

Supplementary sequence S1: pU6-antiCD105-146-ORT full sequence

AGGGCGAATTCTGCAGATAACCAATTCAGTCGACTGGATCCGGTACCAAGGTCGGGCAGGAAGAGGGCCTAT
TTCCCATGATTCCTTCATATTTGCATATACGATAACAAGGCTGTTAGAGAGATAATTAGAATTAATTTGACTGTAA
ACACAAAGATATTAGTACAAAATACGTGACGTAGAAAAGTAATAATTTCTTGGGTAGTTTGCAGTTTTAAAATTA
TGTTTTAAAATGGACTATCATATGCTTACCGTAACTTGAAAGTATTTGATTTCTTGGCTTTATATATCTTGTGGA
AAGGACGAAACACCGCCTGCTGTTTGTCTATAGCTTTGAAAAAGCTATAGATGACAAACAGCAGGTTTT
GCTAGCGCTACCGGACTCAGATCTCGAGCTCAAGCTTCGAATTAAGGTCGGGCAGGAAGAGGGCCTATTTCCC
ATGATTCCTTCATATTTGCATATACGATAACAAGGCTGTTAGAGAGATAATTAGAATTAATTTGACTGTAAACAC
AAAGATATTAGTACAAAATACGTGACGTAGAAAAGTAATAATTTCTTGGGTAGTTTGCAGTTTTAAAATTATGTT
TTAAAATGGACTATCATATGCTTACCGTAACTTGAAAGTATTTGATTTCTTGGCTTTATATATCTTGTGGAAG
GACGAAACACCGCCAACTGGTGTGCGTCTTCTGTTGAAAAACAAGAAGACGCACACCAGTTTTGGTTTTTCA
CACGTGCTAAAACCTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACCAAATC
CCTTAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTGAGATCCTTT
TTTTCTGCGCGTAATCTGCTGCTTCAAACAAAAAACACCGCTACCAGCGGTGGTTTTGTTTGCCGGATCAAG
AGCTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCAGCAGAGCGCAGATACCAAATACTGTTCTTCTAGTGTAG
CCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCAGCTACATACCTCGCTCTGCTAATCCTGTTACCAGTG
GCTGCTGCCAGTGCGGATAAGTCGTGTCTTACCGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAG
CGGTGCGGCTGAACGGGGGGTTCGTGCACACAGCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATAC
CTACAGCGTGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGG
CAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTTCCAGGGGGAAACGCCTGGTATCTTTATAGTCTGTCCG
GTTTCGCCACCTCTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTATGGAAAAACGCC
AGCAACGCGGCCTTTTTACGTTCTTGGCCTTTTGTGACATGTTCTTCTGCGTTATCCCCTG
ATTCTGTGATAACCGTATTACCGCTTTGAGTGAGCTGATACCGCTCGCCGAGCCGAACGACCGAGCGCAG
CGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCCAATACGCAAACCGCCTCTCCCCGCGGTTGGCCGATTCA
TTAATGCAGCTGGCACGACAGTTTTCCCGACTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGTTA
GCTCACTCATTAGGCACCCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGAGCGGAT
AACAATTTACACAGGAAACAGCTATGACCATGATTACGCCAAGCTATTTAGGTGACACTATAGAATACTCAAG
CTATGCATCAAGCTTGGTACCGAGCTCGGATCCACTAGTAACGGCCGCGCAGTGTGCTGGAATTCGCCCTATAA
TGCTAGCGGTCATGAAGCTTATCATCGATAAGCTCATAGACAGCCTGAAACAGGCGATGCTGCTTATCGAATC
AAAGCTGCCGACAACACGGGAGCCAGTGACGCCTCCCGTGGGGAAAAAATCATGGCAATTCTGGAAGAAATA
GCGCTTTCAGCCGGCAAACCGGCTGAAGCCGGATCTGCGATTCTGATAACAACTAGCAACACCAGAACAGCC
CGTTTGCGGGCAGCAAACCCGTACTTTTGGACGTTCCGGCGGTTTTTTGTGGCGAGTGGTTCGGGCGGTG
CGCGCAAGATCCATTATGTTAAACGGGCGAGTTTACATCTCAAACCCCGCTTAACACCATTTCATGAGGCCG
CTAGCATTATA

Supplementary sequence S2: pEmpty-ORT full sequence

GTGCTAAAACCTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACCAAATCCCT
TAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTGAGATCCTTTTTTT
CTGCGCGTAATCTGCTGCTTCAAACAAAAAACACCGCTACCAGCGGTGGTTTTGTTTGCCGGATCAAGAGC
TACCAACTCTTTTTCCGAAGGTAAGTGGCTTACGAGAGCGCAGATACCAAATACTGTTCTTCTAGTGTAGCCG
TAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCAGCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCT
GCTGCCAGTGCGGATAAGTCGTGTCTTACCGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGG
TCGGGCTGAACGGGGGGTTCGTGCACACAGCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTA
CAGCGTGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAG
GGTCGGAACAGGAGAGCGCACGAGGGAGCTTCCAGGGGGAAACGCCTGGTATCTTTATAGTCTGTCGGGTT
TCGCCACCTCTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTATGGAAAAACGCCAGC

AACGCGGCCTTTTTACGGTTCCTGGCCTTTTGCTGGCCTTTTGCTCACATGTTCTTTCCTGCGTTATCCCCTGATT
 CTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGAGCCGAACGACCGAGCGCAGCGA
 GTCAGTGAGCGAGGAAGCGGAAGAGCGCCCAATACGCAAACCGCCTCTCCCCGCGCGTTGGCCGATTACATTA
 ATGCAGCTGGCACGACAGGTTTCCCAGCTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGTTAGCT
 CACTCATTAGGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGAGCGGATAAC
 AATTTACACAGGAAACAGCTATGACCATGATTACGCAAGCTATTTAGGTGACACTATAGAATACTCAAGCTA
 TGCATCAAGCTTGGTACCGAGCTCGGATCCACTAGTAACGGCCCGCAGTGTGCTGGAATTCGCCCTTATAATGC
 TAGCGGTCATGAAGCTTATCATCGATAAGCTCATAGACAGCCTGAAACAGGCGATGCTGCTTATCGAATCAAA
 GCTGCCGACAACACGGGAGCCAGTGACGCCTCCCGTGGGGAAAAAATCATGGCAATTCTGGAAGAAATAGCG
 CTTTCAGCCGGCAAACCGGCTGAAGCCGGATCTGCGATTCTGATAACAACTAGCAACACCAGAACAGCCCCT
 TTGCGGGCAGCAAACCCGTACTTTTGGACGTTCCGGCGGTTTTTTGTGGCGAGTGGTGTTCGGGCGGTGCGC
 GCAAGATCCATTATGTTAAACGGGCGAGTTTACATCTCAAACCGCCCGCTTAACACCATTATGAGGCCGCTA
 GCATTATAAGGGCGAATTCTGCAGAT

Supplementary table S3. qRT-PCR oligonukleotides

	Oligonucleotides (IDT, USA)	Primer sequence
STING	mSTINGF	GTCCTCTATAAGTCCCTAAGCATG
	mSTINGR	AAGATCAACCGCAAGTACCC
IL1 β	IL1b-140f	AGTTGACGGACCCCAAAAGA
	IL1b-232r	TGCTGCTGCGAGATTGAAG
IFN β 1	IFNb1-241F	TGCCATCCAAGAGATGCTCCAGAA
	IFNb1-364R	AGAAACACTGTCTGCTGGTGGAGT
TNF α	TNF α F	CCCTCCAGAAAAGACACCATG
	TNF α R	GTCTGGGCCATAGAACTGATG

Supplementary table S4. qRT-PCR cycling conditions using a qRT-PCR Kit - Syber Select Master Mix (Thermo Fisher scientific)

Number of cycles	Temperature	Time
1	50 °C	2 min
	95 °C	2 min
40	95 °C	15 sec
	60 °C	15 sec
1	72 °C	1 min