

**S1 Table. Protein Blast search for *M. tuberculosis* Rv2301c gene.
Organisms with homologous protein sequence.**

1	NP_216547.1	HspX gene product [<i>Mycobacterium tuberculosis</i> H37Rv]
2	NP_855707.1	Heat shock protein hspX [<i>Mycobacterium bovis</i> AF2122/97]
3	YP_978140.1	Heat shock protein hspX [<i>Mycobacterium bovis</i> BCG str. Pasteur 1173P2]
4	YP_003031913.1	Heat shock protein hspX [<i>Mycobacterium tuberculosis</i> KZN 1435]
5	ZP_04749296.1	Heat shock protein [<i>Mycobacterium kansasii</i> ATCC 12478]
6	YP_001851758.1	Heat shock protein HspX [<i>Mycobacterium marinum</i> M]
7	ZP_06852440.1	Heat shock protein hspX [<i>Mycobacterium parascrofulaceum</i> ATCC BAA-614]
8	ZP_04750177.1	Heat shock protein [<i>Mycobacterium kansasii</i> ATCC 12478]
9	YP_888221.1	Hypothetical protein [<i>Mycobacterium smegmatis</i> str. MC2 155]
10	YP_954724.1	Heat shock protein Hsp20 [<i>Mycobacterium vanbaalenii</i> PYR-1]
11	NP_962635.1	Hsp [<i>Mycobacterium avium subsp. paratuberculosis</i> K-10]
12	ZP_05218861.1	Hsp20/alpha crystallin family protein [<i>Mycobacterium avium subsp. avium</i> ATCC 25291]
13	ZP_05225418.1	Hsp20/alpha crystallin family protein [<i>Mycobacterium intracellulare</i> ATCC 13950]
14	NP_000385.1	Alpha-crystallin A chain [<i>Homo sapiens</i>]
15	NP_001876.1	Alpha-crystallin B chain [<i>Homo sapiens</i>]
16	NP_653218.1	Heat shock protein beta-6 [<i>Homo sapiens</i>]
17	YP_002503848.1	Hypothetical protein MLBr_01795 [<i>Mycobacterium leprae</i> Br4923]
18	Q57733.1	RecName: Full=Small heat shock protein HSP16.5
19	AAB85357.1	Heat shock protein, class I [<i>Methanothermobacter thermautotrophicus</i> str. Delta H]
20	NP_143673.1	Hypothetical protein PH1842 [<i>Pyrococcus horikoshii</i> OT3]
21	NP_148279.2	Small heat shock protein [<i>Aeropyrum pernix</i> K1]
22	NP_070125.1	Heat shock protein 20 [<i>Archaeoglobus fulgidus</i> DSM 4304]
23	NP_070795.1	Heat shock protein 20 [<i>Archaeoglobus fulgidus</i> DSM 4304]
24	CAC11613.1	Small heat shock protein (hsp20) related protein [<i>Thermoplasma acidophilum</i>]
25	CAC11993.1	Small heat shock protein (hsp20) related protein [<i>Thermoplasma acidophilum</i>]
26	AAG20020.1	Small heat shock protein [<i>Halobacterium sp.</i> NRC-1]
27	AAG20865.1	Heat shock protease protein [<i>Halobacterium sp.</i> NRC-1]
28	NP_213880.1	Small heat shock protein (class I) [<i>Aquifex aeolicus</i> VF5]
29	BAB13269.1	16 kDa heat shock protein A [<i>Buchnera aphidicola</i> str. APS (<i>Acyrtosiphon pisum</i>)]
30	CAA46374.1	Heat shock protein [<i>Clostridium acetobutylicum</i> ATCC 824]
31	P12809.1	RecName: Full=18 kDa antigen; AltName: Full=HSP 16.7
32	AAG06514.1	Heat-shock protein IbpA [<i>Pseudomonas aeruginosa</i> PAO1]
33	CAA14735.1	Heat shock protein (hsp22) [<i>Rickettsia prowazekii</i> str. Madrid E]
34	BAA16996.1	16.6 kDa small heat shock protein, molecular chaperon [<i>Synechocystis sp.</i> PCC 6803]
35	NP_228185.1	Heat shock protein, class I [<i>Thermotoga maritima</i> MSB8]
36	AAF93196.1	16 kDa heat shock protein A [<i>Vibrio cholerae</i> O1 biovar El Tor str. N16961]
37	AAF85033.1	Low molecular weight heat shock protein [<i>Xylella fastidiosa</i> 9a5c]
38	P96193.1	RecName: Full=16 kDa heat shock protein B
39	S49042	Global stress protein gspA - <i>Legionella pneumophila</i>
40	CAA67831.1	Heat shock protein [<i>Oenococcus oeni</i>]
41	CAB99442.1	HspA protein [<i>Stigmatella aurantiaca</i> DW4/3-1]
42	Q53595.1	RecName: Full=18 kDa heat shock protein; AltName: Full=HSP 18
43	BAA32501.1	HspA [<i>Thermosynechococcus vulcanus</i>]