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SUPPLEMENTARY MATERIAL

Great crested newt *Triturus cristatus*, smooth newt *Lissotriton vulgaris*, and other amphibians in an acidified area of southern Norway surveyed using eDNA and other methods

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Table 1S. The investigated ponds with coordinates according to Euref89 UTM (European Reference System 1989, Universal Transverse Mercator) zone 32, altitude (m a.s.l.) and surface area

		Coordinates UTM-zone 32			
Pond no.	**Locality (pond name)**	**East**	**North**	**m a.s.l.**	**Area (m²)**
1	Spjøstjenn	500630	6524501	145	1250
2	Kalvåstjenn	499577	6524076	204	1200
3	Grønbergtjenn	499606	6523746	232	1600
4	Igletjenn	500920	6523764	186	1180
5	Rossmyra Southwest	501218	6523961	181	340
6	Rossmyra Middle	501300	6524002	180	1050
7	Rossmyra North east	501350	6524085	179	160
8	Stemtjern East	500771	6523378	196	2060
9	Stemtjern West	500656	6523338	196	2800
10	Little Grønbergtjenn	499212	6523685	236	400
11	Torgrimsmyr	500784	6524741	144	100
12	Bjørnåsen	500622	6522892	218	700

Table 2S. Forward primers (F), reverse primers (R) and probes used during PCR for each species

Species	Primers (5' – 3' direction)	Gene	Probe (5' – 3' direction)	Reference
Lissotriton vulgaris	**F**: CCTACTTCTCCTACAAAGACATGCT **R**: TTTCTGGGTCTCCTAAAAGGTTTGG	Cytb	FAM-AAGGAGCATAAGTAAGAAACC MGPNFQ	(Smart et al., 2015)
Triturus cristatus	**F:** CGTAAACTACGGCTGACTAGTACGAA **R:** CCGATGTGTATGTAGATGCAAACA	Cytb	FAM-CATCCACGCTAACGGAGCCTCGC MGPNFQ	(Thomsen et al., 2012)
Bufo bufo	**F:** CGGAACCGAACTTGTTCAG **R:** ATGAAGAAAAAGAAGGTGGAGT	Cytb	[6FAM]CTCAGTAGATAACGCAACCCTGACACG[BHQ1]	N. Gyllenstrand, Swedish Museum of Natural History. Pers. Comm.
Rana temporaria	**F:** CGGAGTAATCCTCTTATTCTTAGTG **R:** CGAGGTCGTAGCCAATGTAG	Cytb	[6FAM]CTTCCGTGAGGGAAATGTCATTTTGA[BHQ1]	N. Gyllenstrand, Swedish Museum of Natural History. Pers. Comm.
Rana arvalis	**F:** CAAGACCTCGTTCAATGAATC **R:** TGTTTGATGTAGGAACAGAAGG	Cytb	[6FAM]ATGCAACTCTGACCCGATTCTTTACG[BHQ1]	N. Gyllenstrand, Swedish Museum of Natural History. Pers. Comm.
Pelophylaxles sonae	**F:** CCGGCTAATCCCCTCGTTAC **R:** AGGGCTAAGACTCCTCCCAG	Cytb	6FAM-CTATGCAATCCTACGCTCA MGPNFQ	A. Slettan Univ. in Agder, Norway, pers.comm.
B. dendrobatidis	**F:** CCTTGATATAATACAGTGTGCCATATGTC **R:** AGCCAAGAGATCCGTTGTCAAA	ITS1	6FAM CGAGTCGAACAAAAT MGPNFQ	(Boyle et al., 2004)

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