

SUPPLEMENTARY TABLES

Supplementary Table 1. Indication of E2^{Ubc9}'s important atomic positional fluctuation values calculated for the control simulation (in Å).^a

	Isolated E2 ^{Ubc9}	E2 ^{Ubc9} -E3 ^{RanBP2} -SUMO-Target ^{RanGAP1}	E2 ^{Ubc9} -SUMO-Target ^{RanGAP1}			
<i>For specific time periods</i>						
		Cluster 1	Cluster 2	Cluster 1	Cluster 2	Cluster 3
E2 ^{Ubc9} 's loop2	3.7±1.9	3.5±2.2	2.4±1.1	7.5±4.9	11.4±7.9	2.4±1.7

^a Each entry corresponds to mean ± standard deviation of the atomic positional fluctuation values. The maximum and minimum values of the data set are indicated in parentheses.