

The following supplement accompanies the article

Biochemical reference intervals and pathophysiological changes in *Flavobacterium psychrophilum*-resistant and -susceptible rainbow trout lines

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Supplement. Observed correlations between analytes in rainbow trout at rest and trends of biochemical analytes not found to be clinically significant following infection with *Flavobacterium psychrophilum*

Table S1. Correlations (below diagonal) and p-values (above diagonal) of weight, packed cell volume (PCV), and biochemical analytes from pooled resistant (ARS-Fp-R) and susceptible (ARS-Fp-S) line rainbow trout *Oncorhynchus mykiss* reference range data ($p < 0.05$). Dashes indicate values that were not statistically significant ($p > 0.05$). Na: sodium; Cl: chloride; HCO_3 : bicarbonate; TP: total protein; Alb: albumin; Glu: glucose; Chol: cholesterol; Ca: calcium; P: phosphorus; Mg: magnesium; BUN: blood urea nitrogen; ALT: alanine aminotransferase; AST: aspartate aminotransferase; CK: creatine kinase; LDH: lactate dehydrogenase; Osm: osmolality; Cort: cortisol

	Weight	PCV	Na	Cl	HCO_3	TP	Alb	Glu	Chol	Ca	P	Mg	BUN	ALT	AST	CK	LDH	Osm	Cort
Weight	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PCV	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Na	—	—	—	<0.001	<0.001	—	—	—	—	—	—	—	—	<0.05	<0.05	—	0.00	—	
Cl	—	—	0.40	—	—	<0.001	<0.001	—	<0.001	<0.001	0.001	<0.001	<0.001	—	—	—	—	—	
HCO_3	—	—	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.01	—	
TP	—	—	—	-0.57	—	—	<0.001	—	<0.001	<0.001	0.05	<0.001	<0.05	—	—	<0.05	—	—	
Alb	—	—	—	-0.50	—	0.95	—	<0.001	<0.001	<0.001	<0.01	<0.001	—	—	<0.05	<0.01	—	—	
Glu	—	—	—	—	—	—	—	—	—	—	—	<0.05	—	—	—	—	<0.05	—	
Chol	—	—	—	-0.34	—	0.61	0.52	—	—	<0.001	—	<0.01	—	—	—	—	—	—	
Ca	—	—	—	-0.56	—	0.82	0.80	—	0.39	—	<0.01	<0.001	<0.05	—	<0.05	<0.05	—	<0.05	
P	—	—	—	-0.33	—	0.25	0.29	—	—	0.44	—	<0.01	<0.001	—	<0.05	<0.01	—	—	
Mg	—	—	—	-0.34	—	0.2	0.62	—	0.37	0.58	0.30	—	—	—	—	—	—	<0.05	
BUN	—	—	—	-0.39	—	0.24	—	-0.28	—	0.27	0.55	—	—	—	<0.05	—	—	—	
ALT	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.001	<0.001	—	—	—	
AST	—	—	0.25	—	—	0.27	—	—	0.26	0.26	—	—	—	—	—	—	<0.05		
CK	—	—	0.27	—	—	0.28	0.31	—	—	0.28	0.31	—	0.28	0.49	—	<0.05	<0.05	—	
LDH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	—	—	—	
Osm	—	—	0.98	—	0.39	—	—	0.23	—	0.22	—	—	—	0.25	0.28	—	—	—	
Cort	—	—	—	—	—	—	—	—	—	-0.25	—	-0.24	—	—	-0.22	—	—	—	

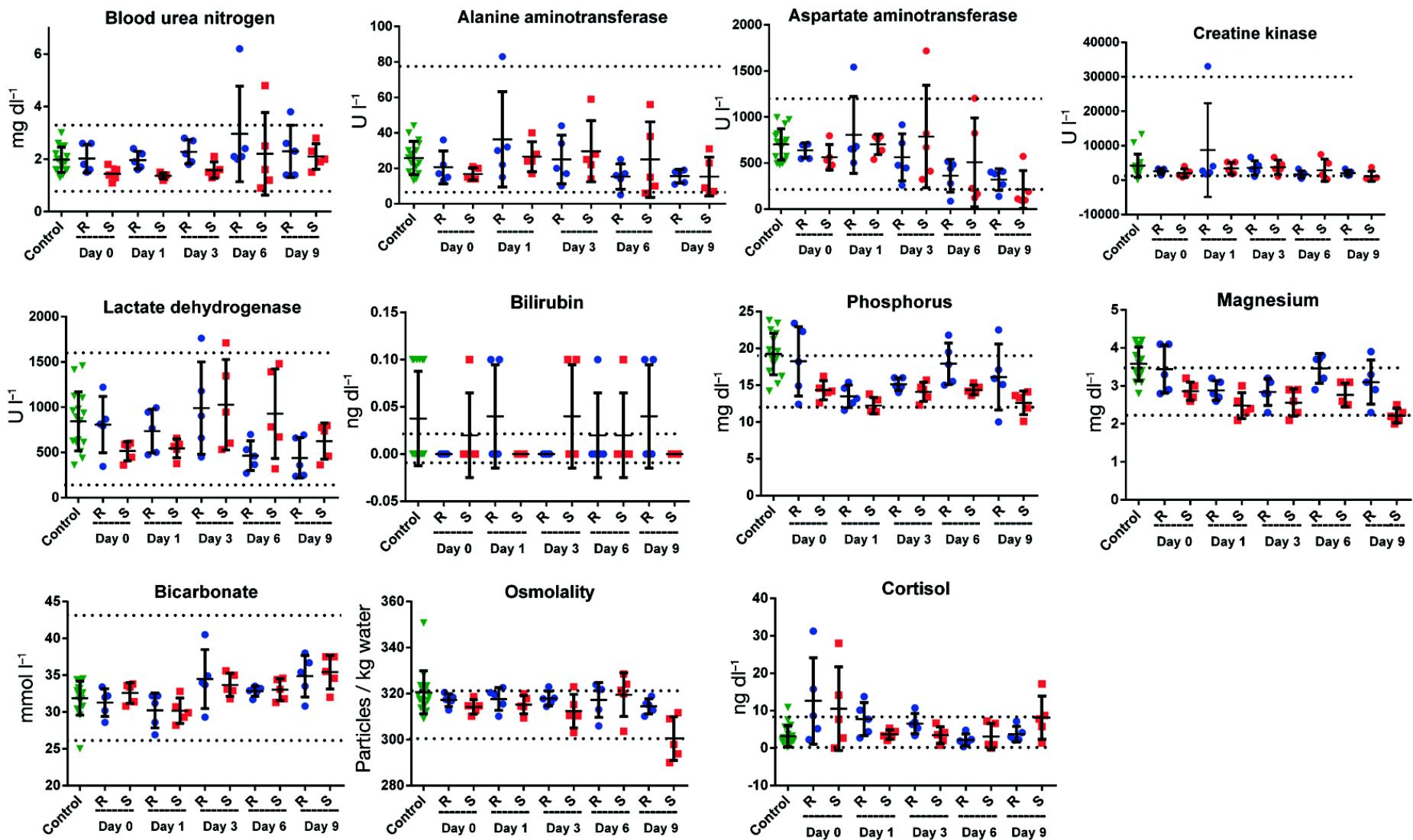


Fig. S1. Analytes that were non-clinically changed during the infectivity trial in resistant (ARS-Fp-R) line (R, blue circles) and susceptible (ARS-Fp-S) line (S, red squares) rainbow trout *Oncorhynchus mykiss* compared to phosphate-buffered saline challenged fish (Control, green triangles) and reference intervals (dotted lines represent the upper and lower confidence intervals for normal physiological ranges determined for the pooled ARS-Fp-R and ARS-Fp-S reference range population)