

**Supplemental Table 1: Reported Virus-ESCRT Interactions**

Virus	Viral Protein	Late Assembly Domain	Early-Acting ESCRT Factor	References
<b>Enveloped Viruses</b>				
<b>RNA Viruses</b>				
<i>Retroviruses</i>				
<b>Human Immunodeficiency virus Type 1 (HIV-1)</b>	Gag	P(T/S)AP YPXL unknown	TSG101 ALIX NEDD4L	[15,19,25,28,30,39,59,82,92,93,95]
<b>Simian Immunodeficiency Virus (and HIV-2)</b>	Gag	P(T/S)AP YPXL	TSG101 ALIX	[5,6,61,82,110]
<b>Feline Immunodeficiency Virus</b>	Gag	P(T/S)AP unknown	TSG101 NEDD4L	[9,57]
<b>Equine Infectious Anemia Virus (EIAV)</b>	Gag	YPXL	ALIX	[13,53,67,68,75,82,109]
<b>Human T Cell Leukemia Virus</b>	Gag	P(T/S)AP PPXY unknown	TSG101 NEDD4 ALIX?	[8,22,35,36,51,91,96]
<b>Prototypic Foamy Virus</b>	Gag	P(T/S)AP PPXY?	TSG101 NEDD4 family member?	[63,81,107,108]
<b>Rous Sarcoma Virus</b>	Gag	PPXY YPXL	NEDD4 family ALIX	[20,27,47,60,80,94,99,102]
<b>Mason-Pfizer Monkey Virus</b>	Gag	P(T/S)AP PPXY	TSG101 NEDD4 family	[31,103]
<b>Murine Leukemia Virus (MLV)</b>	Gag	P(T/S)AP YPXL PPXY unknown	TSG101 ALIX NEDD4 family NEDD4 family	[44,74,105,106]
<b>Bovine Leukemia Virus</b>	Gag	PPXY	NEDD4 family member?	[97]
<b>Koala Retrovirus</b>	Gag	PPXY P(T/S)AP?	NEDD4 family TSG101?	[76]

<i>Filoviruses</i>				
<b>Ebola Virus</b>	VP40	P(T/S)AP PPXY	TSG101 NEDD4 family	[33,41,56,59,86,87,104]
<b>Marburg Virus</b>	NP VP40	P(T/S)AP PPXY	TSG101 NEDD4 family member?	[21,48,88]
<i>Arenaviruses</i>				
<b>Lymphocytic Choriomeningitis Virus</b>	Z	P(T/S)AP PPXY	TSG101 NEDD4 family member?	[66]
<b>Lassa Fever Virus</b>	Z	P(T/S)AP PPXY	TSG101 NEDD4 family member?	[66,89]
<b>Mopeia Virus</b>	Z	unknown	ALIX	[77]
<b>Tacaribe Virus</b>	Z	unknown	unknown	[90]
<i>Paramyxoviruses</i>				
<b>Human Parainfluenzavirus Type 5 (hPIV-5)</b>	M	FPIV unknown	unknown AMOT-L1	[73] [65]
<b>Human Parainfluenzavirus Type 1</b>	C	unknown	ALIX	[7]
<b>Sendai Virus<sup>1</sup></b>	C M	unknown YPXL	ALIX ALIX	[29,42,43,72]
<b>Mumps Virus</b>	unknown	FPIV	unknown	[54]
<i>Rhabdoviruses</i>				
<b>Vesicular Stomatitis Virus<sup>2</sup></b>	M	PPXY P(T/S)AP?	NEDD4 family TSG101?	[17,32,34,40,45,50,85]
<b>Rabies Virus</b>	M	PPXY	NEDD4 family	[34,101]
<i>Flaviviruses</i>				
<b>Yellow Fever Virus</b>	NS3	YPXL	ALIX	[11]
<b>Dengue Fever Virus<sup>2</sup></b>	unknown	unknown	ALIX	[62]
<b>Hepatitis C Virus<sup>4</sup></b>	unknown	unknown	unknown	[1,16,23,69,83]
<b>Japanese Encephalitis Virus</b>	NS3	unknown	TSG101	[14]

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**DNA Viruses**

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***Herpesviruses***

<b>Herpes Simples Virus</b>	unknown	unknown	unknown	[10,18,64]
<b>Epstein-Barr Virus</b>	BFRF	unknown	ALIX	[52,71]
<b>Human Cytomegalovirus<sup>1</sup></b>	unknown	unknown	unknown	[26,84]
<b>Vaccinia virus</b>	F13L	YPXL unknown	ALIX TSG101	[38]

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***Hepadnaviruses***

<b>Hepatitis B Virus<sup>1</sup></b>	Core unknown	PPXY unknown unknown	NEDD4 family TSG101 ALIX $\alpha$ -Taxilin	[4,37,46,49,70,98]
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**Non-enveloped Viruses**

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**RNA Viruses**

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***Reoviruses***

<b>Bluetongue Virus<sup>3</sup></b>	NS3/NS3A	P(T/S)AP PPXY	TSG101 NEDD4 family member?	[12,100]
<b>Rotavirus<sup>2</sup></b>	unknown	unknown	unknown	[78]

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***Picornaviruses***

<b>Hepatitis A Virus<sup>3</sup></b>	unknown	unknown	ALIX	[24]
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**Insect Viruses**

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***Baculoviruses***

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<b><i>Autographa californica</i> Multiple Nucleopolyhedrovirus<sup>2</sup></b>	unknown	unknown	unknown	[55]
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#### Archaeal Viruses

<b><i>Sulfolobus</i> Turreted Icosahedral Virus</b>	unknown	unknown	unknown	[58,79]
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#### Plant Viruses

##### ***Tombusviruses***

<b>Tomato Bushy Stunt Virus</b>	p33	unknown	TSG101 ALIX	[2,3]
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<sup>1</sup>Cases in which other studies have failed to confirm ESCRT involvement

<sup>2</sup>Cases in which ESCRT factors are (also) implicated in virus entry

<sup>3</sup>Non-enveloped viruses that can also be released as enveloped particles via ESCRT-dependent budding

<sup>4</sup>Case in which ESCRT pathway is also involved in RNA trafficking

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