PLANNING		AUG SEP			SEP				ост					NOV				
			Aug-09			Aug-30				Oct-04	. /			Nov-01				
WP	Tasks/Dates	W32	W33	W34	W35	W36	W37	W38	W39	W40	W41	W42	W43	W44	W45	W46	W47	
	WP1 - Master thesis prep																	
T1.1	WP1-T1 - proposal	T1.1	T1.1	T1.1			A = I			A = -		A = I						
T1.2	WP1-T2 - first draft				A = 7					A = I								
T1.3	WP1-T3 - final draft WP1-T4 - regular check	T1.4			T1.4			T1.4			T1.4			T1.4			T1.4	
T1.4	WP2 - Pond, fish and husbandry	11.4			11.4			11.4			11.4			11.4			11.4	
T2.1	WP2 - Pond, fish and husbandry WP2- prepare pond, stock breeders, select feeding regime	-	_	+-	T2.1	T2.1	T2.1	T2.1	T2.1	T2.1	T2.1		+	+-	+-	-		
T2.1	WP2- Feed the offspring and raise 400 juveniles.	$\vdash \vdash$		+-	12.1	12.1	T2.2	T2.2	T2.2	T2.2	T2.2		+	$\leftarrow$	+	+		
T2.3	WP2 - Quality control, fish free of diseases				+		12.2	12.2	12.2	12.2	T2.3							
T2.4	WP2- Prepare 4 medium experimental ponds for Ct, Sa, Av, SaAv			-	+	+	-	-	+-		12.5	T2.4						
T2.5	WP2- Acclimatation 10-14days		+-	+-	+	+-	+-	+-	+-	+	-	T2.5	T2.5		+-	+		
T2.6	WP2- Prepare at least 9 small ponds for the challenge test											12.0						
T2.7	WP2- Clean the ponds at the end of the experiment			+				+	+		+-	+	+					
	WP3 - Bacterial preparation, vaccine preparation		<del>                                     </del>	+	+	_	_	+	+	+	_	_	+		_	+	1	
T3.1	WP3- Recovery of the two strains		<del></del>	+	+-	+-	<del>                                     </del>	+	+	+	+	T3.1	T3.1		_	+	+	
T3.2	WP3- Amplification and culture for challenge test			_	_		_	_	+	+			T3.2	T3.2	T3.2	T3.2	T3.2	
T3.3	WP3- Production of vaccine								1				T3.3					
T3.4	WP3- Stockage of vaccine					1		1	1	1	1		T3.4	T3.4	T3.4	T3.4	T3.4	
T3.5	WP3-Stockage of bacteria for challenge test																	
T3.6	WP3-Verify the concentration																	
	WP4 - Immunization, fish swab, challenge test																	
T4.1	WP4- Fish Swab before immunization-acclimatation									4	T4.1			4				
T4.2	WP4- Immunization		4	4	4	4	4	4		4	4	4			T4.2			
T4.3	WP4- Fish swabs weekly (keep at cold temperature)				4		4		4	4	4	4	4	T4.3	T4.3	T4.3	T4.3	
T4.4	WP4- Challenge test with the two strains									4								
T4.5	WP4- Draw results of the challenge test			4	$A \longrightarrow$	$\overline{}$	4	4		4	4	4		4	4		4	
T4.6	WP4- Discussions	4—	-	4	4	4	4	4	4	4	_		4		4	4		
11	WP5 - ELISA, PCR, Agglutination test	<u> </u>	+'	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
T5.1	WP5- ELISA for each group of samples for IgM and IgT	<u> </u>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
T5.2	WP5- PCR of key immune genes	<u> </u>	<del></del>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
T5.3	WP5- Agglutination test	<u> </u>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
T5.4	WP5- Results and interpretations	<u> </u>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
T5.5	WP5- Conclusions	<u> </u>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
T5.6	WP5- Recommendations		<del></del>	$\leftarrow$	+-		_	+-	_	+		_			$\leftarrow$			
	WP6 - Ethics requirements		$\leftarrow$	+	A	$\leftarrow$	$\leftarrow$	+	$\leftarrow$	$\overline{A}$	4	$\leftarrow$	4	$\leftarrow$	$\leftarrow$	A	$\overline{}$	
T6.1	WP6 - Ethics requirement 1: Animal welfare during experimentation			A = 7	A = 7	A = 7	A = 7	4 7	4 7	4 7	4	A = 7	A = 7	4	A = 7	4 7		
	WP6 - Ethics requirement 2: Approve use of fish for the study by				4 7			4										
T6.2	Animal Care and Use Committee																	
	PLANNING (continued)	DEC				IAN	JAN								MAR			
i	1 Entitlito (continuca)	= DEC	Dec-06			Dec-27	457				FEB Jan-31				Feb-28			
WD	Tooks/Dates		Dec-00			Dec-27					Jan-31				160-20		A	

PLANNING (continued)			DEC								FEB				MAR		
-		Dec-06				Dec-27	,				Jan-31				Feb-28		
WP	Tasks/Dates	W48	W49	W50	W51	W52	W1	W2	W3	W4	W5	W6	W7	W8	w9	W10	W11
	WP1 - Master thesis prep																
T1.1	WP1-T1 - proposal																
T1.2	WP1-T2 - first draft																
T1.3	WP1-T3 - final draft																
T1.4	WP1-T4 - regular check		T1.4		T1.4		T1.4			T1.4			T1.4			T1.4	
	WP2 - Pond, fish and husbandry																
T2.1	WP2- prepare pond, stock breeders, select feeding regime																
T2.2	WP2- Feed the offspring and raise 400 juveniles.																
T2.3	WP2 - Quality control, fish free of diseases																
T2.4	WP2- Prepare 4 medium experimental ponds for Ct, Sa, Av, SaAv																
T2.5	WP2- Acclimatation 10-14days																
T2.6	WP2- Prepare at least 9 small ponds for the challenge test WP2- Clean the ponds at the end of the experiment								-								_
T2.7		-														+	
H	WP3 - Bacterial preparation, vaccine preparation																
T3.1	WP3- Recovery of the two strains																+
T3.2	WP3- Amplification and culture for challenge test								1							<b>├</b>	+
T3.3 T3.4	WP3- Production of vaccine WP3- Stockage of vaccine	<u> </u>														+	
T3.5	WP3-Stockage of vaccine WP3-Stockage of bacteria for challenge test		1													┼──	+
T3.6	WP3-Stockage of bacteria for challenge test WP3-Verify the concentration		1						1							├──	+
13.0	WP4 - Immunization, fish swab, challenge test																
T4.1	WP4- Fish Swab before immunization-acclimatation																
T4.1	WP4- Instrumentation																_
T4.3	WP4- Fish swabs weekly (keep at cold temperature)																
T4.4	WP4- Challenge test with the two strains																
T4.5	WP4- Draw results of the challenge test																
T4.6	WP4- Discussions																
	WP5 - ELISA, PCR, Agglutination test																
T5.1	WP5- ELISA for each group of samples for IgM and IgT																
T5.2	WP5- PCR of key immune genes																
T5.3	WP5- Agglutination test																
T5.4	WP5- Results and interpretations																
T5.5	WP5- Conclusions		1						1	1						ــــــ	
T5.6	WP5- Recommendations								_	_							1
	WP6 - Ethics requirements																
T6.1	WP6 - Ethics requirement 1: Animal welfare during experimentation																
	WP6 - Ethics requirement 2: Approve use of fish for the study by																
T6.2	Animal Care and Use Committee																
			•		•		•		•		•	•					