A Cal12.1.1a cal12a		-	37 38 40 45 NCCDTDGCTAAWWCPGTKWD NCCDTDGCTAA <u>WW</u> COGTK <u>W</u> D
	unmodified average mass disulfide bonds (4) gamma-carboxyglutamate (1) hydroxyproline residues (2) 6-bromotryptophan (4) Predicted final mass Observed mass	4869.4 -8.0 +44.0 +32.0 +315.6 5253 5253	(E21) (P23, P40) (W17, W37, W38, W44)
B Cal12.1.1b cal12b			37 38 40 45 NCCDTDGCTAAWWCPGTKWD NCCDTDGCTAA <u>WW</u> COGTK <u>W</u> D
	unmodified average mass disulfide bonds (4) hydroxyproline residues (2) 6-bromotryptophan (4) Predicted final mass Observed mass	4855.4 -8.0 +32.0 +315.6 5195 5194	(P23, P40) (W17, W37, W38, W44)

S2. Matching of the primary structure of peptides predicted by cDNAs Cal12.1.1a (panel A) and B (panel B) to the actual masses of the mature, processed toxins cal12a and cal12b as observed with MS analysis. This was accomplished by informative addition/subtraction of masses associated with specific PTMs. \underline{W} = bromotryptophan; O = hydroxyproline; C = non-specifically disulfide-bonded cysteine; γ = Gla (gamma-carboxyglutamic acid).