

<b>Gene name</b>	<b>Simultaneous 20 genes</b>
<b>CDC28</b>	CLN3 expression ratio $\leq 1.3$   MCM1 expression ratio $\leq 1.1$     CDC34 expression ratio $\leq 0.7$       CLB6 expression ratio $\leq 1$ = downregulated       CLB6 expression ratio $> 1$ = upregulated     CDC34 expression ratio $> 0.7$ = downregulated   MCM1 expression ratio $> 1.1$ = upregulated CLN3 expression ratio $> 1.3$ = upregulated
<b>MBP1</b>	CDC34 expression ratio $\leq 1$ = upregulated CDC34 expression ratio $> 1$ = downregulated
<b>CDC53</b>	CLB6 expression ratio $\leq 0.7$ = downregulated CLB6 expression ratio $> 0.7$   SWI5 expression ratio $\leq 0.5$ = downregulated   SWI5 expression ratio $> 0.5$     CLN3 expression ratio $\leq 1.2$ = upregulated     CLN3 expression ratio $> 1.2$       HCT1 expression ratio $\leq 1$ = upregulated       HCT1 expression ratio $> 1$ = downregulated
<b>CDC34</b>	MBP1 expression ratio $\leq 1.2$ = upregulated MBP1 expression ratio $> 1.2$ = downregulated
<b>SWI5</b>	CLB2 expression ratio $\leq 0.8$ = downregulated CLB2 expression ratio $> 0.8$   SWI4 expression ratio $\leq 1.1$ = upregulated   SWI4 expression ratio $> 1.1$ = downregulated
<b>SKP1</b>	CDC34 expression ratio $\leq 0.9$ = downregulated CDC34 expression ratio $> 0.9$ = upregulated
<b>SWI4</b>	SKP1 expression ratio $\leq 0.6$ = downregulated SKP1 expression ratio $> 0.6$   MBP1 expression ratio $\leq 0.7$ = upregulated   MBP1 expression ratio $> 0.7$     CDC53 expression ratio $\leq 1$       SIC1 expression ratio $\leq 0.6$ = upregulated       SIC1 expression ratio $> 0.6$ = downregulated     CDC53 expression ratio $> 1$ = upregulated
<b>HCT1</b>	SWI6 expression ratio $\leq 1.2$   CLN1 expression ratio $\leq 2$     CDC53 expression ratio $\leq 1$ = upregulated     CDC53 expression ratio $> 1$       CLB1 expression ratio $\leq 0.7$ = downregulated       CLB1 expression ratio $> 0.7$         CLB1 expression ratio $\leq 0.8$ = upregulated         CLB1 expression ratio $> 0.8$ = downregulated   CLN1 expression ratio $> 2$ = downregulated SWI6 expression ratio $> 1.2$ = downregulated
<b>CDC20</b>	CLN1 expression ratio $\leq 1.2$   MBP1 expression ratio $\leq 0.8$ = upregulated   MBP1 expression ratio $> 0.8$     CLN2 expression ratio $\leq 0.5$ = upregulated     CLN2 expression ratio $> 0.5$       HCT1 expression ratio $\leq 0.9$ = upregulated       HCT1 expression ratio $> 0.9$ = downregulated CLN1 expression ratio $> 1.2$ = downregulated

<b>SIC1</b>	SWI4 expression ratio $\leq 1.1$   CLN3 expression ratio $\leq 1.4$ = downregulated   CLN3 expression ratio $> 1.4$ = upregulated SWI4 expression ratio $> 1.1$ = upregulated
<b>SWI6</b>	SWI5 expression ratio $\leq 0.6$ = upregulated SWI5 expression ratio $> 0.6$   CLB4 expression ratio $\leq 1.3$     CLN3 expression ratio $\leq 0.8$       SIC1 expression ratio $\leq 1$ = downregulated       SIC1 expression ratio $> 1$ = upregulated     CLN3 expression ratio $> 0.8$ = downregulated   CLB4 expression ratio $> 1.3$ = upregulated
<b>MCM1</b>	CDC53 expression ratio $\leq 0.7$ = upregulated CDC53 expression ratio $> 0.7$   HCT1 expression ratio $\leq 0.8$ = upregulated   HCT1 expression ratio $> 0.8$ = downregulated
<b>CLN1</b>	CDC20 expression ratio $\leq 0.8$ = upregulated CDC20 expression ratio $> 0.8$   CLN2 expression ratio $\leq 1.2$ = downregulated   CLN2 expression ratio $> 1.2$ = upregulated
<b>CLN2</b>	SWI5 expression ratio $\leq 1.1$   CLN1 expression ratio $\leq 0.8$     CDC28 expression ratio $\leq 0.9$ = upregulated     CDC28 expression ratio $> 0.9$ = downregulated   CLN1 expression ratio $> 0.8$ = upregulated SWI5 expression ratio $> 1.1$ = downregulated
<b>CLN3</b>	SKP1 expression ratio $\leq 1.3$   CLB4 expression ratio $\leq 1.6$     SWI5 expression ratio $\leq 1.7$ = upregulated     SWI5 expression ratio $> 1.7$ = downregulated   CLB4 expression ratio $> 1.6$ = downregulated SKP1 expression ratio $> 1.3$ = downregulated
<b>CLB1</b>	CLB2 expression ratio $\leq 1$ = downregulated CLB2 expression ratio $> 1$ = upregulated
<b>CLB2</b>	CLB1 expression ratio $\leq 0.9$ = downregulated CLB1 expression ratio $> 0.9$ = upregulated
<b>CLB4</b>	CLN3 expression ratio $\leq 1$   CDC34 expression ratio $\leq 0.8$ = downregulated   CDC34 expression ratio $> 0.8$ = upregulated CLN3 expression ratio $> 1$ = downregulated
<b>CLB5</b>	CLB6 expression ratio $\leq 1.1$   MCM1 expression ratio $\leq 0.9$ = downregulated   MCM1 expression ratio $> 0.9$     SKP1 expression ratio $\leq 1.2$ = upregulated     SKP1 expression ratio $> 1.2$ = downregulated CLB6 expression ratio $> 1.1$ = upregulated
<b>CLB6</b>	CLB5 expression ratio $\leq 1.1$   SWI5 expression ratio $\leq 1.7$ = downregulated   SWI5 expression ratio $> 1.7$ = upregulated CLB5 expression ratio $> 1.1$ = upregulated

<b>Gene name</b>	<b>Time delay 20 genes</b>
<b>CDC28</b>	MBP1 expression ratio $\leq 0.7$ = upregulated next step MBP1 expression ratio $> 0.7$   SWI4 expression ratio $\leq 0.7$ = upregulated next step   SWI4 expression ratio $> 0.7$ = downregulated next step
<b>MBP1</b>	CDC34 expression ratio $\leq 0.9$   SWI4 expression ratio $\leq 0.9$     SIC1 expression ratio $\leq 0.6$ = downregulated next step     SIC1 expression ratio $> 0.6$ = upregulated next step   SWI4 expression ratio $> 0.9$ = downregulated next step CDC34 expression ratio $> 0.9$ = upregulated next step
<b>CDC53</b>	SIC1 expression ratio $\leq 0.5$ = downregulated next step SIC1 expression ratio $> 0.5$   CLN1 expression ratio $\leq 0.5$ = downregulated next step   CLN1 expression ratio $> 0.5$ = upregulated next step
<b>CDC34</b>	MBP1 expression ratio $\leq 1.2$ = downregulated next step MBP1 expression ratio $> 1.2$   CLB4 expression ratio $\leq 0.7$ = downregulated next step   CLB4 expression ratio $> 0.7$ = upregulated next step
<b>SWI5</b>	CLB1 expression ratio $\leq 1$   CLN3 expression ratio $\leq 0.8$ = upregulated next step   CLN3 expression ratio $> 0.8$ = downregulated next step CLB1 expression ratio $> 1$ = upregulated next step
<b>SKP1</b>	MBP1 expression ratio $\leq 1.2$ = downregulated next step MBP1 expression ratio $> 1.2$   CLB4 expression ratio $\leq 0.7$ = downregulated next step   CLB4 expression ratio $> 0.7$ = upregulated next step
<b>SWI4</b>	CDC28 expression ratio $\leq 1.1$   CLN3 expression ratio $\leq 0.9$ = downregulated next step   CLN3 expression ratio $> 0.9$     CLN2 expression ratio $\leq 0.8$ = downregulated next step     CLN2 expression ratio $> 0.8$ = upregulated next step CDC28 expression ratio $> 1.1$ = upregulated next step
<b>HCT1</b>	SWI5 expression ratio $\leq 1.6$   SWI5 expression ratio $\leq 1.2$     CLB1 expression ratio $\leq 0.8$       CLN1 expression ratio $\leq 1.9$ = downregulated next step       CLN1 expression ratio $> 1.9$ = upregulated next step     CLB1 expression ratio $> 0.8$ = upregulated next step   SWI5 expression ratio $> 1.2$ = downregulated next step SWI5 expression ratio $> 1.6$ = upregulated next step
<b>CDC20</b>	CLB1 expression ratio $\leq 0.6$ = downregulated next step CLB1 expression ratio $> 0.6$   CDC34 expression ratio $\leq 1.4$ = upregulated next step   CDC34 expression ratio $> 1.4$ = downregulated next step
<b>SIC1</b>	CLN3 expression ratio $\leq 1$ = downregulated next step CLN3 expression ratio $> 1$ = upregulated next step
<b>SWI6</b>	SKP1 expression ratio $\leq 0.9$   CLN2 expression ratio $\leq 0.8$ = downregulated next step   CLN2 expression ratio $> 0.8$ = upregulated next step SKP1 expression ratio $> 0.9$ = downregulated next step

<b>MCM1</b>	<p>CDC53 expression ratio <math>\leq 0.9</math>= downregulated next step  CDC53 expression ratio <math>&gt; 0.9</math>    CLB4 expression ratio <math>\leq 0.9</math>      CLB4 expression ratio <math>\leq 0.6</math>= upregulated next step      CLB4 expression ratio <math>&gt; 0.6</math>= downregulated next step    CLB4 expression ratio <math>&gt; 0.9</math>= upregulated next step</p>
<b>CLN1</b>	<p>SWI5 expression ratio <math>\leq 1.1</math>= upregulated next step  SWI5 expression ratio <math>&gt; 1.1</math>= downregulated next step</p>
<b>CLN2</b>	<p>CLB1 expression ratio <math>\leq 1</math>= upregulated next step  CLB1 expression ratio <math>&gt; 1</math>= downregulated next step</p>
<b>CLN3</b>	<p>CDC53 expression ratio <math>\leq 1</math>= upregulated next step  CDC53 expression ratio <math>&gt; 1</math>= downregulated next step</p>
<b>CLB1</b>	<p>CLB6 expression ratio <math>\leq 1.2</math>= upregulated next step  CLB6 expression ratio <math>&gt; 1.2</math>= downregulated next step</p>
<b>CLB2</b>	<p>CLB6 expression ratio <math>\leq 1.2</math>= upregulated next step  CLB6 expression ratio <math>&gt; 1.2</math>= downregulated next step</p>
<b>CLB4</b>	<p>CLN1 expression ratio <math>\leq 0.7</math>= downregulated next step  CLN1 expression ratio <math>&gt; 0.7</math>    MBP1 expression ratio <math>\leq 0.7</math>= downregulated next step    MBP1 expression ratio <math>&gt; 0.7</math>= upregulated next step</p>
<b>CLB5</b>	<p>CLB1 expression ratio <math>\leq 1.9</math>    SIC1 expression ratio <math>\leq 0.5</math>= downregulated next step    SIC1 expression ratio <math>&gt; 0.5</math>= upregulated next step  CLB1 expression ratio <math>&gt; 1.9</math>= downregulated next step</p>
<b>CLB6</b>	<p>SWI5 expression ratio <math>\leq 0.8</math>= upregulated next step  SWI5 expression ratio <math>&gt; 0.8</math>    CLB4 expression ratio <math>\leq 0.7</math>= upregulated next step    CLB4 expression ratio <math>&gt; 0.7</math>= downregulated next step</p>

<b>Gene name</b>	<b>Changes 20 genes</b>
<b>CDC28</b>	SWI5 positive change = no change SWI5 no change   CLB6 positive change = positive change   CLB6 no change     HCT1 positive change = no change     HCT1 no change       SWI4 positive change = no change       SWI4 no change = no change       SWI4 negative change = positive change     HCT1 negative change = negative change   CLB6 negative change = positive change SWI5 negative change = negative change
<b>MBP1</b>	CDC34 positive change = negative change CDC34 no change = no change CDC34 negative change = positive change
<b>CDC53</b>	MBP1 positive change   CLB4 positive change = positive change   CLB4 no change = no change   CLB4 negative change = positive change MBP1 no change = no change MBP1 negative change   SWI5 positive change = negative change   SWI5 no change = negative change   SWI5 negative change = no change
<b>CDC34</b>	MBP1 positive change = negative change MBP1 no change = no change MBP1 negative change = positive change
<b>SWI5</b>	CLN2 positive change = negative change CLN2 no change = no change CLN2 negative change = no change
<b>SKP1</b>	CDC34 positive change = positive change CDC34 no change = no change CDC34 negative change = negative change
<b>SWI4</b>	CLB1 positive change = no change CLB1 no change   SKP1 positive change     CDC53 positive change = no change     CDC53 no change = positive change     CDC53 negative change = no change   SKP1 no change = no change   SKP1 negative change     CLB4 positive change = negative change     CLB4 no change = negative change     CLB4 negative change = no change CLB1 negative change = positive change
<b>HCT1</b>	CLN2 positive change = no change CLN2 no change = no change CLN2 negative change = positive change

<b>CDC20</b>	MBP1 positive change   SWI4 positive change = no change   SWI4 no change = negative change   SWI4 negative change = no change MBP1 no change = positive change MBP1 negative change   CDC28 positive change = no change   CDC28 no change = positive change   CDC28 negative change = no change
<b>SIC1</b>	= no change
<b>SWI6</b>	SKP1 positive change   CDC53 positive change = positive change   CDC53 no change = positive change   CDC53 negative change = no change SKP1 no change   CLB1 positive change = positive change   CLB1 no change = positive change   CLB1 negative change = no change SKP1 negative change = negative change
<b>MCM1</b>	CDC34 positive change   SWI4 positive change = positive change   SWI4 no change = no change   SWI4 negative change = positive change CDC34 no change = no change CDC34 negative change = negative change
<b>CLN1</b>	= no change
<b>CLN2</b>	CLB5 positive change = positive change CLB5 no change = no change CLB5 negative change = negative change
<b>CLN3</b>	CLB4 positive change = negative change CLB4 no change = no change CLB4 negative change = positive change
<b>CLB1</b>	CLB2 positive change = positive change CLB2 no change = no change CLB2 negative change = negative change
<b>CLB2</b>	CLB1 positive change = positive change CLB1 no change = no change CLB1 negative change = negative change
<b>CLB4</b>	SKP1 positive change   CLN3 positive change = no change   CLN3 no change = no change   CLN3 negative change = positive change SKP1 no change = no change SKP1 negative change   CDC53 positive change = negative change   CDC53 no change = no change   CDC53 negative change = negative change
<b>CLB5</b>	CLN2 positive change = positive change CLN2 no change = no change CLN2 negative change = negative change
<b>CLB6</b>	= no change

<b>Gene name</b>	<b>Simultaneous Cyclins</b>
<b>CLN1</b>	CLN2 expression ratio $\leq 1.1$ = downregulated CLN2 expression ratio $> 1.1$ = upregulated
<b>CLN2</b>	CLB2 expression ratio $\leq 0.9$ = upregulated CLB2 expression ratio $> 0.9$ = downregulated
<b>CLN3</b>	CLB4 expression ratio $\leq 0.9$   CLB2 expression ratio $\leq 1.9$ = upregulated   CLB2 expression ratio $> 1.9$ = downregulated CLB4 expression ratio $> 0.9$   CLB1 expression ratio $\leq 2.1$ = downregulated   CLB1 expression ratio $> 2.1$ = upregulated
<b>CLB1</b>	CLB2 expression ratio $\leq 1$ = downregulated CLB2 expression ratio $> 1$ = upregulated
<b>CLB2</b>	CLB1 expression ratio $\leq 0.9$ = downregulated CLB1 expression ratio $> 0.9$ = upregulated
<b>CLB4</b>	CLN3 expression ratio $\leq 1$   CLB2 expression ratio $\leq 1.9$ = upregulated   CLB2 expression ratio $> 1.9$ = downregulated CLN3 expression ratio $> 1$ = downregulated
<b>CLB5</b>	CLB6 expression ratio $\leq 1.1$   CLN3 expression ratio $\leq 1.2$ = downregulated   CLN3 expression ratio $> 1.2$ = upregulated CLB6 expression ratio $> 1.1$ = upregulated
<b>CLB6</b>	CLB5 expression ratio $\leq 1.1$   CLB2 expression ratio $\leq 1.9$ = downregulated   CLB2 expression ratio $> 1.9$ = upregulated CLB5 expression ratio $> 1.1$ = upregulated

<b>Gene name</b>	<b>Time delay Cyclins</b>
<b>CLN1</b>	CLB2 expression ratio $\leq 0.9$ = upregulated next step CLB2 expression ratio $> 0.9$   CLB4 expression ratio $\leq 1.7$ = downregulated next step   CLB4 expression ratio $> 1.7$ = upregulated next step
<b>CLN2</b>	CLB1 expression ratio $\leq 1$ = upregulated next step CLB1 expression ratio $> 1$ = downregulated next step
<b>CLN3</b>	CLB2 expression ratio $\leq 1.6$   CLB4 expression ratio $\leq 1.7$     CLB1 expression ratio $\leq 0.6$       CLB2 expression ratio $\leq 0.5$ = downregulated next step       CLB2 expression ratio $> 0.5$ = upregulated next step     CLB1 expression ratio $> 0.6$ = downregulated next step   CLB4 expression ratio $> 1.7$ = upregulated next step CLB2 expression ratio $> 1.6$ = upregulated next step
<b>CLB1</b>	CLB6 expression ratio $\leq 1.2$ = upregulated next step CLB6 expression ratio $> 1.2$ = downregulated next step
<b>CLB2</b>	CLB6 expression ratio $\leq 1.2$ = upregulated next step CLB6 expression ratio $> 1.2$ = downregulated next step
<b>CLB4</b>	CLN1 expression ratio $\leq 0.7$ = downregulated next step CLN1 expression ratio $> 0.7$   CLB1 expression ratio $\leq 0.6$     CLB2 expression ratio $\leq 0.5$ = upregulated next step     CLB2 expression ratio $> 0.5$ = downregulated next step   CLB1 expression ratio $> 0.6$ = upregulated next step
<b>CLB5</b>	CLB1 expression ratio $\leq 1.9$ = upregulated next step CLB1 expression ratio $> 1.9$ = downregulated next step
<b>CLB6</b>	CLB2 expression ratio $\leq 0.9$ = upregulated next step CLB2 expression ratio $> 0.9$   CLB4 expression ratio $\leq 0.7$ = upregulated next step   CLB4 expression ratio $> 0.7$ = downregulated next step



<b>Gene name</b>	<b>Changes Cyclins</b>
<b>CLN1</b>	= no change
<b>CLN2</b>	CLB5 positive change = positive change CLB5 negative change = negative change CLB5 no change = no change
<b>CLN3</b>	CLB4 positive change = negative change CLB4 negative change = positive change CLB4 no change = no change
<b>CLB1</b>	CLB2 positive change = positive change CLB2 negative change = negative change CLB2 no change = no change
<b>CLB2</b>	CLB1 positive change = positive change CLB1 negative change = negative change CLB1 no change = no change
<b>CLB4</b>	CLN3 positive change = negative change CLN3 negative change = positive change CLN3 no change = no change
<b>CLB5</b>	CLN2 positive change = positive change CLN2 negative change = negative change CLN2 no change = no change
<b>CLB6</b>	= no change