

## CONTENT

<b>CHAPTER 1</b>	<b>7</b>
General introduction	
<b>CHAPTER 2</b>	<b>29</b>
Comparison of oocyte mRNA localization patterns in sterlet <i>Acipenser ruthenus</i> and African clawed frog <i>Xenopus laevis</i>	
<b>CHAPTER 3</b>	<b>39</b>
The timing and characterization of maternal to zygote transition and mid-blastula transition in sterlet <i>Acipenser ruthenus</i> and <i>A. ruthenus</i> x <i>Acipenser gueldenstaedtii</i> hybrid	
<b>CHAPTER 4</b>	<b>49</b>
General discussion	51
English summary	58
Czech summary	60
Acknowledgements	62
List of publications	63
Training and supervision plan during study	65
<i>Curriculum vitae</i>	67