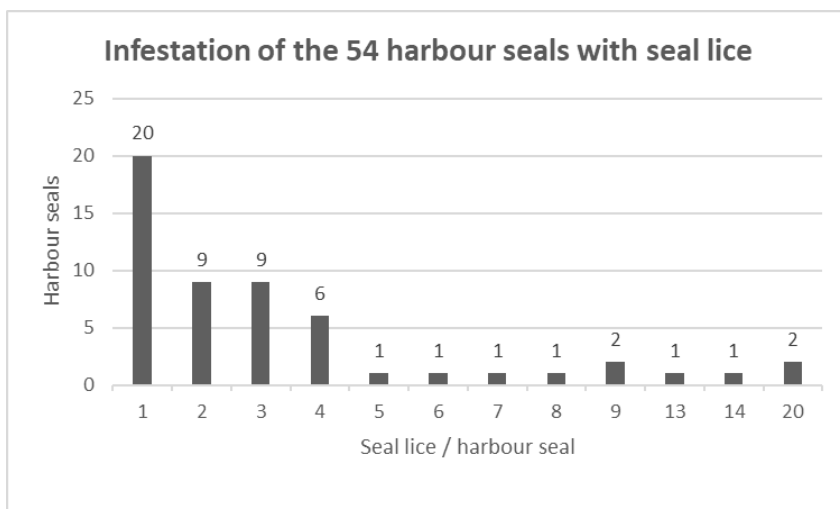


Additional file 1

Infestation of seals with seal lice (after arrival at Sealcentre Pieterburen)



Number of *Echinophthirius horridus* lice detected on seals admitted to Sealcentre Pieterburen (Pieterburen, The Netherlands) for rehabilitation in summer 2012 (05-06 – 08-16-2012). Lice were pooled separately from each seal and were molecularly analyzed for pathogens.

Pool no.	Number of lice	Rehab number	Species	Collection date
—	>1000	12-289	HG	5-6-2012
—	8 mites	"	HG	5-6-2012
1	3	12-307	PV	6-2-2012
2	1	12-312	PV	6-17-2012
3	1	12-318	PV	6-11-2012
4	1	12-321	PV	8-16-2012
5	9	12-322	PV	7-14-2012
6	4	"	PV	7-16-2012
7	1	12-340	PV	6-17-2012
8	1	12-344	PV	8-11-2012
9	2	12-351	PV	7-5-2012
10	1	12-354	PV	6-19-2012
11	1	12-356	PV	6-30-2012
12	2	"	PV	7-4-2012
13	2	12-357	PV	7-23-2012
14	2	12-358	PV	6-21-2012
15	2	12-359	PV	7-5-2012
16	1	12-360	PV	7-23-2012
17	4	12-372	PV	7-11-2012
18	2	12-375	PV	6-27-2012
19	2	"	PV	7-9-2012
20	3	12-378	PV	6-27-2012
21	3	12-381	PV	6-30-2012
22	4	12-385	PV	6-26-2012
23	16	"	PV	7-11-2012
24	2	12-386	PV	7-3-2012
25	6	"	PV	7-15-2012
26	1	12-389	PV	6-26-2012
27	2	12-390	PV	7-2-2012
28	1	12-391	PV	6-27-2012
29	2	12-393	PV	7-29-2012
30	5	12-397	PV	7-11-2012
31	3	12-399	PV	7-2-2012

Pool no.	Number of lice	Rehab number	Species	Collection date
32	1	12-400	PV	7-3-2012
33	1	12-403	PV	7-4-2012
34	3	12-404	PV	7-4-2012
35	3	"	PV	8-8-2012
36	2	12-406	PV	7-4-2012
37	1	"	PV	7-13-2012
38	1	"	PV	?
39	1	12-408	PV	7-4-2012
40	1	12-409	PV	7-28-2012
41	3	12-410	PV	7-3-2012
42	2	12-418	PV	11-7-2012
43	1	12-419	PV	8-14-2012
44	1	12-421	PV	8-14-2012
45	4	12-422	PV	8-13-2012
46	4	12-424	PV	7-19-2012
47	20	12-425	PV	7-19-2012
48	1	12-427	PV	7-22-2012
49	1	"	PV	8-13-2012
50	3	12-428	PV	7-21-2012
51	3	12-429	PV	7-24-2012
52	2	12-430	PV	7-24-2012
53	1	"	PV	8-13-2012
54	1	12-432	PV	24-7-2012
55	1	12-433	PV	7-27-2012
56	9	12-434	PV	7-29-2012
57	4	12-435	PV	7-29-2012
58	7	12-436	PV	8-2-2012
59	2	12-438	PV	7-30-2012
60	1	12-439	PV	8-6-2012
61	9	12-443	PV	8-6-2012
62	1	12-445	PV	?
63	1	12-454	PV	8-15-2012
64	14	120709-06	PV	7-12-2012

Seals: HG *Halichoerus grypus*, PV *Phoca vitulina*, **pools in bold** were positive for *Acanthocheilonema spirocauda*.