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(54) Title: AMINO ACIDS, NUCLEOTIDES AND VECTORS EXPRESSING THE SAME AND USES THEREOF IN PREVENTING SARBEICOVIRUS INFECTION

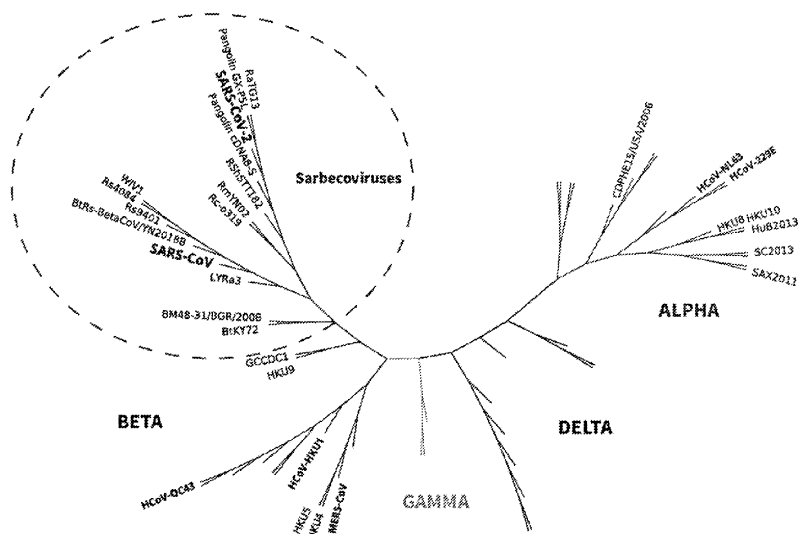


Figure 1

(57) Abstract: Disclosed herein is a method of making an amino acid construct for the treatment and/or prevention of sarbecovirus infections, comprising: a. comparing amino acid sequences from at least two different sarbecovirus spike proteins or fragments thereof; b. identifying identical amino acids in the sequences from the at least two different sarbecovirus spike proteins or fragments thereof; c. removing any different amino acids from the sequences of the at least two different sarbecovirus spike proteins or fragments thereof to identify a unique amino acid sequence; and d. forming the amino acid construct of the unique amino acid sequence wherein the amino acid construct has at least 90% sequence identity to the at least two different sarbecovirus spike proteins or fragments thereof. Also disclosed are amino acid sequences generated using the method of the invention.

[Continued on next page]

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