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The effects of increasing dietary levels of soy protein concentrate (SPC) on the immune responses and disease resistance (furunculosis) of vaccinated and non-vaccinated Atlantic salmon (*Salmo salar* L.) parr

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#### 16 **Abbreviations**

17 AC, alternative complement; ANF, anti-nutrient factors; BSA, bovine serum albumin; CCP,  
18 classical complement pathway; dpv, days post vaccination; EAAs, essential amino acids;  
19 ELISA, enzyme linked immunosorbent assay; FM, fishmeal; G-CFB, gelatine-complement  
20 fixation buffer; HKM, head kidney macrophages; HSWB, high salt wash buffer; i.p.,  
21 intraperitoneal; LRT, likelihood ratio test; LSBW, low salt wash buffer; PBS, phosphate  
22 buffer saline; SRBC, sheep red blood cells; SBM, soybean meal; SPC, soy protein  
23 concentrate; TSA, tryptic soy agar; TC, total complement.

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25 **Keywords:** *Atlantic salmon, parr, soy protein concentrate, vaccination, immune function*

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