

**Table S1. The full list of proteins involved in endocytosis pathways that have been used as queries in the analysis.**

<b>NCBI ID</b>	<b>Title</b>	<b>Organism</b>
NP_001171471.1	1-phosphatidylinositol 3-phosphate 5-kinase isoform 4	<i>Homo sapiens</i>
NP_005711.1	actin-related protein 2/3 complex subunit 1B	<i>Homo sapiens</i>
NP_005722.1	actin-related protein 2/3 complex subunit 2	<i>Homo sapiens</i>
NP_001274151.1	actin-related protein 2/3 complex subunit 3 isoform 2	<i>Homo sapiens</i>
NP_001020130.1	actin-related protein 2/3 complex subunit 4 isoform b	<i>Homo sapiens</i>
NP_001257368.1	actin-related protein 2/3 complex subunit 5 isoform 2	<i>Homo sapiens</i>
NP_001654.1	ADP-ribosylation factor 6	<i>Homo sapiens</i>
CAA29232.1	alpha-galactosidase	<i>Homo sapiens</i>
NP_004059.2	AP-2 complex subunit mu isoform a	<i>Homo sapiens</i>
NP_001020376.1	AP-2 complex subunit mu isoform b	<i>Homo sapiens</i>
NP_001298127.1	AP-2 complex subunit mu isoform c	<i>Homo sapiens</i>
CAA28955.1	cathepsin D	<i>Homo sapiens</i>
EAW62731.1	cathepsin L, isoform CRA_a	<i>Homo sapiens</i>
NP_002346.1	cation-dependent mannose-6-phosphate receptor isoform 1 precursor	<i>Homo sapiens</i>
NP_001744.2	caveolin-1 isoform alpha	<i>Homo sapiens</i>
NP_001166366.1	caveolin-1 isoform beta	<i>Homo sapiens</i>
NP_001076783.1	charged multivesicular body protein 1a isoform 1	<i>Homo sapiens</i>
NP_002759.2	charged multivesicular body protein 1a isoform 2	<i>Homo sapiens</i>
NP_054762.2	charged multivesicular body protein 2b isoform 1	<i>Homo sapiens</i>
NP_001231573.1	charged multivesicular body protein 2b isoform 2	<i>Homo sapiens</i>
NP_001185883.1	charged multivesicular body protein 3	<i>Homo sapiens</i>
NP_789782.1	charged multivesicular body protein 4b	<i>Homo sapiens</i>
NP_057494.3	charged multivesicular body protein 5 isoform 1	<i>Homo sapiens</i>
NP_078867.2	charged multivesicular body protein 6	<i>Homo sapiens</i>
NP_689485.1	charged multivesicular body protein 7 isoform 1	<i>Homo sapiens</i>
NP_001304828.1	charged multivesicular body protein 7 isoform 2	<i>Homo sapiens</i>
NP_004850.1	clathrin heavy chain 1 isoform 1	<i>Homo sapiens</i>
NP_001824.1	clathrin light chain A isoform a	<i>Homo sapiens</i>
NP_009027.1	clathrin light chain A isoform b	<i>Homo sapiens</i>
NP_001070145.1	clathrin light chain A isoform c	<i>Homo sapiens</i>
NP_001171689.1	clathrin light chain A isoform d	<i>Homo sapiens</i>
NP_001171690.1	clathrin light chain A isoform e	<i>Homo sapiens</i>
NP_001171691.1	clathrin light chain A isoform f	<i>Homo sapiens</i>
NP_001298132.1	clathrin light chain A isoform g	<i>Homo sapiens</i>
NP_001298133.1	clathrin light chain A isoform h	<i>Homo sapiens</i>
NP_001298134.1	clathrin light chain A isoform i	<i>Homo sapiens</i>
NP_001298135.1	clathrin light chain A isoform j	<i>Homo sapiens</i>
NP_001180262.1	coronin-1A	<i>Homo sapiens</i>
NP_004399.2	dynamamin-1 isoform 1	<i>Homo sapiens</i>
NP_001005336.1	dynamamin-1 isoform 2	<i>Homo sapiens</i>
NP_001275667.1	dynamamin-1 isoform 3	<i>Homo sapiens</i>
NP_001275668.1	dynamamin-1 isoform 4	<i>Homo sapiens</i>
NP_001361198.1	dynamamin-1 isoform 5	<i>Homo sapiens</i>
NP_001229755.1	E3 ubiquitin-protein ligase NRDP1 isoform 1	<i>Homo sapiens</i>
NP_919339.1	E3 ubiquitin-protein ligase NRDP1 isoform 2	<i>Homo sapiens</i>
NP_003557.3	early endosome antigen 1	<i>Homo sapiens</i>
NP_001269373.1	EH domain-containing protein 1 isoform 1	<i>Homo sapiens</i>
NP_001269374.1	EH domain-containing protein 1 isoform 2	<i>Homo sapiens</i>
NP_055416.2	EH domain-containing protein 2	<i>Homo sapiens</i>
NP_055415.1	EH domain-containing protein 3	<i>Homo sapiens</i>
NP_644670.1	EH domain-containing protein 4	<i>Homo sapiens</i>
NP_001123543.1	epsin-1 isoform a	<i>Homo sapiens</i>
NP_683723.2	epsin-2 isoform a	<i>Homo sapiens</i>
NP_060427.2	epsin-3	<i>Homo sapiens</i>
NP_000793.1	folate receptor alpha precursor	<i>Homo sapiens</i>
AAR19397.1	FYVE domain-containing phosphoinositide kinase	<i>Homo sapiens</i>
NP_004703.1	hepatocyte growth factor-regulated tyrosine kinase substrate	<i>Homo sapiens</i>
NP_001295171.1	interleukin-2 receptor subunit alpha isoform 2 precursor	<i>Homo sapiens</i>
AAD25077.1	lysosomal integral membrane glycoprotein	<i>Dictyostelium discoideum</i>

AAK30041.1	lysosomal integral membrane protein II	<i>Dictyostelium discoideum</i>
AAK30040.1	lysosomal integral membrane protein II	<i>Dictyostelium discoideum</i>
AAB80725.1	lysosomal pepstatin insensitive protease	<i>Homo sapiens</i>
NP_005497.1	lysosome membrane protein 2 isoform 1 precursor	<i>Homo sapiens</i>
NP_005552.3	lysosome-associated membrane glycoprotein 1 precursor	<i>Homo sapiens</i>
XP_005247417.1	lysosome-associated membrane glycoprotein 3 isoform X1	<i>Homo sapiens</i>
NP_258257.1	multivesicular body subunit 12B isoform 1	<i>Homo sapiens</i>
NP_000241.1	myeloperoxidase precursor	<i>Homo sapiens</i>
NP_000611.1	nitric oxide synthase, brain isoform 1	<i>Homo sapiens</i>
NP_002638.2	phosphatidylinositol 3-kinase catalytic subunit type 3 isoform 1	<i>Homo sapiens</i>
NP_001128691.1	phosphatidylinositol 4-phosphate 5-kinase-like protein 1 isoform 1	<i>Homo sapiens</i>
NP_775763.1	phosphatidylinositol 4-phosphate 5-kinase-like protein 1 isoform 2	<i>Homo sapiens</i>
NP_002653.1	phospholipase D1 isoform a	<i>Homo sapiens</i>
NP_001123553.1	phospholipase D1 isoform b	<i>Homo sapiens</i>
NP_037468.1	protein transport protein Sec61 subunit alpha isoform 1	<i>Homo sapiens</i>
NP_060614.2	protein transport protein Sec61 subunit alpha isoform 2 isoform a	<i>Homo sapiens</i>
NP_006799.1	protein transport protein Sec61 subunit beta	<i>Homo sapiens</i>
NP_001012474.1	protein transport protein Sec61 subunit gamma	<i>Homo sapiens</i>
NP_005408.1	proto-oncogene tyrosine-protein kinase Src	<i>Homo sapiens</i>
NP_001002261.1	protrudin isoform 1	<i>Homo sapiens</i>
NP_001243793.1	putative tyrosine-protein phosphatase auxilin isoform 1	<i>Homo sapiens</i>
NP_004694.2	rab GTPase-binding effector protein 1 isoform 1	<i>Homo sapiens</i>
NP_001077054.1	rab GTPase-binding effector protein 1 isoform 2	<i>Homo sapiens</i>
NP_001278510.1	rab GTPase-binding effector protein 1 isoform 3	<i>Homo sapiens</i>
NP_001278511.1	rab GTPase-binding effector protein 1 isoform 4	<i>Homo sapiens</i>
NP_055719.1	rab11 family-interacting protein 2 isoform 1	<i>Homo sapiens</i>
NP_113618.2	rab-interacting lysosomal protein	<i>Homo sapiens</i>
NP_071735.2	rabenosyn-5	<i>Homo sapiens</i>
NP_057215.3	ras-related protein Rab-10	<i>Homo sapiens</i>
NP_004654.1	ras-related protein Rab-11A isoform 1	<i>Homo sapiens</i>
AAL75941.1	ras-related protein Rab-22A	<i>Homo sapiens</i>
NP_006859.2	ras-related protein Rab-31	<i>Homo sapiens</i>
NP_006852.1	ras-related protein Rab-35 isoform 1	<i>Homo sapiens</i>
NP_004569.2	ras-related protein Rab-4A isoform 1	<i>Homo sapiens</i>
NP_001258927.1	ras-related protein Rab-4A isoform 2	<i>Homo sapiens</i>
NP_004153.2	ras-related protein Rab-5A isoform 1	<i>Homo sapiens</i>
NP_004628.4	ras-related protein Rab-7a	<i>Homo sapiens</i>
NP_005361.2	ras-related protein Rab-8A	<i>Homo sapiens</i>
NP_060457.4	RUN and FYVE domain-containing protein 2 isoform a	<i>Homo sapiens</i>
NP_001035882.1	RUN and FYVE domain-containing protein 2 isoform b	<i>Homo sapiens</i>
NP_001265154.1	RUN and FYVE domain-containing protein 2 isoform c	<i>Homo sapiens</i>
NP_001317032.1	RUN and FYVE domain-containing protein 2 isoform d	<i>Homo sapiens</i>
NP_001354918.1	scavenger receptor class B member 1 isoform 1	<i>Homo sapiens</i>
NP_005834.4	signal transducing adapter molecule 2	<i>Homo sapiens</i>
NP_003090.2	sorting nexin-1 isoform a	<i>Homo sapiens</i>
NP_001243114.1	sorting nexin-12 isoform 1	<i>Homo sapiens</i>
NP_001243115.1	sorting nexin-12 isoform 2	<i>Homo sapiens</i>
NP_001243116.1	sorting nexin-12 isoform 3	<i>Homo sapiens</i>
NP_001243117.1	sorting nexin-12 isoform 4	<i>Homo sapiens</i>
NP_689973.2	sorting nexin-32	<i>Homo sapiens</i>
NP_003785.1	sorting nexin-4	<i>Homo sapiens</i>
NP_001313507.1	syntaxin-7 isoform a	<i>Homo sapiens</i>
NP_001121620.1	transferrin receptor protein 1 isoform 1	<i>Homo sapiens</i>
NP_006283.1	tumor susceptibility gene 101 protein	<i>Homo sapiens</i>
AAK52408.1	vacuolar protein sorting VPS4-1	<i>Homo sapiens</i>
NP_443107.1	vacuolar protein sorting-associated protein 26B	<i>Homo sapiens</i>
NP_057292.1	vacuolar protein sorting-associated protein 28 homolog isoform 1	<i>Homo sapiens</i>
NP_057310.1	vacuolar protein sorting-associated protein 29 isoform 1	<i>Homo sapiens</i>
NP_476528.1	vacuolar protein sorting-associated protein 29 isoform 2	<i>Homo sapiens</i>
NP_001269079.1	vacuolar protein sorting-associated protein 29 isoform 3	<i>Homo sapiens</i>
NP_001269080.1	vacuolar protein sorting-associated protein 29 isoform 4	<i>Homo sapiens</i>
NP_060676.2	vacuolar protein sorting-associated protein 35	<i>Homo sapiens</i>
NP_689628.2	vacuolar protein sorting-associated protein 37A isoform 1	<i>Homo sapiens</i>

NP_001138624.1	vacuolar protein sorting-associated protein 37A isoform 2	<i>Homo sapiens</i>
NP_001350096.1	vacuolar protein sorting-associated protein 37A isoform 3	<i>Homo sapiens</i>
NP_001350097.1	vacuolar protein sorting-associated protein 37A isoform 4	<i>Homo sapiens</i>
NP_001350099.1	vacuolar protein sorting-associated protein 37A isoform 5	<i>Homo sapiens</i>
NP_009190.2	vacuolar protein sorting-associated protein 45 isoform 1	<i>Homo sapiens</i>
NP_001266282.1	vacuolar protein sorting-associated protein 45 isoform 2	<i>Homo sapiens</i>
NP_001266282.1	vacuolar protein sorting-associated protein 45 isoform 2	<i>Homo sapiens</i>
NP_057569.2	vacuolar protein sorting-associated protein VTA1 homolog isoform a	<i>Homo sapiens</i>
NP_001273301.1	vacuolar protein sorting-associated protein VTA1 homolog isoform c	<i>Homo sapiens</i>
NP_115729.1	vacuolar protein-sorting-associated protein 25	<i>Homo sapiens</i>
NP_057159.2	vacuolar protein-sorting-associated protein 36 isoform 1	<i>Homo sapiens</i>
NP_001269097.1	vacuolar protein-sorting-associated protein 36 isoform 2	<i>Homo sapiens</i>
NP_001269098.1	vacuolar protein-sorting-associated protein 36 isoform 3	<i>Homo sapiens</i>
NP_009172.2	vacuolar-sorting protein SNF8 isoform 1	<i>Homo sapiens</i>
NP_001304121.1	vacuolar-sorting protein SNF8 isoform 2	<i>Homo sapiens</i>
NP_001304122.1	vacuolar-sorting protein SNF8 isoform 3	<i>Homo sapiens</i>
NP_001304123.1	vacuolar-sorting protein SNF8 isoform 4	<i>Homo sapiens</i>
NP_004772.1	vesicle-associated membrane protein 3	<i>Homo sapiens</i>
NP_006010.2	V-type proton ATPase 116 kDa subunit a3 isoform a	<i>Homo sapiens</i>
NP_006044.1	V-type proton ATPase 116 kDa subunit a3 isoform b	<i>Homo sapiens</i>
NP_001337988.1	V-type proton ATPase 116 kDa subunit a3 isoform c	<i>Homo sapiens</i>
NP_878908.4	WASH complex subunit 1	<i>Homo sapiens</i>
NP_056077.2	WASH complex subunit 2C isoform 1	<i>Homo sapiens</i>
NP_057137.1	WASH complex subunit 3 isoform 1	<i>Homo sapiens</i>
NP_001288036.1	WASH complex subunit 3 isoform 2	<i>Homo sapiens</i>
NP_001280569.1	WASH complex subunit 4 isoform 1	<i>Homo sapiens</i>
NP_056090.1	WASH complex subunit 4 isoform 2	<i>Homo sapiens</i>
NP_055661.3	WASH complex subunit 5 isoform 1	<i>Homo sapiens</i>
NP_001317538.1	WASH complex subunit 5 isoform 2	<i>Homo sapiens</i>