

HMG?Like chromosomal proteins in Trypanosoma cruzi

Morales, Mónica

Galanti, Norbel

Oñate, Eddie

Imschenetzky, Maria

HMG?like chromosomal proteins from Trypanosoma cruzi were studied. Four HMG?like proteins, designated HMG A, HMG?B, HMG?C, and HMG?E, were isolated and found to have molecular weights of 35.5 kd, 27.5 kd, 21.8 kd and 10.4 kd, respectively. Immunological relatedness was demonstrated between the mammalian HMG 1,2 and the HMG?A and HMG?B from T. cruzi. The relative amount of HMG?C and HMG?E proteins vary in T. cruzi depending to the proliferative stage of the cells. HMG?E protein is increased in proliferating cells when compared to its level in non?proliferating cells. HMG?C is increased in the non?proliferating cells. Probably, the shifts observed in the relative amount of HMG?like proteins are related to the proliferating cells of this flagellate. The results are consistent with those described for other lower eukaryotes where the HMG?like proteins isolated are similar but not identical to HMG proteins from vertebrates. © 1992 Wiley?Liss, Inc. Copyright © 1992 Wiley?Liss, Inc.