

**Table S2 Compounds with a mismatch repair specific resistance phenotype**

<b>Compounds</b>	<b><i>msh2</i>Δ Lag Phase (hours)</b>	<b>Screen</b>
Thiallipticine	17	1st NIH Screen
NSC 116339	18	1st NIH Screen
Confertifoline	13	2 <sup>nd</sup> NIH Screen
Etoposide	<24	3 <sup>rd</sup> Screen
Dacarbazine	<24	3 <sup>rd</sup> Screen
Fluorouracil	<24	3 <sup>rd</sup> Screen
Piperine	<24	3 <sup>rd</sup> Screen
Formestane	<24	3 <sup>rd</sup> Screen
Estramustine	<24	3 <sup>rd</sup> Screen