

**Rodriguez-Fernandez and Dell'Angelica  
Supplementary Table 1**

**A. Scoring criteria for candidate binding partners of human BLOC-1**

Criteria & color	Definitions
<b>1</b>	<b>Yeast-two-hybrid (Y2H) data</b>
Green	Interaction from a small-scale Y2H screen or with high-confidence score from a large-scale Y2H project
Yellow	Medium-confidence score obtained in a large-scale Y2H project
<b>2</b>	<b>Affinity-pulldown data</b>
Green	Recombinant form of binding partner was able to pull-down native BLOC-1
Yellow	Recombinant form of binding partner was able to pull-down recombinant or overexpressed BLOC-1 subunit
White	No information
<b>3</b>	<b>Coimmunoprecipitation data</b>
Green	Positive coimmunoprecipitation involving native BLOC-1
Yellow	Coimmunoprecipitation involving overexpressed BLOC-1 subunit (epitope-tagged or not)
White	No information
<b>4</b>	<b>Predicted Coiled-coil domains</b>
Green	Absence of predicted coiled-coil-forming domains
Red	Presence of predicted coiled-coil-forming domains
<b>5</b>	<b>Predicted transmembrane regions</b>
Green	Absence of predicted transmembrane regions
Red	Presence of predicted transmembrane regions
<b>6</b>	<b>Predicted structural or functional conserved domains</b>
Green	Conserved domains specifically related to protein/membrane trafficking, such as FYVE, RAB, SNARE, BAR
Yellow	Conserved domains involved in multiple functions besides protein/membrane trafficking
Red	Conserved domains with unrelated function, such as DNA or RNA binding
White	No conserved domains with known function
<b>7</b>	<b>mRNA expression patterns</b>
Green	Transcript expressed in a wide variety of tissues and cell types
Yellow	Transcript with restricted expression including brain (due to potential association of BLOC-1 with schizophrenia)
Red	Transcript with restricted expression not including brain tissue
<b>8</b>	<b>Detection of a <i>D. melanogaster</i> homologue</b>
Green	Positive detection of a homologue in <i>D. melanogaster</i> (with E-value $<10^{-4}$ )
Yellow	Potential <i>D. melanogaster</i> homologue (E-value $>10^{-4}$ )
Red	No <i>D. melanogaster</i> homologue detected on a BLASTP search
<b>9</b>	<b>Detection of a <i>S. cerevisiae</i> homologue</b>
Green	No homologue detected in <i>S. cerevisiae</i> through BLASTP search
Yellow	Homologue detected in <i>S. cerevisiae</i> (E-value $<10^{-4}$ ) with role in membrane/protein trafficking
Red	Homologue detected in <i>S. cerevisiae</i> (E-value $<10^{-4}$ ) with role unrelated to membrane/protein trafficking
<b>10</b>	<b>Reported or proposed function</b>
Green	Role in protein/membrane trafficking (vesicle-mediated transport) on endosomes or lysosomes
Yellow	Role in protein/membrane trafficking but not necessarily on endosomes or lysosomes
Red	Unrelated function such as transcription or translation
White	No information or multiple functions (e.g., cytoskeleton regulation)

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**B. Scoring criteria for candidate binding partners of fly BLOC-1**

Criteria & color	Definitions
<b>1</b>	<b>Yeast-two-hybrid (Y2H) data</b>
Green	High-confidence score from a large-scale Y2H project (Confidence score > 0.66 on a 0-1 scale)
Yellow	Medium-confidence score from a large-scale Y2H project (Confidence score 0.33-0.66 on a 0-1 scale)
Red	Low-confidence score from a large-scale Y2H project (Confidence score < 0.33 on a 0-1 scale)
<b>2</b>	<b>Predicted Coiled-coil domains</b>
Green	Absence of predicted coiled-coil-forming domains (P-value << 0.5)
Yellow	Prediction for the coiled-coil domain not convincing (P-value ~ 0.5)
Red	Presence of predicted coiled-coil-forming domains (P-value >> 0.5)
<b>3</b>	<b>Predicted transmembrane regions</b>
Green	Absence of predicted transmembrane regions
Yellow	Not convincing predicted transmembrane region (15-20 amino acid long)
Red	Presence of predicted transmembrane regions (> 20 amino acid long)
<b>4</b>	<b>Predicted structural or functional conserved domains</b>
	<i>Same as scoring criteria #6 for human BLOC-1 candidate binding partners</i>
<b>5</b>	<b>Detection of a <i>H. sapiens</i> homologue</b>
Green	Positive detection of a homologue in <i>H.sapiens</i> (with E-value <10 <sup>-4</sup> )
Yellow	Potential <i>H.sapiens</i> homologue (E-value >10 <sup>-4</sup> )
Red	No <i>H.sapiens</i> homologue detected on a BLASTP search
<b>6</b>	<b>Detection of a <i>S. cerevisiae</i> homologue</b>
	<i>Same as scoring criteria #9 for human BLOC-1 candidate binding partners</i>
<b>7</b>	<b>Candidates' reported or proposed function</b>
	<i>Same as scoring criteria #10 for human BLOC-1 candidate binding partners</i>
<b>8</b>	<b>Candidates' reported or proposed function for the human homologue</b>
	<i>Same as scoring criteria #10 for human BLOC-1 candidate binding partners</i>