wt, no DNAdam -		0.8	SB,u_0 0.8	0.05				0.1)	[d - 0.8	0.8				0.0			[d_D - 0.8	SB_SS 0.8		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	0.05	0.0	0.0	0.0	0.05	- 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		1.0	0.0			0.0		- 1.0	1.0	1.0	0.0		0.0			1.0		1.0			0.01	0.01		- 0.4
krasΔ, DNAdam, chek1i/mk2i -	1.0	1.0	1.0						- 1.0	1.0	1.0			0.01			- 1.0	1.0	1.0	0.0	0.01	0.01	0.01	0.0	- 0.2
BR	AF N	IEK (638 C	OKI ATM	ATR OSB	5SB CA	SP3	ition	BRAF	VEK	638 C	DKI ATM	ATR OSB	SSB CAS	5P3	tion P	3RAF	VEK '	638 C	OKI W E	TR OSB	55B CAG	5P3 roliferat	tion	0.0
	[d _.			_CDC*,ı			\		[d_DSB _.				K1]=(0			[4 [NSR S	SR 11 C	CDC*,u					1.0
wt, no DNAdam -	0.82	0.82	0.82	0.19	0.0	0.0	0.0	0.19	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			- 0.8
kras∆, no DNAdam, 0/0 -		1.0		0.21	0.0		0.0		1.0	1.0	1.0	0.2		0.0			1.0			0.18					- 0.6
krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 -	1.0			0.01		0.01		0.01	1.0	1.0				0.02			1.0			0.01					
krasΔ, DNAdam, 0/mk2i -								0.01	- 1.0	1.0				0.03			- 1.0	1.0	1.0	0.01	0.03	0.03	0.04	0.01	- 0.4
krasΔ, DNAdam, chek1i/mk2i -	1.0			0.01					1.0	1.0				0.03			1.0	<u> </u>		0.02					- 0.2
BR	AF N	IEK (638 C	DKI ATM	ATR DSB	5SB CA	SP3 Prolifera	ition	BRAF	WEX	638 C	DKJ ALW	ATR DSB	SSB CAS	5P3 Proliferat	cion P	3RAF 1	VEK "	638 C	DKJ W L	DSB	55B CAG	roliterat	tion	0.0
				CDC*,u_					[d __	_DSB_S	SSB,u_0	CDC*,u	ı_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 - - kras∆, no DNAdam, 0/0 -	1.0			0.24			0.0		- 0.8	1.0		0.25		0.0			0.8			0.24					- 0.8
krasΔ, DNAdam, 0/0 -								0.01		1.0						0.02	1.0			0.25					- 0.6
kras∆, 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	1.0	1.0	0.02	0.07	0.07	0.08	0.02	- 0.4
kras∆, DNAdam, 0/mk2i -	1.0	1.0	1.0	0.01	0.01	0.01	0.01	0.02	1.0	1.0	1.0	0.01	0.04	0.04	0.04	0.02	1.0			0.02					- 0.2
krasΔ, DNAdam, chek1i/mk2i -	1.0		·			<u> </u>			1.0	1.0			<u> </u>	0.07	<u> </u>		1.0 3RAF	<u> </u>		0.02					0.0
BIN IN P CD ATM, DSB, CAS Proliferation BIN IN P CD ATM, DSB, CAS Proliferation ATT DSB, CAS PROLIFERA																									
wt, no DNAdam -				_CDC*,u					- 0.8	d_DSB 0.8				<1]=(1 0.0			[d_[- 0.8			ODC*,u					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			0.05					- 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	0.01	1.0	1.0	1.0	0.01	0.0	0.0	0.0	0.01	- 0.6
kras∆, DNAdam, chek1i/0 -	1.0			0.02				0.02	1.0	1.0						0.02	-			0.01					- 0.4
krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0			0.01		0.0		0.01	- 1.0 - 1.0	1.0				0.0			1.0			0.01			0.0		- 0.2
									BRAF								3RAF N	NEX.	638 CL	DKJ N D	TR OSB	5SB CAS	SP3	tion	0.0
				ı_CDC*,			•							OK1]=(:						·	ŕ	8	,,,		
wt, no DNAdam -		0.8	0.8	0.2			0.0		- 0.8	0.8	0.8	0.2		0.0						CDC*,	_				1.0
kras∆, no DNAdam, 0/0 -	1.0	1.0	1.0	0.19	0.0	0.0	0.0	0.19	1.0	1.0	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.0	1.0	0.18	0.0	0.0	0.0	0.18	- 0.8
kras∆, DNAdam, 0/0 -								0.05	-					0.01			1.0			0.04					- 0.6
krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i -	1.0							0.05	1.0	1.0				0.01			1.0			0.05				0.06	- 0.4
		1.0	1.0	0.05	0.0	0.0	0.0	0.05	T.U	1.0	1.0	0.04	0.01	0.01	0.01	0.04	1.0	1.0	1.0	0.05	0.01	0.01	0.02		
krasΔ, DNAdam, chek1i/mk2i -		1.0	1.0	0.05			0.0		- 1.0	1.0						0.07	1.0	1.0	1.0	0.06	0.02	0.02	0.03	0.06	- 0.2
	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	0.03		
	1.0	1.0	1.0	0.06	O.O 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 DSB	0.01	0.02 5P3 Proliferat	0.07	1.0	1.0	1.0	0.06	0.02	0.02 55B CAG	0.03	tion	
øየ wt, no DNAdam -	1.0 PF N [d_ 0.81	1.0 NEX DSB_S 0.81	1.0 දි3 ⁸ ර SSB,u_0 0.81	0.06 DK ¹ ATM CDC*,u 0.24	0.0 ATR OSB CONTROL OSB CONTR	0.0 55 ^B CP .]=(1,	0.0 5P ³ Prolifera 10.0, 0	0.06 0.1) 0.24	1.0 BRAF (1.0 MEX DSB_ 0.8	1.0 \$38 C SSB,u_ 0.8	0.07 DX ¹ ATM CDC*, 0.25	0.01 ATR DSB U_CDK 0.0	0.01 55 ⁸ CA (1]=(1, 0.0	0.02 5P ³ roliferat 10.0,	0.07	1.0 3RAF [d_D -0.81	1.0 0SB_SS 0.81	1.0 P38 CS B,u_C 0.81	0.06 DK ¹ ATM P DC*,u_ 0.24	0.02 TR 6 DSB 7 CDK1	0.02 55B CAS P 1=(1,	0.03 5R3 Toliferat 10.0,	10.0) 0.24	
BR	1.0 AF N	1.0 DSB_S 0.81	1.0 93^{8} C $65B,u_{0}$ 0.81 1.0	0.06 DK ¹ ATM CDC*, u	0.0 ATR 058 COK1 0.0 0.0	0.0 55 ⁸ CA .]=(1, 0.0 0.0	0.0 SP3 Prolifera 10.0, 0 0.0 0.0	0.06	- 1.0 BRAF (1.0	1.0 938 SSB,u_ 0.8 1.0	0.07 O.07 O.07 O.07 O.25 O.25	0.01 ATR DSB u_CDK 0.0	0.01 558 CA (1]=(1,	0.02 5P3 2roliferat 10.0, 0.0	0.07 cion 8 1) 0.25 0.23	1.0 BRAF N	1.0 0.5B_SS 0.81 1.0	1.0 938 C 6B,u_C 0.81 1.0	0.06 DX ¹ DC*,u_ 0.24 0.24	0.02 XTR (COK1) 0.00 0.0	0.02 55B CAS P 1=(1,	0.03 5.73 5.70liferat 10.0, 10.0 0.0	10.0) 0.24 0.24	1.0
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 -	1.0 AF N [d_ 0.81 1.0	1.0 DSB_S 0.81 1.0	1.0 238 C 5SB,u_0 0.81 1.0 1.0	0.06 DX1 DX1 DX1 DX1 DX1 DX1 DX1 DX1	0.0 ATR OSB OSB CDK1 0.0 0.0	0.0 558 CA .]=(1, 0.0 0.0 0.0	0.0 SP3 rolifera Prolifera 0.0 0.0 0.0	0.06 0.1) 0.24 0.26 0.06	1.0 BRAF (0.8)	1.0 DSB_ 0.8 1.0	1.0 938 CS SSB,u_ 0.8 1.0 1.0	0.07 PATM CDC*, 0.25 0.23 0.07	0.01 ATR DSB U_CDK 0.0 0.0 0.02	0.01 558 CAS (1]=(1, 0.0 0.0	0.02 5.673 10.0, 10.0, 0.0 0.03	0.07 cion 8 1) 0.25 0.23	[d_D - 0.81 - 1.0	1.0 0.5B_SS 0.81 1.0	1.0 0.81 1.0 1.0	0.06 DX ¹ DC*,u_ 0.24 0.24	0.02 XIR OSB CDK1 0.0 0.0 0.03	0.02 0.02 5SB CAP P 0.0 0.0 0.0 0.03	0.03 5.60 feral 10.0, 10.0 0.0 0.04	10.0) 0.24 0.24 0.07	1.0
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 -	1.0 AF N [d_ 0.81 1.0	1.0 DSB_S 0.81 1.0 1.0	1.0 \$\sqrt{3}\sqrt{6}\$ c's \$\sqrt{5}\sqrt{8}\sqrt{1}\$.0 1.0 1.0	0.06 DX1 DX1 DX1 DX1 DX1 DX1 DX1 DX1	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 0.01	0.06 0.1) 0.24 0.26 0.06	1.0 BRAF (0.8)	1.0 1.0 2 DSB 0.8 1.0	1.0 \$\sqrt{3}\sqrt{6}\$ \$0.8 1.0 1.0	0.07 CDC*, 0.25 0.23 0.07	0.01 ATR DSB U_CDK 0.0 0.0 0.02 0.03	0.01 558 CAS (1]=(1, 0.0 0.02	0.02 583 10.0, 0.0 0.0 0.03	0.07 (ion 8 0.25 0.23 0.07	[d_D - 0.81 - 1.0	1.0 SB_SS 0.81 1.0 1.0	1.0 38 C 5B,u_C 0.81 1.0 1.0	0.06 0.06 0.07 0.07 0.24 0.24 0.06	0.02 10.02 10.05 10.00 10.00 10.00 10.00 10.00	0.02 0.02 55B CAP P 0.0 0.0 0.03 0.04	0.03 5.873 5.0116era 10.0, 10.00 0.00 0.04 0.05	10.0) 0.24 0.24 0.07 0.09	1.0 - 0.8 - 0.6
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_ 0.81 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0	1.0 38 C 5SB,u_0 0.81 1.0 1.0 1.0 1.0	0.06 DX1 0.24 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 5R3 rainfera 10.0, 0 0.0 0.0 0.01 0.0 0.0	0.06 0.1) 0.24 0.06 0.07 0.07	- 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 \$\sqrt{3}\sqrt{6} \cdot \sqrt{6}\$ \$\sqrt{5}\sqrt{8} \cdot \sqrt{6}\$ 1.0 1.0 1.0 1.0	0.07 (CDC*, 0.25 0.23 0.07 0.07 0.07	0.01 PTR 058 0.00 0.00 0.02 0.03 0.02 0.02	0.01 0.01 (1]=(1, 0.0 0.02 0.03 0.02 0.02	0.02 5P3 10.0, 10.0, 0.0 0.03 0.03 0.03	0.07 cion R 1) 0.25 0.23 0.07 0.08 0.08	[d_D - 0.81 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 0SB_SS 0.81 1.0 1.0 1.0 1.0	1.0 0.81 1.0 1.0 1.0 1.0 1.0	0.06 DC*,u_ 0.24 0.24 0.06 0.08 0.06 0.09	0.02 10.02 10.04 0.04 0.04 0.04	0.02 0.02 (A) (P) (P) (P) (P) (P) (P) (P) (P	0.03 5.5.73 10.0, 10.0, 0.0 0.04 0.05 0.04 0.05	10.0) 0.24 0.07 0.09 0.09	1.0 - 0.8 - 0.6
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0	1.0 38 C 5SB,u_0 0.81 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 5R3 rainfera 10.0, 0 0.0 0.0 0.01 0.0 0.0	0.06 0.1) 0.24 0.06 0.07 0.07	- 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 \$\sqrt{3}\sqrt{6} \cdot \sqrt{6}\$ \$\sqrt{5}\sqrt{8} \cdot \sqrt{6}\$ 1.0 1.0 1.0 1.0	0.07 (CDC*, 0.25 0.23 0.07 0.07 0.07	0.01 PTR 058 0.00 0.00 0.02 0.03 0.02 0.02	0.01 0.01 (1]=(1, 0.0 0.02 0.03 0.02	0.02 5P3 10.0, 10.0, 0.0 0.03 0.03 0.03	0.07 cion R 1) 0.25 0.23 0.07 0.08 0.08	[d_D - 0.81 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 1.0 0SB_SS 0.81 1.0 1.0 1.0 1.0	1.0 0.81 1.0 1.0 1.0 1.0 1.0	0.06 0.06 DC*,u_ 0.24 0.24 0.06 0.08 0.06	0.02 10.02 10.04 0.04 0.04 0.04	0.02 0.02 (A) (P) (P) (P) (P) (P) (P) (P) (P	0.03 5.5.73 10.0, 10.0, 0.0 0.04 0.05 0.04 0.05	10.0) 0.24 0.07 0.09 0.09	1.0 - 0.8 - 0.6 - 0.4
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0	1.0 5SB,u_0 0.81 1.0 1.0 1.0 1.0 5B,u_C	0.06 0.06 0.24 0.26 0.06 0.07 0.06 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) 0.24 0.26 0.07 0.07 0.08 0.1)	- 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	1.0 238 CSSB,u_ 1.0 1.0 1.0 1.0 1.0 5SB,u_CSB,u_CSSB,u_CS	0.07 CDC*, 0.25 0.23 0.07 0.07 0.07 0.1	0.01 ATR OSB 0.02 0.02 0.02 0.02 ATR OSB 0.02	0.01 0.01 (1]=(1, 0.0 0.02 0.02 0.02 0.02 1]=(10.	0.02 5P3 10.0, 0.0 0.0 0.03 0.03 0.03 0.03 5P3 70iferat	1) 0.25 0.07 0.08 0.08 0.1 tion R	[d_D] - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0 1.0 1.0 1.0	1.0 38 0.81 1.0 1.0 1.0 1.0 3,u_CE	0.06 DC*,u_ 0.24 0.06 0.08 0.09 DKL NA DC*,u_ 0.06	0.02 10.02 10.02 10.04 10.04 10.04 10.04 10.04 10.04 10.04 10.04 10.04 10.04	0.02 0.02 0.02 0.04 0.00 0.03 0.04 0.04 0.04 0.04	0.03 5.73 10.0, 10.0, 0.0 0.04 0.05 0.04 0.05 5.73 7.011 0, 0.1,	10.0) 0.24 0.07 0.09 0.09 10.0)	1.0 - 0.8 - 0.6 - 0.4
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 SSB_SS 0.88	1.0 38 C SSB,u_0 0.81 1.0 1.0 1.0 1.0 1.0 68,u_C 0.8	0.06 0.06 0.24 0.26 0.06 0.07 0.06 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 0.0 0.0 0.0 0.0 0.0 0.0 0.0	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) 0.24 0.26 0.07 0.07 0.08 0.1)	- 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 \$\frac{1}{2}\text{0.8}\$ 1.0 1.0 1.0 1.0 1.0 1.0 0.82	0.07 CDC*, 0.25 0.23 0.07 0.07 0.07 0.1	0.01 ATR OSB 0.00 0.00 0.02 0.02 0.02 ATR OSB 0.02 0.03	0.01 0.01 (1]=(1, 0.0 0.02 0.02 0.02 0.02 1]=(10.	0.02 5P3 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 5P3 Proliferation	1) 0.25 0.07 0.08 0.08 0.1 ion R	[d_D] - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0 1.0 1.0 1.0 5B_SSE 0.81	1.0 38 C 0.81 1.0 1.0 1.0 1.0 2.0 38 C 3.u_CE 0.81	0.06 DC*,u_ 0.24 0.06 0.08 0.09 DKIN P	0.02 (CDK1 0.00 0.00 0.04 0.04 0.04 0.04 0.04 0.04	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	0.03 5.73 10.0, 10.0, 0.0 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05	10.0) 0.24 0.07 0.09 0.09 10.0) 10.0)	1.0 - 0.8 - 0.6 - 0.4 - 0.2
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38 C SSB,u_0 0.81 1.0 1.0 1.0 1.0 1.0 6B,u_C 0.8	0.06 DK1 0.24 0.26 0.06 0.07 0.06 0.08 DK1 0.08 DK1 0.06 0.08	0.0 ATR OSB CDK1 0.0 0.0 0.0 0.0 0.0 CDK1 0.0 CDK1 0.0	0.0 358 A]=(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 0.01 0.0 0.01 0.0 0.01, 0.0 0.0 0.01, 0.0 0.0	0.06 0.1) 0.24 0.06 0.07 0.07 0.08 0.1) 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 SSB,u_ 0.8 1.0 1.0 1.0 1.0 1.0 0.82 0.82	0.07 CDC*, 0.25 0.23 0.07 0.07 0.07 0.07 0.07 0.04 0.04	0.01 ATR OSB 0.00 0.00 0.02 0.03 0.02 0.02 ATR OSB 0.02 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.01 (1]=(1, 0.0 0.02 0.02 0.02 0.02 0.02 1]=(10.	0.02 5.83 10.0, 0.0 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.08 0.08 0.1 cion 8	[d_D - 0.81 - 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 38 C 0.81 1.0 1.0 1.0 1.0 38 C 3,u_CE 0.81 1.0	0.06 DC*,u_ 0.24 0.06 0.08 0.06 0.09 DC*,u_ CC*,u_ 0.05	0.02 TR 6.0 CDK1 0.0 0.04 0.04 0.04 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 0.04 0.04	10.0, 10.0, 10.0, 0.0 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05	10.0) 0.24 0.07 0.09 0.09 tion	1.0 - 0.8 - 0.6 - 0.4 - 0.2
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, chek1i/0 -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.	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 0.06 0.24 0.26 0.06 0.07 0.06 0.08 0.08 0.05 0.05 0.06 0.02	0.0 ATR OSB COK1 0.0 0.0 0.0 0.0 0.0 CDK1 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 5.63 10.0, 0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.06 0.07 0.07 0.08 0.1) 0.08 0.09 0.09 0.09	- 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 2.0 2.5 2.5 2.5 3.0 1.0 1.0 1.0 1.0 2.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	0.07 CDC*, 0.25 0.23 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01	0.01 ATR OSB 0.02 0.02 0.02 0.02 ATR OSB 0.002 0.002 0.002	0.01 0.01 (1]=(1, 0.0 0.02 0.02 0.02 0.02 0.02 0.02	0.02 5.83 10.0, 0.0 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.08 0.08 0.08 0.1 ion P	[d_D - 0.81 - 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 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 DC*,u_ 0.24 0.06 0.08 0.06 0.09 DXANA 0.05 0.05 0.01 0.02	CDK1 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, 10.0, 0.0 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05	10.0) 0.24 0.07 0.09 icion	1.0 - 0.8 - 0.4 - 0.2 - 0.2
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38 C 38 C 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.06 0.24 0.26 0.06 0.07 0.06 0.08 0.08 0.05 0.05 0.05 0.01	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) 0.24 0.06 0.07 0.07 0.08 0.1) 0.08 0.09	- 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 2.38 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.25 0.23 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01	0.01 ATR 0.0 0.00 0.00 0.002 0.002 ATR 0.08 0.002 0.002 0.002 0.003	0.01 0.01 (1]=(1, 0.0 0.02 0.02 0.02 0.02 0.02 0.02	0.02 5P3 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.08 0.08 0.1 0.04 0.04 0.06 0.02	[d_D - 0.81 - 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 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 DC*,u_ 0.24 0.06 0.08 0.06 0.09 DXANA 0.05 0.05 0.01	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 0.00 0.0	10.0, 10.0, 10.0, 0.04 0.05 0.04 0.05 0.04 0.05 0.00 0.0 0.0	10.0) 0.24 0.07 0.09 0.09 i.ion 0.05 0.05 0.02 0.02	1.0 - 0.8 - 0.6 - 0.4 - 0.2 - 0.0
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, 0/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38 C 38 C 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.06 0.24 0.26 0.06 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 0.0	0.06 0.1) 0.24 0.06 0.07 0.07 0.08 0.08 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 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*, 0.23 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01 0.02 0.02	0.01 ATR 0.00 0.00 0.00 0.002 0.002 ATR 0.08 0.002 0.002 0.003 0.002 0.003	0.01	0.02 583 10.0, 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.08 0.08 0.1 0.04 0.06 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0	1.0 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 DC*,u_ 0.24 0.06 0.08 0.06 0.09 C*,u_ 0.05 0.05 0.01 0.02 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 0.00	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.	10.0, 10.0, 10.0, 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05	10.0) 0.24 0.07 0.09 0.09 0.05 0.05 0.02 0.02 0.02	1.0 - 0.8 - 0.6 - 0.4 - 0.2 - 0.8 - 0.6 - 0.4
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, 0/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38 C SB,u_6 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.06 0.24 0.26 0.06 0.06 0.08 0.08 0.05 0.05 0.05 0.02 0.02	CDK11 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 358 A 3 = (1, 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0 0.0	0.06 10.06 10.07 0.07 0.07 0.08 10.05 0.06 0.02 0.02 10.02	- 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	1.0 SSB,u_0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.07 CDC*, 0.25 0.07 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01 0.02 0.02	0.01 ATR 0.0 0.00 0.00 0.002 0.002 ATR 0.08 0.002 0.003 0.004 0.00 0.00 0.00 0.00 ATR 0.00 ATR 0.00 ATR 0.00 ATR 0.00	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 0.08 0.08 0.08 0.04 0.04 0.06 0.02 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0	38, u_C 3, u_C 3, u_C 3, u_C 3, u_C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 DC*,u_ 0.24 0.06 0.08 0.06 0.09 DC*,u_ 0.05 0.05 0.05 0.01 0.02 0.02	CDK1] 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.02 0.02 0.02 (A) (B) (C) (C) (C) (C) (C) (C) (C) (C	0.03 0.03 10.0,	10.0) 0.24 0.07 0.09 0.09 10.0) 0.05 0.05 0.02 0.02 0.02 10.02	1.0 - 0.8 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2
wt, no DNAdam, 0/0 - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, no DNAdam, 0/0 - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, 0/mk2i - krasΔ, DNAdam, 0/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38 C SB,u_6 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.06 0.24 0.26 0.06 0.07 0.06 0.08 0.08 0.05 0.05 0.02 0.02 0.02	CDK11 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	= (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 10.07 0.07 0.07 0.08 0.08 0.01 0.02 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 DSB	1.0 SSB,u_0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.07 CDC*, 0.07 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01 0.02 0.02 0.02	0.01 ATR OSB 0.02 0.02 0.02 0.02 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	0.01	0.02 5P3 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.	1) 0.25 0.07 0.08 0.08 0.08 0.04 0.04 0.06 0.02 0.02 1)	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0	38, u_C 3, u_C 3, u_C 3, u_C 3, u_C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 DC*,u_ 0.24 0.06 0.08 0.06 0.09 DC*,u_ 0.05 0.05 0.01 0.02 0.02 DC*,u_ 0.02	CDK1] 0.00 0.04 0.04 0.04 0.04 0.04 0.00 0.0 0.	0.02 0.02 0.02 (A) (B) (C) (C) (C) (C) (C) (C) (C) (C	0.03 0.03 10.0,	10.0) 0.24 0.07 0.09 0.09 10.0) 0.05 0.02 0.02 0.02 0.02 10.0)	1.0 - 0.8 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_0.81] 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 SB,u_0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.06 0.24 0.26 0.06 0.07 0.08 0.08 0.08 0.05 0.05 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 0.0 0.0 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 0.02 0.07 0.07 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	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*, 0.07 0.07 0.07 0.07 0.01 0.04 0.06 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	0.01 ATR DSB 0.02 0.02 0.02 0.02 0.02 0.02 ATR DSB 0.00 0.0 0.0 0.0 0.0 0.0 0.0	O.01	0.02 5P3 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.	1) 0.25 0.07 0.08 0.08 0.08 0.04 0.04 0.06 0.02 0.02 1) 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0	1.0 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 DC*,u_ 0.24 0.06 0.08 0.08 0.09 C*,u_ 0.05 0.05 0.01 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.	0.03 0.00	10.0) 0.24 0.07 0.09 0.09 10.0) 0.05 0.02 0.02 0.02 10.0) 10.0	1.0 - 0.8 - 0.4 - 0.2 - 0.8 - 0.6 - 0.4 - 0.2
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	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 0.05 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 0.1) 0.24 0.06 0.07 0.07 0.08 0.05 0.02 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	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*, u 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	U_CDK 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.00 0.00 0.0 0.	O.01 O.00 O.00	0.02 5P3 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.	1) 0.25 0.07 0.08 0.08 0.08 0.04 0.06 0.02 0.02 1) 0.02 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0	1.0 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 DC*,u_ 0.24 0.06 0.08 0.06 0.09 DC*,u_ 0.05 0.05 0.01 0.02 0.02 DC*,u_ 0.02 DC*,u_ 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	= (1, 0.04 0.04 0.04 0.04 0.00	0.03 0.00	10.0) 0.24 0.07 0.09 0.09 10.0) 0.05 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 - 0.6 - 0.6
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_0.81] 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.	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 0.24 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	0.06 10.24 0.26 0.07 0.07 0.08 0.02 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*, 0.23 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02	0.01 ATR 0.0 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.02 O.02 O.02 O.03 O.04 O.04 O.04 O.04 O.05 O.05	0.02 583 10.0, 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.25 0.07 0.08 0.08 0.04 0.04 0.02 0.02 0.02 1) 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0	1.0 1.0	0.06 0.24 0.06 0.08 0.08 0.09 0.09 0.05 0.05 0.01 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	0.03 0.00 0.	10.0) 0.24 0.07 0.09 0.09 10.0) 0.05 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 - 0.2
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/0 -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.	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 0.24 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.	O.O.	0.06 10.24 0.02 0.07 0.07 0.08 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% C 2.5SB,u_ 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 0.025 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.03	0.01 ARR 0.02 0.02 0.02 0.02 ARR 0SB CDK1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.01	O.01 O.02 O.02 O.03 O.04 O.04	0.02 5/23 10.0, 10.0, 10.03 0.03 0.03 0.03 0.03 0.03 0.03 0.0	1) 0.25 0.07 0.08 0.08 0.04 0.06 0.02 0.02 0.02 1) 0.02 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0	1.0 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.24 0.06 0.08 0.08 0.09 0.05 0.05 0.05 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 0.01 0.01	O.02	0.03 0.00, 0.00, 0.00, 0.01, 0.00 0	10.0) 0.24 0.07 0.09 0.05 0.05 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
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/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 -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	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 0.02 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 0.	O.O.	0.06 10.24 0.02 0.07 0.07 0.08 0.02 0.02 0.02 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 0.025 0.07 0.07 0.07 0.07 0.04 0.04 0.06 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.03	0.01 ARR 0.02 0.02 0.02 0.02 ARR 0SB CDK1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 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 5/23 10.0, 10.0, 10.03 0.03 0.03 0.03 0.03 0.03 0.03 0.0	1) 0.25 0.07 0.08 0.08 0.04 0.06 0.02 0.02 0.02 1) 0.02 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS 0.81 1.0	1.0 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.24 0.06 0.08 0.08 0.09 0.09 0.05 0.05 0.01 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 0.01 0.01	O.02	0.03 0.00, 0.00, 0.00, 0.01, 0.00 0	10.0) 0.24 0.07 0.09 0.05 0.05 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
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/0 - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, 0/0 - kras∆, DNAdam, 0/0 - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/0 - kras∆, DNAdam, chek1i/mk2i - kras∆, DNAdam, chek1i/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	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 0.02 0.06 0.06 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	0.0 10.0, 0 10.0, 0 10.0, 0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.06 10.07 0.07 0.07 0.08 0.00 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03	- 1.0 - 0.8 - 1.0	1.0 DSB O.8 1.0	1.0 38 C SSB,u_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 0.02 0.03 0.07 0.07 0.07 0.04 0.06 0.01 0.02 0.02 0.02 0.02 0.02 0.03	0.01 ATROSB 0.02 0.02 0.02 0.02 0.02 0.02 0.00	O.01 O.02 O.02 O.03 O.04 O.04	0.02 5P3 Fall (10.0) 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1) 0.025 0.03 0.03 0.08 0.08 0.04 0.06 0.02 0.02 0.02 1) 0.02 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 SB_SS O.81 1.0	1.0 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.07 0.24 0.06 0.08 0.08 0.09 0.05 0.05 0.05 0.05 0.02 0.02 0.02 0.02 0.02	CDK1 0.00 0.04 0.04 0.04 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.01	O.02 O.03 O.04 O.04 O.04 O.04 O.00 O.00	0.03 7.0ifera	10.0) 0.24 0.07 0.09 0.05 0.05 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 - 0.6
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam, 0/0 - 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, 0/0 - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_0.81] 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38 C 38 C 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.7 CDC*,u 0.24 0.06 0.06 0.08 0.08 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK11 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	= (1, 0.0 0.	O.O.	0.06 10.07 0.07 0.07 0.08 0.02 0.02 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 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*, u O.02 O.03 O.04 O.05 O.05	0.01 ARROSB 0.02 0.02 0.03 0.02 0.02 0.00 0.00 0.00	O.01 O.02 O.02 O.03 O.04 O.04	0.02 5P3 Foliferation 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 0.01	1) 0.25 0.07 0.08 0.08 0.02 0.02 0.02 0.02 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0	1.0 3% C 38 C 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.06 0.04 0.08 0.09 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.02	O.02 O.04 O.04 O.04 O.04 O.00 O.00	0.03 0.00, 0.00,	10.0) 0.02 0.07 0.09 0.05 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 - 0.6
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/m - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	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 0.24 0.26 0.06 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	(1, 0.0	O.O.	0.06 10.07 0.07 0.07 0.08 0.02 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% CX 2.5SB,u_ 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.23 0.07 0.07 0.07 0.04 0.04 0.06 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	0.01 AR PSB 0.02 0.02 0.02 0.02 0.02 0.02 0.00 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.03 O.04 O.04 O.04 O.04 O.04 O.05 O.05	0.02 583 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 0.00 0.01 0.01 0.01 0.01 0.01 0.01	1) 0.25 0.07 0.08 0.08 0.02 0.02 0.02 0.02 0.02 0.02	[d_D - 1.0 - 0.81 - 1.0 - 1.0	1.0 1.0	1.0 3% C 38	0.06 0.07 0.24 0.06 0.08 0.08 0.09 0.05 0.05 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 O.02 CDK1 O.03 O.04 O.04 O.04 O.00 O.00 O.00 O.00 O.00 O.00 O.01 O.01 O.02 CDK1 O.02 CDK1 O.02 CDK1 O.03	O.02 O.03 O.04 O.04 O.04 O.05 O.05	0.03 0.00, 0.00,	10.0) 0.024 0.07 0.09 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.09 0.09 0.09 0.09 0.09 0.09 0.09	1.0 -0.8 -0.4 -0.2 -0.6 -0.4 -0.2 -0.6 -0.4 -0.2 -0.6
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/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - 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_ 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38	0.06 0.02 0.24 0.26 0.06 0.06 0.08 0.08 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	(10, (10) (1	O.O	0.06 10.07 0.24 0.07 0.07 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	1.0	1.0 DSB	1.0 38 C 38 C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.07 0.07 0.07 0.07 0.04 0.06 0.01 0.02 0.02 0.02 0.02 0.02 0.03 0.03 0.04 0.08 0.08 0.08 0.01 0.025 0.024 0.01	0.01 ARROSB 0.02 0.02 0.02 0.02 0.02 0.00 0.00 0.0	O.01 O.02 O.02 O.03 O.04 O.04 O.04 O.04 O.04 O.05 O.05	0.02 5/23 10.0, 10.0, 10.03 0.03 0.03 0.03 0.03 0.00 0.00 0.0	1) 10.25 10.07 10.03 10.03 10.04 10.04 10.04 10.04 10.02 10.02 10.02 10.02 10.02 10.02 10.02 10.03	[d_D - 0.81 - 1.0 - 1.0	1.0 1.0	1.0 3% C 38	0.06 0.04 0.06 0.08 0.08 0.09 0.05 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 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 0.01 0.02	O.02 O.03 O.04 O.04 O.04 O.05 O.05	O.O.3 O.O.4 O.O.5 O.O.4 O.O.5 O.O.4 O.O.5 O.O.	10.0) 0.024 0.03 0.03 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1.0 -0.8 -0.4 -0.2 -0.6 -0.4 -0.2 -0.6 -0.4 -0.2
wt, no DNAdam - krasΔ, no DNAdam, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - wt, no DNAdam, 0/0 - 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, 0/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/0 - krasΔ, DNAdam, chek1i/mk2i -	1.0 [d_0.81] 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38	0.06 0.24 0.24 0.06 0.06 0.06 0.08 0.08 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	(10, (10) (1	O.O	0.06 0.1) 0.24 0.07 0.07 0.07 0.08 0.02 0.02 0.02 0.02 0.02 0.02 0.03	1.0	1.0 DSB	1.0 38 C 38 C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, u CDC*, u	0.01 ARROSB 0.02 0.02 0.02 0.02 0.00 0.00 0.00 0.0	O.01 O.02 O.02 O.03 O.01 O.01	0.02 5P3	1) 0.025 0.03 0.03 0.08 0.08 0.02 0.02 0.02 0.02 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 1.0	1.0 3% C 38	0.06 0.04 0.06 0.08 0.08 0.09 0.05 0.05 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	CDK1 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 0.01 0.02 0.02	O.02 O.03 O.04 O.04 O.04 O.05 O.05	O.O.3 O.O.4 O.O.5 O.O.4 O.O.5 O.O.4 O.O.5 O.O.	10.0) 0.024 0.03 0.03 0.05 0.02 0.02 0.02 0.02 0.02 0.03 0.09 0.09 0.09 0.09 0.09 0.09	1.0 - 0.8 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2 - 0.6 - 0.4 - 0.2 - 0.6 - 0.6
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/0 - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/mk2i - krasΔ, DNAdam, chek1i/0 - 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 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 DSB_S 0.81 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.0 38	0.06 0.24 0.24 0.06 0.06 0.06 0.08 0.08 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	(10, (10, (10)) (10, (10))	O.O.	0.06 0.024 0.026 0.07 0.03 0.03 0.02 0.02 0.02 0.02 0.02 0.02	I.O	1.0 DSB	1.0 38 C 38 C 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.07 CDC*, 0.07 0.07 0.07 0.07 0.04 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.03 0.04 0.08 0.08 0.01 0.01 0.11 0.11 0.11 0.13	0.01 ARROSB 0.02 0.02 0.02 0.02 0.00 0.00 0.00 0.0	O.01 O.02 O.02 O.01 O.01 O.01 O.01 O.01 O.01 O.01 O.02 O.02	0.02 583	1) 0.07 0.25 0.08 0.08 0.02 0.02 0.02 0.02 0.02 0.02	[d_D - 0.81 - 1.0 - 1.0	1.0 1.0	1.0 38 C	0.06 0.74 0.24 0.06 0.08 0.06 0.09 0.05 0.05 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.01 O.02 O.02 O.03 O.03 O.03 O.03	O.02 O.03 O.04 O.04 O.04 O.00 O.00	O.O.3 O.O.4 O.O.5 O.O.4 O.O.5 O.O.4 O.O.5 O.O.	10.0) 0.24 0.07 0.09 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.011 0.11 0.11	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0