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(54) Title: RUMINAL AND METHANOGEN VACCINES AND USES THEREOF

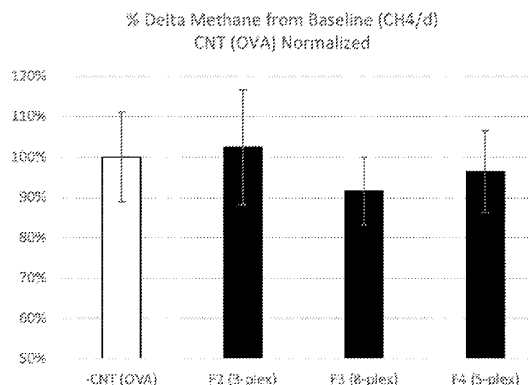


FIG. 8A

(57) Abstract: Disclosed herein are polynucleotides encoding one or more ruminal-associated antigens, and polypeptides encoded by said polynucleotides. Also provided herein are compositions comprising the same, and method of making and using said compositions.

[Continued on next page]

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