

Supplementary Tables

	All	Empty SUVs	+CD-VAMP2	-VAMP2	-Munc18-1
All		0.0000	0.8630	0.7213	0.6830
Empty SUVs	0.0000		7.40e-16	0.0000	6.83e-06
+CD-VAMP2	0.8630	7.40e-16		0.6832	0.6830
-VAMP2	0.7213	0.0000	0.6832		0.5616
-Munc18-1	0.6830	6.83e-06	0.6830	0.5616	

Table S1. Benjamini-Hochberg-adjusted two-sided P-values from comparisons between proportions of docked (and undocked) SUVs observed in different samples (shown in Figure 2G).

The proportions of docked and undocked SUVs were counted from low-magnification montage images (see supplementary methods) from three independent biochemical experiments. The three replicates for each docked (or undocked) proportion were used to estimate their standard error using the James-Stein shrinkage estimator [35] and consequently a z-test was performed (see supplementary methods). Values highlighted in grey indicate significant tests at a false discovery rate of 5%.