

Supplemental Table 1: Cysteine residues signature of sand fly salivary protein families.

Protein Family	Number of cysteine residues	New World Sand flies	Old World Sand flies	Cysteine Residues Signature
SALO	6	Y	N	CX ₁₄ CX ₂₆₋₄₁ CX ₈₋₁₁ CX ₈ CX ₆ C
C-Type lectin	5	Y	N	CX ₇₀₋₉₁ CX ₈₋₁₄ CX ₄ CX ₇ C
14.2kDa	4	Y	N	CX ₁₁₋₁₃ CX ₁₈₋₂₁ CX ₁₂₋₁₄ C
ML domain	6	Y	N	CX ₁₃ CX ₅₋₁₀ CX ₄₂₋₄₇ CX ₅₋₁₁ CX ₃₉₋₄₃ C
Spider toxin	6	Y	N	CX ₆ CX ₄₋₉ CCX ₄ CX ₅ C
Small OBP-like	5	Y	Y	CX ₁₀ CX ₃ CX ₄₆ CX ₁₅ CX ₈
D7 protein	10	Y	Y	CX ₂₅₋₂₇ CX ₃ CX ₄₄₋₄₆ CX ₄₉₋₅₀ CX ₆₋₁₂ CX ₃ CX ₁₃₋₁₆ CX ₉ CX ₈ C
Antigen-5	14	Y	Y	CX ₄ CX ₉₋₁₃ CX ₉₋₁₀ CX ₅₉ CX ₆ CX ₅ CX ₇₁ CX ₁₈ CX ₂ CX ₁₅ CX ₂ CX ₄ CX ₇ C