

Substrate	Cleavage Site Sequence
ZIKV C↓Ci	KERKRR↓GADTSIGI
ZIKV ns2A↓ ns2b	TRSGKR↓SWPPSEVL
ZIKV ns2B↓ns3	VKTGKR↓SGALWDVP
ZIKV ns3↓ns4A	FAAGKR↓GAALGVME
ZIKV ns4B↓ns5	GLVKRR↓GGGTGETL

SFRP1	
	↓
ZIKV ns2B ns3	VKT GKR SGALWDVP
ZIKV ns3 ns4A	FA AGKR GAALGVME
Homo sapiens	MGIGRS EGGR GAALGVLLALGAAL
Macaca mulatta	MGSGRS AGGR GAALGVLLALGAAL
Gorilla gorilla	MGSGRSV GRR GAALGVLLALGAAL
Pongo abelii	MGSGRSV GRR GAALGVLLALGAAL
Pan troglodytes	MGSGRSV GRR GAALGVLLALGAAL
Myotis lucifugus	MGSGRG AGGR GAAGVLLALAAGL
Tupaia chinensis	MGSGRG AGGR GAAGVLLALAAGL
Gallus gallus	MGVGRS EGGR GAALGVLLALGVAL
Equus caballus	MGSGRG AGGR GAAGVLLALAAGL
Xenopus laevis	-----MNGENGIWPLLLFWVTPGIL
Bos taurus	-----MG GR W AA AGALLALAAGL
Sus scrofa	-----MG GR W AA AGVLLALAAGL
Camelus dromedarius	-----MG GR W AA AGVLLALAAGL
Rattus norvegicus	MGVGRN AR RR GAASGVLLALAAAL
Mus musculus	MGVGRS AR RR GAASGVLLALAAAL

Chickens have a sequence identical to that of humans and develop microcephaly

Mice & Rat homologues are missing a conserved residue:

RR↓G
RG G