

Table 2. Gene Annotation

<p>Gene Expression Condition</p>	<p>replicating persistence stage 1 ; Upregulated genes in ideR mutant protein in M. tuberculosis ST22 ; Upregulated genes in M. tuberculosis under oxygen limitation ; Upregulated genes in activated macrophage killed MTB for 24 h after infection. ; Genes downregulated in M.tuberculosis H37Rv in lung tissues of BALB/c at 60 days post infection ; Downregulated genes in naive macrophage from NOS2-/- mouse for 24 h ; Downregulated genes in M. tuberculosis H37Rv after exposure to 90m of 0.05% SDS stress. ; Upregulated genes in M. tuberculosis in 2-DE under defined oxygen conditions (.1% oxygen) ; Upregulated genes in M.tuberculosis when treated with 0.02-0.1mM S-Nitrosoglutathione. ; Downregulated genes in M. tuberculosis H37Rv by thiol-specific oxidizing agent Diamide ; Genes upregulated in ?MosR mutant compared to H37Rv wildtype ; Genes upregulated in M.tuberculosis H37Rv grown in 7H9 Middlebrook broth or 7H11 agar supplemented with 0.2% and 0.5% glycerol respectively under acid shock conditions. ; Genes upregulated in M. Tuberculosis H37Rv grown on supplemented 7H9 solid medium and then thawed and suspended in supplemented 7H9 liquid medium at an optical density (OD) at 540 nm of 0.05 after 24 hours of THP infection. ; Upregulated genes in M. tuberculosis in response to dormancy,rapid shift to low O2 concentrations and low levels of NO ;</p>	<p>after infection with human primary macrophages compared to a sigE mutant during log phase growth. ; Genes downregulated in M.tuberculosis H37Rv in lung tissues of BALB/c at 60 days post infection ; Genes downregulated in M.tb H37Rv grown in Middlebrook 7H9 broth supplemented with 10% albumin-dextrose complex at 45 days. ; Genes downregulated in M.tuberculosis H37Rv in lung tissues of BALB/c with Dexamethon treatment for 14 days at 45 days post infection. ; Genes downregulated in M.tuberculosis H37Rv in lung tissues of BALB/c with Dexamethon treatment for 7 days at 45 days post infection. ; Genes downregulated in M.tuberculosis H37Rv in lung tissues of BALB/c at 28 days post infection ; Downregulated genes in naive macrophage from NOS2-/- mouse for 24 h ; Downregulated genes in M. tuberculosis H37Rv after treated with 1-5 ug/mL Synthetic pyridoacridine analog ; Upregulated genes in Microaerophilic conditions ; Genes downregulated in M.tb H37Rv grown in Middlebrook 7H9 broth supplemented with 10% albumin-dextrose complex at 60 days. ; Upregulated genes in M.tuberculosis when treated with 6-10 ug/mL Menadione ; Downregulated genes in M. tuberculosis H37Rv after treated with 150-250 uM Deferoxamine mesylate ; Genes downregulated in M.tb H37Rv grown in Middlebrook 7H9 broth supplemented with 10%</p>	<p>Shock. ; Upregulated genes in activated macrophage killed MTB for 24 h after infection. ; Genes downregulated in M.tb H37Rv grown in Middlebrook 7H9 broth supplemented with 10% albumin-dextrose complex at 60 days. ; Genes downregulated in M.tb H37Rv grown in Middlebrook 7H9 broth supplemented with 10% albumin-dextrose complex at 28 days. ; M.tuberculosis genes upregulated in pericavity and distant lung compared to in vitro culture of mycobacteria. ; Genes downregulated in M.tuberculosis H37Rv in lung tissues of BALB/c with Dexamethon treatment for 7 days at 45 days post infection. ; Genes downregulated in M.tuberculosis H37Rv in lung tissues of BALB/c at 45 days post infection ; Genes downregulated in M.tuberculosis H37Rv in lung tissues of BALB/c at 28 days post infection ; Downregulated genes in M.tuberculosis when grown in minimal medium with succinate as sole carbon source as compared to growth in 7H9/ADC/Tween/glycerol. ; Upregulated genes in mycobacterium tuberculosis after exposure to Oxidative Stress by H2O2 for 40 min . ; Upregulated genes in naive macrophage killed MTB for 24 h after infection. ; Upregulated genes in activated macrophage from mouse for 48 h ; Upregulated genes in M. tuberculosis H37Rv after treated with 20-100 uM Dicyclohexylcarbodiimide ; Downregulated genes in</p>
<p>Drug Response Classification</p>	<p>4 ; 3 ; 7 ; 3 ; 8 ; 8</p>	<p>5 ; 3 ; 7 ; 2 ; 2 ; 5 ; 3 ; 2 ; 7 ; 3 ; 7</p>	<p>4 ; 3 ; 3 ; 2 ; 6 ; 2 ; 3 ; 8 ; 3</p>
<p>Drug response Regulation</p>	<p>Up ; Up ; Up ; Down ; Up ; Up</p>	<p>Down ; Down ; Down ; Up ; Down ; Down ; Down ; Up ; Down ; Up ; Up</p>	<p>Up ; Down ; Down ; Down ; Up ; Up ; Up ; Down ; Up</p>

Table 2. Gene Annotation

<p>Drug Response Condition</p>	<p>Upregulated genes in M.tuberculosis when treated with 0.1 mM S-Nitrosoglutathione and 20-25 ug/mL Chlorpromazine ; Genes upregulated in M.tuberculosis H37Rv treated for 4 hours to a concentration of vancomycin ten times higher than the MIC when compared to the untreated cultures ; Upregulated genes in M. tuberculosis H37Rv after treated with 20-30 ug/mL Antitubercular compound Procept 6776 ; Downregulated genes in M. tuberculosis H37Rv after treated with 50 uM Nigericin ; Genes upregulated in M.tuberculosis H37Rv phagocytosed by J774A.1 cells in African green monkey kidney cells (Vero cells) grown in RPMI 1640 medium with 10% bovine calf serum at 37C in a 5% CO2 incubator with 75% humidity under triclosan treatment. ; Genes upregulated in M.tuberculosis H37Rv phagocytosed by J774A.1 cells in African green monkey kidney cells (Vero cells) grown in RPMI 1640 medium with 10% bovine calf serum at 37C in a 5% CO2 incubator with 75% humidity under 6PP and 8PP treatment.</p>	<p>Downregulated genes in M. tuberculosis H37Rv after treated with 10-24 ug/mL Econazole (azole drug) ; Downregulated genes in M. tuberculosis H37Rv after treated with 0.1-0.5ug/mL Rifapentine ; Downregulated genes in M. tuberculosis H37Rv after treated with 0.2-2 ug/mL PA-824 ; Upregulated genes in M. tuberculosis H37Rv after treated with 0.5-10 uM Valinomycin ; Downregulated genes in M. tuberculosis H37Rv after treated with 10 ug/mL Levofloxacin ; Downregulated genes in M. tuberculosis H37Rv after treated with 10-24 ug/mL Clotrimazole. (azole drug) ; Downregulated genes in M. tuberculosis H37Rv after treated with 10-50 ug/mL Chlorpromazine ; Upregulated genes in M. tuberculosis H37Rv after treated with 10-50 ug/mL Roxithromycin ; Downregulated genes in M. tuberculosis H37Rv after treated with 20-30 ug/mL Antitubercular compound Procept 6776 ; Upregulated genes in M. tuberculosis H37Rv after treated with 50 uM Nigericin ; Upregulated genes in M. tuberculosis H37Rv after treated with 50 uM Verapamil</p>	<p>Upregulated genes in M.tuberculosis when treated with 0.1 mM S-Nitrosoglutathione and 20-25 ug/mL Chlorpromazine ; Downregulated genes in M. tuberculosis H37Rv after treated with 0.1-0.5ug/mL Rifapentine ; Downregulated genes in M. tuberculosis H37Rv after treated with with 0.2-5ug/mL Rifampicin ; Downregulated genes in M. tuberculosis H37Rv after treated with 10 ug/mL Novobiocin ; Upregulated genes in M. tuberculosis H37Rv after treated with 10-25 ug/mL Thioridazine. ; Upregulated genes in M. tuberculosis H37Rv after treated with 2-5 ug/mL Streptomycin ; Upregulated genes in M. tuberculosis H37Rv after treated with 50 uM Nigericin ; Genes downregulated in M.tuberculosis H37Rv phagocytosed by J774A.1 cells in African green monkey kidney cells (Vero cells) grown in RPMI 1640 medium with 10% bovine calf serum at 37C in a 5% CO2 incubator with 75% humidity under triclosan treatment. ; Genes upregulated in M.tuberculosis H37Rv treated for 4 hours to a concentration of vancomycin ten times higher than the MIC when compared to the untreated cultures</p>
Ligand ID			
Ligand Description			
Tissue specific expression (when applicable)			
Disease involvement (when applicable)			
pH (when applicable)			
Phenotype			
Mutation (when applicable)			
Special Characteristics – Nitrogen, pH, Carbohydrates (when applicable)			