

Comparative study of proliferative kidney disease in grayling *Thymallus thymallus* and brown trout *Salmo trutta fario*: an exposure experiment

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Table S1: *Salmo trutta fario*. Brown trout mortality calculation in the initial period, where no infections with *T. bryosalmonae* (no PKD) were seen (until 15th of August) and in the period after the first detection of *T. bryosalmonae* infections (between 13th of September and 17th of October). N dead = number of dead animals per date, experimental day = amount of days after start of experiment

Initial period before PKD was detected in any sample

Date	Experimental day	N dead	
09.08.	19	2	
10.08.	20	1	This initial period was discarded as animals might have died from stress or handling
14.08.	24	1	
15.08.	25	2	

After first detection of PKD

Date	Experimental day	No PKD detected		PKD detected	
		N dead	Total	N dead	Total
13.09.	54	0	19	1	76
15.09.	56	1	19	0	75
18.09.	59	0	18	2	75
19.09.	60	0	18	3	73
20.09.	61	0	18	2	70
23.09.	64	0	18	2	68
28.09.	69	1	18	1	66
29.09.	70	0	17	3	65
05.10.	76	0	17	1	62
17.10.	88		17		61

Table S2: *Salmo trutta fario*. Calculated daily mortality rates in brown trout infected with *T. bryosalmonae* (PKD) or not infected (no PKD).

Period	Pooled days	No PKD detected		PKD detected		Survival rate over period		Daily mortality (%)		Binomial statistics	
		N dead	Total	N dead	Total	No PKD	PKD	No PKD	PKD	Mortality with PKD > Mortality without PKD P value	Significance
16.08 - 9.09	20	0	19		76	1.00		0.00			
10.09 - 14.09	5	1	19	1	76	0.95	0.99	1.08	0.26	0.53	N.S.
16.09 - 19.09	5	0	18	5	75	1.00	0.93	0.00	1.37	0.00097	***
20.09 - 24.09	5	0	18	4	70	1.00	0.94	0.00	1.17	0.0055	**
25.09 - 29.09	5	1	18	4	66	0.94	0.94	1.14	1.24	0.0044	**
30.09 - 14.10	15	0	17	1	62	1.00	0.98	0.00	0.11	0.85	N.S.
Overall daily mortality%											
No PKD								0.20			
PKD								0.75			
Estimation (including 16.08-9.09):											