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*All checkpoint and MAP kinase dependent IR genes.*

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**FAST INDUCED**

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NON-CESR

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<i>rad3Δ</i> (6)	<i>sty1Δ</i> (3)	<i>rad3Δ</i> <i>sty1Δ</i> (11)	<i>cds1Δ</i> (0)	<i>chk1Δ</i> (0)
<i>swo1</i>	<i>sti1</i>	<i>swo1</i>		
<i>rhp54</i>	SPBC3B9.01	<i>sti1</i>		
<i>cdt2</i>	SPCC18B5.02c	<i>rhp54</i>		
<i>dinB</i>		<i>dinB</i>		
SPCC290.04		<i>cdt2</i>		
SPAC17H9.18c		SPBC3B9.01		
		SPAC17H9.18c		
		SPCC24B10.20		
		SPBC216.04c		
		SPCC18B5.02c		

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CESR

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<i>rad3Δ</i> (9)	<i>sty1Δ</i> (42)	<i>rad3Δ</i> <i>sty1Δ</i> (61)	<i>cds1Δ</i> (0)	<i>chk1Δ</i> (2)
<i>hsp16</i>	<i>hsp16</i>	<i>hsp16</i>		SPAC23D3.05c
SPAC27D7.09c	SPAC27D7.09c	SPAC27D7.09c		SPBC1773.06c
SPBC1271.08c	SPBC1271.08c	SPBC1271.08c		
<i>cta1</i>	<i>ptc1</i>	SPAC11D3.13		
SPBC1271.07c	<i>psi</i>	SPBC1271.07c		
SPAC25H1.01c	<i>pkal</i>	SPBC11C11.06c		
SPBC1105.13c	SPCP31B10.06	SPBC12C2.04		

SPAC27D7.10c	<i>ntp1</i>	<i>srk1</i>
SPBC215.11c	<i>tps1</i>	SPBC1347.11
	<i>gpd1</i>	SPBC16A3.02c
	<i>bfr1</i>	SPBC16D10.08c
SPACUNK4.16c		SPCC16E9.16c
	<i>cgs1</i>	SPBC1773.06c
	<i>gst2</i>	SPCC191.01
SPCC757.03c		SPAC1E11.03
SPCC736.15		SPAC1F8.04c
SPAC607.08c		SPBC21C3.19
SPCC569.05c		SPAC22F8.05
SPAC513.07		SPAC22H12.01c
SPBC4F6.17c		SPAC23D3.05c
SPBC36.02c		SPBC23G7.10c
SPCC320.02c		SPBC24C6.09c
SPBC30D10.14		SPAC25H1.01c
SPAC2F3.05c		SPAC26F1.07
SPAC2E1P3.01		SPAC26F1.14c
SPAC27D7.11c		SPBC1105.13c
	<i>slt1</i>	SPAC27D7.10c
SPAC26F1.14c		SPAC27D7.11c
SPAC26F1.07		SPBC2A9.02
SPAC26F1.04c		SPAC2E1P3.01
SPAC23D3.05c		SPAC2F3.05c
SPAC22H12.01c		SPBC30D10.14
SPAC22F8.05		SPCC320.02c
SPBC21H7.06c		SPBC4F6.17c
SPBC21C3.19		SPAC513.07
SPCC16E9.16c		<i>tps1</i>
SPBC16D10.08c		SPAC607.08c

SPBC16A3.02c SPBC609.04  
*srk1* SPCC663.06c  
SPBC12C2.04 SPCC663.08c  
*rds1* SPBC725.03  
SPBC11C11.06c SPCC736.15  
SPACUNK4.17 SPCC757.03c  
*gst2*  
*cgs1*  
*ctal*  
SPACUNK4.16c  
SPACUNK4.17  
*gpd1*  
*gpx1*  
*bfr1*  
*meu8*  
*ntp1*  
*obr1*  
SPCP31B10.06  
*pka1*  
*plr*  
*psi*  
*ptc1*  
*rds1*  
*slt1*  
*tms1*

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**FAST REPRESSED**

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*rad3* $\Delta$  (9)

*sty1* $\Delta$  (3)

*rad3* $\Delta$   
*sty1* $\Delta$  (26)

*cds1* $\Delta$  (0)

*chk1* $\Delta$  (17)

<i>exg1</i>	<i>fip1</i>	<i>exg1</i>	<i>exg1</i>
<i>rpc17</i>	<i>rpc17</i>	<i>rpc17</i>	SPAPB1E7.10
SPAPJ760.03c	SPAPJ760.03c	SPAPJ760.03c	SPAPJ760.03c
<i>ace2</i>		SPAPB1A10.14	<i>etd1</i>
SPBC4F6.12		<i>frp1</i>	<i>eng1</i>
SPBC27.05		<i>fip1</i>	<i>cdc15</i>
SPBC27.04		<i>sou1</i>	<i>ace2</i>
SPAC23H4.19		<i>eng1</i>	SPAC644.05c
SPAC15A10.09c		<i>cdc15</i>	SPBC4F6.12
		<i>ace2</i>	SPAC3F10.15c
		SPAC644.05c	SPBC3E7.12c
		SPBC4F6.12	SPBC27.05
		SPBC4F6.09	SPAC19G12.16c
		SPAC3F10.15c	SPAC19B12.02c
		SPBC3E7.12c	SPAC15A10.09c
		SPBC359.05	SPAC11E3.13c
		SPBC27.05	<i>bet1</i>
		SPBC27.04	
		SPAC23H4.19	
		SPAC1F8.03c	
		SPAC19B12.02c	
		SPBC1683.05	
		SPAC15A10.09c	
		SPAC11E3.13c	
		SPAC1142.05	

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**SLOW INDUCED**

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NON-CESR

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<b><i>rad3Δ</i></b> (9)	<b><i>sty1Δ</i></b> (5)	<b><i>rad3Δ</i></b> <b><i>sty1Δ</i></b> (10)	<b><i>cds1Δ</i></b> (0)	<b><i>chk1Δ</i></b> (0 (1))
SPCC965.14c	SPAC186.01	SPAC17H9.18c		( <i>swo1</i> )
SPAC17H9.18c	SPCC18B5.02c	SPCC18B5.02c		
SPAC186.01	SPCC965.14c	SPCC290.04		
SPBC21B10.13c	SPBC21B10.13c	SPBC21B10.13c		
SPCC285.04	<i>cdc18</i>	SPAC29B12.13		
<i>dinB</i>		<i>dinB</i>		
<i>cdc18</i>		SPCC965.14c		
<i>cdt2</i>		<i>cdc18</i>		
<i>rhp51</i>		<i>cdt2</i>		
		<i>rhp51</i>		

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CESR

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<b><i>rad3Δ</i></b> (4 (3))	<b><i>sty1Δ</i></b> (7)	<b><i>rad3Δ</i></b> <b><i>sty1Δ</i></b> (9 (1))	<b><i>cds1Δ</i></b> (0 (1))	<b><i>chk1Δ</i></b> (0 (19))
SPBC1271.07c	SPBC1271.07c	SPBC1271.07c	( <i>rds1</i> )	( <i>tps1</i> )
SPAC4H3.08	SPAC4H3.08	SPAC4H3.08		( <i>slt1</i> )
<i>ppr1</i>	SPBC21C3.19	<i>gst2</i>		(SPBC16D10.08c)
SPBC1271.08c	SPACUNK4.17	SPBC1271.08c		( <i>srk1</i> )
( <i>rds1</i> )	<i>gpx1</i>	<i>cta1</i>		( <i>rds1</i> )
( <i>cgs1</i> )	SPCP31B10.06	SPAC27D7.11c		( <i>psi</i> )
( <i>srk1</i> )	<i>tms1</i>	SPAC27D7.09c		( <i>pka1</i> )
		SPAC513.02		( <i>hsp16</i> )
		<i>tms1</i>		(SPACUNK4.16c)
		( <i>rds1</i> )		( <i>cta1</i> )
				( <i>cgs1</i> )
				(SPBC725.10)
				(SPBC4F6.17c)
				(SPAC2F3.05c)

(SPAC2E1P3.01)  
 (SPAC27D7.10c)  
 (SPAC22F8.05)  
 (SPBC21C3.19)  
 (SPBC1711.12)

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SLOW REPRESSED

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<i>rad3Δ</i> (19 (1))	<i>sty1Δ</i> (1 (1))	<i>rad3Δ</i> <i>sty1Δ</i> (22)	<i>cds1Δ</i> (1 (3))	<i>chk1Δ</i> (12 (1))
SPBC30B4.05	SPBC30B4.05	SPBC30B4.05	SPBC30B4.05	SPBC30B4.05
SPAPYUG7.03c	(SPBC27.04)	SPAC11E3.13c	( <i>h4.2</i> )	<i>sap1</i>
SPAPJ760.03c		SPBC1709.12	( <i>frp1</i> )	SPAPYUG7.03c
SPAPB1E7.10		SPCC18.01c	(SPAC1F8.03c)	SPAPJ760.03c
<i>h4.2</i>		SPAC19G12.16c		SPAPB1E7.10
<i>exg1</i>		SPAC1F8.03c		<i>h4.2</i>
<i>eng1</i>		SPBC27.04		<i>exg1</i>
<i>ace2</i>		SPBC27.05		<i>eng1</i>
SPBC3E7.12c		<i>bet1</i>		<i>ace2</i>
<i>sap1</i>		SPBC359.02		SPBC3E7.12c
SPBC2A9.07c		SPBC3E7.12c		<i>spd1</i>
SPBC27.05		SPBC4F6.09		SPBC27.05
SPBC27.04		<i>ace2</i>		( <i>sou1</i> )
SPAC19G12.16c		<i>exg1</i>		
SPCC18.01c		<i>fip1</i>		
SPBC1709.12		<i>frp1</i>		
SPAC11E3.13c		SPAPB1E7.10		
<i>bet1</i>		SPAPJ760.03c		
<i>spd1</i>		SPAPYUG7.03c		
SPAC343.20		<i>sap1</i>		
( <i>sou1</i> )		<i>spd1</i>		

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(genes in brackets are those whose level of modulation is increased in the mutant relative to WT)