



Cell Cycle Regulation					Chromatid Cohesion					Interhomolog Recombination				
Cyclins		CDKs		CDC20	PLK		Cohesin complex							
+	+	cyclin A												
+	+	cyclin B												
+	+		cyclin B3											
+	+		cyclin D											
+	+		cyclin E											
			cdk1											
			cdk2											
			cdk4											
			cdk10											
			fzr											
				cdc20 (fly)										
				cortex										
					cdc25									
						2								
							plk-1							
								plk-2/3						
								plk-4						
									smc1					
									smc2					
									smc3					
									smc4					
									smc5					
									smc6					
									rad21					
									rec8					
									SA					
									separase					
										spo11				
										hop1				
										mre11				
										rad51				
										dmc1				
										rad51c				
										rad51d				
										xrcc2				
										xrcc3				
										hop2				
										mnd1				
										rad50				
										mih1				
										pms1				
										mih3				
										pms2				
										msh2				
										msh3				
										msh4				
										msh5				
										recq1				
										recq2				
										recq3				
										recq4				
										recq5				