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(71) Applicant (for all designated States except US): **REGENTS OF THE UNIVERSITY OF MINNESOTA** [US/US]; 450 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, MN 55455-2070 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RAVDIN, Jonathan, I.** [US/US]; 4101 Cedar Lake Road, St. Louis Park, MN 55416 (US). **ABD ALLA, Mohamed, D.** [EG/US]; 9132 West River Road, Brooklyn Park, MN 55444 (US).

(74) Agents: **VIKSINIS, Ann** et al.; P.O. Box 111098, St. Paul, MN 55111-1098 (US).

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(54) Title: AMEBIASIS SUBUNIT VACCINE

Epitope
7

1 2 3 4 5 6



* Murine IgA monoclonal antibodies

□ Not-recognizable by human immune sera

○ Recognized by human IgG antibodies early after cure (< one year)

● Extended recognition by human IgA and IgG antibodies for > one year following cure

(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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