**TABLE S2**

List of microsatellite markers used for detection of survival-associated QTL (DH-F00)

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References:

c McConnell et al. 1995 Can J Fish Aquat Sci 52:1863-1872
d Gharbi and Guyomard, Jouy-en-Josas,INRA
e Morris et al. 1996 Can J Fish Aquat Sci 53:120
f Jackson et al. 1998 Heredity 80:143
g Gharbi et al. 2006 Genetics 172(4): 2405–2419

Position: marker positions are given according to Guyomard et al. 2012.

χ²: comparison of allele frequencies (R vs. S grandparental allele) in the two population tails (early dead & survivors) at each locus.