

**Table S5: Cell cycle associated genes**

Symbol/Class	Entrez Gene Name	Entrez Gene ID	FC	BPQ Response	
<b>CDKs</b>					
PFTK1	PFTAIRE protein kinase 1	784403	7.55 ▲	-	-
CDK3	cyclin-dependent kinase 3	618631	1.90 ▲	-	-
<b>Cyclins</b>					
CCNA1	cyclin A1	521939	3.85 ▼	4.38 ▲	
CCNE1	cyclin E1	533526	1.32 ▲	1.88 ▼	
CCNA2	cyclin A2	281667	1.31 ▲	1.61 ▼	
CCNYL1	cyclin Y-like 1	538167	1.38 ▲	-	-
CCND2	cyclin D2	615414	-	1.46 ▼	
CCNE2	cyclin E2	538436	-	2.16 ▼	
CCNG2	cyclin G2	512960	-	2.57 ▲	
<b>CDK Inhibitors</b>					
CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	510244	4.99 ▼	-	
CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	512613	3.52 ▼	-	
CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	510972	3.22 ▼	-	
CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	505691	3.12 ▼	-	
CDKN2A	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	616369	2.96 ▼	-	
<b>CDK-activation</b>					
CDC25A	cell division cycle 25 homolog A (S. pombe)	520188	1.42 ▲	2.06 ▼	