

SUPPLEMENTARY TABLES**Supplementary Table S1: Statistical analysis of U87 cell cycle**

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
1 X	Control V Dasatinib	NS		Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	0.001		Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001
	Control V Combo	0.001		Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.01	Control V Combo	0.001
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.0001					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
S	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
	Control V Crizotinib	0.001	Control V Crizotinib	0.01	Control V Crizotinib	NS	Control V Crizotinib	0.001	Control V Crizotinib	NS	
	Control V Combo	0.01	Control V Combo	0.05	Control V Combo	NS	Control V Combo	0.01	Control V Combo	NS	
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					NS (0.23)					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
2 X	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	0.05	
	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	
	Source of variation					P value					
	Drug					NS (0.057)					
	Time					≤ 0.001					
	Interaction					≤ 0.0001					

(Continued)

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
T	Control V Dasatinib	NS		Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	NS		Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	0.01	Control V Crizotinib	NS
	Control V Combo	NS		Control V Combo	NS	Control V Combo	NS	Control V Combo	0.01	Control V Combo	0.01
	Source of variation					P value					
	Drug					≤ 0.0001					
4 X	Time					≤ 0.0001					
	Interaction					≤ 0.0001					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
T	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	
	Control V Combo	0.05	Control V Combo	0.001	Control V Combo	0.01	Control V Combo	0.001	Control V Combo	0.001	
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
T	Interaction					≤ 0.0001					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
	Control V Crizotinib	NS	Control V Crizotinib	0.05	Control V Crizotinib	0.001	Control V Crizotinib	0.01	Control V Crizotinib	0.001	
T	Control V Combo	NS	Control V Combo	NS	Control V Combo	0.001	Control V Combo	NS	Control V Combo	NS	
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.05					

(Continued)

8X	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	NS	Control V Crizotinib	NS0	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001
	Control V Combo	NS	Control V Combo	NS	Control V Combination	0.001	Control V Combo	0.001	Control V Combo	0.001
	Source of variation					P value				
	Drug					≤ 0.0001				
	Time					≤ 0.0001				
	Interaction					≤ 0.0001				

X denotes the quantity of DNA in the G1 phase of the cell cycle. 2X corresponds to the G2M phase while 4X and 8X to tetraploid and octoploid cells. S denotes DNA synthesis phase and T denotes transitional phase between the diploid, tetraploid and octoploid phases. Combo denotes combination and NS non-significant.

Supplementary Table S2: Statistical analysis of LN-18 cell cycle

1X	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001
	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001
	Source of variation					P value				
	Drug					≤ 0.0001				
	Time					≤ 0.0001				
	Interaction					NS (0.082)				
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	

S	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	0.01	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	0.05	Control V Crizotinib	NS
	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS
	Source of variation					P value				
	Drug					≤ 0.0001				
	Time					NS (0.053)				
	Interaction					≤ 0.0001				
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	

(Continued)

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
2 X	Control V Dasatinib	NS		Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	0.001		Control V Crizotinib	0.01	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS
	Control V Combo	0.001		Control V Combo	0.01	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.0001					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
T	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	
	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	0.05	Control V Combo	0.05	
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					NS (0.097)					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
4 X	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	
	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.0001					

(Continued)

	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
T	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001
	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	0.001	Control V Combo	0.001
	Source of variation					P value				
	Drug					≤ 0.0001				
	Time					≤ 0.0001				
	Interaction					≤ 0.0001				
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
8X	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001
	Control V Combo	NS	Control V Combo	NS	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001
	Source of variation					P value				
	Drug					≤ 0.0001				
	Time					NS (0.56)				
	Interaction					≤ 0.001				

X denotes the quantity of DNA in the G1 phase of the cell cycle. 2X corresponds to the G2M phase while 4X and 8X to tetraploid and octoploid cells. S denotes DNA synthesis phase and T denotes transitional phase between the diploid, tetraploid and octoploid phases. Combo denotes combination and NS non-significant.

Supplementary Table S3: Statistical analysis of U373 cell cycle

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
1 X	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib
	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib
	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	Control V Combo
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.0001					
			48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment
S	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	0.05	Control V Dasatinib	NS	Control V Dasatinib	0.001	Control V Dasatinib
	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib
	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	0.01	Control V Combo
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.0001					
			48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment
2 X	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib
	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib
	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.05	Control V Combo	NS	Control V Combo	NS	Control V Combo
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.0001					

(Continued)

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
T	Control V Dasatinib	NS		Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	NS		Control V Crizotinib	NS	Control V Crizotinib	0.05	Control V Crizotinib	0.001	Control V Crizotinib	0.05
	Control V Combo	NS		Control V Combo	NS	Control V Combo	0.05	Control V Combo	0.001	Control V Combo	NS
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.0001					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
4 X	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	
	Control V Combo	0.01	Control V Combo	0.01	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001	
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.05					
	Interaction					≤ 0.0001					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
T	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
	Control V Crizotinib	0.01	Control V Crizotinib	0.01	Control V Crizotinib	0.001	Control V Crizotinib	0.05	Control V Crizotinib	0.001	
	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	0.001	
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.005					
	Interaction					≤ 0.05					

(Continued)

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
8 X	Control V Dasatinib	NS		Control V Dasatinib	NS						
	Control V Crizotinib	0.001		Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.01	Control V Crizotinib	0.001
	Control V Combo	0.01		Control V Combo	0.01	Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.001
		Source of variation				P value					
		Drug				≤ 0.0001					
		Time				≤ 0.0001					
		Interaction				≤ 0.01					

X denotes the quantity of DNA in the G1 phase of the cell cycle. 2X corresponds to the G2M phase while 4X and 8X to tetraploid and octoploid cells. S denotes DNA synthesis phase and T denotes transitional phase between the diploid, tetraploid and octoploid phases. Combo denotes combination and NS non-significant.

Supplementary Table S4: Statistical analysis of A172 cell cycle

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
1 X	Control V Dasatinib	NS		Control V Dasatinib	NS						
	Control V Crizotinib	0.001		Control V Crizotinib	0.001						
	Control V Combo	0.001		Control V Combo	0.001	Control V Combo	NS	Control V Combo	0.001	Control V Combo	0.001
		Source of variation				P value					
		Drug				≤ 0.0001					
		Time				≤ 0.01					
		Interaction				≤ 0.0001					
		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
S	Control V Dasatinib	0.01		Control V Dasatinib	NS						
	Control V Crizotinib	NS		Control V Crizotinib	0.001	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS
	Control V Combo	NS		Control V Combo	0.001	Control V Combo	0.001	Control V Combo	0.01	Control V Combo	NS
		Source of variation				P value					
		Drug				≤ 0.01					
		Time				≤ 0.0001					
		Interaction				≤ 0.0001					

(Continued)

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
2 X	Control V Dasatinib	NS		Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	0.001		Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001	Control V Crizotinib	0.001
	Control V Combo	0.001		Control V Combo	0.001	Control V Combo	NS	Control V Combo	0.001	Control V Combo	0.05
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					≤ 0.0001					
	Interaction					≤ 0.0001					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
T	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	
	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	
	Source of variation					P value					
	Drug					≤ 0.05					
	Time					≤ 0.0001					
	Interaction					NS (0.91)					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
4 X	Control V Crizotinib	NS	Control V Crizotinib	0.001	Control V Crizotinib	0.01	Control V Crizotinib	0.001	Control V Crizotinib	0.001	
	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	0.01	Control V Combo	0.01	
	Source of variation					P value					
	Drug					≤ 0.0001					
	Time					NS (0.108)					
	Interaction					≤ 0.01					

(Continued)

		48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout	
		Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)
T	Control V Dasatinib	NS		Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS
	Control V Crizotinib	0.05		Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS
	Control V Combo	0.05		Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS
	Source of variation					P value					
	Drug					NS (0.065)					
	Time					≤ 0.0001					
	Interaction					NS (0.36)					
	48 hours		72 hours		24 hour washout		48 hour washout		72 hour washout		
	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	Treatment	P (\leq)	
8X	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	Control V Dasatinib	NS	
	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	Control V Crizotinib	NS	
	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	Control V Combo	NS	
	Source of variation					P value					
	Drug					NS (0.22)					
	Time					≤ 0.01					
	Interaction					NS (0.64)					

X denotes the quantity of DNA in the G1 phase of the cell cycle. 2X corresponds to the G2M phase while 4X and 8X to tetraploid and octoploid cells. S denotes DNA synthesis phase and T denotes transitional phase between the diploid, tetraploid and octoploid phases. Combo denotes combination and NS non-significant.