wt, no DNAdam		DSB_S 0.8	SB,u_0 0.8	0.06				0.06						0.0			[d_D - 0.8	SB_SS 0.8	_	OC*,u_ 0.05					1.0
krasΔ, no DNAdam, 0/0	1.0	1.0	1.0	0.05	0.0	0.0	0.0	0.05	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
kras∆, 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	1.0	1.0	0.0	0.01	0.01	0.01	0.0	- 0.6
krasΔ, DNAdam, chek1i/0			1.0	0.0	0.0		0.0		1.0	1.0	1.0			0.01			1.0	1.0	1.0		0.01	0.01	0.01		- 0.4
krasΔ, DNAdam, 0/mk2i krasΔ, DNAdam, chek1i/mk2i	-								- 1.0	1.0	1.0			0.0			- 1.0	1.0	1.0				0.01	0.0	- 0.2
8	RAF	NEK	638 C	OKI DKI	ATR DSB	55B CA	SP3	tion	BRAF	MEK.	p38 C	DKI ATM	ATR OSB	SSB CAS	5P3	tion P	3RAF N	IEK ,	p ³⁸ C	DKI N	TR DSB	SSB CAS	5P3 Coliferat	tion	0.0
	[d			_CDC*,ι			\		[d_DSB _.				K1]=(0			[ქ [OSR S		CDC*,u					1.0
wt, no DNAdam	0.81	0.81	0.81	0.19	0.0	0.0	0.0	0.19	0.79	0.79	0.79	0.22	0.0	0.0	0.0	0.22	0.81								- 0.8
krasΔ, no DNAdam, 0/0								0.19	- 1.0 - 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					- 0.4
kras∆, DNAdam, 0/mk2i	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.01	- 1.0	1.0	1.0	0.01	0.02	0.02	0.02	0.01	1.0	1.0	1.0	0.01	0.03	0.03	0.03	0.01	- 0.2
krasΔ, DNAdam, chek1i/mk2i				0.01	0.01				1.0	1.0				0.03			1.0	·		0.02					0.2
8	RAF	VEK "	^{გვგ}	OKI DKI	DSB.	55B CA	SP3 Prolifera	tion	BRAF 1	MEK.	638 C	DKI ATM	ATR OSB	SSB CAS	5P3 Proliferat	ion P	BRAF N	IEK ,	138 C	KI ATM F	DSB	6.	oliferat	go,	0.0
with in a DNIA days				DC*,u_										L]=(0.1										10.0)	1.0
wt, no DNAdam kras∆, no DNAdam, 0/0				0.24			0.0		- 0.81	1.0		0.24		0.0						0.24					- 0.8
krasΔ, DNAdam, 0/0	1.0	1.0	1.0	0.01	0.01	0.01	0.01	0.01	1.0	1.0	1.0	0.02	0.04	0.04	0.05	0.02	-			0.02					- 0.6
kras∆, DNAdam, chek1i/0	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	1.0	1.0	0.02	0.08	0.08	0.09	0.02	- 0.4
krasΔ, DNAdam, 0/mk2i				0.01					1.0	1.0				0.05			1.0			0.02					- 0.2
kras∆, DNAdam, chek1i/mk2i €			<u> </u>			<u> </u>		0.02	BRAF N	1.0			<u> </u>	0.07	<u> </u>			·		DKJ W E					0.0
							Υ.							·	•					r'	V-	6,	(0,,,		
wt, no DNAdam				_CDC*,u					- 0.8	0.8				K1]=(1 0.0			[d_[- 0.8	0.8 0.8		0.05				0.05	1.0
krasΔ, no DNAdam, 0/0	1.0	1.0	1.0	0.05	0.0	0.0	0.0	0.05	1.0	1.0	1.0	0.05	0.0	0.0	0.0	0.05	1.0	1.0	1.0	0.05	0.0	0.0	0.0	0.05	- 0.8
krasΔ, DNAdam, 0/0 krasΔ, DNAdam, chek1i/0				0.01				0.01	1.0	1.0				0.0		0.01	1.0			0.01					- 0.6
krasΔ, DNAdam, 0/mk2i								0.01						0.0			- 1.0			0.01				0.02	- 0.4
kras∆, DNAdam, chek1i/mk2i	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		1.0	·		0.01					- 0.2
B	RAF	VEK	638 C	OKI N	DSB.	55B CA	SP3 Prolifera	tion	BRAF	MEK	638 C	DKI ATM	ATR DSB	SSB CAS	5P3 Proliferat	tion P	BRAF	IEK ,	p38 C	KIN P	OSB S	SSB CAS	sp3 roliferat	noij	0.0
	[(d_DSB __	_SSB,u	ı_CDC*,	,u_CDk	<1]=(1	., 1, 0.:	1)		[d_DSE	3_SSB,ı	u_CDC	*,u_CD	DK1]=(:	1, 1, 1)		[d_	DSB_9	SSB,u_	CDC*,ı	u_CDk	(1]=(1	, 1, 10).0)	1.0
wt, no DNAdam krasΔ, no DNAdam, 0/0			1.0	0.2	0.0		0.0		- 0.79 - 1.0		1.0	0.21		0.0			0.8	0.8		0.21					- 0.8
krasΔ, DNAdam, 0/0	-							0.05	- 1.0					0.01			1.0			0.2		0.02			- 0.6
kras∆, DNAdam, chek1i/0	1.0	1.0	1.0	0.05	0.0	0.0	0.0	0.06	1.0	1.0	1.0	0.06	0.01	0.01	0.02	0.06	1.0	1.0	1.0	0.06	0.01	0.01	0.02	0.06	- 0.4
kras∆, DNAdam, 0/mk2i	1.0	1.0	1.0	0.05	0.0	0.0	0.0	0.05	1.0	1.0	1.0	0.05	0.01	0.01	0.01	0.06	1.0							0.06	- 0.2
krasΔ, DNAdam, chek1i/mk2i		1.0	1.0	0.06			0.0 583	0.06	1.0	1.0						0.07		<u> </u>	<u> </u>	0.07 DKI ATM P		<u> </u>			0.0
							•							·	•					κ.	V	6.	(0)11,		
wt, no DNAdam		0.8	0.8	CDC*,u 0.25	0.0			0.25						0.0			[d_D - 0.8	SB_SS 0.8		DC*,u_ 0.25					1.0
krasΔ, no DNAdam, 0/0	1.0	1.0	1.0	0.25	0.0	0.0	0.0	0.25	1.0	1.0	1.0	0.26	0.0	0.0	0.0	0.26	1.0	1.0	1.0	0.24	0.0	0.0	0.0	0.24	- 0.8
krasΔ, DNAdam, 0/0			1.0	0.06				0.06	1.0	1.0				0.02			1.0	1.0		0.07		0.04			- 0.6
krasΔ, DNAdam, chek1i/0 krasΔ, DNAdam, 0/mk2i				0.06			0.01		- 1.0	1.0				0.02			- 1.0	1.0				0.03			- 0.4
kras∆, DNAdam, chek1i/mk2i	1.0	1.0	1.0	0.09	0.0	0.0	0.0	0.09	- 1.0	1.0	1.0	0.1	0.03	0.03	0.04		1.0	1.0		0.09					- 0.2
B	RAF	VEK	638 C	DKI DKI	ATR DSB	55B CA	SP3 Prolifera	tion	BRAF	MEK	638 C	OKI ATM	ATR DSB	SSB CAS	5P3 Proliferat	ion P	BRAF	IEK ,	638 C	XIN D	OSB S	SSB CAS	sp3 roliferat	noij	0.0
	[d_[DSB_SS		CDC*,u_										L]=(10.			[d_DS	SB_SSE	3,u_CD)C*,u_(CDK1]	=(10.0), 0.1,	10.0)	1.0
wt, no DNAdam krasΔ, no DNAdam, 0/0		1.0		0.05		0.0		0.05	- 0.8	1.0		0.05		0.0			0.81								- 0.8
krasΔ, DNAdam, 0/0								0.02	-							0.02	- 1.0			0.06					- 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	1.0	1.0	0.02	0.0	0.0	0.0	0.02	- 0.4
kras∆, DNAdam, 0/mk2i								0.02	-					0.0			1.0			0.02					- 0.2
kras∆, DNAdam, chek1i/mk2i						0.0 55B CA		0.02	1.0	1.0		0.03		0.0 SSB CAS						DKI P					0.0
							•							·	•					r	V	6,	(0,,,		
wt, no DNAdam				CDC*,u 0.19				0.19	- 0.8	0.8	SSB,u_ 0.8	.CDC*,		0.0			[d_D - 0.8	SB_SS 0.8	B,u_C 0.8	DC*,u_ 0.2]=(10 0.0			1.0
krasΔ, no DNAdam, 0/0	-							0.19	1.0	1.0	1.0			0.0			1.0	1.0	1.0	0.2	0.0	0.0	0.0	0.2	- 0.8
krasΔ, DNAdam, 0/0 krasΔ, DNAdam, chek1i/0				0.08					1.0	1.0				0.01			1.0			0.07					- 0.6
krasΔ, DNAdam, cnek1i/0 s krasΔ, DNAdam, 0/mk2i s	-						0.0		- 1.0	1.0				0.01			- 1.0			0.06					- 0.4
kras∆, DNAdam, chek1i/mk2i	1.0		<u> </u>	0.08					1.0	1.0				0.01			1.0	<u> </u>	<u> </u>	0.09					- 0.2
8	RAF	NEK	p38 C	DKI ATM !	ATR OSB	55B (A	SP3 Prolifera	tion	BRAF	MEX	p38 C	DKI DKI	ATR DSB	SSB CAS	5P3 Proliferation	ion P	BRAF N	NEK.	138 C	XIM P	DSB.	550 CAC	sp ³ roliferat	_{(i0''}	0.0
	[d_D	SB_SS		DC*,u_(]=(10.0					,u_CD	C*,u_C	DK1]=	=(10.0	, 10.0	, 10.0)	1.0
	0.01	0.01	0.01	\cap \circ \circ		U.U	0.0	0.24	- 0.8	0.8	0.8	0.25	0.0	0.0			- 0.8	0.8	0.8	0.26	0.0	0.0	0.0	0.26	- 0.8
wt, no DNAdam krasΔ, no DNAdam, 0/0						0.0	0.0	0.26	1.0	1.0	1.0	0.25	0.0	0.0	0.0	0.25	- 1.0	1.0	1.0	0.25	0.0	0.0	0.0	0.25	
	1.0	1.0	1.0	0.26	0.0			0.26						0.02			1.0			0.25					- 0.6
kras∆, no DNAdam, 0/0	1.0	1.0	1.0	0.26	0.0	0.0	0.0				1.0	0.09	0.02		0.02	0.1	- 1.0 - 1.0 - 1.0	1.0	1.0	0.09	0.03		0.03	0.11	- 0.6 - 0.4
krasΔ, no DNAdam, 0/0 krasΔ, DNAdam, 0/0 krasΔ, DNAdam, chek1i/0 krasΔ, DNAdam, 0/mk2i	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	0.26 0.08 0.1 0.09	0.0	0.0	0.0	0.09	1.0 - 1.0 - 1.0	1.0	1.0	0.09 0.12 0.11	0.02	0.02	0.02	0.1 0.13 0.12	1.0 - 1.0 - 1.0	1.0	1.0 1.0 1.0	0.09 0.11 0.09	0.03 0.03 0.03	0.03 0.03 0.03	0.03 0.03 0.03	0.11 0.12 0.1	
krasΔ, no DNAdam, 0/0 krasΔ, DNAdam, 0/0 krasΔ, DNAdam, chek1i/0 krasΔ, DNAdam, 0/mk2i krasΔ, DNAdam, chek1i/mk2i	1.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0	0.26 0.08 0.1	0.0 0.0 0.0 0.0	0.0	0.0	0.09 0.11 0.09	1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0	1.0 1.0 1.0	0.09 0.12 0.11 0.12	0.02 0.02 0.02	0.02	0.02 0.02 0.02	0.13 0.12 0.12	1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0	1.0 1.0 1.0	0.09	0.03 0.03 0.03 0.03	0.03 0.03 0.03 0.03	0.03 0.03 0.03 0.03	0.11 0.12 0.1 0.13	- 0.4