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(71) Applicant: **ACADEMIA SINICA** [CN/CN]; 128, Academia Road, Section 2, Nankang, Taipei, 115 (CN).

(72) Inventor; and

(71) Applicant (for MW only): **WONG, Chi-Huey** [US/CN]; 6F, No. 25, Lane 105, Hangzhou South Road, Sec. 1, Zhongzheng Dist., Taipei City, 100 (TW).

(72) Inventors: **WU, Chung-Yi**; No. 58, Shueijing St., Xinshe Dist., Taichung City, 426018 (TW). **MA, Che**; 15F, No. 54 Dongshi Street, Xizhi District, New Taipei City, 22141 (TW). **FAN, Chen-Yu**; No. 220, Zhuzhong St., Luzhu Dist., Taoyuan City 338 (TW).

(74) Agent: **BATHKE, Amy E.**; Prosyra Group PC, 4275 Executive Square, Suite 200, La Jolla, California 92037 (US).

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(54) Title: MESSENGER RNA VACCINES AGAINST WIDE SPECTRUM OF CORONAVIRUS VARIANTS

(57) Abstract: The present invention relates to the mRNA vaccine of coronavirus spike protein with deletion of glycosites in the receptor binding domain (RBD), the subunit 1 (S1) domain, or the subunit 2 (S2) domain, or a combination thereof. The vaccine elicits broadly protective immune responses coronavirus and variants thereof.

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