

SUPPLEMENTAL MATERIAL

Pokatayev et al., <http://www.jem.org/cgi/content/full/jem.20151464/DC1>

Table S1, available as an Excel file, shows RNA-seq data from E18.5 MEFs

Table S2. shRNA oligo sequence

Gene name	Oligo sequence (5' to 3')
CGAS Fwd	ACGAGAGCCGTTTTATCTCGTACCC
CGAS Rev	TGTCGGGAAGATTCACAGCATGTTT
STING Fwd	TCAGTGGTGCAGGGAGCCGA
STING Rev	CGCCTGCTGGCTGTCCGTTC
MAVS Fwd	CCTCCGGGGACCTCACTCCG
MAVS Rev	TGGGGACTCTGGTGGCTGGG
TBK1 Fwd	CCAGTGGATGTTCAAATGAGAGAAT
TBK1 Rev	TCTAGAACAGTGTATAAACTCCAC
CXCL10 Fwd	GGGATCCCTCTCGAAGGACGGTCC
CXCL10 Rev	ACGCTTTCATTAATTTCTTGATGGT
IFIT1 Fwd	ACGCTTTCATTAATTTCTTGATGGT
IFIT1 Rev	TGCTCAGCTGCTCGCTCTGGATCAA
RSAD2 Fwd	AACCTGCTCATCGAAGCTGT
RSAD2 Rev	ATAGTGAGCAATGGCAGCCT
IFIT3 Fwd	TGGCCTACATAAAGCACCTAGATGG
IFIT3 Rev	CGCAAACTTTTGGCAAACCTGTCT
LINE-1 5' UTR Fwd	GGCGAAAGGCCAAACGTAAGA
LINE-1 5' UTR Rev	GGAGTGCTGCGTTCTGATGA
LINE-1 ORF2 Fwd	GGAGGGACATTTTCATTCTCATCA
LINE-1 ORF2 Rev	GCTGCTCTTGATTTGGAGCATAGA
Sh-Control (Luciferase) sense	CCGG AACTTACGCTGAGTACTTCTCGA CTCGAG TCGAAGTACTCAGCGTAAGTT TTTTTG
Sh-Control (Luciferase) as	AATTCAAAAAACTTACGCTGAGTACTTCTCGACTCGAGTCTCGAAGTACTCAGCGTAAGTT
Sh-mcGAS sense	CCGG AGGATTGAGCTACAAGAATAT CTCGAG ATATTCTGTAGCTCAATCCT TTTTTG
Sh-mcGAS as	AATTCAAAAAGGATTGAGCTACAAGAATATCTCGAGATATTCTGTAGCTCAATCCT
Sh-mSting sense	CCGGCAACATTCCGATTCCGAGATATCTCGAGATATCTCGAATCGAATGTTGTTTTTG
Sh-mSting as	AATTCAAAAACAACATTCCGATTCCGAGATATCTCGAGATATCTCGAATCGAATGTTG
Sh-mTBK1 sense	CCGGCCAGAATCAGAATTTCTATTCTCGAGAATGAGAAATTTCTGATTCTGGTTTTTG
Sh-mTBK1 as	AATTCAAAAACCAGAATCAGAATTTCTATTCTCGAGAATGAGAAATTTCTGATTCTGG
Sh-mMavs sense	CCGGGCTCTTTGATACCCTCTCCTACTCGAGTAGGAGAGGGTATCAAAGAGCTTTTTG
Sh-mMavs as	AATTCAAAAAGCTCTTTGATACCCTCTCCTACTCGAGTAGGAGAGGGTATCAAAGAGC

All oligos were synthesized by Sigma-Aldrich and subsequently cloned into pLKO.1 (Addgene). Quantitative PCR primers of ISGs and control genes were previously published (Hasan et al., 2013).

REFERENCE

Hasan, M., J.Koch, D.Rakheja, A.K.Pattnaik, J.Brugarolas, I.Doarmorov, B.Levine, E.K.Wakeland, M.A.Lee-Kirsch, and N.Yan. 2013. Trex1 regulates lysosomal biogenesis and interferon-independent activation of antiviral genes. *Nat. Immunol.* 14:61–71. <http://dx.doi.org/10.1038/ni.2475>