wt, no DNAdam -			_	CDC*,u __				0.1)						0.0						DC*,u_ 0.05					1.0
krasΔ, no DNAdam, 0/0 -	1.0	1.0	1.0	0.06	0.0	0.0	0.0	0.06	1.0	1.0	1.0	0.05	0.0	0.0	0.0	0.05	1.0	1.0	1.0	0.06	0.0	0.0	0.0	0.06	- 0.8
krasΔ, DNAdam, 0/0 -	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	- 1.0			0.0					- 0.6
krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i -			1.0	0.0	0.0		0.0		1.0	1.0	1.0	0.0		0.0			- 1.0 - 1.0		1.0	0.0	0.0		0.0		- 0.4
krasΔ, DNAdam, chek1i/mk2i -									- 1.0	1.0	1.0			0.01			- 1.0	1.0		0.0		0.01	0.01	0.0	- 0.2
B	RAF	VEK	638 C	DKI ATM	ATR OSB	55B CA	SP3	tion	BRAF	MEK	638 C	DKJ DKJ	ATR DSB	SSB CA	SP3	cion F	BRAF	NEX.	638 C	OKJ W I	TR OSB	55B CA	5P3 rolifera	tion	0.0
[d_DSB_SSB,u_CDC*,u_CDK1]=(0.1, 1, 0.1)															1.0										
wt, no DNAdam -	0.81	0.81	0.81	0.19	0.0	0.0	0.0	0.19	- 0.8	0.8	0.8	0.2	0.0	0.0	0.0	0.2								0.19	- 0.8
kras∆, no DNAdam, 0/0 -				0.2	0.0				1.0	1.0	1.0	0.2		0.0			1.0					0.0			- 0.6
krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 -		1.0				0.01		0.01	1.0	1.0				0.02			- 1.0 - 1.0			0.01					
krasΔ, DNAdam, 0/mk2i -		1.0						0.01	1.0	1.0				0.02			- 1.0	1.0	1.0	0.01	0.03	0.03	0.03	0.01	- 0.4
krasΔ, DNAdam, chek1i/mk2i -					0.01				1.0	1.0				0.04			1.0	<u> </u>		0.01					- 0.2
BRAF MEK D38 CDK1 ATM ATR SSB CASP3 CASP3 CDK1 MEK D38 CDK1 ATM ATR DSB SSB CASP3 Proliferation BRAF MEK D38 CDK1 ATM DSB SSB CASP3 Proliferation DSB SSB CASP3 Proliferat															0.0										
	[d_[DSB_SS	SB,u_C	CDC*,u_	CDK1]	=(0.1,	, 10.0,	0.1)	[d _.	_DSB_S	SSB,u_0	CDC*,u	_CDK1	1]=(0.1	., 10.0	1)	[d_D	SB_SSI	B,u_CD)C*,u_(CDK1]	=(0.1	, 10.0,	, 10.0)	1.0
wt, no DNAdam - kras∆, no DNAdam, 0/0 -		1.0	0.8	0.24			0.0		- 0.8	1.0		0.26		0.0			0.8	0.8						0.25	- 0.8
krasΔ, No DNAdam, 0/0								0.01		1.0						0.02	- 1.0 - 1.0			0.24					- 0.6
kras∆, DNAdam, chek1i/0 -	1.0	1.0	1.0	0.02	0.01	0.01	0.02	0.02	1.0	1.0	1.0	0.02	0.06	0.06	0.06	0.02	1.0	1.0	1.0	0.02	0.08	0.08	0.08	0.02	- 0.4
kras∆, DNAdam, 0/mk2i -	1.0	1.0	1.0	0.01	0.01	0.01	0.01	0.01	1.0	1.0	1.0	0.02	0.05	0.05	0.05	0.02	- 1.0			0.01					- 0.2
kras∆, DNAdam, chek1i/mk2i -		<u> </u>	<u> </u>			<u> </u>	<u> </u>		1.0	1.0	<u> </u>	<u> </u>	<u> </u>	0.07			1.0	<u> </u>		0.02					0.0
Id DSB SSB II CDC* II CDK11-(1, 0,1, 0,1) Id DSB SSB II CDC* II CDK11-(1, 0,1, 0,1) Id DSB SSB II CDC* II CDK11-(1, 0,1, 1,1)																									
wt, no DNAdam -																				CDC*,u				0.04	1.0
krasΔ, no DNAdam, 0/0								0.05	- 1.0	1.0		0.06		0.0			- 1.0			0.04					- 0.8
kras∆, DNAdam, 0/0 -	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.01	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.01	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.01	- 0.6
kras∆, DNAdam, chek1i/0 -	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.01	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.01	-			0.01					- 0.4
krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -				0.01		0.0		0.01	1.0	1.0				0.0			1.0			0.01					- 0.2
									BRAF								BRAF	VEK .	638 C	OKI N	TR OSB	55B CA	SP3	tion	0.0
							•								•					•		8	,,,,,,		
wt, no DNAdam -		0.8	0.8	0.2			0.0		- 0.82					0.0						0.18				0.0)	1.0
kras∆, no DNAdam, 0/0 -	1.0	1.0	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.0	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.0	1.0	0.19	0.0	0.0	0.0	0.19	- 0.8
kras∆, DNAdam, 0/0 -								0.05	1.0					0.01			1.0			0.05					- 0.6
krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i -								0.06	- 1.0 - 1.0	1.0				0.02			1.0			0.06					- 0.4
krasΔ, DNAdam, chek1i/mk2i -		1.0	1.0	0.06	0.0	0.0	0.0	0.06	- 1.0	1.0	1.0	0.06	0.01	0.01	0.02	0.07	1.0	1.0	1.0	0.06	0.02	0.02	0.02	0.06	- 0.2
B.	RAF	VEK V	638 C	DKI ATM	ATR DSB	55B CA	SP3 Scolifera	tion	BRAF	MEX	638 C	DKJ DKJ	ATR DSB	SSB CA	SP3 colifera	tion F	BRAF	NEX.	638 C	OKI M	DSB.	55B CA	SP3 rolifera	tion	0.0
				CDC*,u			•							(1]=(1,	•		[d D	SB SS	SB,u C	DC*,u_	CDK1	.]=(1,	10.0,	10.0)	1.0
wt, no DNAdam -								0.26	-	0.81				0.0			- 0.8	0.8						0.26	- 0.8
krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 -							0.0	0.25	- 1.0 - 1.0	1.0		0.24		0.02			1.0			0.24				0.24	- 0.6
krasΔ, DNAdam, chek1i/0									1.0	1.0				0.02			- 1.0	1.0		0.08					- 0.4
krasΔ, DNAdam, 0/mk2i -	1.0	1.0	1.0	0.07	0.01	0.01	0.01	0.07	1.0	1.0	1.0	0.07	0.02	0.02	0.02	0.08	1.0	1.0	1.0	0.06	0.03	0.03	0.04	0.08	- 0.2
krasΔ, DNAdam, chek1i/mk2i -			<u> </u>				<u> </u>		1.0	1.0				0.03			1.0	1.0	1.0			0.04			0.0
B.	RAF	WEL .	6 ₂₀ C	DKI ATM	DSB	220 CA	prolifera	tior,	BRAF	MER	620 (DKTM	DSB	SSB CAS	skolifera	^c io., E	Di N	··	٠ <i>د</i> ر	OKI MTM !	DSB.	- CA' P	rolifera	, -	
wt, no DNAdam -				DC*,u_ 0.05				0.1)	[d __	_DSB_9				1]=(10. 0.0										, 10.0)	1.0
wt, no DNAdam - krasΔ, no DNAdam, 0/0 -				0.05		0.0		0.05	- 1.0	1.0		0.06		0.0			- 1.0			0.05				0.05	- 0.8
krasΔ, DNAdam, 0/0 -	1.0	1.0	1.0	0.02	0.0	0.0	0.0	0.02	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.02	1.0			0.01					- 0.6
kras∆, DNAdam, chek1i/0 -	1.0	1.0	1.0	0.02	0.0	0.0	0.0	0.02	1.0	1.0	1.0	0.02	0.0	0.0	0.0	0.02	1.0			0.02				0.02	- 0.4
krasΔ, DNAdam, 0/mk2i -								0.02	-					0.0			- 1.0 - 1.0			0.02					- 0.2
kras∆, DNAdam, chek1i/mk2i - ඉ්						0.0 55B CA		0.02	BRAF	1.0		0.02		0.0 SSB CA			<u> </u>			OKI N I					0.0
							•								•					î T	~	8	ʹʹʹʹ		
wt, no DNAdam -		_DSB_S 0.8	0.8	CDC*,u 0.19				0.19						(1]=(10 0.0			[d_D - 0.8		6B,u_C 0.8	DC*,u_ 0.2		0.0			1.0
kras∆, no DNAdam, 0/0 -	1.0	1.0	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.0	1.0	0.19	0.0	0.0	0.0	0.19	1.0	1.0	1.0	0.19	0.0	0.0	0.0	0.19	- 0.8
kras∆, DNAdam, 0/0								0.07	-					0.01			1.0			0.07					- 0.6
krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i -					0.0	0.0		0.07	1.0	1.0				0.01			- 1.0 - 1.0			0.09				0.1	- 0.4
krasΔ, DNAdam, chek1i/mk2i -					0.0				- 1.0	1.0	1.0			0.01		0.1	1.0	1.0	<u> </u>	0.09					- 0.2
₽ ^r	RAF	NEX ,	638 C	DKI ATM	ATR DSB	5SB CA	SP3 prolifera	tion	BRAF	MEX	p38 cs	DKI ATM	ATR DSB	SSB CAS	SP3 Prolifera	tion F	BRAF	NEX.	638 C	OKI N	TR OSB	55B CA	SP3 rolifera	tion	0.0
	[d_C			DC*,u_(·	γ,		[d_]=(10.0			[d DS	B SSR	,u CD			·), 10.0)	1.0
wt, no DNAdam -		0.8	0.8	0.25				0.25	-					0.0			- 0.8							0.26	- 0.8
krasΔ, no DNAdam, 0/0 -							0.0		1.0	1.0		0.25		0.0			1.0			0.27					0.6
krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 -				0.09				0.09	- 1.0	1.0				0.02			- 1.0			0.1	0.00	0,00	0,00	0.11	- 0.4
kras∆, DNAdam, 0/mk2i -				0.09				0.09	- 1.0	1.0	1.0			0.02			1.0	1.0	1.0	0.1	0.03	0.03	0.03	0.11	
kras∆, DNAdam, chek1i/mk2i -	<u> </u>	' 1	·	0.11	0.0	' '	, ,		1.0	1.0	<u> </u>	<u> </u>	<u> </u>	0.02	<u> </u>		1.0	1.0		0.13		<u> </u>	<u> </u>		- 0.2
	RAF	NEK	638 C	DKI ATM	ATR DSB	55B CA	SP3 Prolifera	tion	BRAF	NEX	938 C	DKJ.	ATR DSB	SSB CA	SP3 Prolifera	tion k	BRAF	NEX.	638 C	OKJ W I	DSB	550 CA	ispo rolifera	tior,	0.0
В																									