SUPPORTING INFORMATION

The Identification of Common Conserved Elements on SARS-CoV-2 and Some Strains of the BCG Vaccine

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**Supplementary Files:**

**Text file 1:** Sequence alignments resulting from BLAST search using query NC\_000962.3 and restricting the search to Coronavirus (taxid:694002), Sarbecovirus (taxid:2509511) and unclassified Sarbecovirus (taxid:2720068).

**Text file 2:** Sequence hits resulting from BLAST search using query NC\_000962.3 and restricting the search to Coronavirus (taxid:694002), Sarbecovirus (taxid:2509511) and unclassified Sarbecovirus (taxid:2720068).

**Text file 3:** Sequence alignments resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG strain ATCC35743.

**Text file 4:** Sequence hits resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG strain ATCC35743.

**Text file 5:** Sequence alignments resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Korea strain.

**Text file 6:** Sequence hits resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Korea strain.

**Text file 7:** Sequence alignments resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Mexico strain.

**Text file 8:** Sequence hits resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Mexico strain.

**Text file 9:** Sequence alignments resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Moreau RDJ strain.

**Text file 10:** Sequence hits resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Moreau RDJ strain.

**Text file 11:** Sequence alignments resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Pasteur strain.

**Text file 12:** Sequence hits resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Pasteur strain.

**Text file 13:** Sequence alignments resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Tokyo strain.

**Text file 14:** Sequence hits resulting from BLAST search using query NC\_045512.2 and restricting the search to BCG Tokyo strain.

**Text file 15:** Sequence alignments resulting from BLAST search using query NC\_045512.2 and restricting the search to *Mycobacterium tuberculosis* (*Mtb*).

**Text file 16:** Sequence hits resulting from BLAST search using query NC\_045512.2 and restricting the search to *Mycobacterium tuberculosis* (*Mtb*).

**Text file 17:** Sequence alignments resulting from BLAST search using query NC\_045512.2 and restricting the search to mycobacteria.

**Text file 18:** Sequence hits resulting from BLAST search using query NC\_045512.2 and restricting the search to mycobacteria.

**Text file 19:** Sequence alignments resulting from BLAST search using query NZ\_AM412059 and restricting the search to Coronavirus (taxid:694002), Sarbecovirus (taxid:2509511) and unclassified Sarbecovirus (taxid:2720068).

**Text file 20:** Sequence hits resulting from BLAST search using query NZ\_AM412059 and restricting the search to Coronavirus (taxid:694002), Sarbecovirus (taxid:2509511) and unclassified Sarbecovirus (taxid:2720068).