rab-27B	000194	plasma membrane	0
Retinal-specific ATP-binding cassette transporter	P78363	plasma membrane	11
Sideroflexin 1	Q9H9B4	plasma membrane	3
SH3 and multiple ankyrin repeat domains protein 2	Q9UPX8	plasma membrane	0
Solute carrier family 2, glucose transporter	P11169	plasma membrane	10
Stomatin-like protein 2	Q9UJZ1	plasma membrane	0
Stomatin-like protein 3	Q8TAV4	plasma membrane	1
Talin 2	Q9Y4G6	plasma membrane	0
Tenascin-X precursor (TN-X)	P22105	plasma membrane	0
T-lymphoma invasion protein 1	Q13009	plasma membrane	0
Vascular endothelial growth factor receptor 1	P17948	plasma membrane	0
Vigilin (High density lipoprotein-binding protein)	Q00341	plasma membrane	0
Voltage-dependent anion-selective channel protein 1	P21796	plasma membrane	channel
Acyl-CoA dehydrogenase	P49748	mitochondrion	0
ADP,ATP carrier protein,	P12236	mitochondrion	2
ATP synthase alpha chain	P25705	mitochondrion	0
ATP synthase B chain	P24539	mitochondrion	0
ATP synthase D chain	O75947	mitochondrion	0
Cytochrome c oxidase polypeptide II	P00403	mitochondrion	2
Cytochrome c1	P08574	mitochondrion	0
Glycerol-3-phosphate dehydrogenase,	P43304	mitochondrion	1
Grave's disease carrier protein	P16260	mitochondrion	0
Ferrochelatase	P22830	mitochondrion	0
Malate dehydrogenase	P40926	mitochondrion	0
Phosphate carrier protein,	Q00325	mitochondrion	2
Sulfide:quinone oxidoreductase,	Q9Y6N5	mitochondrion	0
Thioredoxin-dependent peroxide reductase	P30048	mitochondrion	0
Tricarboxylate transport protein	P53007	mitochondrion	0
Ubiquinol-cytochrome c reductase iron-sulfur subunit	P47985	mitochondrion	0
Ubiquinol-cytochrome-c reductase complex core protein I	P31930	mitochondrion	0
Ubiquinol-cytochrome-c reductase complex core protein 2	P22695	mitochondrion	0
Voltage-dependent anion-selective channel protein 2	P45880	mitochondrion	channel
Voltage-dependent anion-selective channel protein 3	Q9Y277	mitochondrion	channel

150 kDa oxygen-regulated protein	Q9Y4L1	er	1
3-hydroxyacyl-CoA dehydrogenase type II	Q99714	er	0
Calmegin precursor	O14967	er	1
Calnexin precursor	P27824	er	1
Cytochrome P450 4B1	P13584	er	1
Cytochrome P450 4X1	Q8N118	er	1
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase	P39656	er	2
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase	P04843	er	1
Reticulon 4	Q9NQC3	er	2
Retinol dehydrogenase 11	Q8TC12	er	0
Tapasin precursor	O15533	er	1
Thromboxane-A synthase	P24557	er	0
Translocon-associated protein,	P43307	er	1
116 kDa U5 small nuclear ribonucleoprotein	Q15029	nuclear	0
DNA polymerase zeta catalytic subunit	O60673	nuclear	0
DNA2-like homolog	P51530	nuclear	0
ENL protein	Q03111	nuclear	0
General transcription factor 3C polypeptide 5	Q9Y5Q8	nuclear	0
Glioma tumor suppressor candidate region gene 2 protein (p60)	Q9NZM5	nuclear	0
Histone H2A.e (H2A/e)	Q99878	nuclear	0
Histone H3.3	P84243	nuclear	0
Histone H4	P62805	nuclear	0
Homeobox protein aristaless-like 3	O95076	nuclear	0
Jumonji protein	Q92833	nuclear	0
Membrane targeting tandem C2 domain containing protein 1	Q8N9U0	nuclear	0
Msx2-interacting protein	Q96T58	nuclear	0
Nipped-B-like protein	Q6KC79	nuclear	0
Niban-like protein	Q96TA1	nuclear	0
NNP-1 protein	P56182	nuclear	0
Nuclear receptor coactivator 6	Q14686	nuclear	0
Protein FAM13A1	O94988	nuclear	0
Pre-mRNA cleavage complex II protein Pcf11	O94913	nuclear	0
Retinoic acid receptor gamma-2	P22932	nuclear	0

Retinoblastoma-binding protein 2 (RBBP-2)	P29375	nuclear	0
Ribonucleases P/MRP protein	Q99575	nuclear	0
Telomerase protein component 1	Q99973	nuclear	0
Telomerase-binding protein EST1A	Q86US8	nuclear	0
Trans-acting T-cell specific transcription factor GATA-3	P23771	nuclear	0
Zinc finger and BTB domain containing protein 4	Q9PIZ0	nuclear	0
Zinc finger and SCAN domain containing protein 5	Q9BUG6	nuclear	0
Zinc finger protein 16	Q9HAZ2	nuclear	0
Zinc finger and BTB domain containing protein 26	Q9HCK0	nuclear	0
Zinc finger protein 436	Q9C0F3	nuclear	0
Zinc finger protein 74	Q16587	nuclear	0
Zinc finger protein 222	Q9UK12	nuclear	0
Zinc finger protein 282	Q9UDV7	nuclear	0
Zinc finger protein Helios	Q9UKS7	nuclear	0
40S ribosomal protein S16	P62249	cytoplasm	0
1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	P19174	cytoplasm	0
Actin, cytoplasmic 2	P63261	cytoplasm	0
Adapter-related protein complex 3	O14617	cytoplasm	0
Alcohol dehydrogenase class IV	P40394	cytoplasm	0
Bullous pemphigoid antigen 1,	O94833	cytoplasm	0
Cofilin, muscle isoform	Q9Y281	cytoplasm	0
Cytoplasmic protein NCK2	O43639	cytoplasm	0
Heat shock 70 kDa protein	P48741	cytoplasm	0
Homeodomain-interacting protein kinase 3	Q9H422	cytoplasm	0
Heat shock cognate 71 kDa protein	P11142	cytoplasm	0
DNA topoisomerase II,	P11388	cytoplasm	0
Eukaryotic translation initiation factor 2 alpha kinase 1	Q9BQI3	cytoplasm	0
F-actin capping protein alpha-3 subunit	Q96KX2	cytoplasm	0
Filamin C	Q14315	cytoplasm	0
Hook homolog 3	Q86VS8	cytoplasm	0
IkappaB kinase	O95163	cytoplasm	0
NACHT-, LRR- and PYD-containing protein 6	P59044	cytoplasm	0
Microtubule-associated proteins	Q9GZQ8	cytoplasm	0

Myomesin 2	P54296	cytoplasm	0
Myosin heavy chain	P35579	cytoplasm	0
Myosin heavy chain,	P13533	cytoplasm	0
Placental ribonuclease inhibitor	P13489	cytoplasm	0
Ras-related protein Rab-10	P61026	cytoplasm	0
Ras GTPase-activating protein	Q9UJF2	cytoplasm	0
Retinoblastoma-like protein 1	P28749	cytoplasm	0
Sialic acid synthase	Q9NR45	cytoplasm	0
Smoothelin	P53814	cytoplasm	0
Spectrin beta chain, brain 4	Q9NRC6	cytoplasm	0
Transcription factor-like protein 4	Q9UH92	cytoplasm	0
Tripeptidyl-peptidase I precursor	O14773	cytoplasm	0
Tripartite motif protein 2	Q9C040	cytoplasm	0
Triosephosphate isomerase	P60174	cytoplasm	0
Tubulin beta-4 chain	P04350	cytoplasm	0
Treacle protein	Q13428	cytoplasm	0
Ubiquitin	P62988	cytoplasm	0
Ubiquitin ligase protein	Q86Y13	cytoplasm	0
Dynein intermediate chain 1	Q9UI46	cytoskeleton	0
Piccolo protein	Q9Y6V0	cytoskeleton	0
Tropomyosin alpha 4 chain	P67936	cytoskeleton	0
Syntaxis-7			
Myeloperoxidase precursor	P05164	lysosome	0
Syntaxis-7	O15400	lysosome	1
Syntaxis-1B2	P61266	lysosome	1
Ras-related protein Rab-33B	Q9H082	golgi apparatus	0
Ras-related protein Rab-6B	Q9NRW1	golgi apparatus	0
Secretogranin-2 precursor	P13521	golgi apparatus	1
Xanthine dehydrogenase/oxidase	P47989	peroxisome	0
15 kDa selenoprotein	O60613	unknown	0
Caspase recruitment domain protein 6	Q9BX69	unknown	0
Ciliary dynein heavy chain 11	Q96DT5	unknown	0
Hypothetical protein C14orf39	Q8N1H7	unknown	0
Ig mu chain C	P01871	unknown	0

Jumonji domain containing protein 2A	Q75164	unknown	0
Kinesin-like motor protein C20orf23	Q96L93	unknown	0
MTO1 protein homolog	Q9Y2Z2	unknown	0
Okadaic acid-inducible phosphoprotein	Q95232	unknown	0
Pecanex-like protein 1	Q96RV3	unknown	10
Protein KIAA0196	Q12768	unknown	0
Protein C17orf32	Q8N511	unknown	2
Ras-related protein Rap-2b	P61225	unknown	0
SH3 domain and tetratricopeptide	Q8TF17	unknown	0
Serine/threonine protein phosphatase with EF-hands-2	Q14830	unknown	0
Tesmin	Q9Y4I5	unknown	0
Transmembrane 9 superfamily protein member 4	Q92544	unknown	9
Tudor and KH domain containing protein	Q9Y2W6	unknown	1
Tubulin beta-1 chain	Q9H4B7	unknown	0
Ubiquitin conjugating enzyme 7	Q9BYM8	unknown	0

Transmembrane helices (TM) were predicted by the software TMHMM. Channel denotes proteins where the transmembrane region is made up of β -strands.