

Supplementary Table 1: Nomenclature of risk variants

Experiment	Control		Risk		Figure
	Protein	Genotype Nomenclature	Protein	Genotype Nomenclature	
Primary Human PBMCs	IFIH1 ^{Ala946/Ala946}	<i>IFIH1</i> ^{NR/NR}	IFIH1 ^{Thr946/Thr946}	<i>IFIH1</i> ^{R/R}	Figure 1A-C
Primary Human PBMCs	IFIH1 ^{Arg843/Arg843} IFIH1 ^{Ala946/Ala946}	<i>IFIH1</i> ^{NR/NR}	IFIH1 ^{Arg843/Arg843} IFIH1 ^{Thr946/Thr946}	<i>IFIH1</i> ^{R/R}	Figure 1D-F
<i>In vitro</i> HEK293T cells	IFIH1 ^{Arg843} IFIH1 ^{Ala946}	mIFIH1 ^{NR}	IFIH1 ^{Arg843} IFIH1 ^{Thr946}	mIFIH1 ^R	Figure 2,6
<i>In vivo</i> Murine model	IFIH1 ^{Arg843/Arg843} IFIH1 ^{Ala946/Ala946}	<i>Ifih1</i> ^{NR/NR}	IFIH1 ^{Arg843/Arg843} IFIH1 ^{Thr946/Thr946}	<i>Ifih1</i> ^{R/R}	Figure 3-4
<i>In vivo</i> Murine model	IFIH1 ^{Arg843/Arg843} IFIH1 ^{Ala946/Ala946} PTPN22 ^{Arg619/Arg619}	<i>Ifih1</i> ^{NR/NR} <i>Ptpn22</i> ^{NR/NR}	IFIH1 ^{Arg843/Arg843} IFIH1 ^{Ala946/Thr946} PTPN22 ^{Arg619/Trp619}	<i>Ifih1</i> ^{NR/R} <i>Ptpn22</i> ^{NR/R}	Figure 5
			IFIH1 ^{Arg843/Arg843} IFIH1 ^{Ala946/Ala946} PTPN22 ^{Arg619/Trp619}	<i>Ifih1</i> ^{NR/NR} <i>Ptpn22</i> ^{NR/R}	
			IFIH1 ^{Arg843/Arg843} IFIH1 ^{Ala946/Thr946} PTPN22 ^{Arg619/Arg619}	<i>Ifih1</i> ^{NR/R} <i>Ptpn22</i> ^{NR/NR}	

Supplementary Table 2. RT-PCR Primers

Primer	Sequence	Ref
hu <i>HPRT</i> -F	5'-GTTGGATATAAGCCAGACTTTGTTG	
hu <i>HPRT</i> -R	5'-AGGGAAGCTGATAGTCTATAGGCT	
hu <i>IFNB1</i> -F	5'-TGCTTCTCCACGACAGCTCTTT	
hu <i>IFNB1</i> -R	5'-CCCATTCAATTGCCACAGGA	
ms <i>Ifnb1</i> -F	5'-ATGAGTGGTGGTTGCAGGC	
ms <i>Ifnb1</i> -R	5'-TGACCTTTCAAATGCAGTAGATTCA	
ms <i>Hprt</i> -F	5'-TTGCTGACCTGCTGGATTACA	
ms <i>Hprt</i> -R	5'-CCCCGTTGACTGACTGATCATTACA	
ms <i>Ifih1</i> -F	5'-AGATCAACACCTGTGGTAACACC	
ms <i>Ifih1</i> -R	5'-CTCTAGGGCCTCCACGAACA	
ms <i>Ifit1</i> -F	5'-TGCTGAGATGGACTGTGAGG	1
ms <i>Ifit1</i> -R	5'-CTCCACTTTCAGAGCCTTCG	1
ms <i>Isg15</i> -F	5'-AAG CAG CCA GAA GCA GAC TC	1
ms <i>Isg15</i> -R	5'-CAC CAA TCT TCT GGG CAA TC	1
ms <i>Mx1</i> -F	5'-GGC AGA CAC CAC ATA CAA CC	1
ms <i>Mx1</i> -R	5'-CCT CAG GCT AGA TGG CAA G	1

1. Buechler, M. B., Teal, T. H., Elkon, K. B. & Hamerman, J. A. Cutting edge: Type I IFN drives emergency myelopoiesis and peripheral myeloid expansion during chronic TLR7 signaling. *J. Immunol.* **190**, 886–891 (2013).