

Short Note

Multiple paternity in the pueriparous North African fire salamander, *Salamandra algira*, supports polyandry as a successful mating strategy in low fecundity *Salamandra* lineages

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Supplementary material

Table S1. Details of the 12 microsatellites (Steinfartz et al., 2004; Hendrix et al., 2010) used in this study and information on multiplex arrangement. Original published primers forward and reverse sequences, fluorescently labelled oligonucleotides used as template for modified forward primers and the concentration of primer forward and reverse used on each duplex or multiplex.

Locus	Multiplex	Label*	Primer forward (5' – 3')	Primer reverse (5' – 3')	PF concentration multiplex (μM)	PR concentration multiplex (μM)
SST-A6-II ²	Duplex S1	PET	ATTCTCTCTGACAAG GATTGTGG	GGTAGACAGACA TCAAGGCAGAC	0.3	3
SalE14 ¹	Duplex S1	VIC	GCTGCCCTCTGCCT ACTGACCAT	GCCAAGACATGG AACACCCCTCCCGC	0.1	1
SST-B11 ²	Duplex S2	PET	TCAAACGGTGCCAAA GTTATTAG	TTAATTGGCAGTT TTCCTTCCAG	0.1	1
SalE12 ¹	Duplex S2	VIC	CTCAGGAACAGTGTG CCCCAAATAC	CTCATATAATTAGT CTACCCCTCCAC	0.1	1
SST-C3 ²	Panel S3	PET	CCGTTTGAGTCACTT CTTTCTTG	TTGCTTTACCAAC CAGTTATTGTC	0.14	1.4
SalE7 ¹	Panel S3	NED	TTTCAGCACCAAGAT ACCTCTTTG	CTCCCTCCATATC AAGGTACAGAC	0.08	0.8
SalE5 ¹	Panel S3	6-FAM	CCACATGATGCCTAC GTATGTTGTG	CTCCTGTTACGC TTCACCTGCTCC	0.06	0.6
SalE2 ¹	Panel S3	VIC	CACGACAAAATACAG AGAGTGGATA	ATATTGAAATTG CCCATTGGTA	0.3	3
SalE06 ¹	Panel S4	VIC	GGACTCATGGTCACC CAGAGGTTCT	ATGGATTGTTGTCG AAATAAGGTATC	0.12	1.2
Sal3 ¹	Panel S4	6-FAM	CTCAGACAAGAAATC CTGCTTCTTC	ATAAAATCTGTCCT GTTCTTAATCAG	0.12	1.2
SalE8 ¹	Panel S4	NED	GCAAAGTCCATGCTT TCCCTTCTC	GACATACCAAAG ACTCCAGAATGGG	0.08	0.8
SST-G9 ²	Panel S4	NED	CCTCGTCAGGGTTG TAGG	CTTCCAGGAAGA AACTGAGATG	0.12	1.2

*An extra number of base pairs were added at the 5' end of the original sequence of forward primers in order to allow binding of four different fluorescent labelled oligonucleotides (6-FAM - TGT AAA ACG ACG GCC AGT; VIC - TAA TAC GAC TCA CTA TAG GG; NED - TTT CCC AGT CAC GAC GTT G; PET - GAT AAC AAT TTC ACA CAG G)

References

- Hendrix, R., Hauswaldt, J.S., Veith, M., Steinfartz, S. (2010): Strong correlation between cross-amplification success and genetic distance across all members of ‘True Salamanders’(Amphibia: Salamandridae) revealed by *Salamandra salamandra*-specific microsatellite loci. Mol. Ecol. Resour. **10**: 1038–1047.
- Steinfartz, S., Kuesters, D., Tautz, D. (2004): Isolation and characterization of polymorphic tetranucleotide microsatellite loci in the Fire salamander *Salamandra salamandra* (Amphibia: Caudata). Mol. Ecol. Notes **4**: 626–628.