wt, no DNAdam -		_		O.05				0.1)	0.8	0.8				0.0						DC*,u_ 0.05					
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
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 -	1.0		1.0	0.0	0.0		0.0		- 1.0	1.0	1.0	0.0		0.0			1.0		1.0			0.0	0.0		- 0.4
kras∆, DNAdam, 0/mk2i - kras∆, DNAdam, chek1i/mk2i -	1.0	1.0							- 1.0	1.0	1.0			0.01			- 1.0	1.0		0.0					- 0.2
BR	AF N	NEK	638 C	DK1 DK1	ATR OSB	5SB CA	SP3	ition	BRAF	NEX	638 C	DKJ DKJ	ATR OSB	SSB CAS	5P3	cion P	3RAF	NEX,	638 C	OKI N A	TR OSB	55B CAG	SP3	tion	0.0
				CDC*,ı			ζ.							<1]=(0											1.0
wt, no DNAdam -				0.2	_				0.81								0.8	0.8	_	0.21					
kras∆, no DNAdam, 0/0 -	1.0	1.0	1.0	0.21	0.0	0.0	0.0	0.21	- 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
krasΔ, DNAdam, 0/0 - - krasΔ, DNAdam, chek1i/0 -	1.0	1.0						0.01	1.0	1.0				0.02			1.0			0.01					- 0.6
krasΔ, DNAdam, chek1i/0 krasΔ, DNAdam, 0/mk2i -				0.01					- 1.0	1.0				0.02			- 1.0			0.01					- 0.4
krasΔ, DNAdam, chek1i/mk2i -	1.0	1.0	1.0	0.02	0.01	0.01	0.01	0.02	- 1.0	1.0	1.0	0.02	0.03	0.03	0.03		1.0	<u> </u>		0.01					- 0.2
BR	AF N	NEK	638 C	DKI DKI	ATR DSB	55B CA	SP3 Prolifera	ition	BRAF	NEX	638 C	DKI ATM	ATR DSB	SSB CA	5P3 Proliferat	cion P	3RAF 1	NEX.	638 C	OKI W P	TR DSB	55B CAG	SP3 rolifera	tion	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	L]=(0.1	., 10.0,	1)	[d_DS	SB_SSI	B,u_CD)C*,u_(CDK1]	=(0.1	, 10.0,	10.0)	1.0
wt, no DNAdam -									- 0.82					0.0			- 0.8	0.8		0.25					- 0.8
krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 -	1.0			0.25			0.0	0.25		1.0		0.24				0.02	1.0			0.25					- 0.6
krasΔ, DNAdam, chek1i/0 -	1.0	1.0	1.0	0.02	0.01	0.01	0.01	0.02	1.0	1.0	1.0	0.02	0.06	0.06	0.06	0.02	1.0			0.01					- 0.4
krasΔ, 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	0.04	0.04	0.04	0.02	1.0			0.01					- 0.2
krasΔ, DNAdam, chek1i/mk2i -	1.0	1.0	<u> </u>			<u> </u>			1.0	1.0			<u> </u>	0.06			1.0 3RAF	<u> </u>		0.02					0.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$																									
wt, no DNAdam -																				CDC*,u					1.0
krasΔ, no DNAdam, 0/0 -	1.0							0.06	-			0.05		0.0			- 1.0			0.04				0.04	- 0.8
krasΔ, 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	0.02	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.01	- 0.6
krasΔ, DNAdam, chek1i/0 -	1.0	1.0	1.0	0.02	0.0	0.0	0.0	0.02	- 1.0	1.0						0.01	-			0.02					- 0.4
krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0			0.01				0.01	1.0	1.0				0.0			1.0			0.01			0.0		- 0.2
									BRAF								3RAF	NEK .	638 CL	OKI A	TR OSB	5SB CA	SP3	tion	0.0
							•								•					·	•	8	,,,,,		
wt, no DNAdam -		0.8	0.8	0.2		0.0			- 0.8	0.8	0.8	0.2		0.0			[d_ - 0.8		0.8	.CDC*,ı		<1]=(1 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	0.21	0.0	0.0	0.0	0.21	1.0	1.0	1.0	0.19	0.0	0.0	0.0	0.19	- 0.8
kras∆, DNAdam, 0/0 -								0.04	1.0					0.01			1.0			0.05					- 0.6
krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i -	1.0		1.0	0.06	0.0	0.0		0.06	- 1.0	1.0				0.01	0.02	0.06	1.0	1.0	1.0	0.05	0.02	0.02	0.02		- 0.4
אומאט, טואAuam, U/MK2I -	1.0	1.0	1.0	0.05	0.0	0.0	0.0	0.05	1.0	1.0	1.0	0.04	0.01	0.01	0.01	0.05	1.0	1.0	1.0	0.05	0.02	0.02	0.02	0.00	
krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -		1.0	1.0	0.05			0.0		1.0	1.0				0.01		0.07	1.0	1.0	1.0	0.06	0.02	0.02	0.02	0.07	- 0.2
krasΔ, DNAdam, chek1i/mk2i -	1.0	1.0	1.0	0.06	0.0	0.0	0.0	0.06	1.0	1.0	1.0	0.07	0.01	0.01	0.02	0.07	1.0	1.0	1.0		0.02	0.02	0.02	0.07	0.2
krasΔ, DNAdam, chek1i/mk2i -	1.0	1.0	1.0	0.06	0.0 ATR OSB	0.0 55B CA	0.0 SP3 Prolifera	0.06	1.0	1.0	1.0	0.07 DKI ATM	0.01 ATR 05B	0.01	0.02 Sp3 Proliferat	0.07	1.0	1.0	1.0	0.06	0.02 TR 05B	0.02 55B CAG	0.02 SP3 Tolifera	0.07	
kras∆, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8	1.0 NEK DSB_S 0.8	1.0 දිරි SSB,u_0 0.8	0.06 DK ¹ ATM CDC*,u 0.25	0.0 ATR OSB COS OS O	0.0 55 ⁸ CP .]=(1,	0.0 5P ³ Proliferation 10.0, 0	0.06 0.1) 0.25	1.0 BRAF (1.0 MEX DSB_ 0.8	1.0 \$\sqrt{3}\text{8} \cdot \sqrt{5}\$ SSB,u_ 0.8	0.07 DX ¹ ATM _CDC*, 0.25	0.01 ATR OSB U_CDK 0.0	0.01 55 ⁸ CA (1]=(1, 0.0	0.02 5P ³ 70liferat 10.0,	0.07	1.0 3RAF N	1.0 NEX 0SB_SS 0.8	1.0 938 C 6B,u_C 0.8	0.06 DK ² ATM A DC*,u_	0.02 TR 6 DSB 7 CDK1 0.0	0.02 55B CAS P 1=(1,	0.02 5R3 Toliferat 10.0,	0.07 Ition 10.0)	
kras∆, DNAdam, chek1i/mk2i -	1.0 , ^{AF} , ⁰	1.0 DSB_S 0.8 1.0	1.0 938 C SSB,u_0 0.8 1.0	0.06 DK ¹ ATM CDC*,u	0.0 ATR OSB CONTROL OSB CONTR	0.0 558 CA .]=(1, 0.0 0.0	0.0 SP3 Prolifera 10.0, 0 0.0 0.0	0.06 0.1) 0.25	1.0 BRAF (1.0	1.0 938 SSB,u_ 0.8 1.0	0.07 DK ¹ ATM CDC*, 0.25 0.24	0.01 ATR OSB u_CDK 0.0	0.01 558 CA (1]=(1,	0.02 5.73 5.70liferat 10.0, 0.0	0.07 (ion 8 1) 0.25 0.24	1.0 BRAF N	1.0 NEX 0SB_SS 0.8	1.0 38 C 6B,u_C 0.8 1.0	0.06 DX ¹ N P ATM P 0.25 0.25	0.02 TR 6 DSB 7 CDK1 0.0 0.0	0.02 55B CAS P 1=(1,	0.02 5.73 5.70liferat 10.0, 0.0	0.07 kion 10.0) 0.25 0.25	1.0
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 -	1.0 [d_ 0.8 1.0	1.0 DSB_S 0.8 1.0	1.0 938 C SSB,u_0 0.8 1.0	0.06 DX1 ATM CDC*,u 0.25 0.26 0.06	0.0 ATR OSB CONTROL OSB CONTR	0.0 558 CA .]=(1, 0.0 0.0 0.0	0.0 SP3 rolifera Prolifera 0.0 0.0 0.0	0.06 (ition) 0.1) 0.25 0.26 0.06	- 1.0 BRAF [0 - 0.8 - 1.0	1.0 DSB_ 0.8 1.0	1.0 938 CS SSB,u_ 0.8 1.0 1.0	0.07 0.07 0.07 0.07 0.07 0.02 0.25 0.24 0.06	0.01 ATR 058 0.058 0.00 0.00 0.03	0.01 558 CAS (1]=(1, 0.0 0.0	0.02 5.6.73 10.0, 10.0, 0.0 0.03	0.07 cion 8 1) 0.25 0.24 0.07	[d_D - 0.8	1.0 0.5B_SS 0.8 1.0	1.0 38 C 6B,u_C 0.8 1.0	0.06 DX ¹	0.02 XTR 6 OSB 7 CDK1 0.0 0.0 0.03	0.02 0.02 5SB CA P 1=(1, 0.0 0.0 0.03	0.02 5.73 5.70liferal 10.0, 0.0 0.0 0.04	0.07 kion 10.0) 0.25 0.25	1.0
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 -	1.0 [d_ 0.8 1.0	1.0 DSB_S 0.8 1.0 1.0	1.0 0.8 1.0 1.0 1.0	0.06 DX1 ATM CDC*,u 0.25 0.26 0.06	0.0 ATR OSB CDK1 0.0 0.0 0.0 0.0	0.0 55B CA .]=(1, 0.0 0.0 0.0	0.0 SP3 rolifera Prolifera 0.0 0.0 0.0 0.01	0.06 (ition) 0.1) 0.25 0.26 0.06	- 1.0 BRAF [0 - 0.8 - 1.0	1.0 1.0 2.DSB_ 0.8 1.0	1.0 SSB,u_ 0.8 1.0 1.0	0.07 OX ¹ OX ¹ OX ¹ O.25 0.24 0.06 0.08	0.01 ATR OSB U_CDK 0.0 0.0 0.03 0.02	0.01 558 CAS (1]=(1, 0.0 0.0 0.03	0.02 5.873 10.0, 10.0, 0.0 0.03 0.03	0.07 (ion) 8 1) 0.25 0.24 0.07	[d_D - 0.8	1.0 0.5B_SS 0.8 1.0 1.0	1.0 38 C 6B,u_C 0.8 1.0 1.0	0.06 0.06 DC*,u_ 0.25 0.25 0.07 0.08	0.02 (CDK1 0.0 0.0 0.03 0.04	0.02 0.02 5SB CA P 1=(1, 0.0 0.0 0.03	0.02 5.73 5.70\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.07 tion 0.25 0.25 0.07	0.0 - 0.8 - 0.6
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0	1.0 0.8 1.0 1.0 1.0 1.0 1.0	0.06 DX1 DX1 0.25 0.26 0.06 0.07 0.06 0.08	0.0 ATR OSB CDK1 0.0 0.0 0.0 0.0 0.0 0.0	0.0 558 CA 0.0 0.0 0.0 0.0 0.0 0.0	0.0 SP3 rolifera Prolifera 0.0 0.0 0.01 0.0 0.01	0.06 0.1) 0.25 0.06 0.08 0.08	- 1.0 - 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 \$\sqrt{3}\sqrt{6} \cdot \sqrt{6}\$ \$\sqrt{5}\sqrt{8} \cdot \sqrt{6}\$ 1.0 1.0 1.0 1.0	0.07 O.07 O.25 0.24 0.06 0.08 0.07	0.01 ATR OSB	0.01 0.01 (1]=(1, 0.0 0.03 0.02 0.02 0.02	0.02 5.673 10.0, 0.0 0.0 0.03 0.03 0.03	0.07 cion R 1) 0.25 0.24 0.07 0.09 0.08	[d_D - 0.8 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 0SB_SS 0.8 1.0 1.0 1.0 1.0	1.0 0.8 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.07 0.25 0.25 0.07 0.08 0.07	0.02 (CDK1 0.0 0.0 0.03 0.04 0.04 0.04	0.02 0.02 (A) (P) (P) (P) (P) (P) (P) (P) (P	0.02 5.5.73 10.0, 0.0 0.0 0.04 0.05 0.05	0.07 10.0) 0.25 0.07 0.09 0.07	1.0 - 0.8 - 0.6
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0	1.0 0.8 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.07 0.06	0.0 ATR OSB CDK1 0.0 0.0 0.0 0.0 0.0 0.0	0.0 558 CA 0.0 0.0 0.0 0.0 0.0 0.0	0.0 SP3 rolifera Prolifera 0.0 0.0 0.01 0.0 0.01	0.06 0.1) 0.25 0.06 0.08 0.08	- 1.0 - 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 \$\sqrt{3}\sqrt{6} \cdot \sqrt{6}\$ \$\sqrt{5}\sqrt{8} \cdot \sqrt{6}\$ 1.0 1.0 1.0 1.0	0.07 O.07 O.25 0.24 0.06 0.08 0.07	0.01 ATR OSB	0.01 0.01 (1]=(1, 0.0 0.03 0.02 0.02	0.02 5.673 10.0, 0.0 0.0 0.03 0.03 0.03	0.07 cion R 1) 0.25 0.24 0.07 0.09 0.08	[d_D - 0.8 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 0SB_SS 0.8 1.0 1.0 1.0 1.0	1.0 0.8 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.07 0.25 0.25 0.07 0.08	0.02 (CDK1 0.0 0.0 0.03 0.04 0.04 0.04	0.02 0.02 (A) (P) (P) (P) (P) (P) (P) (P) (P	0.02 5.5.73 10.0, 0.0 0.0 0.04 0.05 0.05	0.07 10.0) 0.25 0.07 0.09 0.07	1.0 - 0.8 - 0.6 - 0.4
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0	1.0 0.8 1.0 1.0 1.0 1.0 1.0 1.0 68,u_C	0.06 0.06 0.25 0.26 0.06 0.07 0.06 0.08 0.08 0.08	0.0 ATR OSB CDK1 0.0 0.0 0.0 0.0 0.0 CDK1	0.0 558 CA 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 SP3 Prolifera 0.0 0.0 0.0 0.0 0.0 0.0 0.01 SP3 Prolifera Prolifera 0, 0.1,	0.06 0.1) 0.25 0.06 0.08 0.08 0.08	- 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 \$\frac{1}{2}\text{0.8}\$ 1.0 1.0 1.0 1.0 1.0 \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$ \$\frac{3}{6}\text{0.5}\$	0.07 CDC*, 0.025 0.04 0.06 0.08 0.07 0.09 CDC*, CDC*, CDC*, CDC*, CDC*, CDC*,	0.01 ATR OSB 0.00 0.00 0.00 0.002 0.002 0.002 ATR OSB ATR OSB CDK1	0.01 0.01 (1]=(1, 0.0 0.03 0.02 0.02 0.02	0.02 5P3 10.0, 0.0 0.0 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.09 0.08 0.09 ition R	[d_D - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 SB_SS 0.8 1.0 1.0 1.0 1.0	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 38 C	0.06 DC*,u_ 0.25 0.07 0.08 0.07 0.1 DC*,u_ CC*,u_ CC*	0.02 (CDK1 0.00 0.00 0.04 0.04 0.04 0.04 0.04	0.02 0.02 0.02 0.03 0.04 0.04 0.04 0.04 0.04	0.02 0.02 5.70 10.0, 0.0 0.04 0.05 0.05 0.05 0.05 0.05	0.07 10.0) 0.25 0.07 0.09 0.07 0.1	1.0 - 0.8 - 0.6 - 0.4
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 0.0 1.0 0.0 1.0 0.0	1.0 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.25 0.26 0.06 0.07 0.06 0.08 0.08 0.08	0.0 ATR OSB CDK1 0.0 0.0 0.0 0.0 0.0 CDK1 0.0	0.0 558 CA .]=(1, 0.0 0.0 0.0 0.0 0.0 =(10.0	0.0 5.673 10.0, 0 0.0 0.0 0.01 0.0 0.01 0.01 5.673 6.7016 6.7016 7	0.06 0.1) 0.25 0.06 0.08 0.08 0.08	- 1.0 - 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - [d]	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 \$\frac{1}{2}\text{0.8}\$ 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.07 CDC*, 0.025 0.04 0.06 0.08 0.07 0.09 CDC*, CDC*, CDC*, CDC*, CDC*, CDC*,	0.01 ATR OSB 0.00 0.00 0.00 0.002 0.002 0.002 CDK1 0.00	0.01 0.01 (1]=(1, 0.0 0.03 0.02 0.02 0.02 1]=(10.	0.02 5.673 10.0, 0.0 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.09 0.08 0.09 ion R	[d_D - 0.8 - 1.0 - 1.0 - 1.0 - 1.0	1.0 SB_SS 0.8 1.0 1.0 1.0 1.0 5B_SSE 0.8	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 2.0 38 0.8 3.u_CE 0.8	0.06 DC*,u_ 0.25 0.07 0.08 0.07 0.1	0.02 TR 6 0.00 CDK1 0.04 0.04 0.04 0.04 CDK1 0.0	0.02 0.02 0.02 0.02 0.04 0.00 0.03 0.04 0.04 0.04 0.04 0.04 0.04	0.02 5.73 10.0, 10.0, 0.00 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	10.0) 10.07 10.09 10.07 10.00 10.07 10.00 10.05	1.0 - 0.8 - 0.6 - 0.4
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.25 0.26 0.06 0.07 0.08 0.08 0.08 0.05 0.05	0.0 ATR OSB CDK1 0.0 0.0 0.0 0.0 0.0 CDK1 0.0 CDK1 0.0 0.0	0.0 358 A .]=(1, 0.0 0.0 0.0 0.0 0.0 =(10.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.01 0.0 0.01 0.0 0.01, 0.0 0.0 0.01, 0.0 0.0	0.06 0.1) 0.25 0.06 0.08 0.08 0.08 0.08	- 1.0 - 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 2.5 2.5 2.5 3.6 1.0 1.0 1.0 1.0 1.0 1.0 2.5 3.6 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	0.07 CDC*, 0.25 0.24 0.06 0.08 0.07 0.09 CDC*, u 0.05 0.05	0.01 ATR OSB	0.01 0.01 (1]=(1, 0.0 0.03 0.02 0.02 0.02 0.02 1=(10. 0.0 0.0	0.02 0.02 10.0, 10.0, 0.0 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.09 0.08 0.09 ion R	[d_D - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	DC*,u_ 0.25 0.25 0.07 0.08 0.07 0.1 0.07 0.01 0.05	0.02 TR 6 0.00 CDK1 0.04 0.04 0.04 0.04 CDK1 0.0 0.0 0.0	0.02 0.02 0.02 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.04	0.02 0.02 5.73 10.0, 0.0 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	10.0) 10.07 10.09 10.07 10.00 10.07 10.00 10.05 10.00 10.005	1.0 - 0.8 - 0.6 - 0.4 - 0.2
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C SSB,u_0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.06 0.25 0.26 0.06 0.07 0.06 0.08 0.08 0.05 0.05 0.05 0.02	0.0 ATR OSB CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 358 CA 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.06 0.05 0.06 0.08 0.08 0.08 0.08 0.08 0.08 0.08	- 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 2.38 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.08 0.07 0.09 0.05 0.05 0.02	0.01 ATR OSB 0.03 0.02 0.02 0.02 0.02 0.02 0.02 0.00	0.01 3.00 (1]=(1, 0.0 0.03 0.02 0.02 0.02 0.02 0.02 0.02	10.0, 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.09 0.08 0.09 ion 8 0.09 0.05 0.05	[d_D - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	DC*,u_ 0.05 0.07 0.08 0.07 0.01 0.07 0.01 0.05 0.05 0.06	CDK1 0.00 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04	0.02 0.02 =(1, 0.0 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.00	10.0, 10.0, 0.00 0.04 0.05 0.05 0.05 0.05 0.05 0.00	10.0) 0.25 0.07 0.09 0.07 0.1 10.0) 0.05 0.06 0.02	1.0 - 0.8 - 0.4 - 0.2 - 0.2
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C 38 C 38 C 38 C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.25 0.26 0.06 0.07 0.06 0.08 0.08 0.05 0.05 0.05 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 358 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.06 0.1) 0.25 0.06 0.08 0.08 0.08 0.08 0.08 0.08	- 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 2.38 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.08 0.07 0.09 0.05 0.05 0.02	0.01 ATR 0.0 0.00 0.00 0.002 0.002 0.002 CDK1 0.0 0.0 0.0 0.0 0.0 0.0	0.01 0.01 (1]=(1, 0.0 0.03 0.02 0.02 0.02 0.02 1=(10. 0.0 0.0 0.0	0.02 5.63 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.09 0.08 0.09 0.05 0.05 0.02	[d_D - 0.8 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	38 C C C C C C C C C C C C C C C C C C C	0.06 DC*,u_ 0.25 0.07 0.08 0.07 0.1 CC*,u_ 0.05 0.06 0.02	CDK1 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.00	0.02 0.02 =(1, 0.0 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.00 0.0	10.0, 10.0, 0.00 0.04 0.05 0.05 0.05 0.05 0.05 0.00 0.0 0.0 0	10.0) 0.25 0.07 0.09 0.07 0.1 10.0) 0.05 0.06 0.02 0.02	1.0 - 0.8 - 0.6 - 0.4 - 0.2 - 0.0
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, o/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, o/mk2i - krasΔ, DNAdam, o/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C SSB,u_6 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.25 0.26 0.06 0.07 0.06 0.08 0.08 0.05 0.05 0.05 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	= (1,	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.06 0.1) 0.25 0.06 0.08 0.08 0.08 0.05 0.02 0.02 0.02	- 1.0 - 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 2.3% CX 2.5SB,u_ 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.02 0.07 0.09 0.05 0.05 0.02 0.02 0.02	0.01 ATR OSB 0.02 0.02 0.02 0.02 ATR OSB 0.02 0.02 0.02 0.00 0.00 0.00 0.00 0.00	0.01	10.0, 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.09 0.08 0.09 0.05 0.05 0.02 0.02	[d_D - 0.8 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	DC*,u_ 0.05 0.07 0.08 0.07 0.1 0.05 0.05 0.06 0.02	CDK1 0.00 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.00 0.00	0.02 0.02 =(1, 0.0 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.0 0.	0.02 0.02 10.0, 0.0 0.04 0.05 0.05 0.05 0.05 0.05 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0	10.0) 10.07 10.05 10.07 10.00 10.05 10.05 10.02 10.02	1.0 - 0.8 - 0.6 - 0.4 - 0.2 - 0.8 - 0.6
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, o/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, o/mk2i - krasΔ, DNAdam, o/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C SSB,u_6 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.25 0.26 0.06 0.07 0.06 0.08 0.08 0.05 0.05 0.05 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 358 A 1=(1, 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0 0.0	0.06 10.05 0.06 0.06 0.08 0.08 0.08 0.08 0.08 0.09 0.09 0.01 0.05 0.02 0.02	- 1.0 - 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 2.3% C SSB,u_ 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.25 0.04 0.06 0.08 0.07 0.09 0.05 0.05 0.05 0.02 0.02	0.01 ATR OSB 0.02 0.02 0.02 0.02 0.02 0.02 0.03	0.01	0.02 5P3 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.	1) 0.25 0.07 0.09 0.08 0.09 0.05 0.05 0.02 0.02	[d_D - 0.8 - 1.0 - 1.0	1.0 SB_SS 0.8 1.0	38, u_C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	DC*,u_ 0.05 0.07 0.08 0.07 0.08 0.07 0.1 0.05 0.05 0.05 0.02 0.02 0.02	CDK1 0.00 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.0 0.0 0.0 0.0 0.0	0.02 0.02 0.02 (A) (B) (C) (C) (C) (C) (C) (C) (C) (C	0.02 0.02 10.0, 10.0, 0.0 0.04 0.05 0.05 0.05 0.05 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	10.0) 10.07 10.09 10.07 10.0) 10.07 10.0) 10.05 10.05 10.02 10.02 10.02	1.0 - 0.8 - 0.4 - 0.2 - 0.2 - 0.6 - 0.4 - 0.2
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, o/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, o/mk2i - krasΔ, DNAdam, o/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C SSB,u_6 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.06 0.25 0.26 0.06 0.07 0.06 0.08 0.08 0.05 0.05 0.02 0.02 0.02 0.02	CDK1 O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.	= (1, 0.0 0.0	0.0 10.0, 0 10.0, 0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.06 0.1) 0.26 0.06 0.08 0.08 0.08 0.08 0.09 0.09 0.01 0.05 0.02 0.02 0.02	- 1.0 - 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 DSB	1.0 SSB,u_0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.07 CDC*, 0.02 0.03 0.02 0.02 0.02 0.02 0.02 0.02	0.01 ATR OSB 0.00 0.00 0.00 0.002 0.002 ATR OSB 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01	0.02 5P3 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.00 0.0 0.	1) 0.25 0.07 0.09 0.08 0.09 0.05 0.05 0.02 0.02	[d_D - 0.8 - 1.0 - 1.0	1.0 SB_SS 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	38, u_C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	DC*,u_C 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.00 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.02 0.02 0.02 (A) (B) (C) (C) (C) (C) (C) (C) (C) (C	10.0, 10.0, 0.0 0.04 0.05 0.05 0.05 0.05 0.00 0.0 0.0 0.0 0.	10.0) 10.07 10.09 10.07 10.0) 10.05 10.05 10.02 10.02 10.02	1.0 - 0.8 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, chek1i/mk2i - % wt, no DNAdam - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C 38 C 38 C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.07 0.06 0.06 0.06 0.07 0.06 0.08 0.08 0.08 0.05 0.05 0.05 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	= (1, 0.0 0.	0.0 10.0, 0 10.0, 0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.06 0.025 0.08 0.08 0.08 0.08 0.08 0.09 0.02 0.02 0.02 0.02 0.02	- 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 DSB	1.0 SSB,u_ 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.09 0.05 0.02 0.02 0.02 0.02 0.02 0.02	0.01 ATR OSB 0.02 0.02 0.02 0.02 0.02 0.02 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	O.01	0.02 5.63 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.00 0.0 0.	1) 0.25 0.07 0.09 0.09 0.09 0.05 0.05 0.02 0.02	[d_D - 0.8 - 1.0 - 1.0	1.0 SB_SS 0.8 1.0	38 C 38 C 38 C 30 C	0.06 0.06 0.25 0.07 0.08 0.07 0.1 0.05 0.05 0.06 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.00 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.02 0.02 =(1, 0.0 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.0 0.	0.02 10.0, 10.0, 0.0 0.04 0.05 0.05 0.05 0.05 0.0	10.0) 10.07 10.09 10.07 10.00 10.05 10.02 10.02 10.02 10.02 10.02 10.02	1.0 - 0.8 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2
krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C 38 C 38 C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.07 0.06 0.06 0.06 0.07 0.06 0.08 0.08 0.08 0.05 0.05 0.05 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	= (1, 0.0 0.	0.0 0.0	0.06 0.1) 0.25 0.06 0.08 0.08 0.08 0.08 0.09 0.01 0.05 0.02 0.02 0.02 0.02 0.02	- 1.0 - 0.8 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 DSB	1.0 SSB,u_0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.07 CDC*, 0.03 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	0.01 ATR OSB 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	O.01	0.02 5.63 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.00 0.0 0.	1) 0.25 0.07 0.09 0.08 0.09 0.05 0.05 0.02 0.02	[d_D - 0.8 - 1.0 - 1.0	1.0 SB_SS 0.8 1.0	1.0 1.0	DC*,u_C 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.00 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	= (1, 0.04 0.04 0.04 0.04 0.00	0.02 10.0, 10.0, 0.04 0.05 0.05 0.05 0.05 0.0	10.0) 0.07 0.05 0.07 0.07 0.07 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	1.0 - 0.8 - 0.4 - 0.2 - 0.6 - 0.6 - 0.4 - 0.2
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, chek1i/mk2i - % wt, no DNAdam - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, o/0 -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C3 38 C3 38 C3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.25 0.26 0.06 0.07 0.08 0.08 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	= (1, 0.0 0.	0.0 0.0	0.06 0.025 0.08 0.08 0.08 0.08 0.08 0.08 0.09 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- 1.0 - 0.8 - 1.0	1.0 DSB	1.0 SSB,u_ 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.06 0.08 0.07 0.09 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.03	0.01 ATR OSB 0.02 0.02 0.02 0.02 0.02 CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	O.01 O.00 O.00	0.02 5.63 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.00 0.0	1) 0.25 0.07 0.09 0.09 0.05 0.02 0.02 0.02 0.02 0.02	[d_D - 0.8 - 1.0 - 1.0	1.0 SB_SS 0.8 1.0	1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.01 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	= (1, 0.04 0.04 0.04 0.04 0.00	0.02 10.0, 10.0, 0.04 0.05 0.05 0.05 0.05 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	10.0) 0.07 0.05 0.07 0.07 0.07 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	1.0 - 0.8 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4
krasΔ, DNAdam, chek1i/mk2i - % wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - % wt, no DNAdam - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - % wt, no DNAdam - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - % krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C 38 C 38 C 38 C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.02 0.06 0.06 0.06 0.06 0.08 0.08 0.05 0.05 0.06 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	(1, 0.0	O.O.	0.06 10.25 0.26 0.06 0.08 0.08 0.08 0.08 0.09 0.01 0.02 0.02 0.02 0.02 0.02	- 1.0 - 1.0	1.0 DSB	1.0 2.3% C 2.5SB,u_ 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02	0.01 AN OSB 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.02 AN OSB 0.01 0.01 0.01	O.01 O.02 O.02 O.03 O.04 O.04 O.04 O.04 O.04 O.05 O.05	0.02 5.63 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.09 0.09 0.02 0.02 0.02 0.02 0.02 0.03 0.09 0.09	[d_D 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 SB_SS O.8 1.0	1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.01 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	O.02	0.02 0.00	10.0) 0.05 0.07 0.09 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03	1.0 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2
krasΔ, DNAdam, chek1i/mk2i - % wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - % wt, no DNAdam - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - % wt, no DNAdam - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - % krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C 38 C 38 C 38 C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.02 0.06 0.06 0.06 0.06 0.08 0.08 0.05 0.05 0.06 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	(1, 0.0	O.O.	0.06 10.25 0.26 0.08 0.08 0.08 0.08 0.09 0.09 0.02 0.02 0.02 0.02 0.02	- 1.0 - 1.0	1.0 DSB	1.0 2.3% C 2.5SB,u_ 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02	0.01 AN OSB 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01	O.01 O.02 O.02 O.02 O.03 O.03 O.04 O.04 O.04 O.05 O.05	0.02 5.63 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.09 0.09 0.02 0.02 0.02 0.02 0.02 0.03 0.09 0.09	[d_D - 0.8 - 1.0 - 1.0	1.0 SB_SS O.8 1.0	1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.08 0.07 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	O.02	0.02 0.00	10.0) 0.05 0.07 0.09 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03	1.0 - 0.8 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_0.8] 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38	0.06 0.7 CDC*, u 0.25 0.06 0.07 0.06 0.08 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	(10.0 (10.	O.O.	0.06 10.05 0.06 0.06 0.06 0.08 0.08 0.08 0.00 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	1.0	1.0 DSB	1.0 2.3% CA 2.5SB,u_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.09 0.02 0.02 0.02 0.02 0.02 0.03 0.03 0.03	0.01 ANDSB 0.02 0.02 0.02 0.02 0.02 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01	O.01 O.02 O.02 O.02 O.03 O.03 O.04 O.04 O.04 O.05 O.05	0.02 5.63 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.01	1) 0.05 0.07 0.09 0.09 0.05 0.02 0.02 0.02 0.02 0.02 0.09 0.09 0.09	[d_D - 1.0 - 0.8 - 1.0 - 1.0	1.0 SB_SS 1.0 1.	1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.08 0.07 0.05 0.06 0.02 0.02 0.02 0.02 0.02 0.02	0.02 CDK1 0.04 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.02 CDK1 0.02	O.02 O.03 O.04 O.04 O.04 O.04 O.00 O.00	0.02 583 0.00 10.00 0.00 0.00 0.00 0.00 0.00 0	10.0) 0.05 0.07 0.09 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03	1.0 - 0.8 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_0.8] 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38	0.06 0.7 CDC*,u 0.25 0.06 0.06 0.08 0.08 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	(10, (10) (1	O.O.	0.06 10.05 0.06 0.06 0.06 0.08 0.08 0.08 0.09 10.01 0.02 0.02 0.02 0.02 0.02	1.0	1.0 DSB	1.0 3% C SSB,u_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	0.01 AND SB 0.02 0.02 0.02 0.02 0.02 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.01 AND SB 0.01 0.01 AND SB 0.01 0.01 AND SB 0.01 0.01	O.01 O.02 O.02 O.02 O.03 O.04 O.04	0.02 5.63 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 5.63 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1) 0.05 0.03 0.02 0.02 0.02 0.02 0.02 0.02 0.02	[d_D - 1.0 - 1.0	1.0 SB_SS 1.0 1.	1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03	0.02 CDK1 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.02 CDK1 0.02	O.02 O.04 O.04 O.04 O.04 O.00 O.00	0.02 0.07 0.00 0.00 0.05 0.05 0.05 0.00	0.07 10.0) 10.05 10.02 10.02 10.02 10.02 10.03 10.02 10.03 10.02 10.03 10.03	1.0 -0.8 -0.4 -0.2 -0.6 -0.4 -0.2 -0.6 -0.4 -0.2
krasΔ, DNAdam, chek1i/mk2i - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, o/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d] 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C3 38 C3 38 C3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.02 0.06 0.06 0.06 0.06 0.08 0.08 0.08 0.02 0.02 0.02 0.01 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	(1, 0.0	O.O.	0.06 10.05 0.06 0.06 0.06 0.08 0.08 0.08 0.09 10.01 0.02 0.02 0.02 0.02 0.02	1.0	1.0 DSB	1.0 2.3% CA 2.5SB,U_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.02 0.03 0.02 0.02 0.02 0.02 0.02 0.02	0.01 AN OSB 0.02 0.02 0.02 0.02 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.01 AN OSB 0.01 0.01 0.01	O.01 O.02 O.02 O.02 O.03 O.03 O.04 O.04 O.04 O.05 O.05	0.02 5.63 10.0, 10.0, 10.0 10.03 10.03 10.03 10.03 10.03 10.01 10.0 10.0	1) 0.24 0.07 0.09 0.02 0.02 0.02 0.02 0.02 0.02 0.02	[d_D - 1.0 - 0.8 - 1.0 - 1.0	1.0 SB_SS 1.0 1.	1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	0.02 CDK1 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.02 CDK1 0.02	O.02 O.03 O.04 O.04 O.04 O.05 O.05	0.02	0.07 10.0) 10.05 10.05 10.02 10.02 10.02 10.02 10.03 10.03 10.02 10.03 10.03	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d] 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 C3 38 C3 38 C3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.7 CDC*,u 0.25 0.06 0.07 0.06 0.08 0.08 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	(10,0 (10,0)))))))))))))))	O.O	0.06 10.07 0.25 0.06 0.06 0.08 0.08 0.08 0.00 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03	1.0	1.0 DSB	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	0.01 AN OSB 0.02 0.02 0.02 0.02 0.02 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.01 0.01	O.01 O.02 O.02 O.02 O.03 O.04 O.04 O.04 O.04 O.05 O.05	0.02 5/3 678 70 70 70 70 70 70 70	1) 10.25 10.07 10.05 10.09 10.05 10.05 10.02 10.02 10.03 10.09 10.09 10.09 10.09 10.09	[d_D - 1.0 - 1.0	1.0 SB_SS 0.8 1.0	1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	0.02 CDK1 0.04 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.02 CDK1 0.02 0.03	O.02 O.03 O.04 O.04 O.04 O.05 O.05	0.02	O.07 O.25 O.02 O.02 O.02 O.02 O.02 O.02 O.02 O.03 O.04 O.05 O.05	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38	0.06 0.7 CDC*,u 0.25 0.06 0.07 0.06 0.08 0.08 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	(10, (10) (1	O.O.	O.06 O.25 O.02 O.02 O.02 O.02 O.02 O.03 O.03	1.0	1.0 DSB	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	0.01 AN OSB 0.02 0.02 0.02 0.02 0.02 0.00 0.00 0.00 0.00 0.00 0.01 AN OSB 0.01 0.01 0.01 0.01 0.01	O.01 O.02 O.02 O.03 O.04 O.04 O.04 O.04 O.04 O.05 O.05	0.02 583	1) 0.05 0.09 0.02 0.02 0.02 0.02 0.02 0.03 0.03 0.09 0.09 0.09 0.09 0.09 0.09	[d_D	1.0 SB_SS 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.05 0.06 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 O.02 CDK1 O.04 O.04 O.04 O.04 O.00 O.00 O.00 O.00 O.00 O.01 O.02 CDK1 O.02 O.03 O.03 O.03 O.03 O.03 O.03	O.02 O.03 O.04 O.04 O.04 O.05 O.05	0.02	O.07 O.25 O.02 O.02	1.0 -0.8 -0.4 -0.2 -0.6 -0.4 -0.2 -0.6 -0.4 -0.2 -0.6 -0.4
kras∆, DNAdam, chek1i/mk2i - wt, no DNAdam - kras∆, no DNAdam, 0/0 - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i -	1.0 [d_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 38	0.06 0.7 0.25 0.06 0.06 0.07 0.06 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 O.O O.O O.O O.O O.O O.O O.O O	(1, (1, (1)	O.O.	O.06 O.25 O.02 O.02	I.O	1.0 DSB	1.0 38 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.24 0.08 0.07 0.09 0.05 0.02 0.02 0.02 0.02 0.03 0.03 0.03 0.03	0.01 AN OSB 0.02 0.02 0.02 0.02 0.03 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.01 0.01 0.01 0.01	O.01 O.02 O.02 O.03 O.03	0.02 583 10.0, 10.0, 10.03 0.03 0.03 0.03 0.03 0.00 0.00 0.0	1) 0.07 0.09 0.09 0.02 0.02 0.02 0.02 0.02 0.03 0.03 0.09 0.09 0.09 0.09 0.09	[d_D - 0.8 - 1.0 - 1.0	1.0 SB_SS 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0	0.06 0.07 0.25 0.07 0.08 0.07 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 O.02 CDK1 O.04 O.04 O.04 O.04 O.04 O.00 O.00 O.00 O.00 O.00 O.01 O.02 CDK1 O.02 O.03 O.03 O.03 O.03 O.03 O.03	O.02 O.03 O.04 O.04 O.04 O.05 O.05	0.02	0.07 10.0) 0.25 0.07 0.07 0.09 0.07 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0