

Supplemental Materials

Molecular Biology of the Cell

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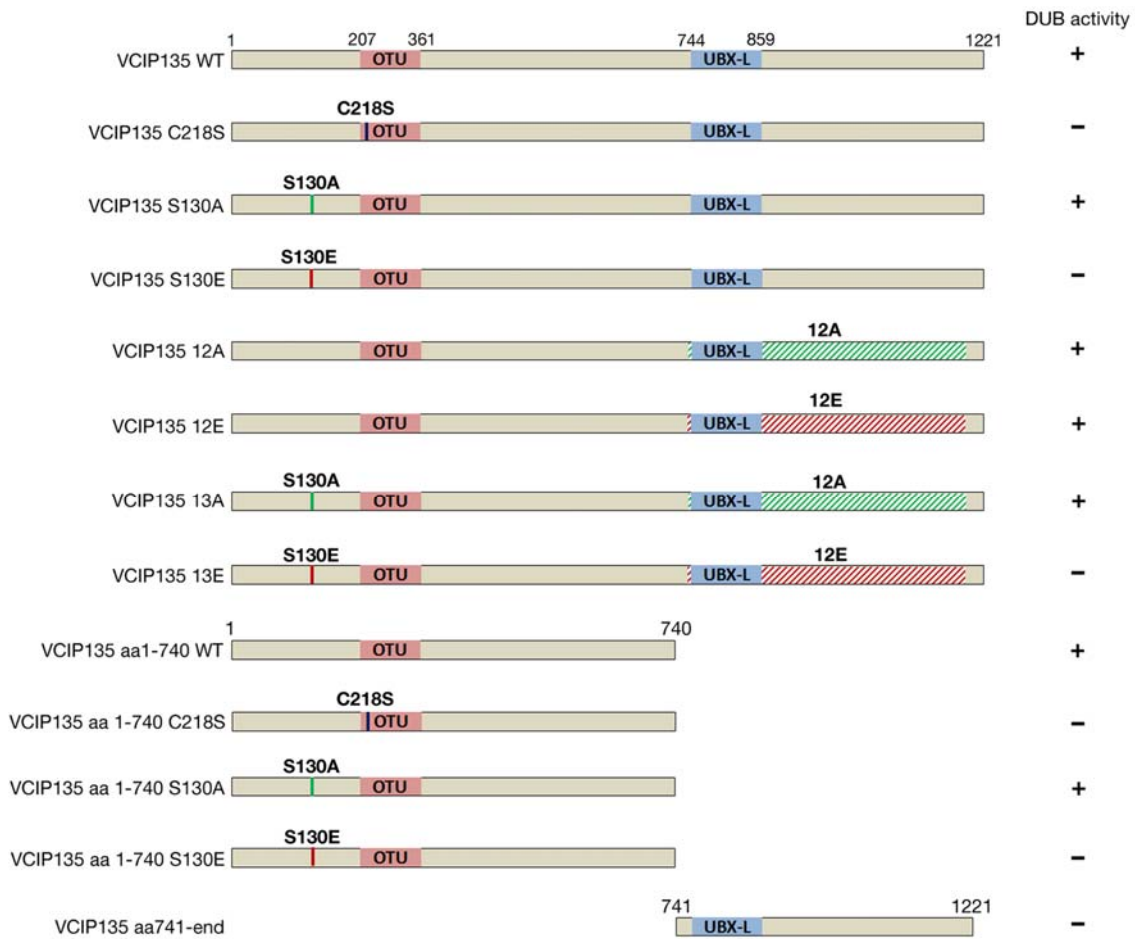


Figure S1

Figure S1. Schematic of VCIP135 fragments and point mutants in this study and summary of their DUB activity.

VCIP135 catalytic domain (OTU) is highlighted in pink and the UBXL-like (UBXL) domain is highlighted in blue. Point mutations include: the enzyme dead C218S (cysteine 218 mutated to serine) mutant (marked in dark blue), mutation of Ser130 (S130A, serine to alanine, labeled in green; and S130E, serine to glutamic acid, in red), mutations of the

12 phosphorylation sites (S746, S755, S756, T760, T762, Y766, S767, T769, S993, S997, T1131, and S1197, labeled by slant lines) at the C-terminus (12A and 12E), and mutation of all phosphorylation sites (13A and 13E). The length of fragments are marked by the amino acids and their mutations are as indicated. The DUB activity of each construct is indicated on the right. Note that all VCIP135 mutants that contain S130E do not have DUB activity.