

SUPPLEMENTARY INFORMATION

Identification and characterization of the antiplasmodial activity of Hsp90 inhibitors

Claribel Murillo-Solano, Chunmin Dong, Cecilia G. Sanchez and Juan C. Pizarro

Figure S1

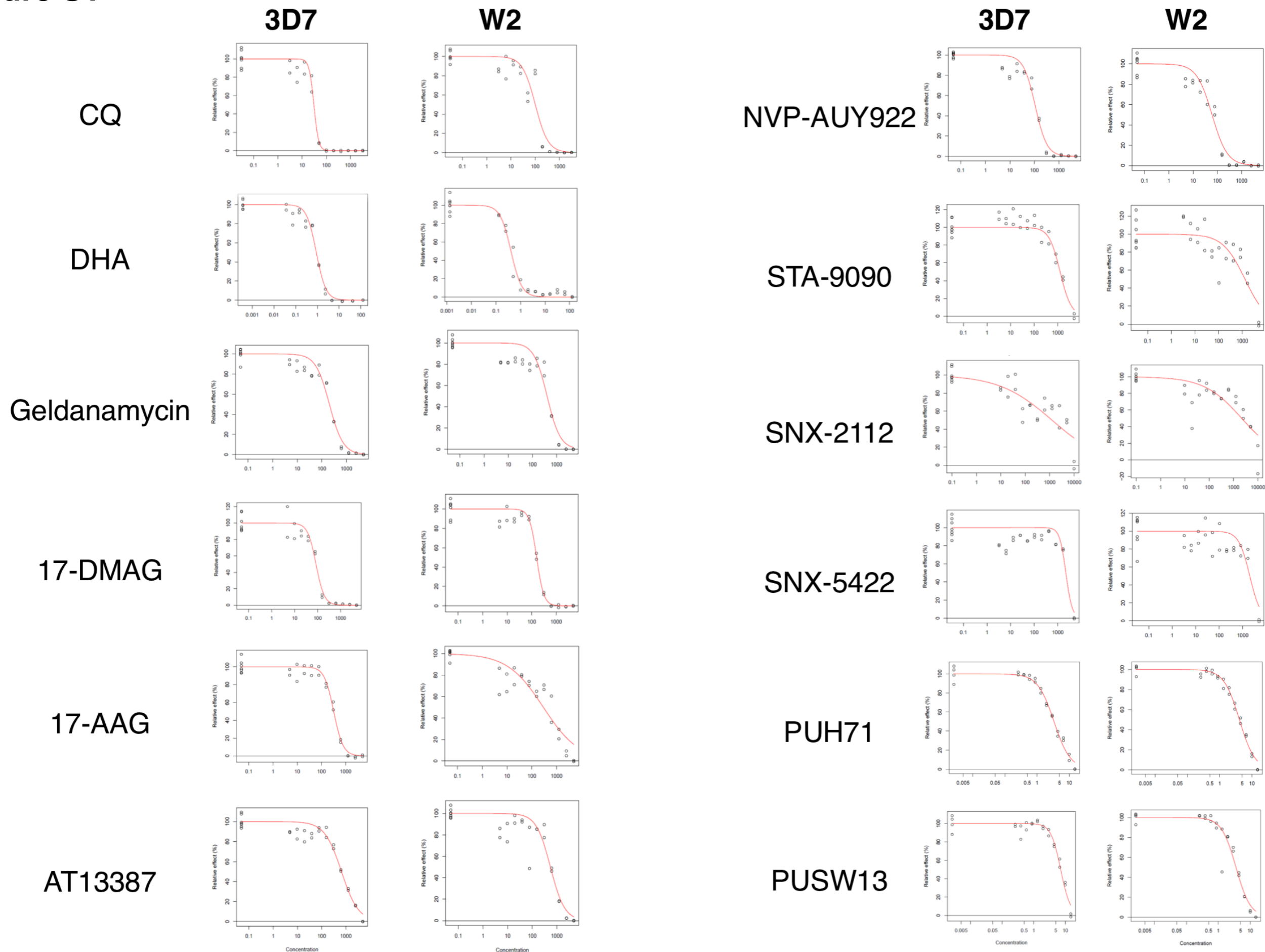


Figure S1. Dose response curves of different Hsp90 inhibitors against *P. falciparum* 3D7 and W2.

Figure S2

105 0	105 15	105 30	105 45	105 60	105 75	105 90	105 105
90 0	90 15	90 30	90 45	90 60	90 75	90 90	90 105
75 0	75 15	75 30	75 45	75 60	75 75	75 90	75 105
60 0	60 15	60 30	60 45	60 60	60 75	60 90	60 105
45 0	45 15	45 30	45 45	45 60	45 75	45 90	45 105
30 0	30 15	30 30	30 45	30 60	30 75	30 90	30 105
15 0	15 15	15 30	15 45	15 60	15 75	15 90	15 105
0 0	0 15	0 30	0 45	0 60	0 75	0 90	0 105

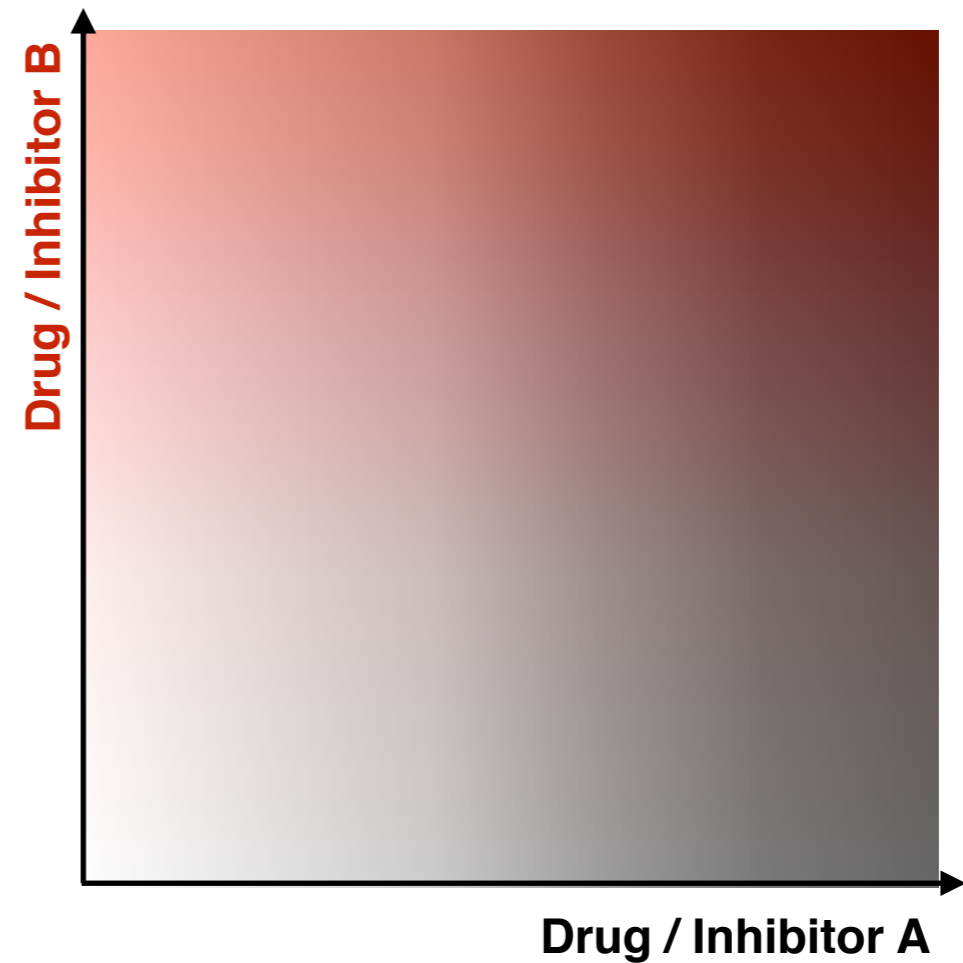


Figure S2. Plate configuration for the Hsp90 inhibitor / antimalarial drug interaction assays. The concentrations on the left are expressed as a percentage of the IC_{50} of the compound or antimalarial drug.

Figure S3

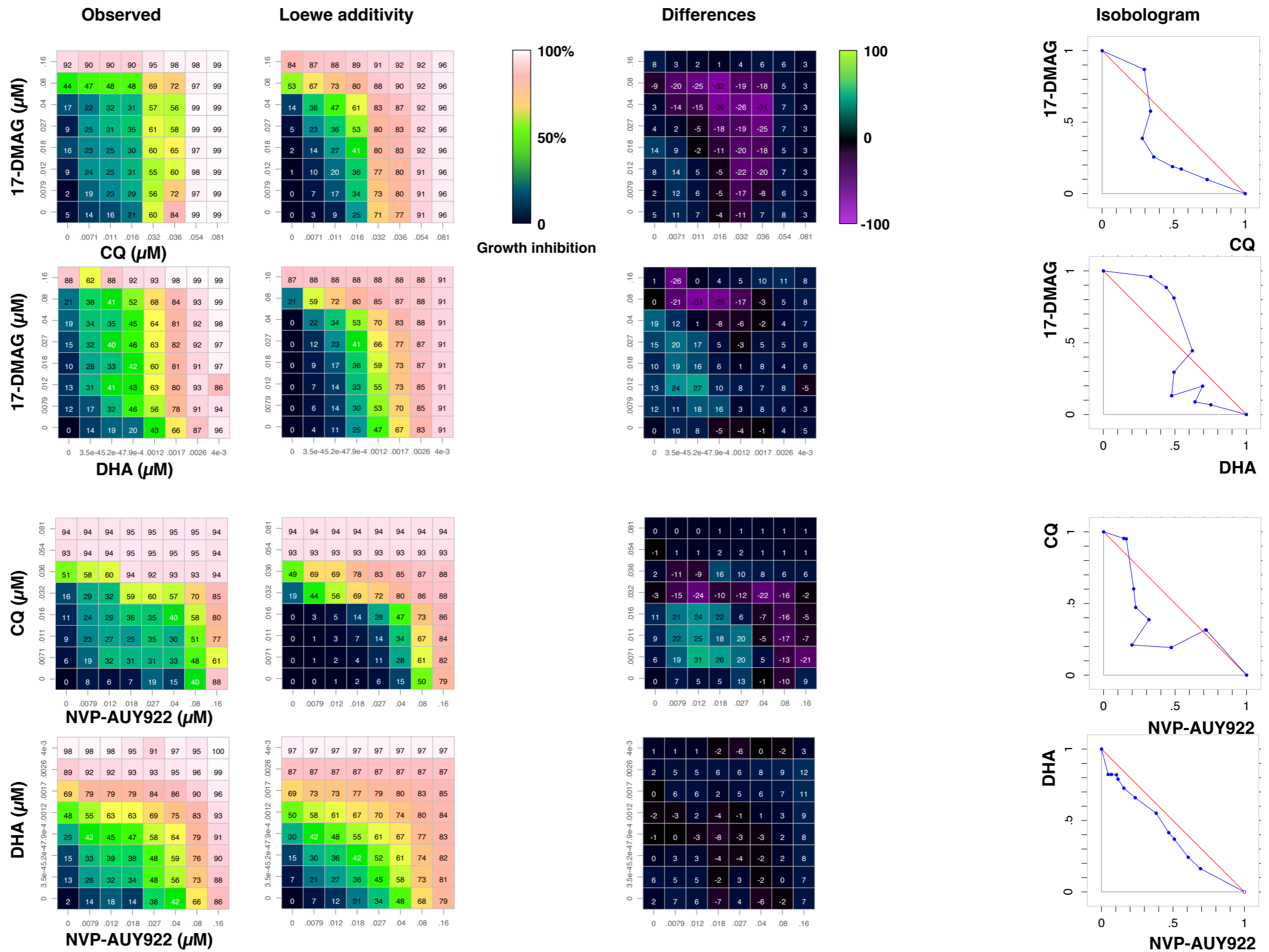


Figure S3. Hp90 and antimalarial drug combination assays for *P. falciparum* 3D7 strain. On the left the average of two growth inhibition experiments, the Loewe additivity expected values and the differences between the observed data and the model. On the right isobolograms obtained with the isobole line in red. The area below the red line represent synergistic interaction, above antagonistic and around it no-interaction (additive).

Figure S4

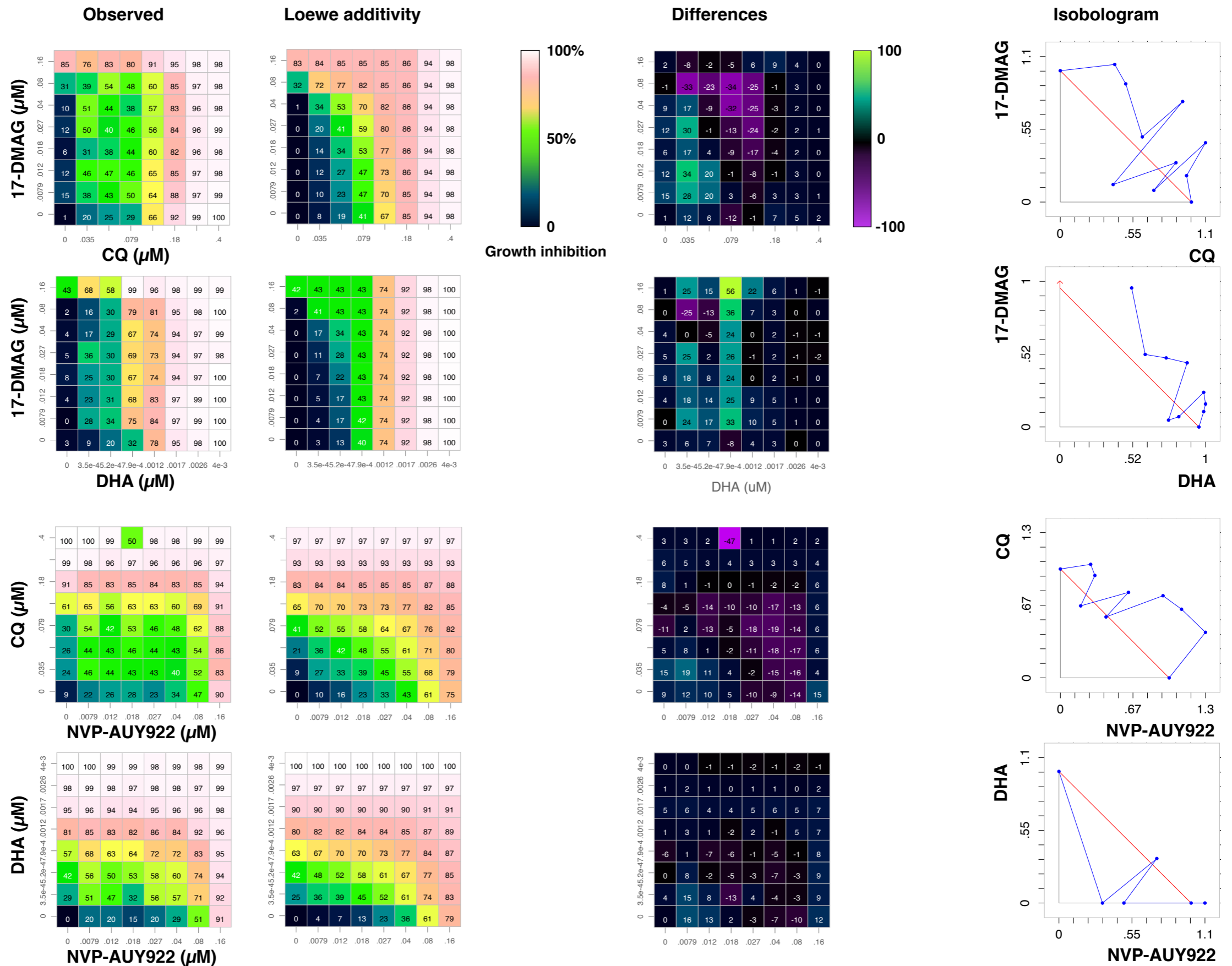


Figure S4. Hp90 and antimalarial drug combination assays for *P. falciparum* W2 strain. On the left the average of two growth inhibition experiments, the Loewe additivity expected values and the differences between the observed data and the model. On the right isobolograms obtained with the isobole line in red. The area below the red line represent synergistic interaction, above antagonistic and around it no-interaction (additive).

Figure S5

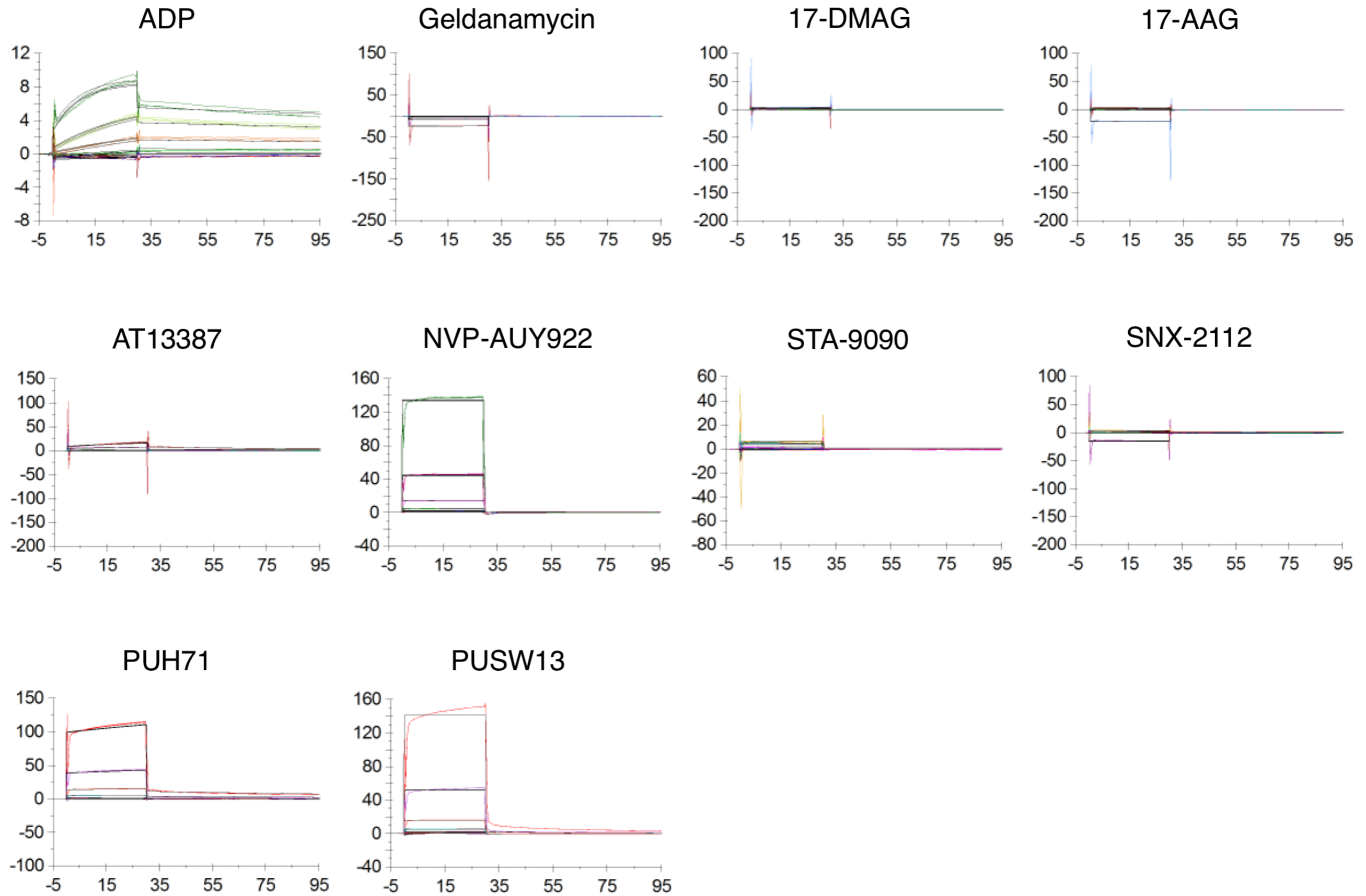


Figure S5. *P. falciparum* Hsp90 sensorgrams of the interaction between the parasite NTD against ADP and Hsp90 inhibitors.

Figure S6

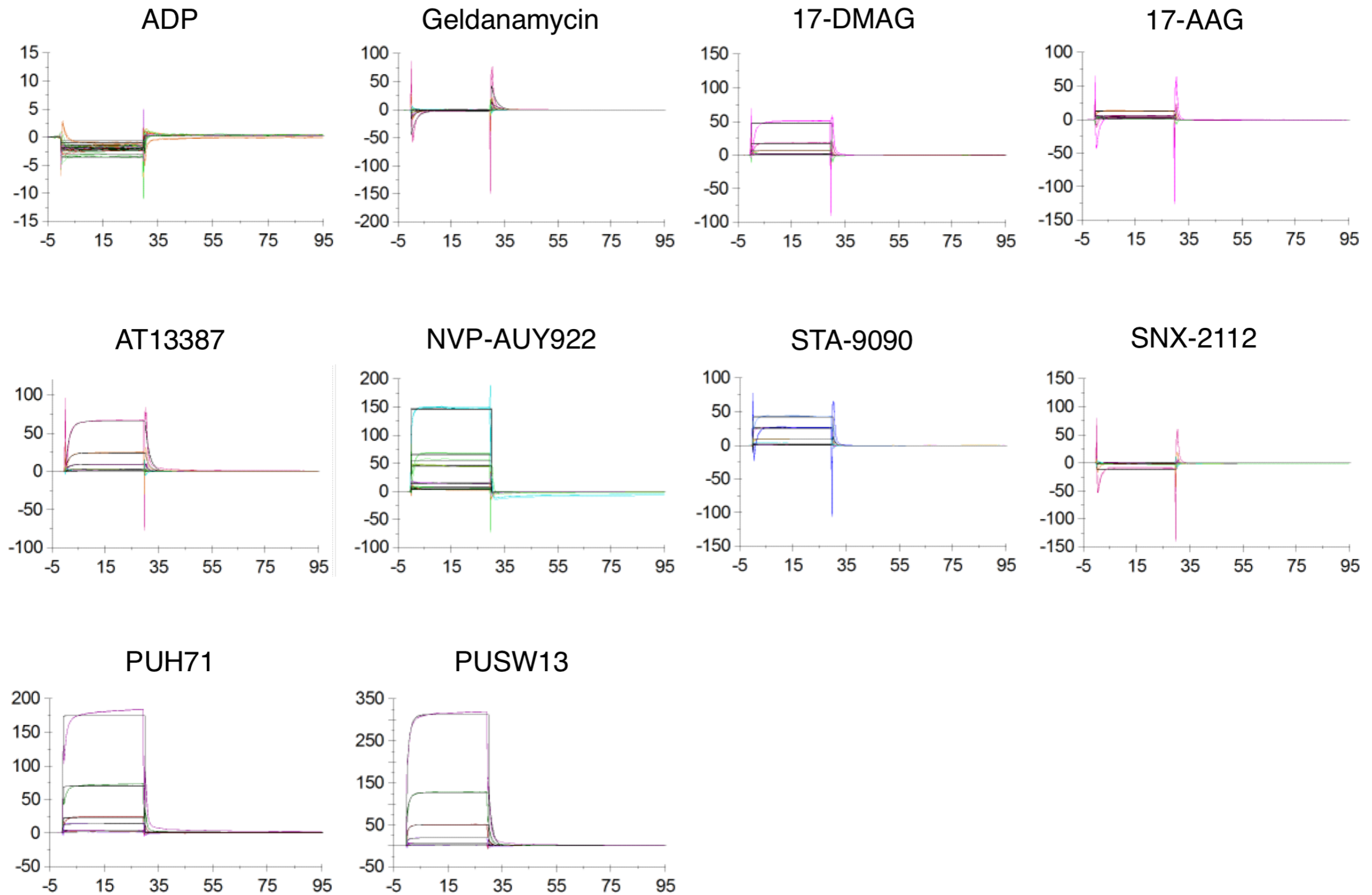


Figure S6. *P. falciparum* Grp94 sensorgrams of the interaction between the parasite NTD against ADP and Hsp90 inhibitors.

Figure S7

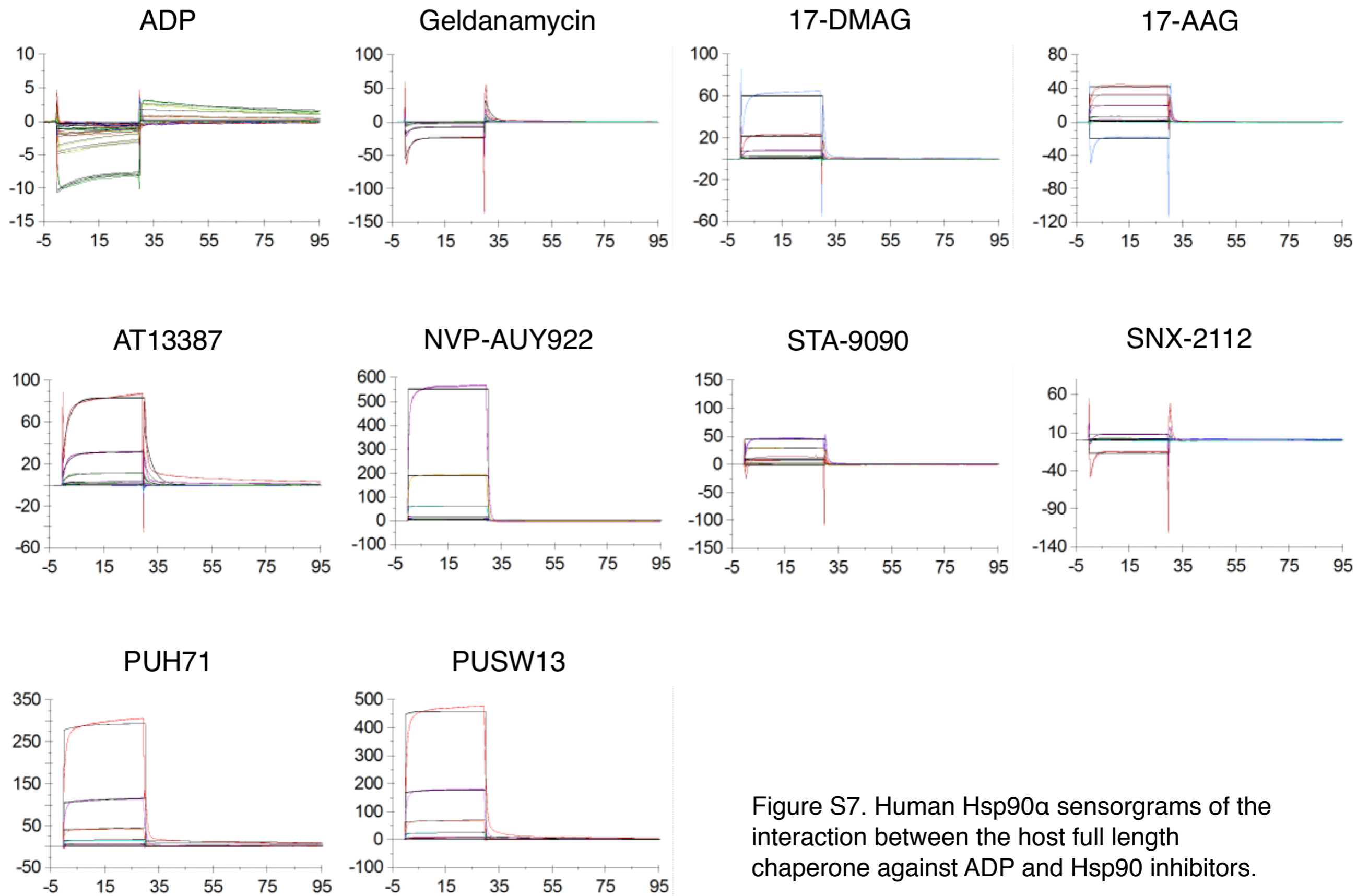


Figure S7. Human Hsp90 α sensorgrams of the interaction between the host full length chaperone against ADP and Hsp90 inhibitors.