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711 **Table S1:** Primer sequences for generation of RIG-I and MDA5 CRISPR cell lines

Gene	Primer	Sequence
Ddx58	Ddx58.g19.F	5'- CACCGAAGAACAACAAGGGCCCAA-3'
	Ddx58.g19.R	5'- AAACCTTGGGCCCTTGTTGTTCTTC-3'
	Ddx58.g28.F	5'- CACCGATATCATTGGATCAACTG-3'
	Ddx58.g28.R	5'- AAACCAGTTGATCCAAATGATATC-3',
	Ddx58.g36.F	5'- CACCGTGGATTGTTGATAAAGGTG-3'
	Ddx58.g36.R	5'- AAACCACCTTTATCAACAATCCAC-3'
Ifih1	Ifih1.g24.F	5'-CACCGTGTGGGTTTGACATAGCGCG-3'
	Ifih1.g24.R	5'-AAACCGCGCTATGTCAAACCCACAC-3'

lfih1.g69.F	5'-CACCGTTGGCGCAGAACATCCAGGA-3'
lfih1.g69.R	5-AAACTCCTGGATGTTCTGCGCCAAC-3'
lfih1.g81.F	5'-CACCGCGTAGACGACATATTACCAG-3'
lfih1.g81.R	5-AAACCTGGTAATATGTCGTCTACGC-3'

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713 **Table S2:** KC344519 E1 gene block

714 **CGACCACGATGCCGAGCCAAGCGGGAATCTCGTATAAC**ACCATAGTCAACAGAGCAGGC
715 TACGCGCCACTCCCTATCAGCATAACACCAACAAAGATCAAGCTGATACCCACAGTGA
716 TGGAGTACGTACCTGCCATTACAAAACAGGAATGGATTACCAGCCATCAAATGCTGCGG
717 ATCTCAGGAATGCACTCCAACCTACAGGCCGATGAACAGTGCAAAGTCTTACAGGGGTT
718 TACCCGTTTCATGTGGGGAGGTGCATATTGCTTTTGCGACACTGAGAACACCCAAGTCAGCA
719 AGGCCTACGTAATGAAATCTGACGACTGCCTTGC GGATCACGCTGAAGCATACAAAGCGC
720 ACACAGCCTCAGTGCAGGCATTCTCAACATCACAGTGGGAGAACACTCCATTGTGACCAC
721 CGTGTACGTGAATGGAGAACTCCTGTGAACTTCAATGGGGTCAAATAACTGCAGGTCCA
722 CTTTCCACAGCTTGGACACCCTTTGACCGCAAATCGTGCAGTATGCCGGGGAGATCTATA
723 ATTACGATTTTCTGAGTATGGGGCAGGACAACCAGGAGCATTCCGAGACATAACAATCCAG
724 AACAGTCTCAAGCTCAGATCTGTATGCCAATACCAACCTAGTGCTGCAGAGACCCAAAGCA
725 GGAGCGATCCATGTGCCATACTCAGGCACCATCGGGTTTTGAGCAATGGAAGAAAGAT
726 AAAGCTCCGTCATTGAAATTCACCGCCCCTTTCCGGATGCGAAATATATACAAACCCCATTC
727 GCGCCGAAAATTGTGCTGTAGGGTCAATTCCATTAGCCTTTGACATCCCTGACGCCCTGTT
728 CACCAGGGTGTGAGAAACACCGACACTTTCAGCGGCCGAATGTACTCTTAATGAGTGCGT
729 GTATTCATCCGACTTTGGCGGGATCGCCACGGTCAAGTATTCGGCCAGCAAGTCAGGCAA
730 GTGCGCAGTCCATGTGCCATCAGGGACTGCTACCCTAAAAGAAGCAGCAGTCGAGCTAAC
731 CGAGCAAGGGTCCGCGACCATTCAATTTCTCGACCGCAAATATCCACCCGGAGTTCAGGCT
732 CCAAATATGCACATCATATGTCACGTGCAAAGGTGATTGTCACCCCCGAAAGACCACATT
733 GTGACACACCCCCAGTATCACGCCCAAACATTACAGCCGCGGTGTCAAAAACCGCGTGG

734 ACGTGGTTAACATCCCTGCTGGGAGGATCG**GCCGTAATTATTATAATTGGCTTGGTGCTG**

735 **GCTACTATTGTGGCCATGTACGTGCTGACC**

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738 **Table S3 DsiRNA sequences**

Gene	duplex name	DsiRNA sequence
<i>Ehmt2</i>	mm.Ri.Ehmt2.13.1	AUCAAUGCAGUAAACCUCGCCAUCCUU
	mm.Ri.Ehmt2.13.2	GGUAAGAAUCAUCCUCUCUCACAUCAG
	mm.Ri.Ehmt2.13.3	UACCAAACCCAACAUUUAUUGAGAACA
<i>Zc3h4</i>	mm.Ri.Zc3h4.13.1	ACAAUUUAUGACUCAAGAAAGUACUA
	mm.Ri.Zc3h4.13.2	UAUAAUUUACACGGAAAGUCACCAUGC
	mm.Ri.Zc3h4.13.3	UGUCCUUGGACCUGCGGUACUGGUUCA
<i>Thrap3</i>	mm.Ri.Thrap3.13.1	UUUAGUAAAGCGUUCAUGCAAUGUCAU
	mm.Ri.Thrap3.13.2	GUCGUCAUGCAAGUAAUACUUCUUGCU
	mm.Ri.Thrap3.13.3	AAUUCAGAAGUUUCUUAGAAAACCGUC
<i>Syncrip</i>	mm.Ri.Syncrip.13.1	CUGAAGUAGUAUCCAUGGGCUCUUCAG
	mm.Ri.Syncrip.13.2	AGUAGUAAUCAUCAUACAUUUGAUUCU
	mm.Ri.Syncrip.13.3	GAAUGAAAGCAUAAUCUUUUAGCUUCU
<i>Bclaf1</i>	mm.Ri.Bclaf1.13.1	UGACCUUGGACUAUUAUCAUAAGCUGA
	mm.Ri.Bclaf1.13.2	UAUGUAAGCUAUCCAUCAGGUACUAG
	mm.Ri.Bclaf1.13.3	ACUCUUUAUCACUAAAGUAAUCUAGAA
<i>Fbl</i>	mm.Ri.Fbl.13.1	CAGAUAAAGACACCUUCAUGACGAUGC
	mm.Ri.Fbl.13.2	CAGGAUAAUGUUAGUCCUCUUCUUGG
	mm.Ri.Fbl.13.3	UCUGCUGACGCAGUGGAGUCA AUGCAG
<i>Chtop</i>	mm.Ri.Chtop.13.1	ACAUUUCCA AUUUACUACCUUCACUA

	mm.Ri.Chtop.13.2	UUUAGUUUUCGACAUGUAUGCAUCCAA
	mm.Ri.Chtop.13.3	CUGCUUAAGUUUUAAUGCUGCCUGGAC
<i>Ubap2l</i>	mm.Ri.Ubap2l.13.1	CCUGUUGUACUGCCACCUUUAGCUUCC
	mm.Ri.Ubap2l.13.2	AAGUGGAAGGUGAUUCAGAUUUCACUG
	mm.Ri.Ubap2l.13.3	CUGUGAUUAUCAAUCAAUUGUUUCACCU
<i>Dhx38</i>	mm.Ri.Dhx38.13.1	AUCUUCAUGCAAGUACUGGGUCAGCUG
	mm.Ri.Dhx38.13.2	ACAGGUGUACCUGCAAGGACUGCUUCA
	mm.Ri.Dhx38.13.3	ACAGAUGAACACGCAGGUGAAAGCCUU
<i>Hnrnpr</i>	mm.Ri.Hnrnpr.13.1	GUCAUUGUACUCUAUAUAGGUUUAACC
	mm.Ri.Hnrnpr.13.2	AACCUAGGUAAGGUUUCUUAUUUUGAU
	mm.Ri.Hnrnpr.13.3	AAUUCUUGGUUGUCAUUAUUGUAACCA
<i>Ubtf</i>	mm.Ri.Ubtf.13.1	UACCGUACUCGGAAUUUCGAAAAGAGA
	mm.Ri.Ubtf.13.2	CUCCAUUCUUAAGGCAUGUAACUGU
	mm.Ri.Ubtf.13.3	UUUGUAAGGGUUUUUAACAUGUUCUG
<i>Ddx58</i>	mm.Ri.Ddx58.13.1	CACCUACAACUAUUUCCAAAGUUUUC
	mm.Ri.Ddx58.13.2	GAUCUCAAUGAACAUUAAGUAGUCA
	mm.Ri.Ddx58.13.3	AAGCUCUAAGGUCAGUAUUUUUAACUU
<i>Ifih1</i>	mm.Ri.Ifih1.13.1	ACCUACUCCGUAGAAUAGCUAUUCGUC
	mm.Ri.Ifih1.13.2	AGGCUCUCUUCUACUACAUAUUUCGAU
	mm.Ri.Ifih1.13.3	GUUGUAGUACUCUGCUAUAACUUCGU
<i>Mavs</i>	mm.Ri.Mavs.13.1	ACGUAUGUAACUACGAUUUAUAAGAU
	mm.Ri.Mavs.13.2	UCUAACCAGGGUCAUUUUUGGUACAGA
	mm.Ri.Mavs.13.3	UGGACAAAGUCAUGAUGUGAGUGGUUA

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