

**Supplementary Table 1. Patient information**

Group	No.	Gender	Age
Healthy controls	1	Male	22
	2	Female	73
	3	Female	24
	4	Male	15
	5	Female	22
	6	Female	15
	7	Female	38
	8	Male	30
	9	Male	21
	10	Female	16
	11	Female	23
	12	Female	27
	13	Male	23
	14	Male	20
	15	Male	43
	16	Male	22
	17	Female	59
	18	Male	29
	19	Male	38
	20	Female	32
	21	Female	14
	22	Male	32
	23	Female	59
	24	Male	40
	25	Female	38
	26	Female	62
	27	Female	29
	28	Male	16
	29	Female	28
	30	Female	27
	31	Male	35
	32	Male	45
	33	Female	28
	34	Male	60

Pulmonary tuberculosis patients	1	Male	59
	2	Male	30
	3	Female	43
	4	Male	62
	5	Female	30
	6	Female	60
	7	Female	19
	8	Male	48
	9	Female	30
	10	Male	20
	11	Female	28
	12	Female	27
	13	Male	25
	14	Female	24
	15	Male	21
	16	Female	25
	17	Female	58
	18	Female	51
	19	Male	59
	20	Male	48
	21	Female	25
	22	Female	25
	23	Male	59
	24	Male	25
	25	Male	38

**Supplementary Table 2. Sequences of siRNA and primers**

siRNA			
SiRNA	Targeting sequence	Accession number	
sh- <i>CEBPB</i> -1	5'-CAUCGACUUCAGCCCGUACCUTT-3'	NM_005194.4	
sh- <i>CEBPB</i> -2	5'-GCCCTGAGTAATCGCTTAA-3'		
si- <i>STAT1</i> -1	5'-GCAGCACAACATACGGAAA-3'	XM_054343560.1	
si- <i>STAT1</i> -2	5'-GCTGAACTATAACTTGAAA-3'		
qPCR primers			
Gene	Primer pairs	Amplicon	Accession number
<i>Actin</i>	FP: 5'-TCAAGATCATTGCTCCTCCTGAG-3' RP: 5'-ACATCTGCTGGAAGGTGGACA-3'	87 bp	NM_00110 1.5
<i>DEFB1</i>	FP: 5'-GGTAACTTTCTCACAGGCCTTGG-3' RP: 5'-TCCCTCTGTAACAGGTGCCTTG-3'	124 bp	NM_00521 8.4
<i>CEBPB</i>	FP: 5'-AGAAGACCGTGGACAAGCACAG-3' RP: 5'-CTCCAGGACCTTGTGCTGCGT-3'	125 bp	NM_00519 4.4
<i>STAT1</i>	FP: 5'-ATGGCAGTCTGGCGGCTGAATT-3' RP: 5'-CCAAACCAGGCTGGCACAATTG-3'	144 bp	XM_05434 3560.1
CHIP site 1	FP: 5'-CCACTGCGCCCTGACC-3' RP: 5'-TGGGGAGGCTTCCAGGTTAT-3'	220 bp	NC_000008 .11
CHIP site 2	FP: 5'-TGCTCAGGGCAAATGACACC-3' RP: 5'-ACCCAGGATTTTCAGGAACTGG-3'	193 bp	NC_000008 .11
PCR primers for human identification			
Gene	Primer pairs	Amplicon	
<i>Defb1</i> -sg-F1	5'-TGGGCCTTCATAGGTAACCTGTC-3'	Wt: none	
<i>Defb1</i> -sg-R1	5'-AAACTACTACATCATGTGTGCCATC-3'	KO: 559 bp	
<i>Defb1</i> -wt-F2	5'-TGGGCCTTCATAGGTAACCTGTC-3'	Wt: 654 bp	
<i>Defb1</i> -wt-R2	5'-GAATGGCTCAATACATTTGACGCTC-3'	KO: none	
PCR primers for plasmid construction			
Gene	Primer pairs	Amplicon	
<i>DEFB1</i>	FP: 5'-CGGGATCCATGAGAACTTCCTACCTTCT-3' RP: 5'-CGTCTAGACTTGCAGCACTTGGCCT-3'	220 bp	
<i>CEBPB</i>	FP: 5'-CGGAATTCATGCAACGCCTGGTGG-3' RP: 5'-CGGGATCCGCACTGGCCGGAGGA-3'	1051 bp	
<i>STAT1</i>	FP: 5'-CGGCTAGCGCCACCATGTCTCAGTGGTACGAACTTC-3' RP: 5'-CGGGATCCCGTACTGTGTTTCATCATACTGTCTGAAT-3'	2274 bp	
<i>DEFB1</i> -promoter FL	FP: 5'-CGGGTACCACCACACCCAGCTAATTTTTG-3' RP: 5'-CCAAGCTTAAGTAAGCAGAGAGTAAACAG-3'	2201 bp	
<i>DEFB1</i> -promoter Δ1	FP: 5'-CGGGTACCAGCTTGAAGGTGCCTGAGATATT-3' RP: 5'-CCAAGCTTAAGTAAGCAGAGAGTAAACAG-3'	1928 bp	
<i>DEFB1</i> -promoter Δ2	FP: 5'-CGGGTACCAATAACCTGGAAGCCTCCCC-3' RP: 5'-CCAAGCTTAAGTAAGCAGAGAGTAAACAG-3'	1869 bp	

<i>DEFB1</i> - promoter Δ3	FP: 5'-CGGGTACCAATAACCTGGAAGCCTCCCC-3' 5'-CCAAGCTTAATCGCTAACCCCTGGTGTC-3'	1651 bp
<i>DEFB1</i> - promoter Δ4	FP: 5'-CGGGTACCACCACACCCAGCTAATTTTGG-3' RP: 5'-CCAAGCTTAATCGCTAACCCCTGGTGTC-3'	1983 bp
<i>DEFB1</i> - promoter Δ5	FP: 5'-CGGGTACCAGCTTGAAGGTGCCTGAGATATT-3' RP: 5'-CCAAGCTTAATCGCTAACCCCTGGTGTC-3'	1710 bp
<b>gDNA for <i>DEFB1</i> knockout with CRISPR-Cas9</b>		
<b>Gene</b>	<b>gDNA</b>	<b>Amplicon</b>
<i>DEFB1</i> -sg- top	5'-CACCGAAGTTCTCATGGCGACTGGC-3'	21 bp
<i>DEFB1</i> -sg- bottom	5'-AAACGCCAGTCGCCATGAGAACTTC-3'	