Ctrl		CatB		CatC		CatD		CatG		CatH		CatK		CatO		CatW		
UNI	INF	UNI	INF	UNI	INF	UNI	INF	UNI	INF	UNI	INF	UNI	INF	UNI	INF	UNI	INF	
-	-	-		-	-			-				_		-		-		Cortactin
4	1	-		-	-	1	<u>11</u>	A	Щ.		-	Å.	Ш	1	1	L	1	Actin

Figure S1. RNA interference screening to identify the cathepsin(s) involved in cortactin degradation in IAV infected cells. A549 cells were transfected with 10 nM of control (Ctrl) siRNA or siRNAs targeting human cathepsin (Cat) B, C, D, G, H, K, O, or W for 72 h. Cells were then infected with WSN at a multiplicity of infection (MOI) of 3.0. After 24 h, total cell lysates of uninfected (UNI) and infected (INF) cells were prepared, and cortactin and actin polypeptides were detected by WB.

WT	D15E	D20E	D27E	D93E	D97E	D116E	D130E	D133E	D170E	D177E D1	90E D	153E D288E	
UNI INF	UNI INF	UNI INF	UNI INF	UNI INF	-				UNI INF	UNI INF UN	I INF U	NI INF UNI INF	
1. 19		1											
-			-								teres -	-7	Cortactin
											1	1	
													ab
											. 3		
												3	
												D483E D487	_
UNI INF L	JNI INF U	JNI INF	UNI INF U	NI INF UN	I INF UNI	INF UNI	INF UNI	enners Statistics		AND ADDRESS	success access		
					14		HE.	· 2			22	 Elli – Elli 	- Cortactin
				-					Ballauto Barren B				Conactin
. 33				19 12 14 - 1 1	1	•						. 3	•
						-	-		-				-
	- 22		and a		air air	-	. 2 2 (2)		A. 1				
WT	D502E				D492E			WT		D130E D1			
UNI INF		1000			UNI INF	UNI INF	UNI INF			UNI INF UNI	INF		
			<u> </u>	Ľ							- Co	rtactin	
				•	-					目相同			
			· · · ·	4	•						:		
<u></u>						*****		-			e and a second		
	• :	· · ·											
	1 -		• · · ·			5				•			

Figure S2. WB screening to identify the cortactin mutants resistant to degradation in IAV infected cells. MDCK cells were transfected with plasmid expressing the WT GFP-cortactin or GFP-cortactin containing indicated mutation for 48 h and subsequently infected with WSN at a MOI of 3.0. After 24 h, total cell lysates of uninfected (UNI) and infected (INF) cells were prepared, and cortactin polypeptide was detected by WB using anti-GFP antibody. Bold letters indicate a hit; asterisks indicate change in cleaved cortactin fragments. Each blot contained the WT GFP-cortactin UNI/INF lanes as control; however, these lanes have been spliced from some blots to accommodate them in the figure.