

# Acta Crystallographica Section D

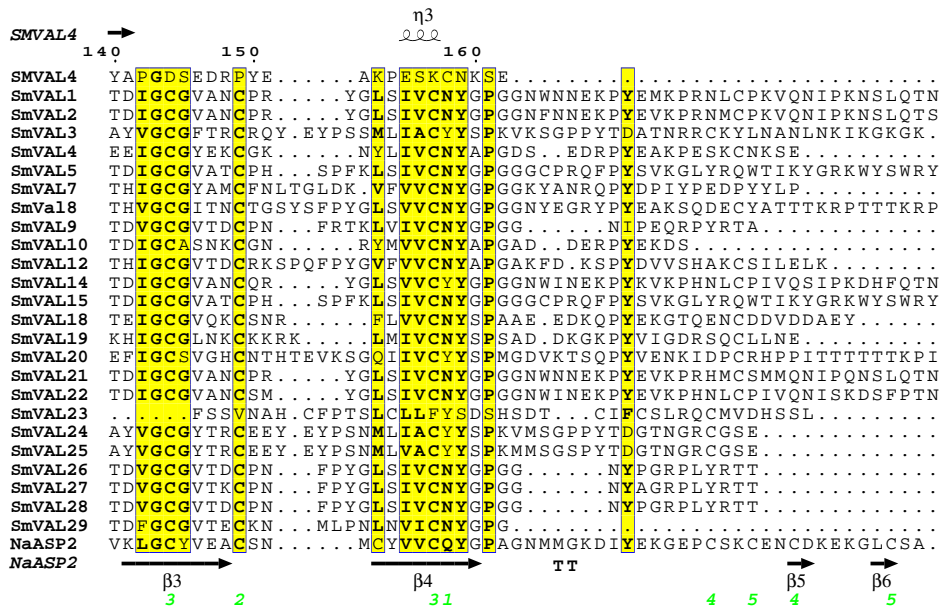
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Supporting information for article:

*Schistosoma mansoni* venom allergen-like protein 4 (SmVAL4) is a novel lipid-binding SCP/TAPS that lacks the prototypical CAP motifs

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- SMVAL4
- SMVAL4 .
  - SmVAL1 .
  - SmVAL2 .
  - SmVAL3 .
  - SmVAL4 .
  - SmVAL5 .
  - SmVAL7 .
  - SmVAL8 K
  - SmVAL9 .
  - SmVAL10 .
  - SmVAL12 L
  - SmVAL14 .
  - SmVAL15 .
  - SmVAL18 .
  - SmVAL19 .
  - SmVAL20 .
  - SmVAL21 .
  - SmVAL22 .
  - SmVAL23 .
  - SmVAL24 .
  - SmVAL25 .
  - SmVAL26 .
  - SmVAL27 .
  - SmVAL28 .
  - SmVAL29 .
  - NaASP2 .
  - NaASP2 .

**Figure S.1. Comparison of the group 1 SmVALs.** The group 1 SmVALs were aligned with clustalW2 and the illustrated secondary structural features are of the coordinates of SmVAL4 and NaASP2 (pdb entry 1u53). The alignment reveals that neither SmVAL4 nor NAASP2 can be accurately used to predict the structures of all the group1 SmVALs. Additionally, CAP tetrad, shown in arrow is conserved in some of the SmVALs. As with figure 2, this figure was generated with ESPript (Gouet *et al.*, 2003). The different secondary structure elements shown are alpha helices as large squiggles labelled ( $\alpha$ ),  $3_{10}$ -helices as small squiggles labelled ( $\eta$ ), beta strands as arrows ( $\beta$ ), and beta turns (TT). Identical residues are shown in solid red, and conserved residues are highlighted yellow. The locations of the cysteine residues involved in disulfide bonds are numbered in green

The 29 *S. mansoni* SmVALs are the following: SmVAL1 ([AAV43180.1](#)), SmVAL2 ([XP\\_002571733.1](#)), SmVAL3 ([AAZ04923.2](#)), SmVAL4 ([XP\\_002571676.1](#)), SmVAL5 ([ABB88846.2](#)), SmVAL6 ([AAV28955.1](#)), SmVAL7 ([AAZ04924.1](#)), SmVAL8 ([ABW98681.1](#)), SmVAL9 ([XP\\_002582201.1](#)), SmVAL10 ([ABO09814.2](#)), SmVAL11 ([ABA54555.1](#)), SmVAL12 ([XP\\_002571731.1](#)), SmVAL13 ([ABB88843.1](#)), SmVAL14 ([XP\\_002569793.1](#)), SmVAL15 ([XP\\_002582174.1](#)), SmVAL16 ([XP\\_002571817.1](#)), SmVAL17 ([XP\\_002578833.1](#)), SmVAL18 ([XP\\_002571658.1](#)), SmVAL19 ([XP\\_002571657.1](#)), SmVAL20 ([CAZ28636.1](#)), SmVAL21 ([XP\\_002578075.1](#)), SmVAL22 ([XP\\_002574629.1](#)), SmVAL23 ([XP\\_002582175.1](#)), SmVAL24 ([XP\\_002574962.1](#)), SmVAL25 ([XP\\_002574963.1](#)), SmVAL26 ([XP\\_002577262.1](#)), SmVAL27 ([XP\\_002577271.1](#)), SmVAL28 ([XP\\_002582199.1](#)) and SmVAL29 ([XP\\_002571340.1](#)).