

Table 3. Distribution of 80 known (1) coded alkaloids, plus nicotine, detected by this study in *Mantella* poison frog species and individuals. Alkaloids reported here for the first time in *Mantella* are highlighted. Frog families in which the alkaloid has been previously detected (1) are indicated as M= Mantellidae, D = Dendrobatidae, B = Bufonidae, Myo =Myobatrachidae, x = not previously reported from any frog, but detected in *Mantella* during this study in the Ranomafana region.

		<i>Mantella</i> frog individuals of Ranomafana region, 2003			Ref. 1
Alkaloid Class	MW Code*	<i>M. baroni</i> (15)	<i>M. madagascariensis</i> (1)	<i>M. bernhardi</i> (6)	Frog Family
Polyzonamine	151B	1	1		D
Unclass	155			1	D
Nicotine	162	1			x
Precocinelline	193C			1	D, B
3,5-Indolizidine	195B	3			D, B
2,6-Piperidine	197E	1			D
5,8-Indolizidine	203A	4	1		M, D
5,8-Indolizidine	205A	4	1		M, D
5,8-Indolizidine	207A	4	1		D
Tricyclic	207J	3			M, D
Unclass	207N	5	1		D
5,8-Indolizidine	209B	1			D
5,8-Indolizidine	209I	3			D
1,4-Quinolizidine	217A	13	1	5	M
5,8-Indolizidine	217B	15	1	4	M, D
5,8-Indolizidine	217B'			4	M (ref. 39)
5,8-Indolizidine	217B''	1			x
5,8-Indolizidine	219F	1		4	M, D
5,8-Indolizidine	219L	1			M
5,8-Indolizidine	221I	4		4	M
5,8-Indolizidine	221I'	1			x
SpiroP	222		1		D
3,5-Pyrrolizidine	223B			5	D, B
Izidine	223C	2			D
3,5-Pyrrolizidine	<i>cis</i> - 223H	3			M, D, B
3,5-Pyrrolizidine	223H'	1		2	D, M (ref. 6)
3,5-Pyrrolizidine	223H''	3	1	5	x
3,5-Pyrrolizidine	223H'''	3	1	2	x
5,8-Indolizidine	223I	1			D
3,5-Pyrrolizidine	223M	2			M
1,4-Quinolizidine	231A	15			M, D
1,4-Quinolizidine	231A'	3			M (ref. 4)
1,4-Quinolizidine	233A	7		4	M
Spiropyrrolizidine	236	3	1		M, D, B
Spiropyrrolizidine	236'	1	1		x
Pumiliotoxin	237A	8		1	M, D
3,5-Pyrrolizidine	237G		1		D, B
3,5-Pyrrolizidine	237G'		1		x
Nitropolyzonamine	238		1		D

Alkaloid Class	MW Code*	<i>M. baroni</i> (15)	<i>M. madagascariensis</i> (1)	<i>M. bernhardi</i> (6)	Frog Family
3,5-Pyrrolizidine	239K		1		M
3,5-Pyrrolizidine	239K'		1		M
5,8-Indolizidine	241F	4			M
5,8-Indolizidine	243B	1			M, D
5,8-Indolizidine	243C	1			M
5,8-Indolizidine	243D	3			M
5,8-Indolizidine	245B	1		3	M
5,8-Indolizidine	245C	2		3	M
Decahydroquinoline	245E	1			D
5,8-Indolizidine	247E	2		2	D
3,5-Indolizidine	249A	8			M, D
3,5-Indolizidine	249A'	2			x
Pumiliotoxin (PTX)	251D	11	1		M, D, B
DeoxyPTX	251H	2			D
5,6,8-Indolizidine	251M	1			M, D
5,8-Indolizidine	251N	2			D
3,5-Pyrrolizidine	251O	15	1	6	M
homoPTX	251R	2			M, D
Izidine	255B	2			D
1,4-Quinolizidine	257D	7			D
Tricyclic	261C		1		M
homoPTX	265N	11	1		M, D
PTX	267C		1		M, D, B, Myo
Unclass	271B	4			M, D
5,6,8-Indolizidine	273A	11			M
5,6,8-Indolizidine	273A'	1			M
3,5-Indolizidine	275C	11			M, D
3,5-Indolizidine	275C'	12	1		x
5,6,8-Indolizidine	275E	1	1		D
DeoxyPTX	291E	4			M
5,6,8-Indolizidine	293C	1			D
DeoxyPTX	293D	6			M
PTX	305B		1		D
PTX A	307A	1			M, D
PTX	307D		1		D
PTX	307F''	2			M, D
PTX	307F'''	2			M, D
PTX	307G	12	1		M
PTX	309A	14	1	1	M, D
alloPTX	323B	4		6	M, D, B, Myo
homoPTX	323E	1			M
alloPTX	325A	11		6	M, D, Myo

*Isomers are often indicated in the Molecular Weight code with a prime symbol, e.g., **236'**.