CONTENT

CHAPTER 1	7
General introduction	
CHAPTER 2	19

Lipid composition in common carp (Cyprinus carpio) sperm possessing different cryoresistance

CHAPTER 3	25

Consequences of uncontrolled cooling during sterlet ($Acipenser\ ruthenus$) sperm cryopreservation on post-thaw motility and fertilizing ability

CHAPTER 4 35

Cryopreservation effect on sterlet ($Acipenser\ ruthenus$) sperm subpopulations obtained by Percoll density gradient

CHAPTER 5	65
General discussion	67
English summary	74
Czech summary	ices of Paculty of Fishedge and Protection of Waters: 57 Pavel Kozák
Acknowledgements	76
List of publications	four of doctorate study defence with reviewers: 77 c. Prof. Josef Matena – head of the board
Training and supervision plan during stud	y 9 79
Curriculum vitae	rednam broad - audian about 81