

## **ABSTRACT**

The present invention provides an asymmetric PCR method, the COMplementary-Primer-Asymmetric (COMPAS)-PCR, and specific methods for detecting, identifying or monitoring the species and/or gender of salmonids. The present invention also encompasses oligonucleotide primers corresponding to species specific sequences. The use of the methods and primers are also an aspect of the present invention together with kits comprising said primers.