

Screening and identification of lncRNAs as potential biomarkers for pulmonary tuberculosis

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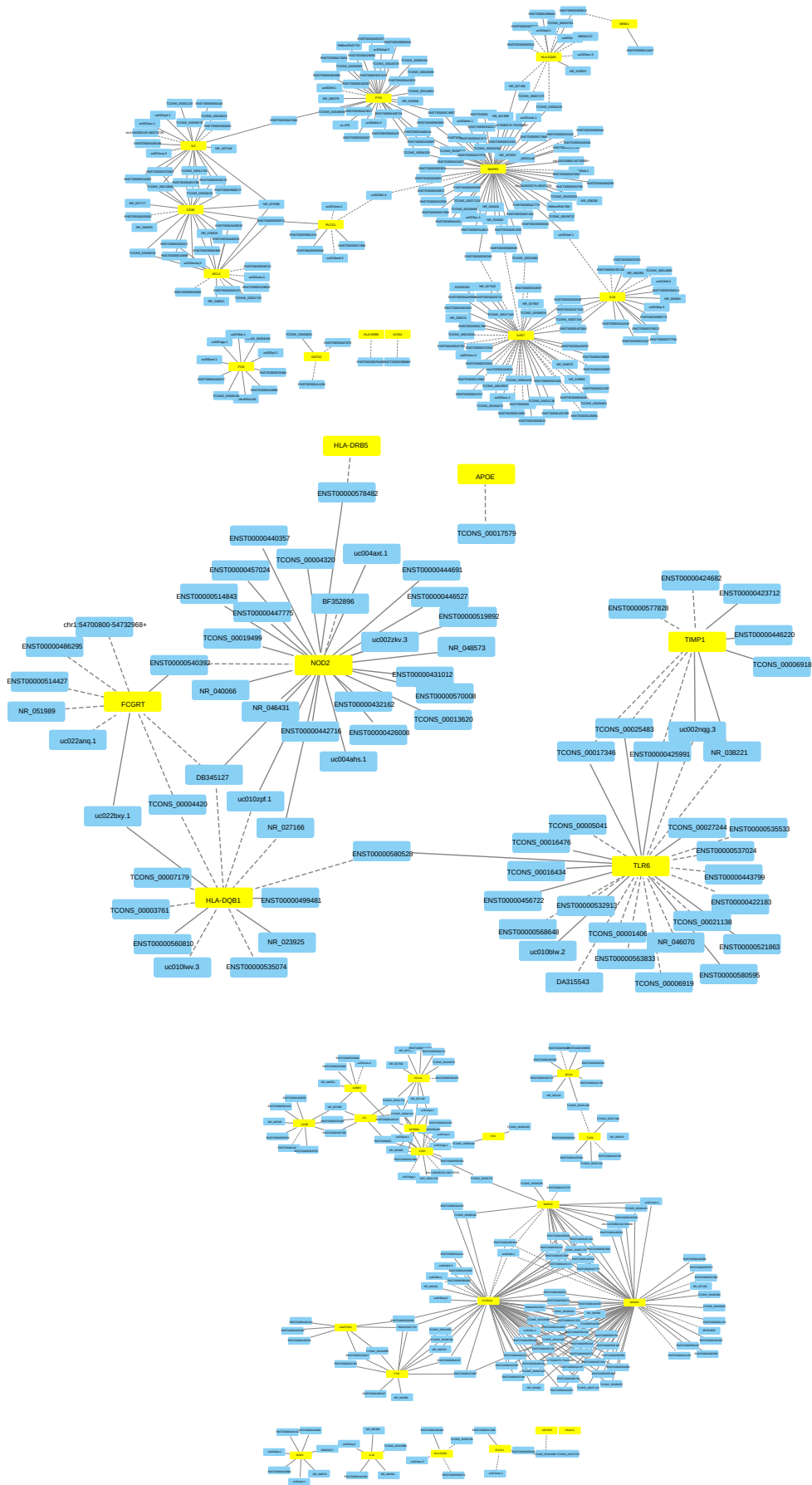
Supplementary Table 1: GO and KEGG categories

1. Potentially associated with the regulation and differentiation of T cell;GO:0045060	negative thymic T cell selection
GO:0043383	negative T cell selection
GO:0045058	T cell selection
GO:0046635	positive regulation of alpha-beta T cell activation
GO:0046634	regulation of alpha-beta T cell activation
GO:0046631	alpha-beta T cell activation
GO:0050870	positive regulation of T cell activation
GO:0045639	positive regulation of myeloid cell differentiation
hsa04660	T cell receptor signaling pathway - Homo sapiens (human)
2. Antigen presentation and transmembrane signal transduction GO:0042611	MHC protein complex
GO:0002504	antigen processing and presentation of peptide or polysaccharide antigen via MHC class II
GO:0042613	MHC class II protein complex
GO:0016045	detection of bacterium
GO:0051043	regulation of membrane protein ectodomain proteolysis
3. Intracellular signal transduction pathway;GO:0007243	intracellular protein kinase cascade
GO:0007263	nitric oxide mediated signal transduction
GO:0071346	cellular response to interferon-gamma
hsa04630	Jak-STAT signaling pathway - Homo sapiens (human)

Supplementary Table 2: lncRNA and primer

LncRNAs selected for further verification	
ENST00000422183-F	AGTCCTAAAGAGCAAGCCTA
ENST00000422183-R	CCGACTCTCCATACCCAA
ENST00000568177-F	ATCGCCATTCTCCAGTCT
ENST00000568177-R	TAATCCTCCTCAGCACAGA
NR_003142-F	CGTCACCCGAAAAGCGACT
NR_003142-R	CGCGGACGTTTATAGCCACT
NR_038221-F	GGCAGCAGGAGAAGAATC
NR_038221-R	GAAGCAGTCAGAGGATGTAA
ENST00000449589-F	TGGATAGCACCTTATGGACAG
ENST00000449589-R	CCTCATCATTCTAGCACTCAAG
ENST00000570366-F	CTGATTCCCGACATACAGCA
ENST00000570366-R	TAAATCATGGCTCTAAGACGAC
18S-F	CGGCTACCACATCCAAGGAA
18S-R	GCTGGAATTACCGCGGCT
All other lncRNAs	
ENST00000537024-F	AATG TTCAGCCCACAAGAGC
ENST00000537024-R	TCATGTATTTTCACTGTCGGTCA
TCONS_00023029-1F	GCTCAGCGCGACACCACGACCAC
TCONS_00023029-1R	GGGTCCTGGTTCCTTTGACTATCGCTT
TCONS_00023029-2F	AGCACAGCCCCTCTCTCCGT
TCONS_00023029-2R	TCCTGGTTCCTTTGACTATCGCTT
ENST00000432162-F	ATTTCCCCAAGAGCATACCAC
ENST00000432162-R	ACAAAGGCAGAACATCCCAT
TCONS_00006918-F	AACTGTTCTTAGGTAGCTCGT
TCONS_00006918-R	GCAATAGATATAGTACCGCAAG
uc010mmq.1-F	CCTGGTCTGTTCTGTATTGT
uc010mmq.1-R	GCCTCTACTTCGGTCTCT
ENST00000474667-F	TTAGGAGAGGCTGCGAAT
ENST00000474667-R	GAGAGGCTGGAGTGTTAAG
TCONS_00029621-F	AGGACACAGCAAGAAGGT
TCONS_00029621-R	CAGCACTGACAGATCAACA
ENST00000580993-F	CGCAGTCACTAGAAGTTCAT
ENST00000580993-R	CGTGTTACTCAGCTCCATT
ENST00000457658-F	TTTGCTTACTTGGGACGTT
ENST00000457658-R	CGAGCTTACACGGACTCCA
ENST00000442823-F	GCCTTACCGTATAACTGACT
ENST00000442823-R	TTACAGACTCCAGCAGGTA
ENST00000427373-F	TCAGCAGGAGGAGATAAAG
ENST00000427373-R	GCGAGCAAGTGGTTAGAA
uc004dvh.2F	TGGAATAGCAGGCATAACC

uc004dvh.2-R	CATTAGTAACAGGAAGAGGAAG
ENST00000443799-F	ATTATCTTAACTGAGGCACCCAA
ENST00000443799-R	CAAGACAAGAATCCGCCAT
ENST00000563833-F	GCATACAGACAGACGGACACA
ENST00000563833-R	GGCTATGGACCGCATGACTCT
TCONS_00027244-F	CCAGCAATACATCTCAAGCACT
TCONS_00027244-R	TTTGTGACATATTGCTATACCCAGA
ENST00000414345-F	TTCAAGCACTATCCGATTCA
ENST00000414345-R	CCAGAAGAAGAAGGCAACA
TCONS_00019576-F	ATCACTCTGCCACCATCT
TCONS_00019576-R	TGTTTACAATTCACGCTCTG
TCONS_00001219-F	ACCTCTCACATGGACCTT
TCONS_00001219-R	CACAGCCTAATAGCACAGA
ENST00000421297-F	TGAGGACATAAGGACAGATG
ENST00000421297-R	AAGAAGAAGCAAGTTGATGG
ENST00000580595-F	GTCCTGAGTTCTCTTCCTG
ENST00000580595-R	ACCGTTACCATTACTGAGTT
ENST00000521863-F	CGTCGCTGTTATCTCATTGTCT
ENST00000521863-R	ATCAAGGTCCGCTGTGAAC
TCONS_00016476-F	TTGAGGCTTCCAGGCACT
TCONS_00016476-R	CCCACTGAGGAGATTGTTCT
TCONS_00025483-F	CCTTACCACACCGCTCTTC
TCONS_00025483-R	GGCTCTCTTGGGTCTAACTG
TCONS_00001406-F	GAGGAAGGAGGAGTGTGAAC
TCONS_00001406-R	CGAGGAGGAGGATGAAGGT



Supplementary Figure S1. The complete results of the CNC network. CNC analysis results according to three categories: (i) Potentially associated with the regulation and differentiation of T cell; (ii) Antigen presentation and transmembrane signal transduction; and (iii) The intracellular signal transduction pathway.