K^C (+3.5, pH 4.3) K^{HHCHH} (+7.7, pH 4.3) K^{Lti30} (+5.7, pH 4.3)

50 μm 50 μm 50 μm

K^{HHCHH} (+4.5, pH 6.3) K^{Lti30} (+2.5, pH 6.3)

50 μm 50 μm

peptide sequences:

K^{Lti30} VHHEKKGMTEKVMEQLPGHHG
K^{HHCHH} HHEKKGIMDKIKEKLPGHH
K^C EKKGIMDKIKEKLPG

Supplementary Figure 1. Light-microscopy analysis showing that vesicle clustering by different K-segments follows pH and thus peptide net charge. Peptide concentration 0.7 μM in 1.4 mM PC:PG vesicles at 1:3 ratio.