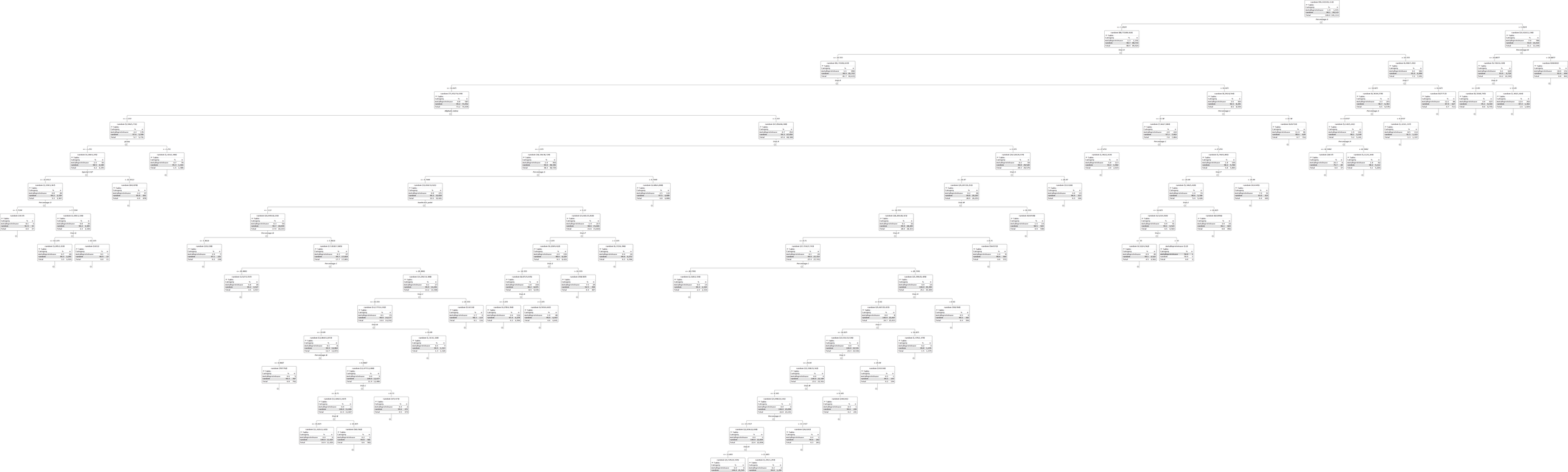
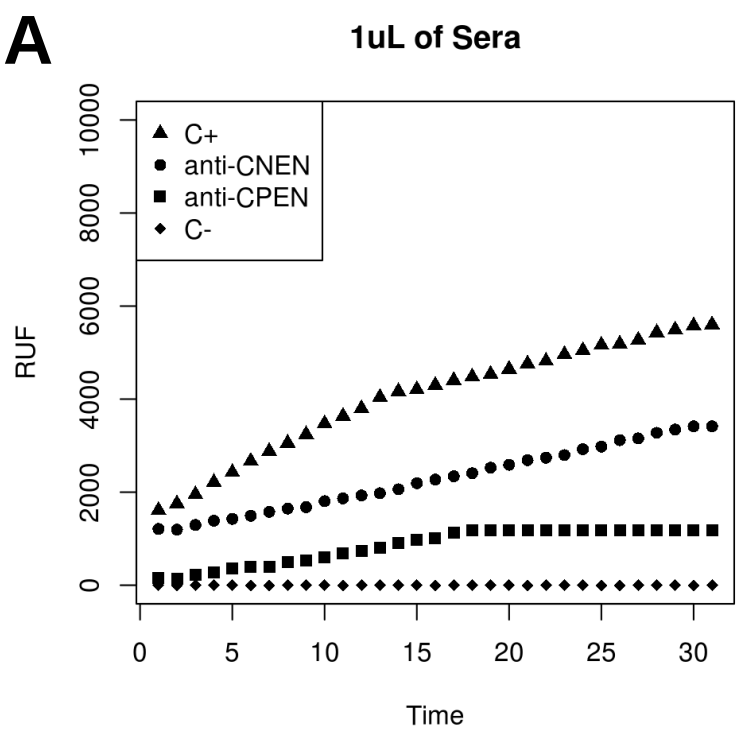
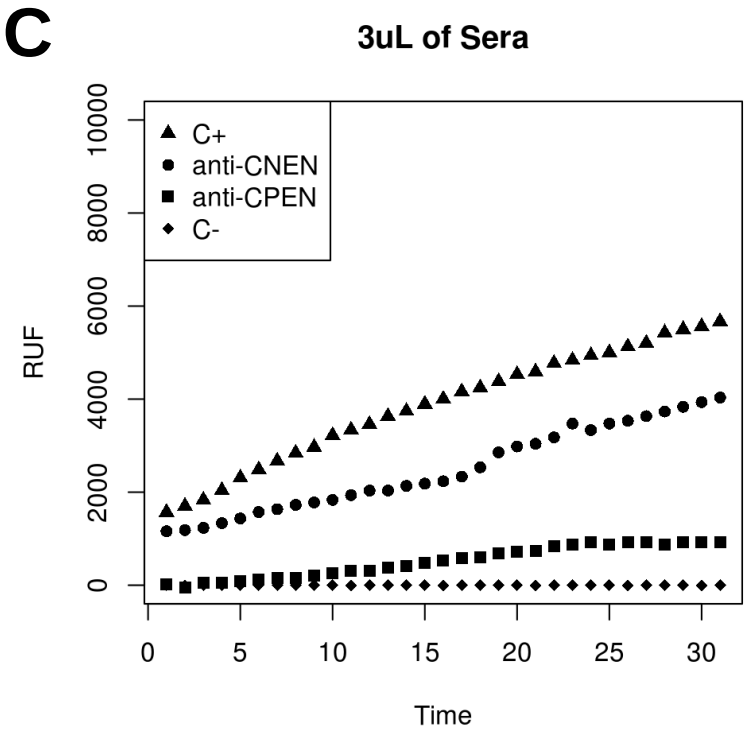
Tittle: Computational B-cell epitope identification and production of neutralizing murine antibodies against Atroxlysin-I

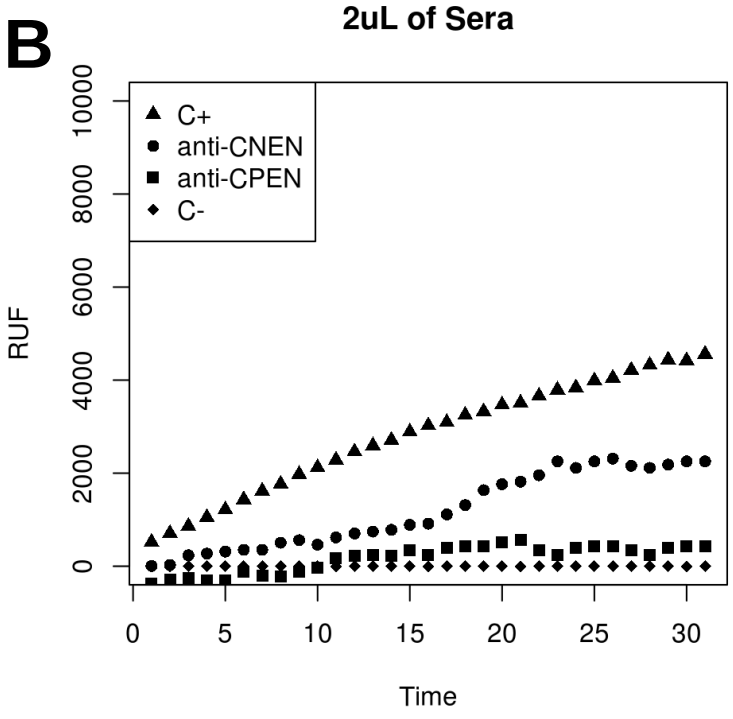
Authors: *Edgar Ernesto Gonzalez Kozlova1, Loïc Cerf2, Francisco Santos Schneider3, Benjamin Thomas Viart4, Christophe NGuyen3, Bethina Trevisol Steiner5, Sabrina de Almeida Lima1, Franck Molina3, Clara Guerra Duarte1, Liza Felicori1, Carlos Chávez-Olórtegui1 and Ricardo Andrez Machado-de-Ávila5

Figure tittle: Decision tree for classification of epitopes


variable DN_1 4 2 4 3 4 5 , 2 1 2 8
* Tables
Category % n
metallogenicintensure 1.4 1,471
variable 98.6 103,529
Total 100.0 105,000
Percentage-D
<= 1.2864
variable VBL_T 1 2 6 , 5 2 8
* Tables
Category % n
metallogenicintensure 0.1 1,471
variable 99.7 98,557
Total 99.8 100,028
End-D
> 1.2864
variable DL_0 1 2 1 , 2 1 8
* Tables
Category % n
metallogenicintensure 0.2 1,471
variable 99.8 3,972
Total 99.8 5,443
Percentage-B
<= 10.4877
variable DL_T 0 1 , 3 1 8
* Tables
Category % n
metallogenicintensure 0.1 1,471
variable 99.9 3,972
Total 99.9 5,443
End-F
> 10.4877
variable D0000002
* Tables
Category % n
metallogenicintensure 0.1 1,471
variable 99.9 3,972
Total 99.9 5,443
<= 10.555
variable DL_T 0 1 , 2 1 2
* Tables
Category % n
metallogenicintensure 0.1 1,471
variable 99.9 98,557
Total 99.9 99,028
End-F
> 10.555
variable DL_T 0 1 , 2 1 2
* Tables
Category % n
metallogenicintensure 0.2 1,471
variable 99.8 3,972
Total 99.8 5,443
<= 0.5
variable DL_T 0 1 , 2 1 2
* Tables
Category % n
metallogenicintensure 0.1 1,471
variable 99.9 98,557
Total 99.9 99,028
End-F
> 0.5







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Supplemenary file 3. Enzymatic hydrolysis of Abz-LVEALYQ-EDDnp by Atr-I. Cleavage of Abz-LVEALYQ-EDDnp caused by Atr-I results in a fluorescent emission dependent of the Atr-I enzymatic activity. The hydrolysis is measured over 30 minutes for 4 samples, simultaneously. A positive control of hydrolysis (Atr-I); The Atr-I in presence of serum anti-CNEN, anti-CPEN and a negative control with theAbz-LVEALYQ-EDDnp alone. The figures A, B, C show the enzymatic activity for 3 different quantities of anti-sera used. 1UL, 2uL and 3uL, respectively.