

1 **A multicopper oxidase is required for copper resistance in *Mycobacterium***
2 ***tuberculosis***

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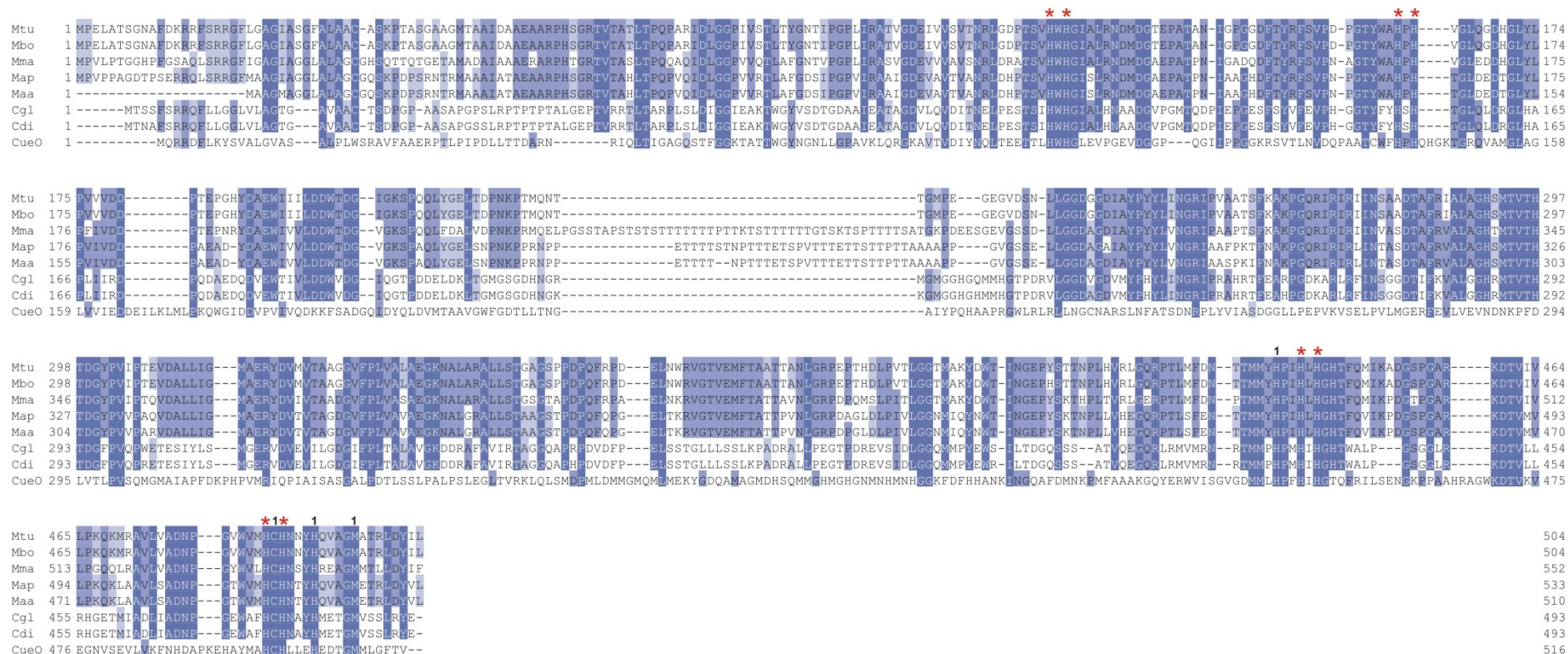
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10 **Supplemental Figure 1. Alignment of putative MCOs in mycobacteria and other bacteria. Sequences of mycobacterial**
11 **multicopper oxidases and others were obtained by Blast search of sequenced genomes in the NCBI database. Alignment**
12 **was performed using ClustalW, and the alignment image was generated with JalView. Mtu: *M. tuberculosis*, MmcO; Mbo: *M.*
13 ***bovis*, Mb0869c; Mma: *M. marinum*, MMAR_4770 ; Map: *M. avium paratuberculosis* K10, MAP0701c ; Maa: *M. avium avium*,**
14 **MaviaA2_3747 ; Cgl: *Corynebacterium glutamicum*, CopO (cg3287 or NCgl2865); Cdi: *C. diphtheriae*, CDHC02_0060; CueO: *E. coli***
15 **CueO. Red stars indicate conserved active site residues (Type II or Type III copper coordinating residues). Bold number 1 indicates**
16 **conserved Type I copper coordinating residues.****