

**Table S1. Complexes identified in the screen.**

<b>Complex/Process</b>	<b>Genes primary screen</b>	<b>Genes validated</b>
Vacuolar-type H <sup>+</sup> -ATPase	Vha100-1, Vha100-2, <b>Vha55</b> , VhaPPA1-1, <b>VhaAC39</b> , Vha13, Vha14, Vha26, <b>VhaSFD, VhaAC45, VhaM8.9</b>	VhaAC45, VhaSFD, VhaM8.9, Vha55, VhaAC39
Signal Recognition complex/ Signal peptidase complex	<b>Srp19, Srp54K</b> , Srp9, Srp14, <b>SrpBeta, Srp72, Spase25</b> , Spase22-23	SrpBeta, Srp72, Srp19, Srp54K, Spase25
Translation initiation	<b>eIF-S9, eIF5B, eIF2B-beta</b> , eIF2B-epsilon, <b>eIF4G, eIF2B-gamma, eIF-4B, CG17737</b>	eIF2B-gamma, eIF-4B, CG17737, eIF2B-Beta, eIF3-S9, eIF4G, eIF5B
Mediator complex	<b>MED4, MED7, MED8</b> , MED10, MED14, MED17, MED22	MED8, MED4, MED7
Arp2/3 complex	Arpc3B, Arp66B, <b>Arp14D</b>	Arp14D
Tafs	<b>Taf6, Taf5</b> , Taf12	Taf5, Taf6