

T cells responding to *T. cruzi* detected by membrane TNF- α and CD154 in chagasic patients

Juan G. Ripoll¹, Nicolás A. Giraldo^{1#a}, Natalia I. Bolaños¹, Nubia Roa², Fernando Rosas³, Adriana Cuéllar⁴, Concepción J. Puerta⁵, John M. González^{1*}

¹ Grupo de Ciencias Básicas Médicas, Facultad de Medicina, Universidad de los Andes, Bogotá, Colombia. Address: Cra 1 # 18A-12. Phone Number: (571) 3394949 Ext. 3900.

² Facultad de Medicina, Pontificia Universidad Javeriana and Hospital Universitario San Ignacio, Bogotá, Colombia. Address: Cra. 7 No. 40-62. Phone number: (571) 320 8320 Ext. 2745 – 2777.

³ Clínica Abood-Shaio, Bogotá, Colombia. Address: Dg 115a # 70c-75. Phone number: (571) 593 8210.

⁴ Grupo de Inmunobiología y Biología Celular, Facultad de Ciencias, Pontificia Universidad Javeriana, Bogotá, Colombia. Address: Carrera 7 No. 43-82 – Building Carlos Ortíz. Phone number: (571) 320 8320 Ext. 4060 – 4134.

⁵ Laboratorio de Parasitología Molecular, Facultad de Ciencias, Pontificia Universidad Javeriana, Bogotá, Colombia. Address: Carrera 7 No. 43-82 - Building Carlos Ortíz. Phone number: (571) 320 8320 Ext. 4060 – 4134.

^{#a} Current address: INSERM UMRS872, Cancer, Immune Control and Escape, Cordeliers
Research Center, Paris, France.

*** Corresponding author:**

John Mario González MD, PhD. School of Medicine, Universidad de los Andes, Bogotá

D.C. Cra 1 # 18A-12. Zip code: 111711. Phone Number: 57 (1) 3394949 ext. 3900.

E-mail: johgonza@uniandes.edu.co (JMG)

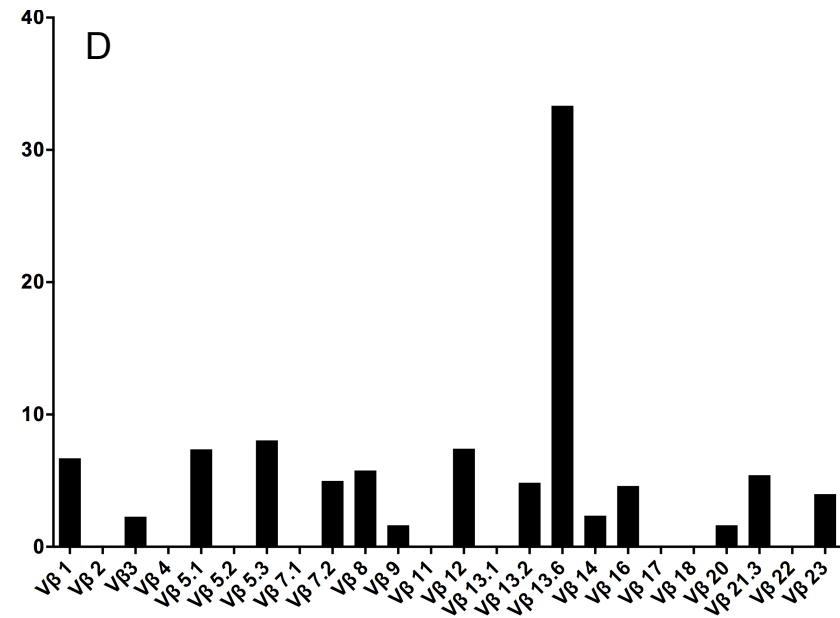
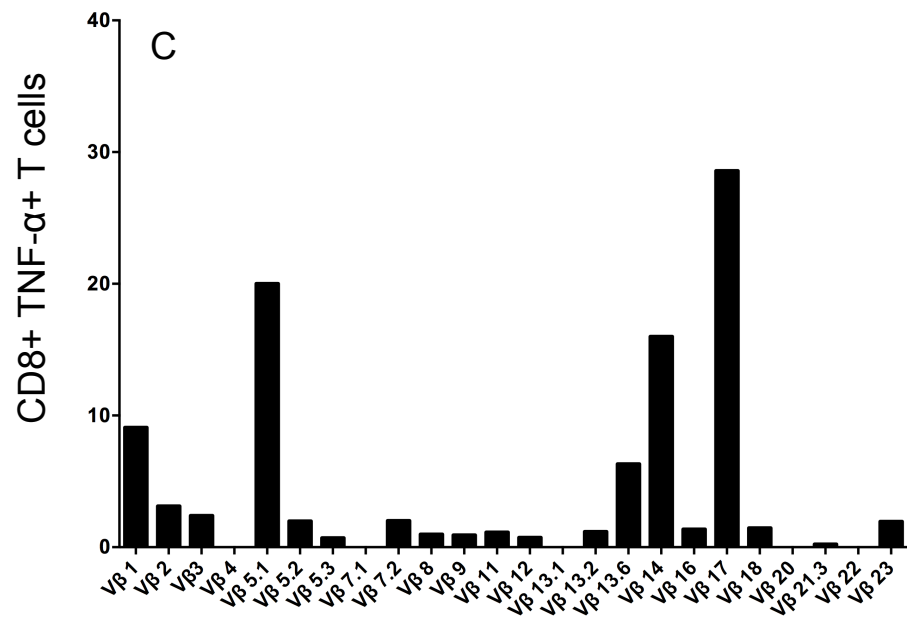
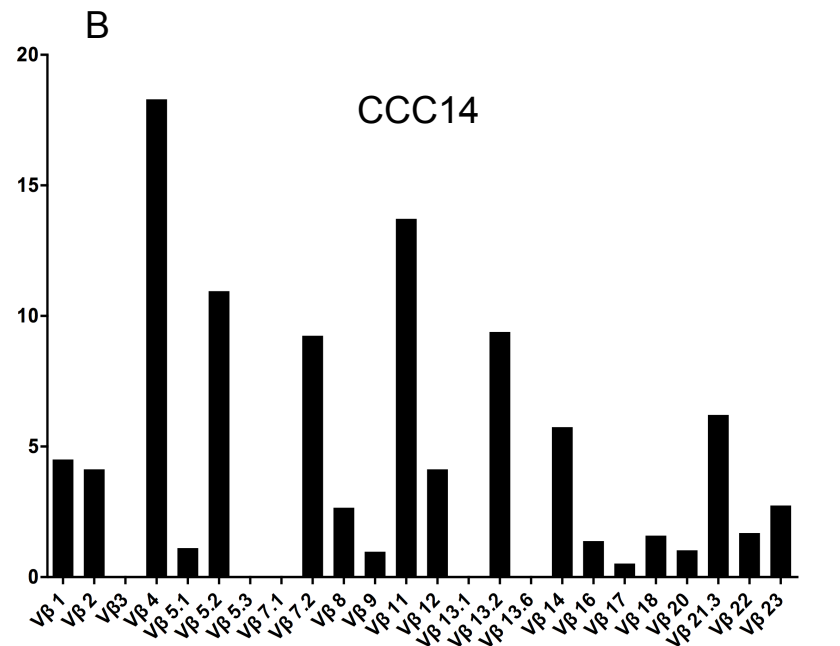
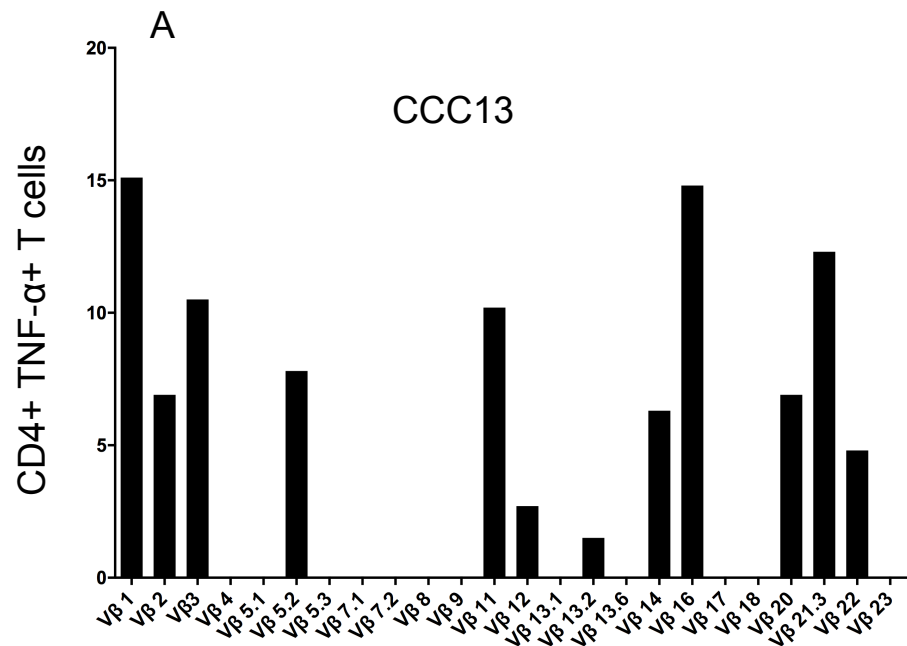


Figure S2. Percentages of TCR-V β families used by T cell subsets producing TNF- α in response to *T. cruzi* lysate in two patients with chronic chagasic cardiomyopathy.

Percentage of membrane TNF- α expression in CD4⁺ (A and B) and CD8⁺ T cells (C and D) for each TCR-V β family. Population is gated on CD3⁺CD4⁺/TNF- α ⁺ and CD3⁺CD8⁺/TNF- α ⁺, respectively. CCC= chronic chagasic cardiomyopathy.