

## Supplementary Table 1

### SiRNA sequences used in this study.

Target	Target sequence	Source
UbcH5a	Ref: Saville, MK <i>et al. J Bio Chem.</i> <b>279</b> 42169-81	Ambion
UbcH5b/c	Ref: Saville, MK <i>et al. J Bio Chem.</i> <b>279</b> 42169-81	Dharmacon
Ubc13 (Human UBE2N)	#1 CTGCTATCGATCCAGGCCT #2 GCACAGTTCTGCTATCGAT #3 GAGCATGGACTAGGCTATA #4 CAGATGATCCATTAGCAAA	
HBUCE1	GCGCTAAAGCGGATCCAGA CAGCGTTGACTGTGTCAA GAGAGTGGACACAAAATA GGAATTAACCGACTTGCAG	
Ubc7 (Human UBE2G2)	TCTATAAGATTGCCAAGCA GATGGGAGAGTCTGCATTT CCACTTGATTACCCGTTAA GAGATTTACCTGTGAGATG	
Ubc8 (Human UBE2H)	CAACATTGATGAAGCGTCA TCTATAGGATTCATGAATA GAGTGGACCTACCTGATAA CGAGAGTAAACATGAGGTT	
UbcH10 (Human UBE2C)	Ref: Rape, M. and Kirschner, MW. <i>Nature</i> <b>432</b> 588-95	
Clathrin heavy chain	Ref: Motley A <i>et al. J Cell Bio.</i> <b>162</b> 909-18	
AP-2, m2 subunit	Ref: Motley A <i>et al. J Cell Bio.</i> <b>162</b> 909-18	
Epsin 1 oligo #1	GAACTGGCGTCACGTTTAC	
Epsin 1 SMARTpool	Ref: Huang, F <i>et al, J Biol Chem.</i> <b>279</b> 16657-61	
Eps15 SMARTpool	Ref: Huang, F <i>et al, J Biol Chem.</i> <b>279</b> 16657-61	