

Table S1. List of Antibodies and Dilutions Used for Experiments

Cell type / Target	Antigen	Supplier	Cat number	Dilution
ZIKV	Envelop protein (ENV)	BioFront Technologies	BF-1176-56	1:200 IF 1:1000 WB
ZIKV	Nonstructural protein 1 (NS1)	BioFront Technologies	BF-1225-46	1: 100 IF 1:1000 WB
Müller cell / Astrocytes	Glial fibrillary acidic protein (GFAP)	Cell Signaling Technology	12389S	1:200
Müller cell	Glutamine synthetase (GS)	Abcam	ab73593	1:200
Müller cell	CD44	eBioscience	11-0441-85	1:100
Microglia	Ionized calcium-binding adapter molecule 1 (IBA1)	Wako Pure Chemical Industries	019-19741	1:500
Retinal ganglion cell	RNA binding protein with multiple splicing (RBPMS)	EMD Milipore	ABN1362	1:100
Cone photoreceptor	Peanut agglutinin	Thermo Fisher Scientific	L21409	1:200
Apoptosis	Caspase3	Pharmingen	65906E	1:200
Inflammation	Interleukin 6 (IL6)	Santa Cruz Biotechnology	sc-1265	1:1500
Inflammation	Interleukin 1 β (IL1 β)	eBioscience	47-7114-80	1:1500
Angiogenesis	Vascular endothelial growth factor (VEGF)	R&D Systems	AF-493-NA	1:1000
Receptor tyrosine kinase	AXL	Santa Cruz Biotechnology	sc-1097	1:1000
Receptor tyrosine kinase	TYRO3	Santa Cruz Biotechnology	sc-166359	1:1200

IF: immunofluorescence; WB: Western blot

Table S2. List of Primers and Reference Genes

Gene Name	Forward (5'-3')	Reverse (5'-3')	Amplicon Size (bp)	Reference Sequence
<i>m_Axl</i>	CGG GGA AAG AAG TCT GGG AG	TTC AGG CCT GGA GTT TGC AG	813	NM_001190975.1
<i>m_Cd209a</i>	CCC TCT GGA TGA GGA ACT GCT	TCC AGC CGT CAT CTC TGA AC	608	NM_010502.2
<i>m_Tim1</i>	CTC CCA GGC GCT GTG GAT T	GGG ATT CCT GTC ACC TCA GC	557	XM_006532393.3
<i>m_Tyro3</i>	GAC TGG CTT CTC TGC TGC TC	CTG GGT CAC TCC TGT CAC AT	506	NM_019392.2
<i>m_Ifna1</i>	ACC CAG CAG ATC CTG AAC AT	AAT GAG TCT AGG AGG GTT GTA TTC C	74	NM_010502.2
<i>m_Ifna2</i>	GAA GGA CAG GCA GGA CTT TG	TTG AGC CTT CTG GAT CTG CT	67	NM_010503.2
<i>m_Ifna4</i>	TCA AGC CAT CCT TGT GCT AA	GTC TTT TGA TGT GAA GAG GTT CAA	64	NM_010504.2
<i>m_Ifnb1</i>	AAA GGA CGA ACA TTC GGA AA	GCC CTG TAG GTG AGG TTG AT	73	NM_010510.1
<i>m_Glul</i>	TTC CTC GTG CCC AGT TAA TC	CCC AGT GAA TAG GAT GGT TCT C	607	NM_008131.4
<i>m_Bdnf</i>	GCA TCT GTT GGG GAG ACA AG	AAG GAT GGT CAT CAC TCT TCT CA	94	NM_007540.4
<i>m_Cntf</i>	GAC CTG ACT GCT CTT ATG GAA TCT	GCC TGG AGG TTC TCT TGG A	149	NM_170786.2
<i>m_Igf1</i>	GAC CGA GGG GCT TTT ACT TC	CAT CCA CAA TGC CTG TCT GA	81	XM_017313812.1
<i>hu_Ifna1</i>	TGA TGA ATG CGG ACT CCA	TCT GTC AGA TAG AGA GTG ATT CTT CG	67	NM_024013.2
<i>hu_Ifna2</i>	AAT GGC CTT GAC CTT TGC TT	CAC AGA GCA GCT TGA CTT GC	67	NM_000605.3
<i>hu_Ifnb1</i>	CGA CAC TGT TCG TGT TGT CA	GAA GCA CAA CAG GAG AGC AA	67	NM_002176.3
<i>hu_Ifnγ</i>	GGC ATT TTG AAG AAT TGG AAA G	TTT GGA TGC TCT GGT CAT CTT	112	NM_000619.2
<i>ZIKV_Ns4</i>	GCC GGA ATA ACC TAC ACA GAT AG	CTC CTC TCT CCT TCC CAT TAG A	714	KU955593
<i>ZIKV_Ns1</i>	CAG GGC AGC AAA GAC AAA TAA C	GGG CCT TAT CTC CAT TCC ATA C	640	KU955593
<i>ZIKV_Pol</i>	GGT GTT GAA GGG CTA GGA TTA C	CTC CTC AAT CCA CAC TCT GTT C	948	KU955593

Table S3. List of siRNA Sequences

Gene Name	siRNA 1 (5'-3')	siRNA 2 (5'-3')
<i>m_Axl</i>	rGrUrG rArUrG rGrUrC rArArC rUrArC rArGrA rUrUrC rUrGA A rArArA rGrUrU rUrArG rUrCrC rArArG rGrUrU rCrUrA rGrAT T	rArArA rGrUrU rUrArG rUrCrC rArArG rGrUrU rCrUrA rGrAT T rArArU rCrUrA rGrArA rCrCrU rUrGrG rArCrU rArArA rCrUrU rUrArG
<i>m_Tyro3</i>	rGrArU rUrGrG rCrUrU rArCrU rCrArG rCrCrU rArArA rGrUC A rUrGrA rCrUrU rUrArG rGrCrU rGrArG rUrArA rGrCrC rArArU rCrCrA	rUrGrG rUrGrG rGrArU rArUrU rCrUrC rArGrG rUrCrU rGrAA T rArUrU rCrArG rArCrC rUrGrA rGrArA rUrArU rCrCrC rArCrC rArUrU
h_Axl	rGrArG rUrCrC rArArG rArArU rCrCrA rCrArU rUrUrC rUrAA A rUrUrU rArGrA rArArU rGrUrG rGrArU rUrCrU rUrGrG rArCrU rCrUrU	rGrArC rCrArC rUrGrA rArGrC rUrArC rCrUrU rGrArA rCrAG C rGrCrU rGrUrU rCrArA rGrGrU rArGrC rUrUrC rArGrU rGrGrU rCrCrG
h_Tyro3	rCrUrA rUrUrA rCrCrA rCrArC rUrUrG rGrGrG rUrUrU rArAA T rArUrU rUrArA rArCrC rCrCrA rArGrU rGrUrG rGrUrA rArUrA rGrCrU	rGrCrU rUrUrC rCrArG rCrArG rCrArA rCrGrC rUrArG rUrGT G rCrArC rArCrU rArGrC rGrUrU rGrCrU rGrCrU rGrGrA rArArG rCrUrU