# ${\bf Wild\text{-}Type}$

Table 1: Attractors with 1 state(s)

Table 1. Housactors with 1 state(s)				
Attr. 1	Attr. 2			
0	0			
0	1			
0	0			
0	1			
0	0			
0	0			
0	1			
0	0			
0	0			
0	0			
32.81%	1.56%			
	Attr. 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			

Table 2: Attractors with 2 state(s)

	10010	110010000010 11101	<b>=</b> 50000(5)	
	Attr. 3		Attr. 4	
TP53	0	0	0	0
$\mathbf{ATR}$	1	0	0	0
$\mathbf{A}\mathbf{T}\mathbf{M}$	0	0	0	0
$\mathbf{BRCA1}$	0	1	0	0
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	0	0	0	0
$\mathbf{AKT1}$	0	0	1	1
P21	0	0	1	1
CDK2	0	0	0	1
Freq.	15.62%		50%	

#### TP53 KO

Table 3: Attractors with 1 state(s)

	Table 9. Intractors with 1 state(s)			
	Attr. 1	Attr. 2		
TP53	0	0		
$\mathbf{ATR}$	0	1		
$\mathbf{ATM}$	0	0		
BRCA1	0	1		
HER2	0	0		
MDM2	0	0		
CHEK1	0	1		
$\mathbf{AKT1}$	0	0		
P21	0	0		
CDK2	0	0		
Freq.	32.81%	1.56%		

Table 4: Attractors with 2 state(s)

Table 1. Holiacools with 2 state(s)					
	Attr. 3		Attr. 4		
TP53	0	0	0	0	
$\mathbf{ATR}$	1	0	0	0	
$\mathbf{ATM}$	0	0	0	0	
BRCA1	0	1	0	0	
HER2	0	0	1	1	
MDM2	0	0	0	0	
CHEK1	0	0	0	0	
AKT1	0	0	1	1	
P21	0	0	1	1	
CDK2	0	0	0	1	
Freq.	15.0	62%	50	0%	

### TP53 OE

Table 5: Attractors with 1 state(s)

	14010	o. Houracoord wie	ii i beacc(b)	
	Attr. 1	Attr. 2	Attr. 3	Attr. 4
TP53	1	1	1	1
$\mathbf{ATR}$	0	1	0	1
$\mathbf{ATM}$	1	1	1	1
$\mathbf{BRCA1}$	0	1	0	1
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	0	1	0	1
$\mathbf{AKT1}$	0	0	0	0
P21	0	0	0	0
CDK2	0	0	0	0
Freq.	32.81%	1.56%	32.81%	1.56%

Table 6: Attractors with 2 state(s)

Table 0. Ittifactors with 2 state(s)					
	Att	Attr. 5		Attr. 6	
TP53	1	1	1	1	
$\mathbf{ATR}$	1	0	1	0	
$\mathbf{A}\mathbf{T}\mathbf{M}$	1	1	1	1	
BRCA1	0	1	0	1	
HER2	0	0	1	1	
MDM2	0	0	0	0	
CHEK1	0	0	0	0	
$\mathbf{AKT1}$	0	0	0	0	
P21	0	0	0	0	
CDK2	0	0	0	0	
Freq.	15.62%		15.62%		

# ATR KO

Table 7: Attractors with 1 state(s)

	Attr. 1
TP53	0
$\mathbf{ATR}$	0
$\mathbf{ATM}$	0
BRCA1	0
HER2	0
MDM2	0
CHEK1	0
AKT1	0
P21	0
CDK2	0
Freq.	50%

Table 8: Attractors with 2 state(s)

		Attr. 2
TP53	0	0
ATR	0	0
$\mathbf{ATM}$	0	0
BRCA1	0	0
HER2	1	1
MDM2	0	0
CHEK1	0	0
AKT1	1	1
P21	1	1
CDK2	0	1
Freq.		50%

### ATR OE

Table 9: Attractors with 1 state(s)

	Attr. 1
TP53	0
$\mathbf{ATR}$	1
$\mathbf{ATM}$	0
BRCA1	1
HER2	0
MDM2	0
CHEK1	1
$\mathbf{AKT1}$	0
P21	0
CDK2	0
Freq.	50%

Table 10: Attractors with 2 state(s)

		Attr. 2
TP53	0	0
$\mathbf{ATR}$	1	1
$\mathbf{A}\mathbf{T}\mathbf{M}$	0	0
BRCA1	0	0
HER2	1	1
MDM2	0	0
CHEK1	0	0
AKT1	1	1
P21	1	1
CDK2	0	1
Freq.		50%

# ATM KO

Table 11: Attractors with 1 state(s)

	rabic ri. ricciaccorb	1011 1 50000(5)
	Attr. 1	Attr. 2
TP53	0	0
$\mathbf{ATR}$	0	1
$\mathbf{ATM}$	0	0
BRCA1	0	1
HER2	0	0
MDM2	0	0
CHEK1	0	1
$\mathbf{AKT1}$	0	0
P21	0	0
CDK2	0	0
Freq.	32.81%	1.56%

Table 12: Attractors with 2 state(s)

	Attr. 3		Attr. 4	
TP53	0	0	0	0
$\mathbf{ATR}$	1	0	0	0
$\mathbf{ATM}$	0	0	0	0
BRCA1	0	1	0	0
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	0	0	0	0
$\mathbf{AKT1}$	0	0	1	1
P21	0	0	1	1
CDK2	0	0	0	1
Freq.	15.62%		50%	

#### ATM OE

Table 13: Attractors with 1 state(s)

	Table 13. Attractors with 1 state(s)		
	Attr. 1	Attr. 2	
TP53	0	0	
$\mathbf{ATR}$	0	1	
$\mathbf{ATM}$	1	1	
BRCA1	0	1	
HER2	0	0	
MDM2	0	0	
CHEK1	0	1	
AKT1	0	0	
P21	0	0	
CDK2	0	0	
Freq.	32.81%	1.56%	

Table 14: Attractors with 2 state(s)

	Att	Attr. 3		Attr. 4	
TP53	0	0	0	0	
$\mathbf{ATR}$	1	0	0	0	
$\mathbf{ATM}$	1	1	1	1	
BRCA1	0	1	0	0	
HER2	0	0	1	1	
MDM2	0	0	0	0	
CHEK1	0	0	0	0	
$\mathbf{AKT1}$	0	0	1	1	
P21	0	0	1	1	
CDK2	0	0	0	1	
Freq.	15.0	62%	50	)%	

### BRCA1 KO

Table 15: Attractors with 1 state(s)

Table 19. Attractors with 1 state(s)		
	Attr. 1	
TP53	0	
$\mathbf{ATR}$	0	
$\mathbf{ATM}$	0	
BRCA1	0	
HER2	0	
MDM2	0	
CHEK1	0	
$\mathbf{AKT1}$	0	
P21	0	
CDK2	0	
Freq.	50%	

Table 16: Attractors with 2 state(s)

		( )	
	1	Attr. 2	
TP53	0	0	
$\mathbf{ATR}$	0	0	
$\mathbf{ATM}$	0	0	
BRCA1	0	0	
HER2	1	1	
MDM2	0	0	
CHEK1	0	0	
AKT1	1	1	
P21	1	1	
CDK2	0	1	
Freq.		50%	

### BRCA1 OE

Table 17: Attractors with 1 state(s)

Table 11. Attractors with 1 state(s)		
	Attr. 1	
TP53	0	
ATR	1	
$\mathbf{ATM}$	0	
BRCA1	1	
HER2	0	
MDM2	0	
CHEK1	1	
AKT1	0	
P21	0	
CDK2	0	
Freq.	50%	

Table 18: Attractors with 2 state(s)

		Attr. 2
TP53	0	0
$\mathbf{ATR}$	1	1
$\mathbf{ATM}$	0	0
BRCA1	1	1
HER2	1	1
MDM2	0	0
CHEK1	0	0
AKT1	1	1
P21	1	1
CDK2	0	1
Freq.		50%

### HER2 KO

Table 19: Attractors with 1 state(s)

	rable 10. Heriacolls with 1 beace(b)		
	Attr. 1	Attr. 2	
TP53	0	0	
ATR	0	1	
$\mathbf{ATM}$	0	0	
BRCA1	0	1	
HER2	0	0	
MDM2	0	0	
CHEK1	0	1	
AKT1	0	0	
P21	0	0	
CDK2	0	0	
Freq.	65.62%	3.12%	

Table 20: Attractors with 2 state(s)

	10010 20. 11001000010	1011 <b>2</b> 20000(2)
Attr. 3		
TP53	0	0
$\mathbf{ATR}$	1	0
$\mathbf{ATM}$	0	0
BRCA1	0	1
HER2	0	0
MDM2	0	0
CHEK1	0	0
AKT1	0	0
P21	0	0
CDK2	0	0
Freq.	31	.25%

# HER2 OE

Table 21: Attractors with 2 state(s)

rable 21. Horacous with 2 state(s)				
	Attr. 1			
TP53	0	0		
$\mathbf{ATR}$	0	0		
$\mathbf{ATM}$	0	0		
BRCA1	0	0		
HER2	1	1		
MDM2	0	0		
CHEK1	0	0		
$\mathbf{AKT1}$	1	1		
P21	1	1		
CDK2	0	1		
Freq.		100%		

### MDM2 KO

Table 22: Attractors with 1 state(s)

	Table 22. Heriaciois with I state(s)		
	Attr. 1	Attr. 2	
TP53	0	0	
ATR	0	1	
$\mathbf{ATM}$	0	0	
BRCA1	0	1	
HER2	0	0	
MDM2	0	0	
CHEK1	0	1	
AKT1	0	0	
P21	0	0	
CDK2	0	0	
Freq.	32.81%	1.56%	

Table 23: Attractors with 2 state(s)

Table 29. Horacoll With 2 State(b)				
	Attr. 3		Attr. 4	
TP53	0	0	0	0
$\mathbf{ATR}$	1	0	0	0
$\mathbf{ATM}$	0	0	0	0
$\mathbf{BRCA1}$	0	1	0	0
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	0	0	0	0
$\mathbf{AKT1}$	0	0	1	1
P21	0	0	1	1
CDK2	0	0	0	1
Freq.	15.0	62%	50	0%

### MDM2 OE

Table 24: Attractors with 1 state(s)

	10010 211 11001000010 111011 1 500000(5)		
	Attr. 1	Attr. 2	
TP53	0	0	
$\mathbf{ATR}$	0	1	
$\mathbf{ATM}$	0	0	
BRCA1	0	1	
HER2	0	0	
MDM2	1	1	
CHEK1	0	1	
$\mathbf{AKT1}$	0	0	
P21	0	0	
CDK2	0	0	
Freq.	32.81%	1.56%	

Table 25: Attractors with 2 state(s)

	10010 2	20. 11001000015 111	on 2 state(s)	
	Att	r. 3	Att	r. 4
TP53	0	0	0	0
$\mathbf{ATR}$	1	0	0	0
$\mathbf{ATM}$	0	0	0	0
BRCA1	0	1	0	0
HER2	0	0	1	1
MDM2	1	1	1	1
CHEK1	0	0	0	0
$\mathbf{AKT1}$	0	0	1	1
P21	0	0	1	1
CDK2	0	0	0	1
Freq.	15.6	62%	50	0%

### CHEK1 KO

Table 26: Attractors with 1 state(s)

	Attr. 1	Attr. 2
TP53	0	0
$\mathbf{ATR}$	0	1
$\mathbf{ATM}$	0	0
BRCA1	0	1
HER2	0	0
MDM2	0	0
CHEK1	0	0
AKT1	0	0
P21	0	0
CDK2	0	0
Freq.	32.81%	1.56%

Table 27: Attractors with 2 state(s)

	10010 2	21. 11001000015 1110	n = state(s)	
	Att	r. 3	Att	r. 4
TP53	0	0	0	0
$\mathbf{ATR}$	1	0	0	0
$\mathbf{ATM}$	0	0	0	0
$\mathbf{BRCA1}$	0	1	0	0
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	0	0	0	0
$\mathbf{AKT1}$	0	0	1	1
P21	0	0	1	1
CDK2	0	0	0	1
Freq.	15.0	62%	50	0%

### CHEK1 OE

Table 28: Attractors with 1 state(s)

	Table 20. Horacols with I state(s)				
	Attr. 1	Attr. 2			
TP53	0	0			
$\mathbf{ATR}$	0	1			
$\mathbf{ATM}$	0	0			
BRCA1	0	1			
HER2	0	0			
MDM2	0	0			
CHEK1	1	1			
AKT1	0	0			
P21	0	0			
CDK2	0	0			
Freq.	32.81%	1.56%			

Table 29: Attractors with 2 state(s)

	Att	r. 3	Att	tr. 4
TP53	0	0	0	0
$\mathbf{ATR}$	1	0	0	0
$\mathbf{A}\mathbf{T}\mathbf{M}$	0	0	0	0
BRCA1	0	1	0	0
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	1	1	1	1
$\mathbf{AKT1}$	0	0	1	1
P21	0	0	1	1
CDK2	0	0	0	1
Freq.	15.6	62%	50	0%

### AKT1 KO

Table 30: Attractors with 1 state(s)

	1able 90: 11001actor's with 1 50ate(5)				
	Attr. 1	Attr. 2			
TP53	0	0			
$\mathbf{ATR}$	0	1			
$\mathbf{ATM}$	0	0			
BRCA1	0	1			
HER2	0	0			
MDM2	0	0			
CHEK1	0	1			
AKT1	0	0			
P21	0	0			
CDK2	0	0			
Freq.	21.88%	3.12%			

Table 31: Attractors with 2 state(s)

Table 91. Heriactors with 2 state(s)						
	Att	r. 3	Att	r. 4	Att	r. 5
TP53	0	0	0	0	0	0
$\mathbf{ATR}$	1	0	0	0	1	0
$\mathbf{ATM}$	0	0	0	0	0	0
$\mathbf{BRCA1}$	0	1	0	0	0	1
HER2	0	0	1	1	1	1
MDM2	0	0	0	0	0	0
CHEK1	0	0	0	0	0	0
$\mathbf{AKT1}$	0	0	0	0	0	0
P21	0	0	1	1	1	1
CDK2	0	0	0	1	0	1
Freq.	25	5%	31.	25%	18.	75%

### AKT1 OE

Table 32: Attractors with 1 state(s)

Table 32. Attractors with 1 state(s)
Attr. 1
0
0
0
0
0
0
0
1
0
0
50%

Table 33: Attractors with 2 state(s)

		Attr. 2
TP53	0	0
$\mathbf{ATR}$	0	0
$\mathbf{ATM}$	0	0
BRCA1	0	0
HER2	1	1
MDM2	0	0
CHEK1	0	0
AKT1	1	1
P21	1	1
CDK2	0	1
Freq.		50%

### P21 KO

Table 34: Attractors with 1 state(s)

		J1. 11001000010 111		
	Attr. 1	Attr. 2	Attr. 3	Attr. 4
TP53	0	0	0	0
$\mathbf{ATR}$	0	1	0	1
$\mathbf{ATM}$	0	0	0	0
$\mathbf{BRCA1}$	0	1	0	1
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	0	1	0	1
$\mathbf{AKT1}$	0	0	0	0
P21	0	0	0	0
CDK2	0	0	0	0
Freq.	21.88%	3.12%	21.88%	3.12%

Table 35: Attractors with 2 state(s)

	Table (	o. Houractors with	2 State(5)	
	Attr. 5		Att	r. 6
TP53	0	0	0	0
$\mathbf{ATR}$	1	0	1	0
$\mathbf{ATM}$	0	0	0	0
BRCA1	0	1	0	1
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	0	0	0	0
AKT1	0	0	0	0
P21	0	0	0	0
CDK2	0	0	0	0
Freq.	25	5%	25	5%

# P21 OE

Table 36: Attractors with 2 state(s)

	Table 6	0. 11001ac0015 W1	011 2 30000(3)	
	Att	r. 1	Att	r. 2
TP53	0	0	0	0
$\mathbf{ATR}$	0	0	0	0
$\mathbf{A}\mathbf{T}\mathbf{M}$	0	0	0	0
BRCA1	0	0	0	0
HER2	0	0	1	1
MDM2	0	0	0	0
CHEK1	0	0	0	0
$\mathbf{AKT1}$	1	1	1	1
P21	1	1	1	1
CDK2	0	1	0	1
Freq.	50	0%	50	0%

#### CDK2 KO

Table 37: Attractors with 1 state(s)

rable 91. Trotactors with 1 state(s)				
	Attr. 1	Attr. 2	Attr. 3	
TP53	0	0	0	
$\mathbf{ATR}$	0	1	0	
$\mathbf{ATM}$	0	0	0	
BRCA1	0	1	0	
HER2	0	0	1	
MDM2	0	0	0	
CHEK1	0	1	0	
$\mathbf{AKT1}$	0	0	1	
P21	0	0	1	
CDK2	0	0	0	
Freq.	28.12%	3.12%	50%	

Table 38: Attractors with 2 state(s)

rable 90. Heriacols with 2 state(s)				
	Attr. 4			
TP53	0	0		
$\mathbf{ATR}$	1	0		
$\mathbf{ATM}$	0	0		
BRCA1	0	1		
HER2	0	0		
MDM2	0	0		
CHEK1	0	0		
$\mathbf{AKT1}$	0	0		
P21	0	0		
CDK2	0	0		
Freq.	18	8.75%		

# CDK2 OE

Table 39: Attractors with 1 state(s)

1451c 95. 110114ct015 With 1 5040c(5)			
	Attr. 1	Attr. 2	
TP53	0	0	
$\mathbf{ATR}$	0	0	
$\mathbf{ATM}$	0	0	
BRCA1	0	0	
HER2	0	1	
MDM2	0	0	
CHEK1	0	0	
AKT1	0	1	
P21	0	1	
CDK2	1	1	
Freq.	50%	50%	