

**Table S1 Compounds with high resistance rates after prolonged growth**

<b>Compounds</b>	<b><i>msh2</i>Δ Lag Phase (hours)</b>	<b>Notes</b>
NSC 1011	41	1st NIH Screen
Celastrol	24	1st NIH Screen
Actinomycin D	36	2 <sup>nd</sup> NIH Screen
Camptothecin	39	2 <sup>nd</sup> NIH Screen
Daunorubicin	29	2 <sup>nd</sup> NIH Screen
Mitoxantrone	>24	3 <sup>rd</sup> Screen
Exemestane	>24	3 <sup>rd</sup> Screen
Mechlorethamine	>24	3 <sup>rd</sup> Screen
Hexestrol	>24	3 <sup>rd</sup> Screen
Doxorubicin	>24	3 <sup>rd</sup> Screen
Cinnarizine	>24	3 <sup>rd</sup> Screen
Doxycycline	>24	3 <sup>rd</sup> Screen
Aphidicolin	>24	3 <sup>rd</sup> Screen
YC-1	>24	3 <sup>rd</sup> Screen
Myriocin	>24	3 <sup>rd</sup> Screen
Cerulenin	>24	3 <sup>rd</sup> Screen
Perillic Acid	>24	3 <sup>rd</sup> Screen
Brefeldin A	>24	3 <sup>rd</sup> Screen
MST-312	>24	3 <sup>rd</sup> Screen