

Table S1. Prevalence for each sampled site expressed in percent. Numbers in parentheses describe the number of positive individuals out of the total number sampled.

Site name	Site number	Coordinates (RT90)		Region	Species	Species prevalence per site for each year sampled (%)				Prevalence, all species, all years (%)
						2015	2016	2017	2018	
Stensoffa	1	6177154	1352018	South	<i>Rana temporaria</i>	33.3 (1/3)				
Stensoffa	1	6177154	1352018	South	<i>Bufo bufo</i>	0 (0/23)				3.8 (1/26)
Revinge	2	6178989	1350956	South	<i>Rana arvalis</i>	25 (4/16)	33.3 (7/21)			
Revinge	2	6178989	1350956	South	<i>Rana temporaria</i>	0 (0/18)				
Revinge	2	6178989	1350956	South	<i>Bufo bufo</i>		14.3 (1/7)			
Revinge	2	6178989	1350956	South	<i>Epidalea calamita</i>	33.3 (5/15)				22.1 (17/77)
Kungsmarken	3	6179872	1341626	South	<i>Rana arvalis</i>	0 (0/19)				
Kungsmarken	3	6179872	1341626	South	<i>Rana temporaria</i>	0 (0/13)				0 (0/32)
Tvedörra	4	6177115	1350760	South	<i>Rana temporaria</i>	0 (0/2)				0 (0/2)
Högaborg	5	6158073	1386646	South	<i>Rana temporaria</i>	0 (0/26)				
Högaborg	5	6158073	1386646	South	<i>Bufo bufo</i>	0 (0/30)				0 (0/56)
Falsterbo	6	6145541	1314781	South	<i>Rana arvalis</i>	0 (0/19)				
Falsterbo	6	6145541	1314781	South	<i>Rana temporaria</i>	0 (0/5)				
Falsterbo	6	6145541	1314781	South	<i>Bufo bufo</i>	0 (0/15)				0 (0/39)
Skogshejdan	7	6159677	1375209	South	<i>Rana arvalis</i>	75 (3/4)				
Skogshejdan	7	6159677	1375209	South	<i>Rana temporaria</i>	50 (2/4)				62.5 (5/8)
Sjunnerup	8	6206731	1360616	South	<i>Rana arvalis</i>	0 (0/1)				
Sjunnerup	8	6206731	1360616	South	<i>Rana temporaria</i>	0 (0/27)				0 (0/28)
Stockmöllan	9	6204201	1349434	South	<i>Rana arvalis</i>	0 (0/5)				
Stockmöllan	9	6204201	1349434	South	<i>Rana temporaria</i>	0 (0/27)				0 (0/32)
Benarp	10	6194100	1372195	South	<i>Rana arvalis</i>	0 (0/4)				
Benarp	10	6194100	1372195	South	<i>Rana temporaria</i>	0 (0/4)				0 (0/8)
Ravlunda	11	6180775	1396295	South	<i>Rana arvalis</i>	0 (0/10)				
Ravlunda	11	6180775	1396295	South	<i>Rana temporaria</i>	0 (0/7)				
Ravlunda	11	6180775	1396295	South	<i>Bufo bufo</i>	0 (0/26)				0 (0/43)
Åhus sandtag	12	6201120	1402927	South	<i>Rana arvalis</i>	0 (0/28)				
Åhus sandtag	12	6201120	1402927	South	<i>Rana temporaria</i>	0 (0/2)				
Åhus sandtag	12	6201120	1402927	South	<i>Bufo bufo</i>	0 (0/20)				0 (0/50)
Skansen	13	6158840	1408320	South	<i>Rana arvalis</i>	56.3 (9/16)				

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						2015	2016	2017	2018	
Skansen	13	6158840	1408320	South	<i>Rana temporaria</i>	0 (0/14)				
Skansen	13	6158840	1408320	South	<i>Bufo bufo</i>	33.3 (1/3)				3.3 (10/33)
Riseberg S	14	6219458	1345740	South	<i>Bufo bufo</i>	4 (1/25)				25 (1/25)
Köpingebro	15	6148064	1382478	South	<i>Rana arvalis</i>	0 (0/2)				
Köpingebro	15	6148064	1382478	South	<i>Rana temporaria</i>	0 (0/17)				
Köpingebro	15	6148064	1382478	South	<i>Bufo bufo</i>	0 (0/12)				0 (0/31)
Västra Ingelstad	16	6154045	1331311	South	<i>Rana arvalis</i>	0 (0/7)				
Västra Ingelstad	16	6154045	1331311	South	<i>Rana temporaria</i>	0 (0/9)				
Västra Ingelstad	16	6154045	1331311	South	<i>Bufo bufo</i>	0 (0/22)				0 (0/38)
Falsterbo strand	17	6143549	1310721	South	<i>Rana arvalis</i>		0 (0/1)			
Falsterbo strand	17	6143549	1310721	South	<i>Bufo bufo</i>		0 (0/21)			
Falsterbo strand	17	6143549	1310721	South	<i>Epidalea calamita</i>	33.3 (10/30)	92.3 (12/13)			
Falsterbo strand	17	6143549	1310721	South	<i>Bufo viridis</i>	6.3 (2/32)				
Falsterbo strand	17	6143549	1310721	South	<i>Pelophylax esculentus</i>		100 (6/6)			29.1 (30/103)
Järvallen	18	6191366	1320856	South	<i>Bufo bufo</i>		7.1 (1/14)			
Järvallen	18	6191366	1320856	South	<i>Epidalea calamita</i>	60 (6/10)				29.2 (7/24)
Vressle	19	6172380	1363109	South	<i>Epidalea calamita</i>	0 (0/15)				0 (0/15)
Möllehässle	20	6243579	1295231	South	<i>Bombina bombina</i>	50 (7/14)				50 (7/14)
Lundåkradammen	21	6196285	1315620	South	<i>Bufo viridis</i>	93.3 (14/15)				93.3 (14/15)
Eskilstorp	22	6153611	1319950	South	<i>Rana temporaria</i>		0 (0/3)			
Eskilstorp	22	6153611	1319950	South	<i>Bufo bufo</i>		0 (0/21)			
Eskilstorp	22	6153611	1319950	South	<i>Bufo viridis</i>	96.7 (29/30)				53.7 (29/54)
Klinhus	23	6159379	1369918	South	<i>Bombina bombina</i>	20 (3/15)				20 (3/15)
Brantevik	24	6154822	1407973	South	<i>Bufo bufo</i>		0 (0/13)			
Brantevik	24	6154822	1407973	South	<i>Bufo viridis</i>	90.9 (20/22)				57.1 (20/35)
Gränby	25	6641169	1604323	Central	<i>Rana arvalis</i>	0 (0/1)	0 (0/1)			
Gränby	25	6641169	1604323	Central	<i>Rana temporaria</i>	0 (0/5)	0 (0/12)			
Gränby	25	6641169	1604323	Central	<i>Bufo bufo</i>	0 (0/11)	0 (0/2)			
Ultuna	26	6634136	1604420	Central	<i>Rana temporaria</i>	0 (0/1)				
Ultuna	26	6634136	1604420	Central	<i>Bufo bufo</i>	14.3 (1/7)				12.5 (1/8)
Stadsskogen	27	6637234	1601790	Central	<i>Rana temporaria</i>	0 (0/20)				0 (0/20)
Dalkarskärret	28	6629923	1599977	Central	<i>Rana arvalis</i>		14.3 (1/7)			

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Dalkarskärret	28	6629923	1599977	Central	<i>Bufo bufo</i>	4.1 (1/24)	16.7 (1/6)			
Flogsta	29	6637631	1600617	Central	<i>Rana temporaria</i>		16.7 (1/6)			
Flogsta	29	6637631	1600617	Central	<i>Bufo bufo</i>	19 (4/21)	0 (0/5)			
Hossmo Säteri	30	-	-	South	<i>Pelophylax esculentus</i>	8.3 (1/12)				8.3 (1/12)
Ottenby	31	-	-	South	<i>Bufo bufo</i>	0 (0/2)				
Ottenby	31	-	-	South	<i>Bufotes viridis</i>	0 (0/6)				0 (0/8)
Blekinge	32	-	-	South	<i>Bufo bufo</i>	0 (0/11)				
Blekinge	32	-	-	South	<i>Pelophylax lessonae</i>	63.6 (14/22)				42.4 (14/33)
Limhamn	33	6163544	1318757	South	<i>Bufotes viridis</i>		0 (0/13)			0 (0/13)
Märyd	34	6177215	1346295	South	<i>Rana arvalis</i>		0 (0/12)			
Märyd	34	6177215	1346295	South	<i>Bufo bufo</i>		0 (0/11)			0 (0/23)
Stensma	35	6192579	1382138	South	<i>Rana temporaria</i>		0 (0/18)			
Stensma	35	6192579	1382138	South	<i>Bufo bufo</i>		0 (0/2)			0 (0/20)
Riseberga N	36	6220500	1347816	South	<i>Rana temporaria</i>		0 (0/1)			
Riseberga N	36	6220500	1347816	South	<i>Bufo bufo</i>		5.6 (1/18)			5.3 (1/19)
Tomarp	37	6222752	1401932	South	<i>Bufo bufo</i>		0 (0/24)			0 (0/24)
Mala	38	6234129	1371355	South	<i>Bufo bufo</i>		0 (0/12)			0 (0/12)
Ängelholm	39	6237026	1315604	South	<i>Rana temporaria</i>		0 (0/1)			
Ängelholm	39	6237026	1315604	South	<i>Bufo bufo</i>		0 (0/22)			0 (0/23)
Norra Hamnen	40	6170737	1323687	South	<i>Bufotes viridis</i>		95.5 (21/22)			95.5 (21/22)
Isbladskärret	41	6580829	1633080	Central	<i>Rana temporaria</i>		0 (0/1)			
Isbladskärret	41	6580829	1633080	Central	<i>Bufo bufo</i>		11.8 (2/17)			11.1 (2/18)
Judarskogen	42	6581588	1620310	Central	<i>Rana temporaria</i>		0 (0/2)			0 (0/2)
Judarskogen	42	6581588	1620310	Central	<i>Bufo bufo</i>		0 (0/11)			0 (0/11)
Kaknäs ängar	43	6581383	1632944	Central	<i>Rana arvalis</i>		0 (0/2)			
Kaknäs ängar	43	6581383	1632944	Central	<i>Rana temporaria</i>		16.7 (1/6)			
Kaknäs ängar	43	6581383	1632944	Central	<i>Bufo bufo</i>		0 (0/6)			7.1 (1/14)
Kista	44	6587828	1623357	Central	<i>Bufo bufo</i>		0 (0/19)			0 (0/19)
Kyrksjön	45	6582940	1620186	Central	<i>Bufo bufo</i>		0 (0/12)			0 (0/12)
Långsjön	46	6574526	1622577	Central	<i>Bufo bufo</i>		0 (0/10)			0 (0/10)
Mörtviken	47	6578994	1624627	Central	<i>Bufo bufo</i>		0 (0/14)			0 (0/14)
Sicklasjön	48	6577865	1631536	Central	<i>Rana temporaria</i>		0 (0/1)			

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Sicklasjön	48	6577865	1631536	Central	<i>Bufo bufo</i>		0 (0/10)			0 (0/11)
Vallentuna	49	6616342	1634355	Central	<i>Rana arvalis</i>		0 (0/1)			
Vallentuna	49	6616342	1634355	Central	<i>Bufo bufo</i>		23.5 (4/17)			22.2 (4/18)
Aspvägen	50	6614238	1614422	Central	<i>Rana temporaria</i>			0 (0/2)		
Aspvägen	50	6614238	1614422	Central	<i>Bufo bufo</i>			20 (3/15)		17.6 (3/17)
Balingsta	51	6627122	1590676	Central	<i>Bufo bufo</i>			0 (0/14)		0 (0/14)
Bergianska	52	6585178	1627373	Central	<i>Bufo bufo</i>			0 (0/20)		0 (0/20)
Billerstena	53	6634767	1563921	Central	<i>Rana arvalis</i>			100 (1/1)		
Billerstena	53	6634767	1563921	Central	<i>Rana temporaria</i>			0 (0/1)		
Billerstena	53	6634767	1563921	Central	<i>Bufo bufo</i>			0 (0/14)		6.3 (1/16)
Blumen	54	6631529	1598266	Central	<i>Bufo bufo</i>			0 (0/7)		0 (0/7)
Brevik	55	6582770	1636768	Central	<i>Bufo bufo</i>			0 (0/6)		0 (0/6)
Ekolsund	56	6615345	1587764	Central	<i>Bufo bufo</i>			5.6 (1/18)		5.6 (1/18)
Glömmstasjön	57	6572214	1620109	Central	<i>Bufo bufo</i>			11.1 (1/9)		11.1 (1/9)
Harbostugan	58	6565796	1617470	Central	<i>Bufo bufo</i>			10 (1/10)		10 (1/10)
Högsta	59	6653737	1599337	Central	<i>Bufo bufo</i>			0 (0/17)		0 (0/17)
Johannesberg	60	6626607	1634139	Central	<i>Bufo bufo</i>			0 (0/18)		0 (0/18)
Knipträsk	61	6575698	1638036	Central	<i>Bufo bufo</i>			5 (1/20)		5 (1/20)
Kräppla	62	6572093	1626876	Central	<i>Bufo bufo</i>			0 (0/12)		0 (0/12)
Lötsjön	63	6585364	1623092	Central	<i>Bufo bufo</i>			0 (0/15)		0 (0/15)
Lövsta	64	6587031	1612627	Central	<i>Bufo bufo</i>			12.5 (2/16)		12.5 (2/16)
Nacka golf	65	6582258	1644820	Central	<i>Bufo bufo</i>			0 (0/12)		0 (0/12)
Skeppdalström	66	6579010	1653088	Central	<i>Bufo bufo</i>			6.7 (1/15)		6.7 (1/15)
Stenhagen	67	6638916	1598943	Central	<i>Bufo bufo</i>			0 (0/17)		0 (0/17)
Stora Skuggan	68	6585010	1629216	Central	<i>Bufo bufo</i>			7.1 (1/14)		7.1 (1/14)
Trehörningen	69	6624722	1641527	Central	<i>Bufo bufo</i>			0 (0/13)		0 (0/13)
Vårdsätra	70	6631130	1602239	Central	<i>Bufo bufo</i>			0 (0/10)		0 (0/10)
Vedlösa	71	6713692	1621079	Central	<i>Pelophylax lessonae</i>			45 (9/20)		45 (9/20)
Gäddalen	72	6714982	1621018	Central	<i>Pelophylax lessonae</i>			19 (4/21)		19 (4/21)
Rundskär	73	6708020	1623261	Central	<i>Pelophylax lessonae</i>			25 (1/4)		25 (1/4)
Slåtaren	74	6708119	1624918	Central	<i>Pelophylax lessonae</i>			0 (0/3)		0 (0/3)
Högestad	75	6154779	1377495	South	<i>Bombina bombina</i>				75 (12/16)	

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					2015	2016	2017	2018	
Högestad	75	6154779 1377495	South	<i>Pelobates fuscus</i>				0 (0/5)	57.1 (12/21)
Frihult	76	6161368 1363265	South	<i>Pelobates fuscus</i>				0 (0/1)	0 (0/1)
Grimshög	77	6143180 1391044	South	<i>Pelobates fuscus</i>				0 (0/1)	0 (0/1)
Stensberg	78	6159053 1390602	South	<i>Pelobates fuscus</i>				0 (0/1)	0 (0/1)
Tryde NR	79	6160835 1380812	South	<i>Pelobates fuscus</i>				0 (0/2)	0 (0/2)
Vikhög	80	6182494 1323555	South	<i>Pelobates fuscus</i>				100 (2/2)	100 (2/2)
Ekeborg	81	6624060 1566527	Central	<i>Rana arvalis</i>		33.3 (6/18)			33.3 (6/18)
Eneby	82	6625081 1558173	Central	<i>Rana arvalis</i>		28.6 (4/14)			28.6 (4/14)
Valsbrunna	83	6626706 1569267	Central	<i>Rana arvalis</i>		5.3 (1/19)			5.3 (1/19)
Kroklösa	84	6611325 1563149	Central	<i>Rana arvalis</i>		14.3 (2/14)			14.3 (2/14)
Mosta	85	6646755 1583467	Central	<i>Rana arvalis</i>		17.6 (3/17)			17.6 (3/17)
Högbyhatt	86	6634745 1598686	Central	<i>Rana arvalis</i>		0 (0/13)			0 (0/13)
Ströbykärret	88	6645768 1584019	Central	<i>Rana arvalis</i>		21.4 (3/14)			21.4 (3/14)
Lillträsket	89	7291308 1800156	North	<i>Rana arvalis</i>		0 (0/9)			0 (0/9)
Vittjärnen	90	7281459 1771791	North	<i>Rana arvalis</i>		0 (0/15)			0 (0/15)
Djurhustjärnen	91	7280308 1773299	North	<i>Rana arvalis</i>		0 (0/7)			0 (0/7)
Dalbacka	92	7276651 1757845	North	<i>Rana arvalis</i>		0 (0/11)			0 (0/11)
Damm 14	93	6698783 1631409	Central	<i>Pelophylax lessonae</i>				11.1 (1/9)	11.1 (1/9)
Kungsträsket	94	6698783 1631409	Central	<i>Pelophylax lessonae</i>				40 (4/10)	40 (4/10)
Örsundsbro	95	6625273 1584721	Central	<i>Bufo bufo</i>				0 (0/1)	0 (0/1)
Kittelberget	96	6643841 1622849	Central	<i>Rana temporaria</i>				0 (0/1)	
Kittelberget	96	6643841 1622849	Central	<i>Bufo bufo</i>				0 (0/20)	0 (0/21)
Husby	97	6628126 1653230	Central	<i>Bufo bufo</i>				0 (0/7)	
Husby	97	6628126 1653230	Central	<i>Rana arvalis</i>				0 (0/1)	0 (0/8)
Läby	98	6638320 1593507	Central	<i>Bufo bufo</i>				9.5 (2/21)	9.5 (2/21)
Stentorp	99	6637126 1611599	Central	<i>Bufo bufo</i>				0 (0/10)	0 (0/10)
Ö Syninge	100	6631100 1650676	Central	<i>Bufo bufo</i>				5.3 (1/19)	5.3 (1/19)
Finsta	101	6621670 1583950	Central	<i>Bufo bufo</i>				0 (0/13)	0 (0/13)
Gottröra	102	6626560 1636852	Central	<i>Bufo bufo</i>				0 (0/12)	0 (0/12)
Total					16.7 (138/826)	12.2 (72/589)	7.6 (26/344)	14.5 (22/152)	13.8 (264/1917)

Table S2. Water temperatures at spawning for each species sampled. Temperatures taken from literature.

Species	Spawning temperature (°C)	Reference
<i>Rana temporaria</i>	5	Elmberg (1990)
<i>Bufo bufo</i>	8	Höglund & Robertson (1987)
<i>Rana arvalis</i>	9.5	Hettyey et al. (2009)
<i>Pelobates fuscus</i>	10	Yermokhin et al. (2015)
<i>Epidalea calamita</i>	12.3	Banks & Beebee (1987)
<i>Pelophylax esculentus</i>	15	Obert (1975)
<i>Pelophylax lessonae</i>	16	Sjögren et al. (1988)
<i>Bufo variabilis</i>	16.9	Sicilia et al. (2006)
<i>Bombina orientalis</i>	17	Kinne et al. (2006)

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