Wild, farmed and growth-enhanced transgenic coho salmon (market-size) were compared, regarding their body composition and nutritional value. All treatments showed highest lipid levels in the ventral frontal sections and lowest in the tail ($p \leq 0.05$). Overall wild fish showed lower lipid levels and firmer values in the tail sections ($p \leq 0.05$). The insertion of the growth hormone gene affected lipid deposition, texture and color, since transgenic fish showed firmer texture than farmed and similar lipid contents even when fed a high-energy diet. L*, a* and b* values were similar for wild and transgenic coho in most of the body zones. Fillet mineral and amino acid profiles were similar across all groups. No differences were observed in flavor between farmed and wild coho, while panelists preferred the appearance of farmed, when compared to transgenic coho.

ACKNOWLEDGEMENTS

First of all, I would like to thank God for allowing me the opportunity to come to Virginia Tech and complete my masters and now my Ph.D. Without his power and love I would have never been able to accomplish both goals. His words gave me strength and courage through all this process: **I can do all things through Him who strengthens me** (Philippians 4:13).

I want to thank my advisor, Dr. George Flick, Jr. for helping me in these three years and being not only a guide but a wonderful human being whom I respect and admire.

I also want to thank my Master's advisor Dr. Susan Duncan for helping me through my masters and Ph.D, and also for being always concerned and caring.

Dr. Sean O'Keefe for always being available to help solve all my problems in the chemistry area and make everything look so easy and simple.

I want to thank Dr. Steven Craig and Dr. Ewen McLean for showing me how fun it is to work with fish and helping me constantly in the lab and during the writing process, but overall for being not only mentors but friends.

I would also like to thank Kim, Harriet, Dr. Wang, Scott, John, Terry and Laura. You are the backbone of the Food Science Department and without your help we would be lost. Also big thanks to Rob at the Aquaculture Center for taking care of my fish when I was not able to and Wendy for her valuable help.

I want to thank all my wonderful friends, who heard me complain and helped me relax, work and have fun: Marleen, Bridgett, Jaehee, Kannapha, Janet, Stephanie, Jenny, Mary Dean, Leigh Ann and all my friends back home who supported me with emails and phone calls.

Very special thanks to Fletcher Arritt, for being my best friend, confident and support. He did not only help me with my research but helped me laugh and enjoy every minute I spent here in Blacksburg.

I want to finally thank my parents and sisters, Monica and Angela for believing in me and helping me through all these years with their love and encouragement. I owe this to you.

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