

Supplemental Table.1 Primers used for RT-PCR

Sequence		Product size
G3PDH	F 5'-ACC ACA GTC CAT GCC ATC AC-3'	382bp
	R 5'-TCC ACC ACC CTG TTG CTG TA-3'	
LMP-1	F 5'-GGA ATT CCC TTT CCT CAA CTG CCT TGC T-3'	1512bp
	R 5'-AAC CGG TTG CAA GCC TAT GAC ATG GTA ATG-3'	
LMP-1	F 5'-GGA ATT CCG CAA GCC TAT GAC ATG GTA ATG-3'	237bp
	R 5'-CCA CAA TTG ACG GAA GAG GT-3'	
6 E6	F 5'-CGG AAT TCC GAA TAG GAG GGA CCG AAA ACG-3'	591bp
	R 5'-CCG CTC GAG CGG CTA CAG GGT CTG GAG GTT GC-3'	
11 E6	F 5'-CGG AAT TCC GAA AAA GAG GAG GGA CCG AAA-3'	660bp
	R 5'-CCG CTC GAG CGG TTG TTT GTC CAC CTT GTC CA-3'	
11 E7	F 5'-CCG CTC GAG CGG AGT GGA AGG GTC GTT GCT TA-3'	260bp
	R 5'-GGA ATT CCC CGA CCC CTC ATT TTC TGT A-3'	
16 E6	F 5'-GAT GGG AAT CCA TAT GCT CTA-3'	240bp
	R 5'-TCG ACC GGT CCA CCG ACC CCT-3'	
16 E7	F 5'-GAA GAT CTT CGA AAC CCA GCT GTA ATC ATG C-3'	297bp
	R 5'-CCG CTC GAG CGG TTA TGG TTT CTG AGA ACA GA-3'	

Supplemental Table.2
Primary antibodies used for immunocytochemistry and immunohistochemistry

Primary antibody	Dilutions
Histone H2A.XS139ph (phospho Ser139) (Gene Tex)	1: 200
Paxillin (Gene Tex)	1: 400
GIT1 [N3C2], internal (Gene Tex)	1: 200
MMP2 (abcam)	1: 400