

Known host-pathogen protein-protein interactions							
	<i>Mycobacterium tuberculosis</i>			Human			
S. no.	Uniprot ID of H37Rv	Protein description	Gene A	Uniprot ID	Protein description	Gene B	Source DB
1	HBHA_MYCTU	Iron-regulated heparin binding hemagglutinin HbhA (adhesin)	hbhA	ACTS_HUMAN	Actin, alpha skeletal muscle	ACTA1	mtbbase, PATRIC
2	HBHA_MYCTU	Iron-regulated heparin binding hemagglutinin HbhA (adhesin)	hbhA	CO3_HUMAN	Complement C3 precursor	C3	mtbbase, PATRIC
3	DBH_MYCTU	DNA-binding protein HU / Low-complexity, AKP-rich domain	hupB	CO3_HUMAN	Complement C3 precursor	C3	mtbbase, PATRIC
4	DLDH_MYCTU	Dihydrolipoamide dehydrogenase of pyruvate dehydrogenase complex (EC 1.8.1.4)	lpd	COR1A_HUMAN	Coronin-1A isoform X1	CORO1A	mtbbase, PATRIC
5	FGE_MYCTU	Sulfatase family protein/ Formylglycine-generating enzyme	Rv0712	IL8_HUMAN	Interleukin-8 precursor	CXCL8	agbase, PATRIC
6	ESXA_MYCTU	6 kDa early secretory antigenic target (ESAT-6)	esxA	O60595_HUMAN	Interleukin-12 subunit alpha, IL-12A	IL-12A	Literature
7	ESXB_MYCTU	ESAT-6-like protein EsxB (10 kDa culture filtrate antigen CFP-10, CFP-10) (secreted antigenic protein MTSA-10)	esxB	B2MG_HUMAN	Beta-2-microglobulin	B2M	PubMed:25356553
8	ESXH_MYCTU	ESAT-6-like protein EsxH (10 kDa antigen CFP7, CFP-7) (low molecular weight protein antigen 7) (protein TB10.4)	esxH	HGS_HUMAN	Hepatocyte growth factor-regulated tyrosine kinase substrate (Hrs) (protein pp110)	HGS/HRS	PubMed:24204276
9	ESPI_MYCTU	ESX-1 secretion-associated protein Espl	espl	B2MG_HUMAN	Beta-2-microglobulin	B2M	PubMed:25356553
10	ATSK_MYCTU	Sulfatase family protein/Alpha-ketoglutarate-dependent sulfate ester dioxygenase	Rv3406	IL8_HUMAN	Interleukin-8 precursor	CXCL8	hpdb;agbase
11	GLMU_MYCTU	N-acetylglucosamine-1-phosphate uridyltransferase (EC 2.7.7.23) / Glucosamine-1-phosphate N-acetyltransferase (EC 2.3.1.157)	glmU	IL8_HUMAN	Interleukin-8 precursor	CXCL8	hpdb;agbase
12	SERA_MYCTU	D-3-phosphoglycerate dehydrogenase (EC 1.1.1.95)	serA1	IL8_HUMAN	Interleukin-8 precursor	CXCL8	hpdb;agbase
13	SAHH_MYCTU	Adenosylhomocysteinase (EC 3.3.1.1)	sahH	IL8_HUMAN	Interleukin-8 precursor	CXCL8	hpdb;agbase
14	PG30_MYCTU	PE-PGRS family protein PE_PGRS5	PE_PGRS5	TLR2_HUMAN	Toll-like receptor 2 (toll/interleukin-1 receptor-like protein 4) (CD antigen CD282)	TLR2	PubMed:29921671
15	PG11_MYCTU	PE-PGRS family protein PE_PGRS11	PE_PGRS11	TLR2_HUMAN	Toll-like receptor 2 (toll/interleukin-1 receptor-like protein 4) (CD antigen CD282)	TLR2	PubMed:20176745
16	WA22_MYCTU	PE-PGRS family protein	wag22	FINC_HUMAN	Fibronectin isoform 1 preproprotein	FN1	mtbbase,PATRIC
17	A85B_MYCTU	Antigen 85-B precursor (85B) @ Mycolyl transferase 85B (EC 2.3.1.20)	fbpB	FINC_HUMAN	Fibronectin isoform 1 preproprotein	FN1	mtbbase, PATRIC
18	A85C_MYCTU	Antigen 85-C precursor @ Mycolyl transferase 85C (EC 2.3.1.122)	fbpA	FINC_HUMAN	Fibronectin isoform 1 preproprotein	FN1	mtbbase, PATRIC
19	PTPA_MYCTU	Low molecular weight protein tyrosine phosphatase (EC 3.1.3.48)	ptpA	MK14_HUMAN	Mitogen-activated protein kinase 14 isoform 1	MAPK14	biogrid, PATRIC
20	PTPA_MYCTU	Low molecular weight protein tyrosine phosphatase (EC 3.1.3.48)	ptpA	H32_HUMAN	Mitogen-activated protein kinase 8 isoform X4	MAPK8	biogrid, PATRIC
21	LPQH_MYCTU	19 kDa lipoprotein antigen precursor	lpqH	MRC1_HUMAN	Macrophage mannose receptor 1 precursor	MRC1	mtbbase, PATRIC
22	A5U4R5_MYCTU	Low molecular weight protein tyrosine phosphatase (EC 3.1.3.48)	ptpA	TAB3_HUMAN	TGF-beta-activated kinase 1 and MAP3K7-binding protein 3	TAB3	biogrid, PATRIC
23	LPQH_MYCTU	19 kDa lipoprotein antigen precursor	lpqH	TLR2_HUMAN	Toll-like receptor 2 (toll/interleukin-1 receptor-like protein 4) (CD antigen CD282)	TLR2	mtbbase, PATRIC
24	PG33_MYCTU	PE_PGRS family protein => PE_PGRS33	PE_PGRS33	TLR2_HUMAN	Toll-like receptor 2 (toll/interleukin-1 receptor-like protein 4) (CD antigen CD282)	TLR2	mtbbase, PATRIC
25	PPE34_MYCTU	PPE family protein, MPTR subgroup => PPE34	PPE34	TLR2_HUMAN	Toll-like receptor 2 (toll/interleukin-1 receptor-like protein 4) (CD antigen CD282)	TLR2	biogrid, PATRIC
26	PPE68_MYCTU	PPE family protein => PPE68, component of Type VII secretion system ESX-1	PPE68	TLR2_HUMAN	Toll-like receptor 2 (toll/interleukin-1 receptor-like protein 4) (CD antigen CD282)	TLR2	mint, PATRIC
27	PSTS1_MYCTU	Phosphate ABC transporter, periplasmic phosphate-binding protein PstS (TC 3.A.1.7.1)	pstS1	TLR2_HUMAN	Toll-like receptor 2 (toll/interleukin-1 receptor-like protein 4) (CD antigen CD282)	TLR2	mtbbase, PATRIC
28	PE35_MYCTU	PE family protein => PE35, interacts with PPE68, regulation of esxAB expression via type VII secretion system ESX-1	PE35	TLR4_HUMAN	Toll-like receptor 4 isoform A precursor	TLR4	mint, PATRIC
29	PSTS1_MYCTU	Phosphate ABC transporter, periplasmic phosphate-binding protein PstS (TC 3.A.1.7.1)	pstS1	TLR4_HUMAN	Toll-like receptor 4 isoform A precursor	TLR4	mtbbase, PATRIC
30	A5U4R5_MYCTU	Low molecular weight protein tyrosine phosphatase (EC 3.1.3.48)	ptpA	UBC_HUMAN	Polyubiquitin-C	UBC	biogrid, PATRIC
31	A5U4R5_MYCTU	Low molecular weight protein tyrosine phosphatase (EC 3.1.3.48)	ptpA	VP33B_HUMAN	Vacuolar protein sorting-associated protein 33B isoform 1	VPS33B	mtbbase, PATRIC
32	PE35_MYCTU	PE family immunomodulator PE35	PE35	TLR2_HUMAN	Toll-like receptor 2 (toll/interleukin-1 receptor-like protein 4) (CD antigen CD282)	TLR2	PubMed:24467650