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[Continued on next page]

(54) Title: AMEBIASIS SUBUNIT VACCINE

LC3	758	1134
	<u>BamHI</u>	<u>EcoRI</u>

A	758	944
	<u>BamHI</u>	<u>HindII</u>

B	758	868
	<u>BamHI</u>	<u>SpeI</u>

C	758	826
	<u>BamHI</u>	<u>NsiI</u>

D	944	1134
	<u>HindII</u>	<u>EcoRI</u>

E	944	1114
	<u>HindII</u>	<u>BclI</u>

F	944	1070
	<u>HindII</u>	<u>NsiI</u>

G	944	987
	<u>HindII</u>	<u>BsmI</u>

(57) Abstract: *Entamoeba histolytica* LC3 subunit peptides, polynucleotides encoding these subunit peptides are provided, wherein the LC3 subunit peptide is present in an effective amount to induce mucosal anti-lectin IgA antibody production in a primate against *Entamoeba histolytica* or *E. dispar*. The present invention also includes *Entamoeba histolytica* LC3 subunit peptide vaccines, and methods of use thereof.

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SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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