

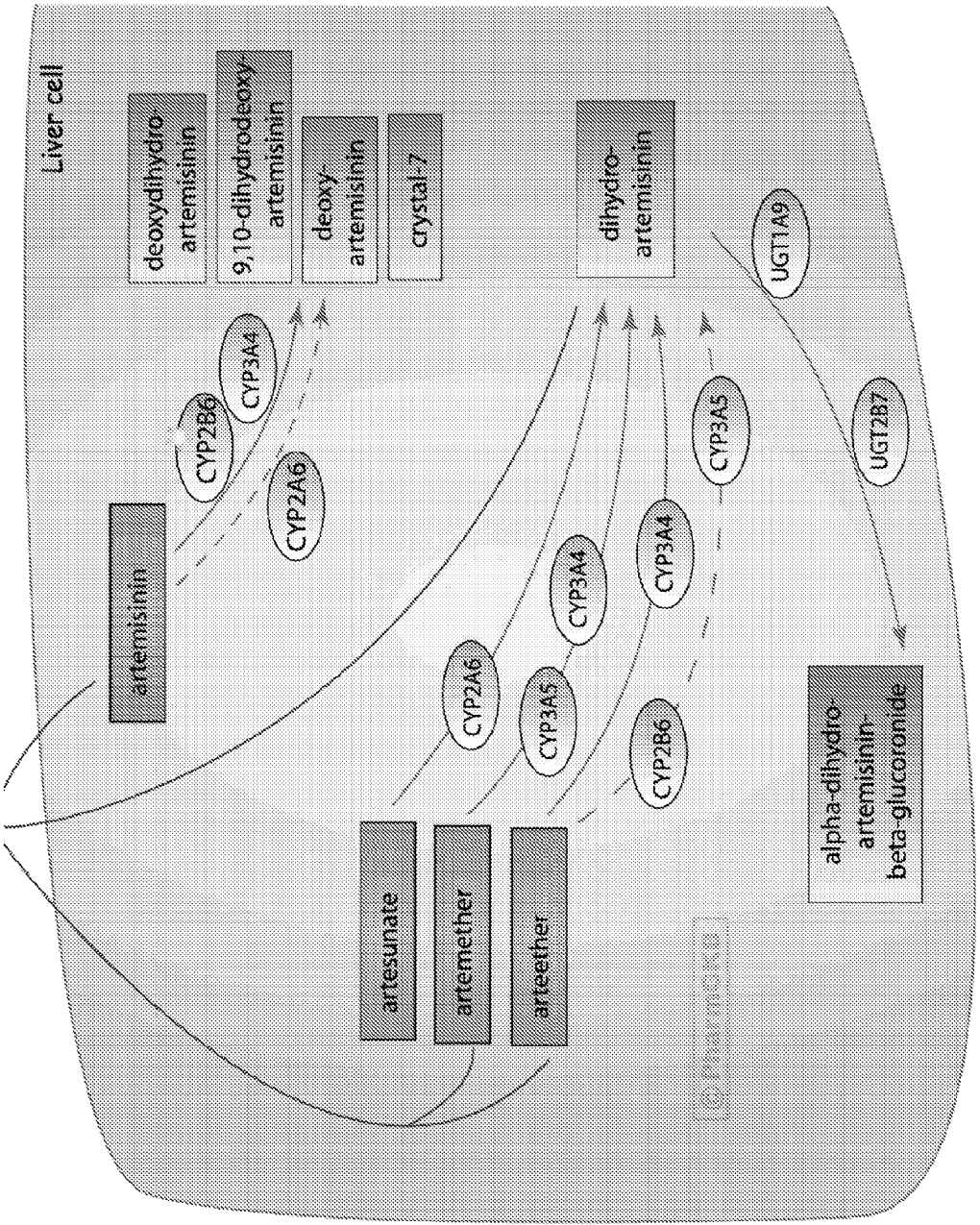


FIG. 1

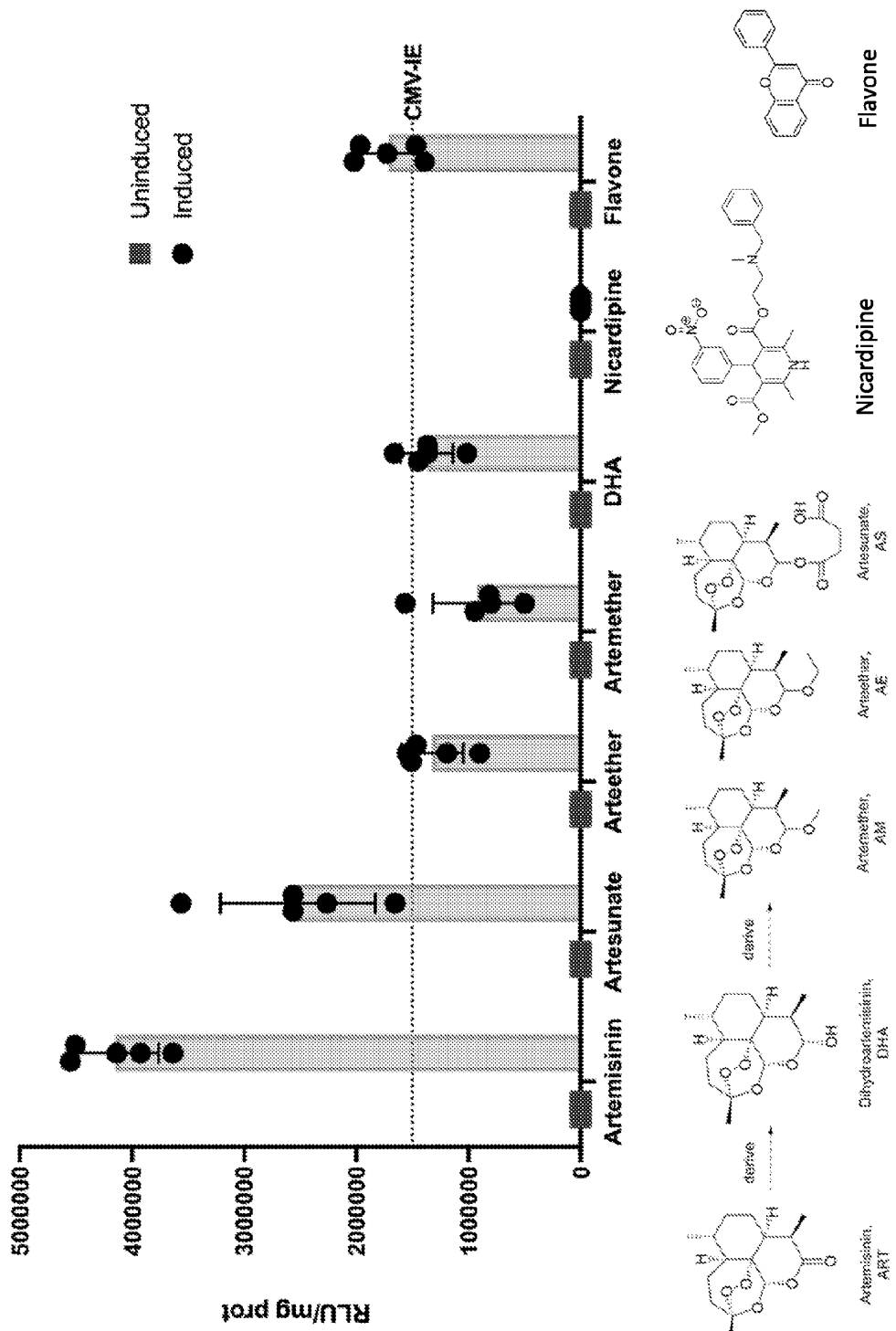


FIG. 2

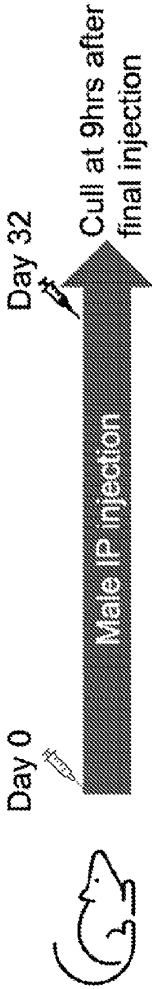


FIG. 3A

Live imaging: >300-fold induction

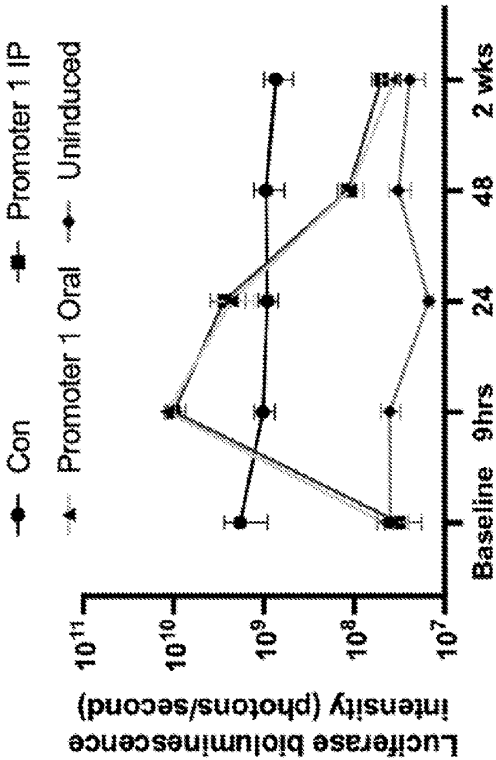


FIG. 3B

Ex vivo: >2,000-fold induction

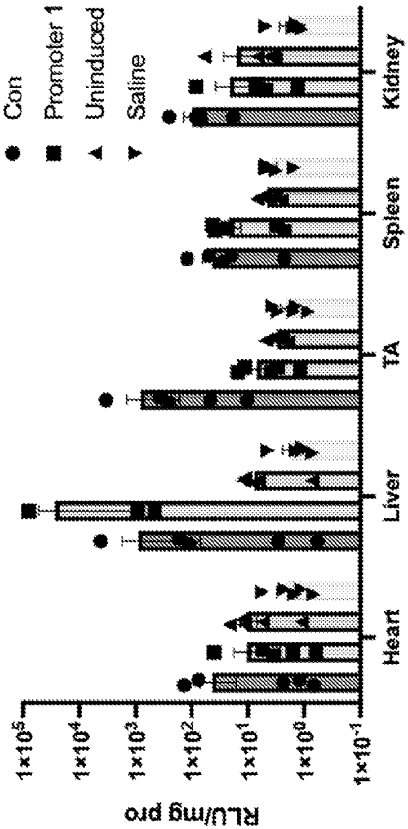


FIG. 3C

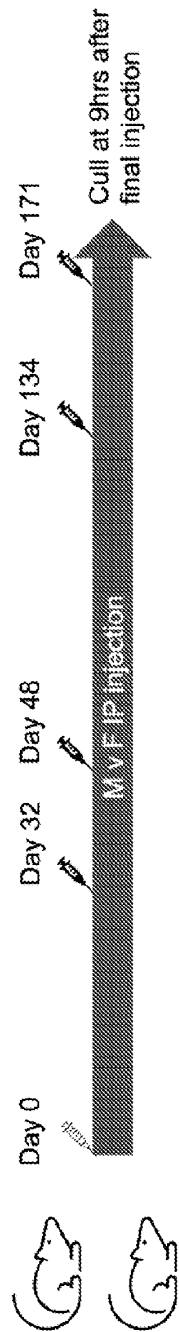


FIG. 4A

Live imaging: 300- 3000-fold induction

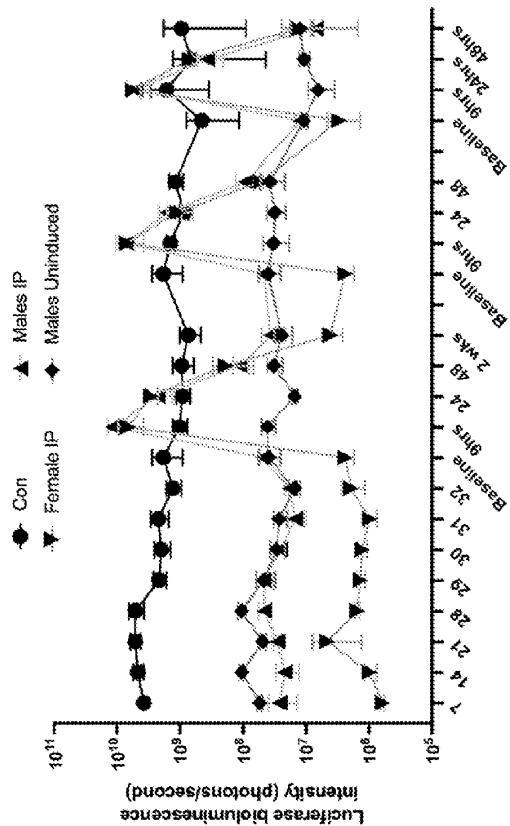


FIG. 4B

Ex vivo: 4,000 – 11,000-fold induction

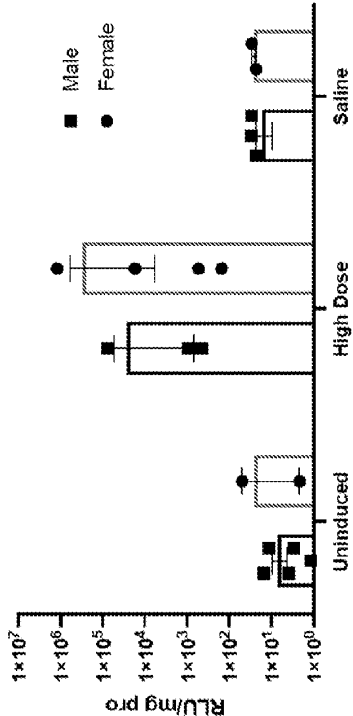


FIG. 4C

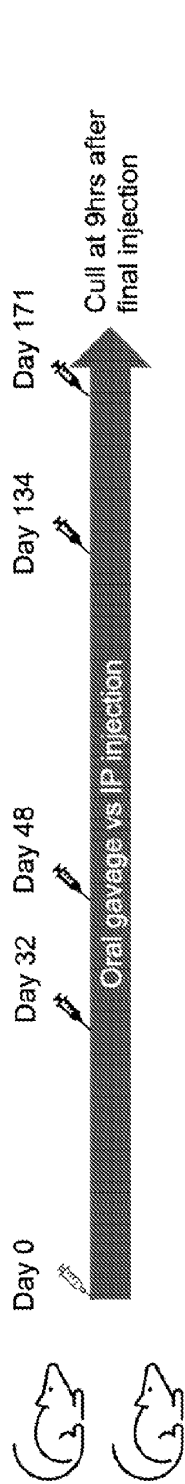


FIG. 5A

Live imaging: >300-fold induction

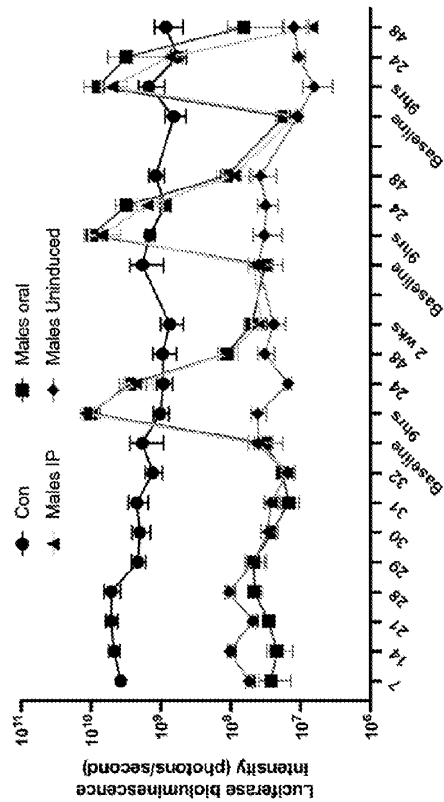


FIG. 5B

Ex vivo: 100 - 4,000-fold induction

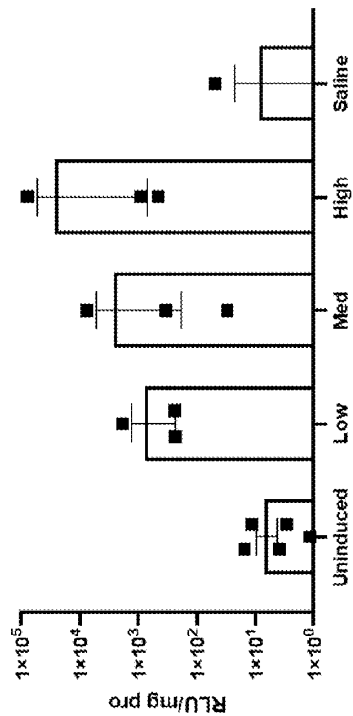
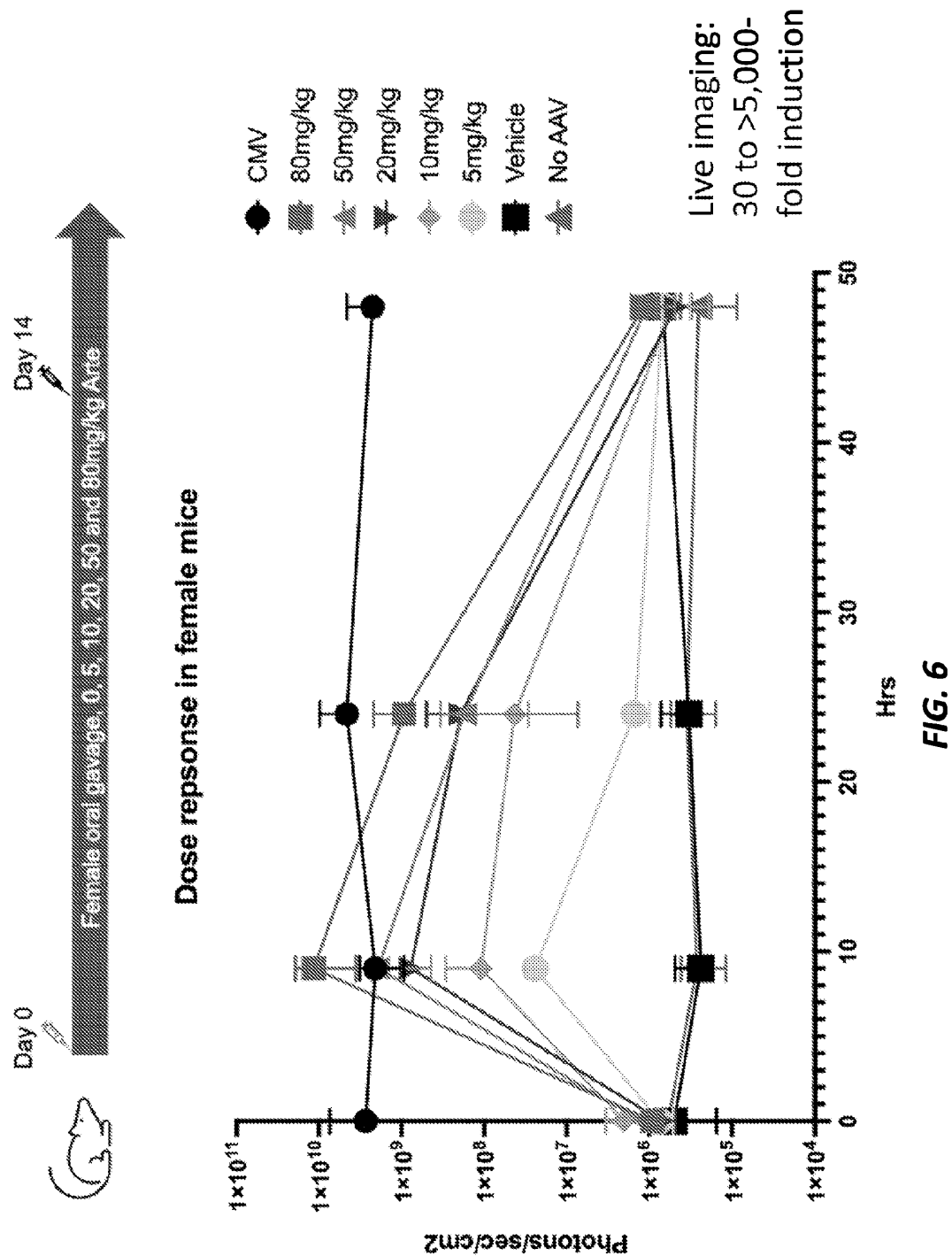
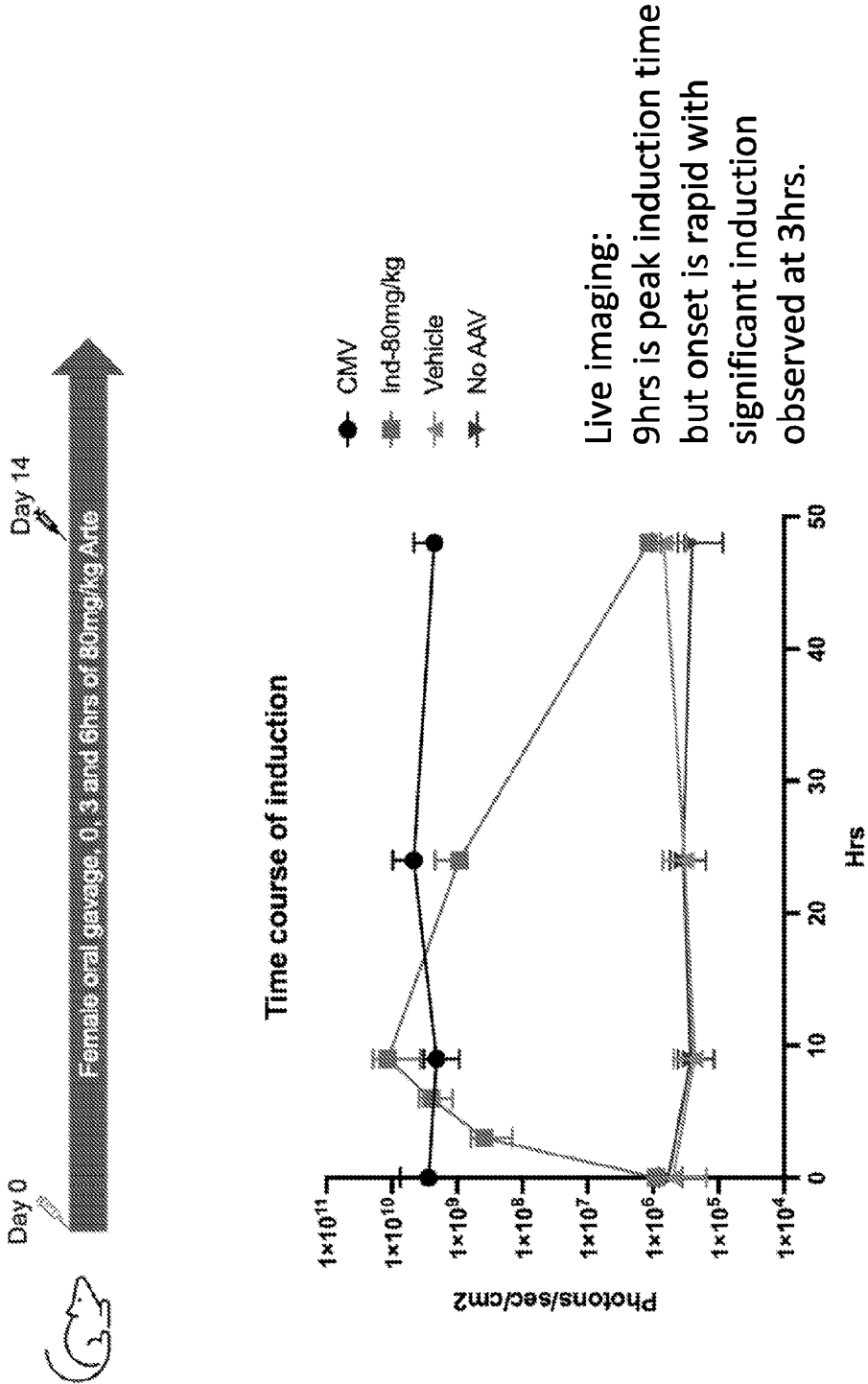


FIG. 5C





Live imaging:
9hrs is peak induction time
but onset is rapid with
significant induction
observed at 3hrs.

FIG. 7

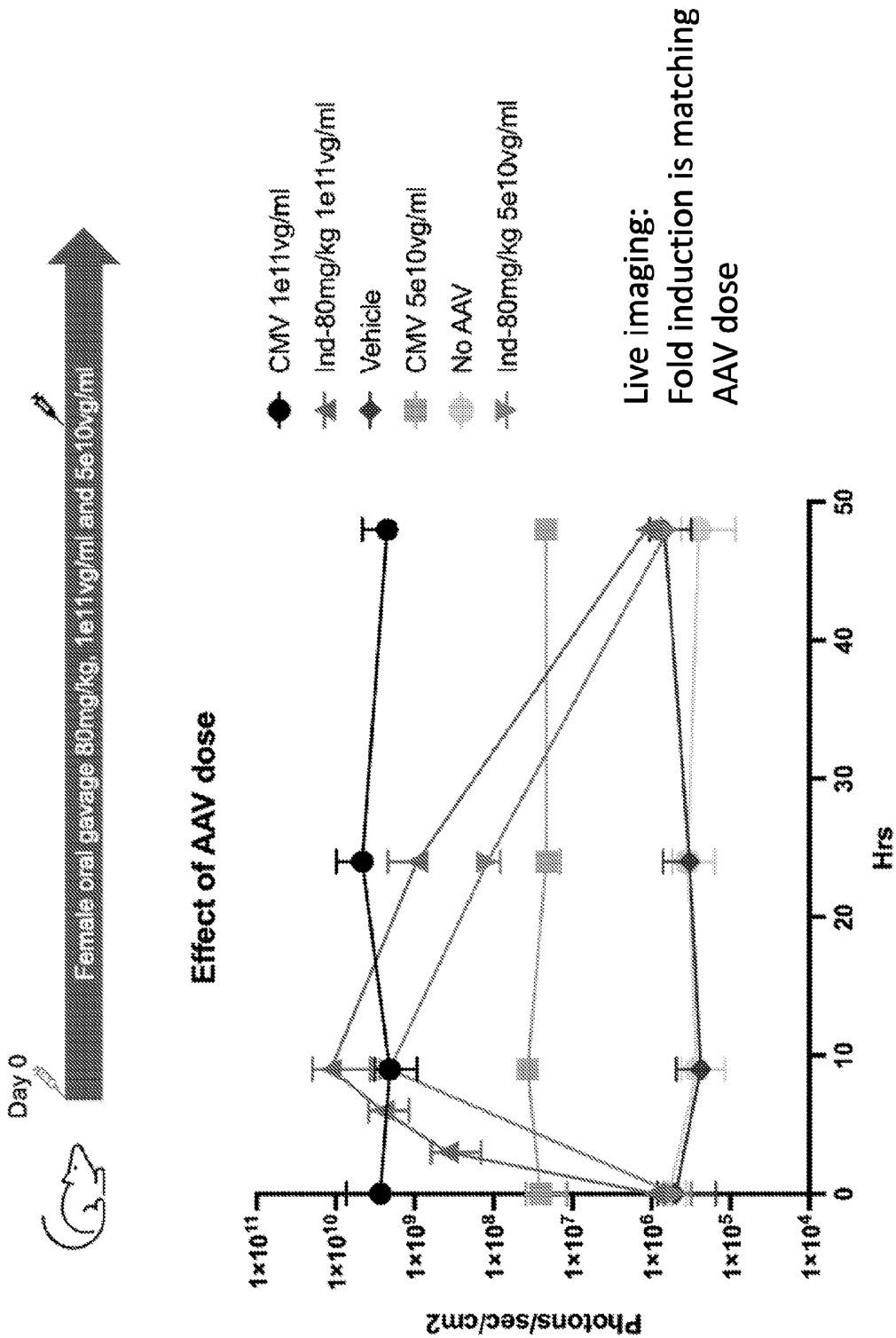


FIG. 8

Groups	Dose vg/kg	No of NHPs	Transgene	AAV	Drug/Route	Analytics
Control Promoter	1x10 ¹³	2 (1M, 1F)	Chorionic Gonadotropin	9	IP-80mg/kg	ELISA of serum
Inducible Promoter	1x10 ¹³	4 (2M, 2F)	Chorionic Gonadotropin	9	IP-80mg/kg	ELISA of serum
Negative	Zero	2 (1M, 1F)	N/A	N/A	N/A	ELISA of Serum

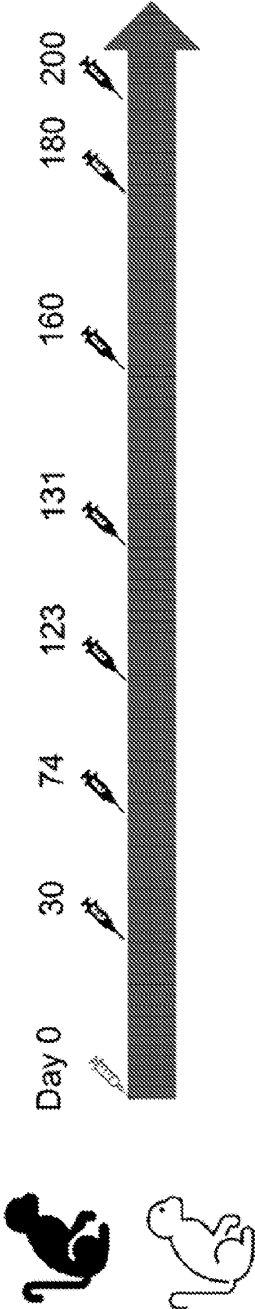


FIG. 9

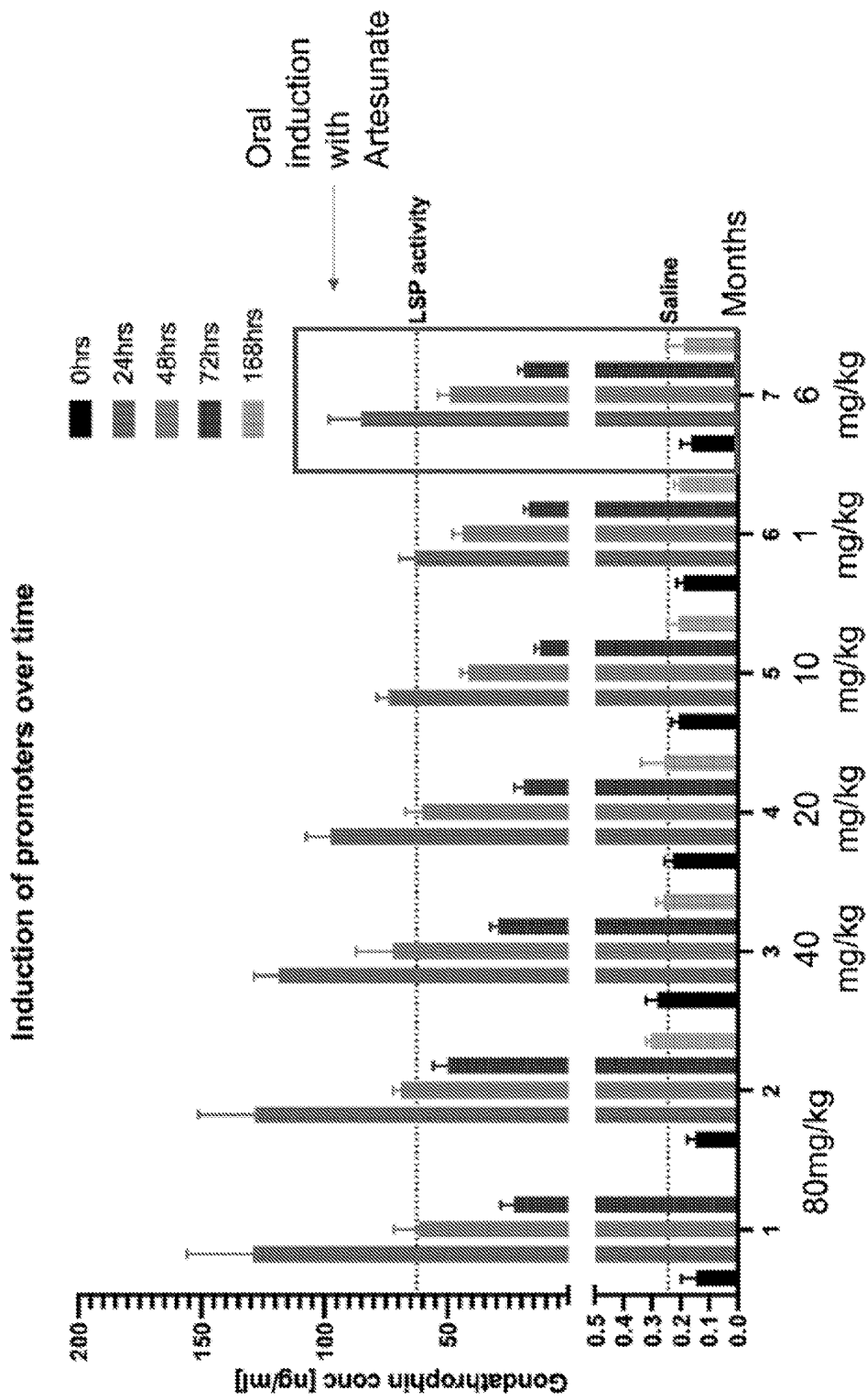


FIG. 10

Groups	Dose vg/kg	No of NHPs	Transgene	AAV	Drug/Route	Analytics
Control Promoter	1x10 ¹³	2 (1M, 1F)	Chorionic Gonadotropin	9	IP-80mg/kg	ELISA of serum
Inducible Promoter	1x10 ¹³	4 (2M, 2F)	Chorionic Gonadotropin	9	IP-80mg/kg	ELISA of serum
Negative	Zero	2 (1M, 1F)	N/A	N/A	N/A	ELISA of Serum

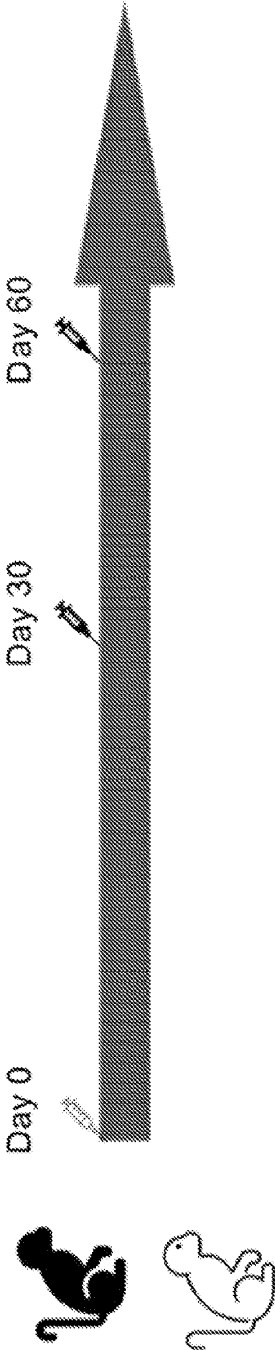


FIG. 11

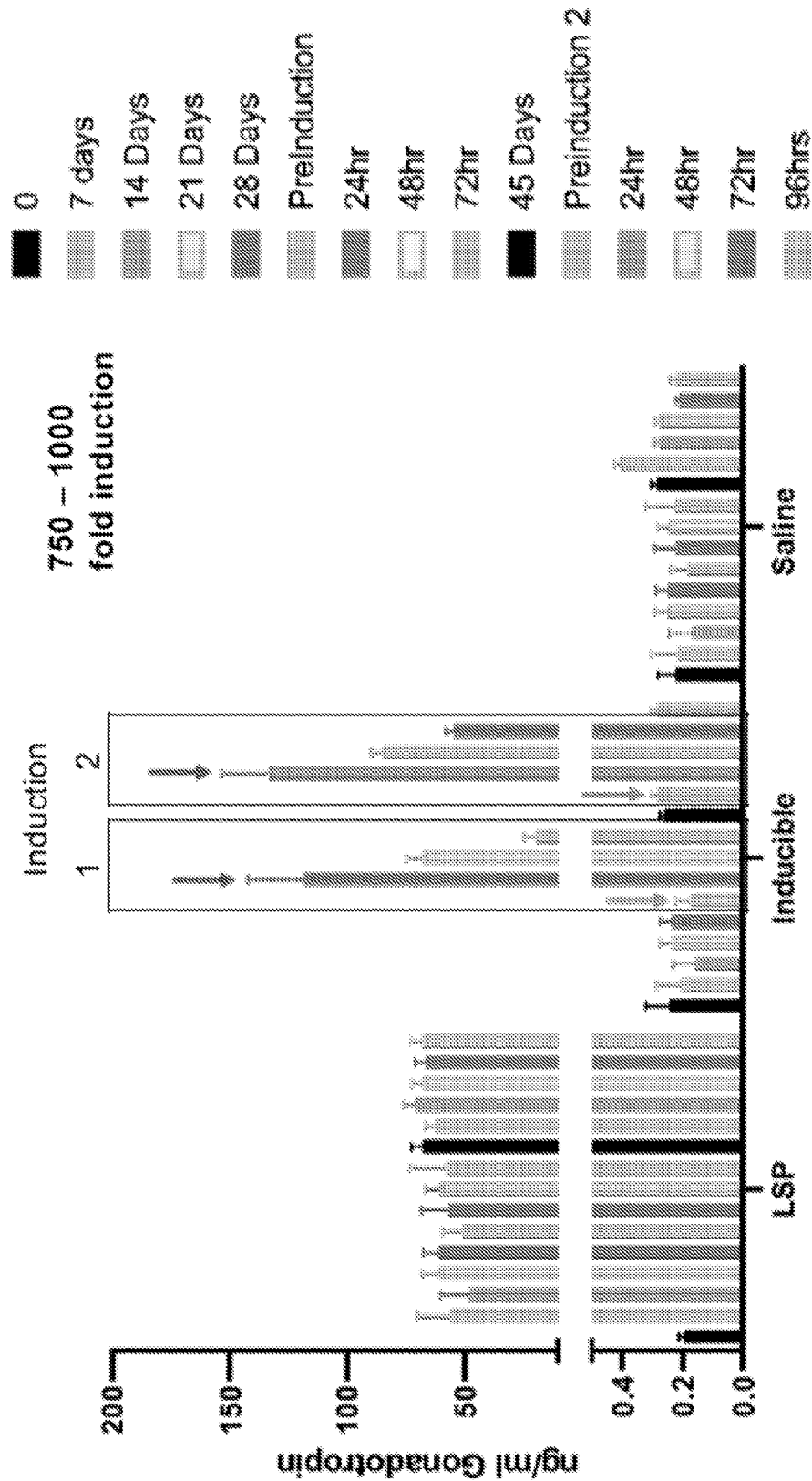


FIG. 12

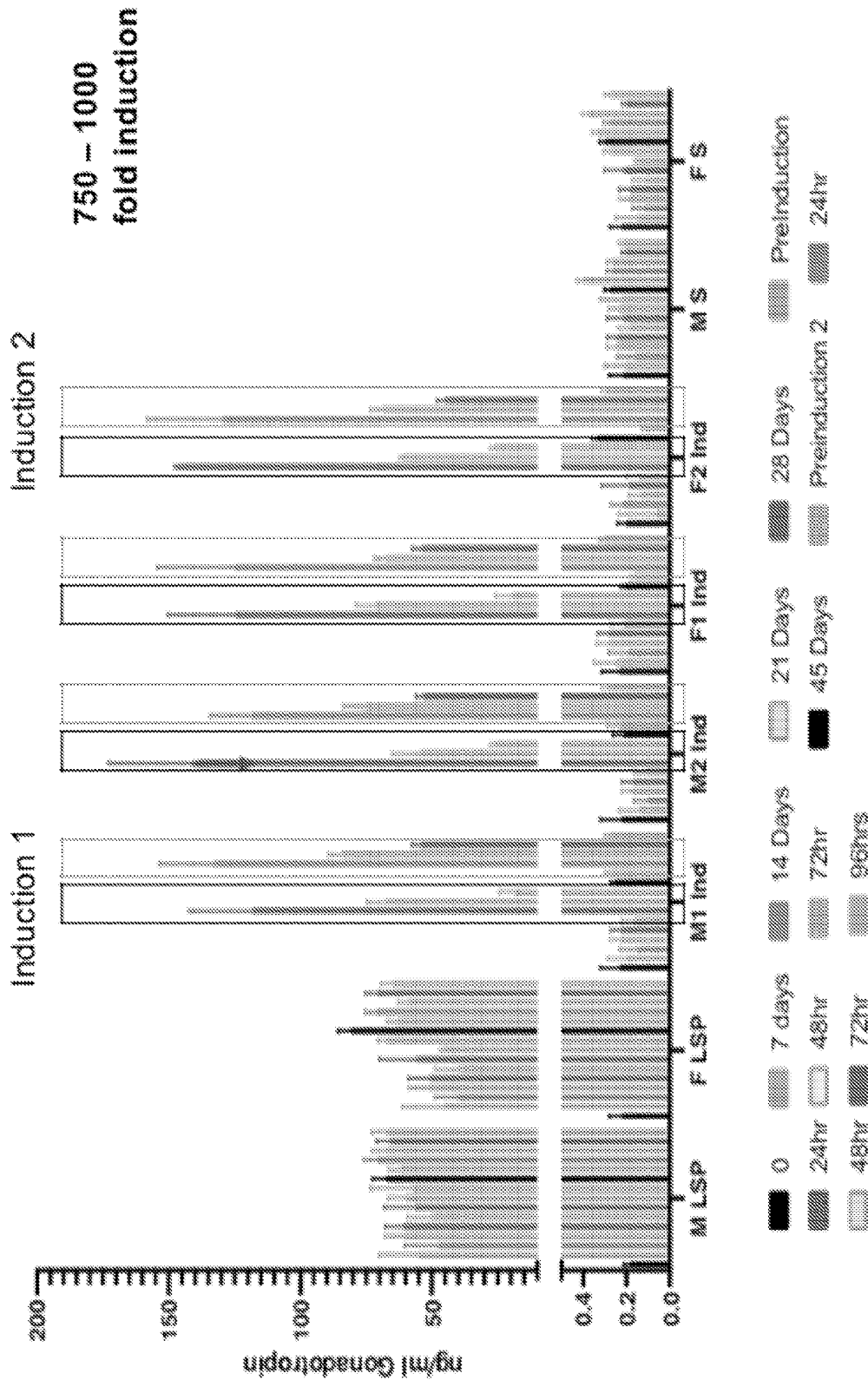


FIG. 13A

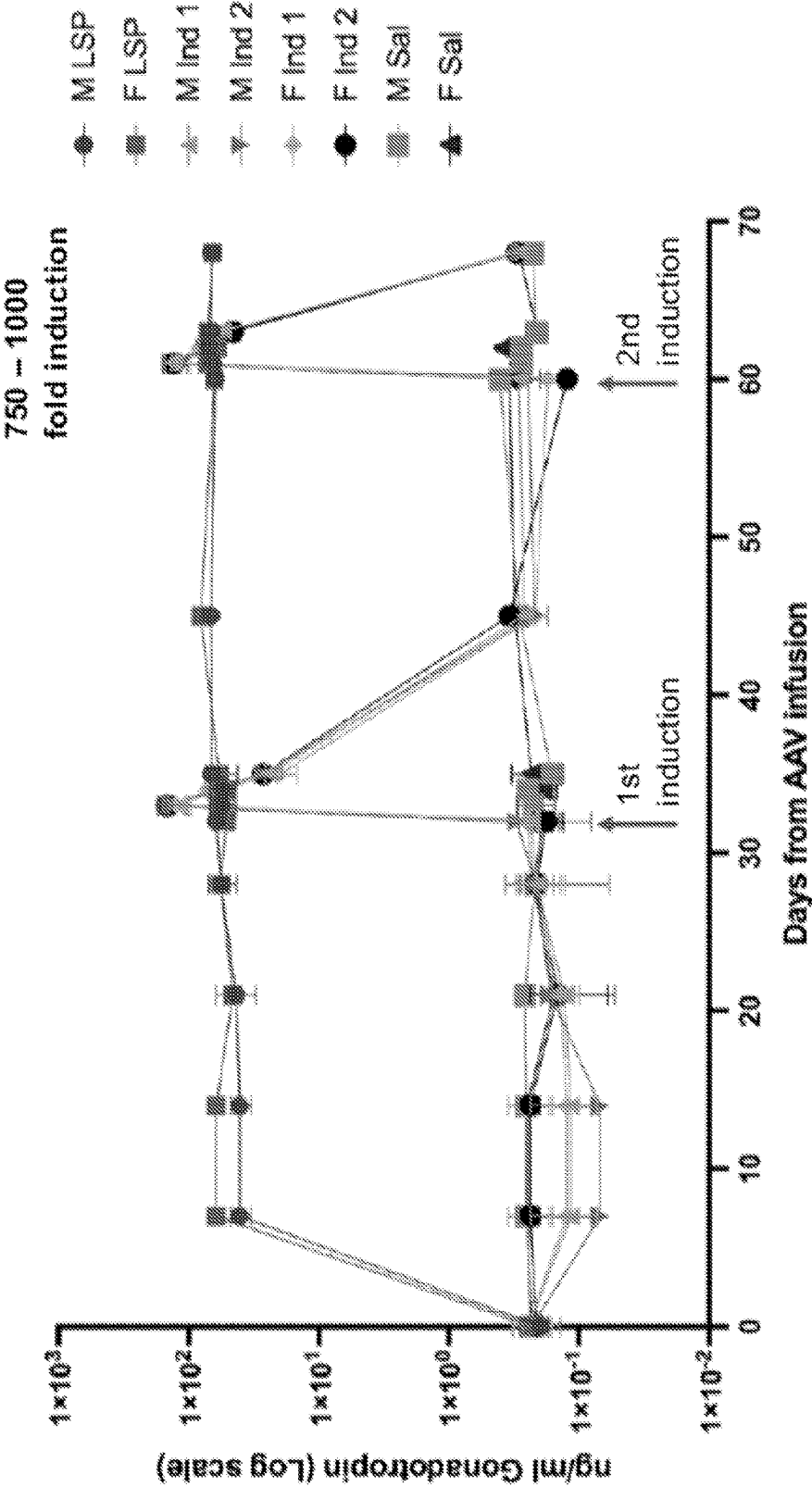
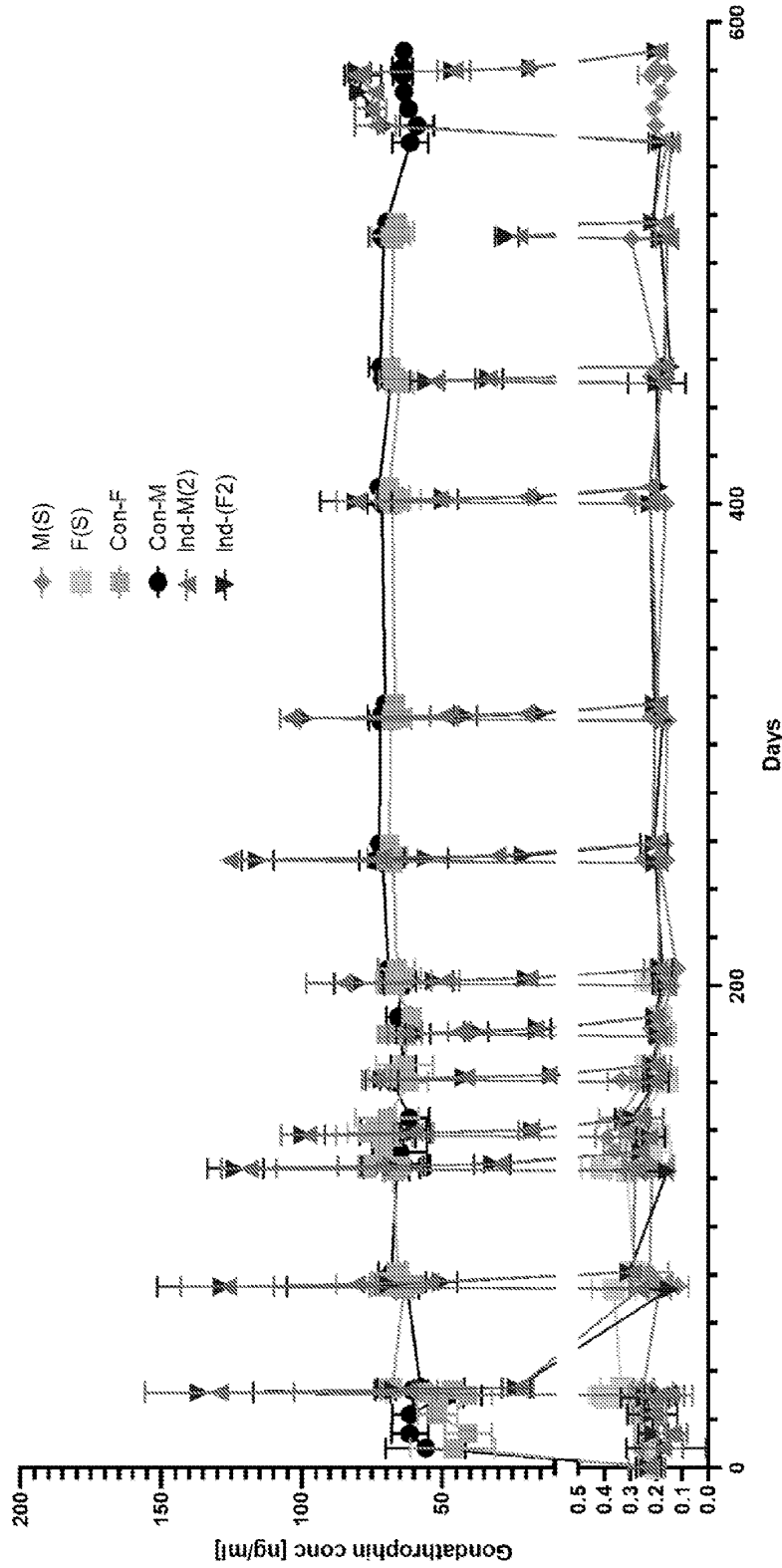


FIG. 13B

Groups	Dose vg/kg	No of NHPs	Transgene	AAV	Drug/Route	Analytics
Control Promoter	1x10 ¹³	2 (1M, 1F)	Chorionic Gonadotropin	9	IP-80mg/kg	ELISA of serum
Inducible Promoter	1x10 ¹³	4 (2M, 2F)	Chorionic Gonadotropin	9	IP-80mg/kg	ELISA of serum
Negative	Zero	2 (1M, 1F)	N/A	N/A	N/A	ELISA of Serum

Induction was performed with the following concentrations:
Artemisinin: IP injection at 80, 80, 40, 20, 10, 1mg/kg
Artesunate: oral ingestion at 20, 10, 6, 5, 1, 0.5, 0.1mg/kg
30 days continuous induction was performed via daily administration of 1mg/kg of artesunate orally.

FIG. 14



Inductions performed in following order: 80, 80, 40, 20, 10, 1 (IP), 6 (oral), 20, 10, 1, 0.5 and 0.1 (oral), mg/kg. Last induction set was 30-days continuous 1mg/kg oral.

FIG. 15

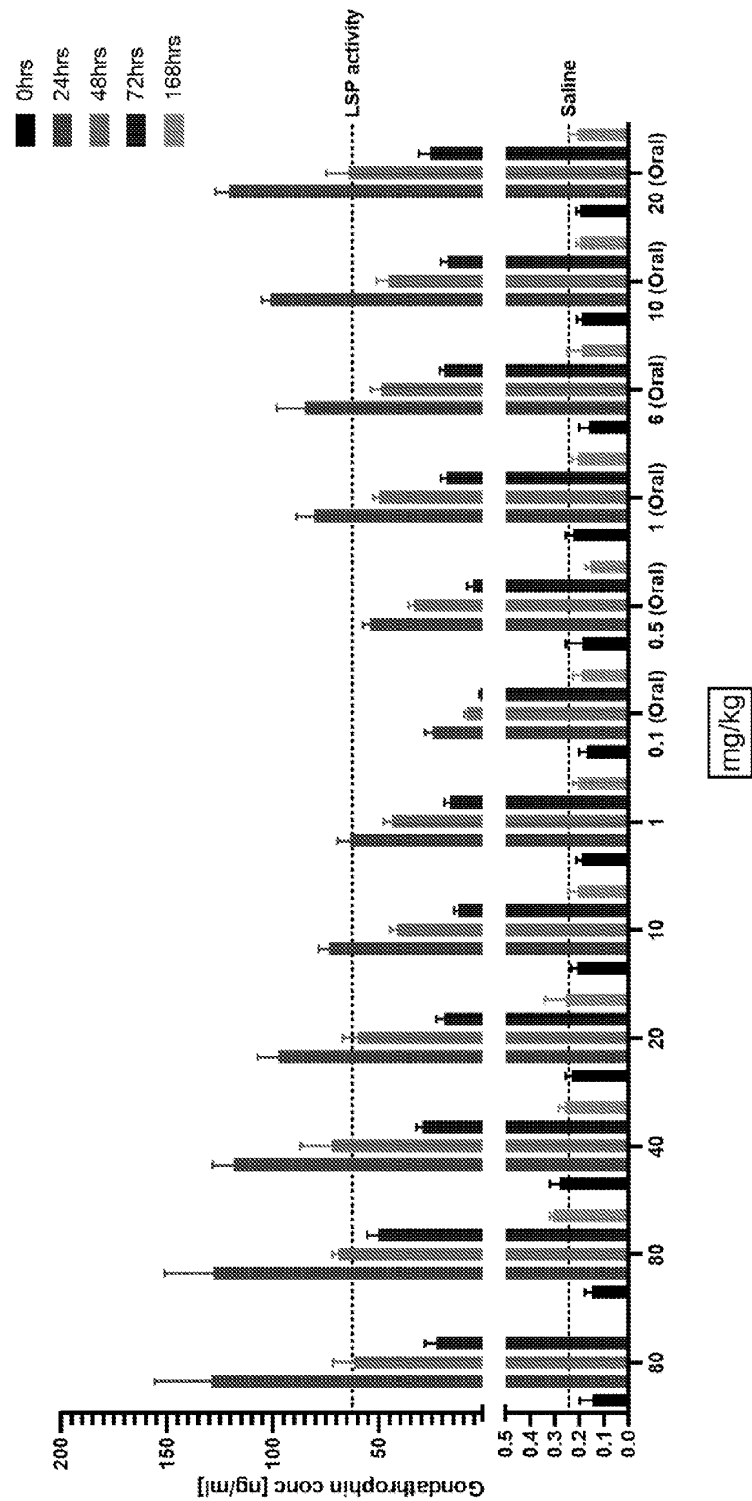


FIG. 16

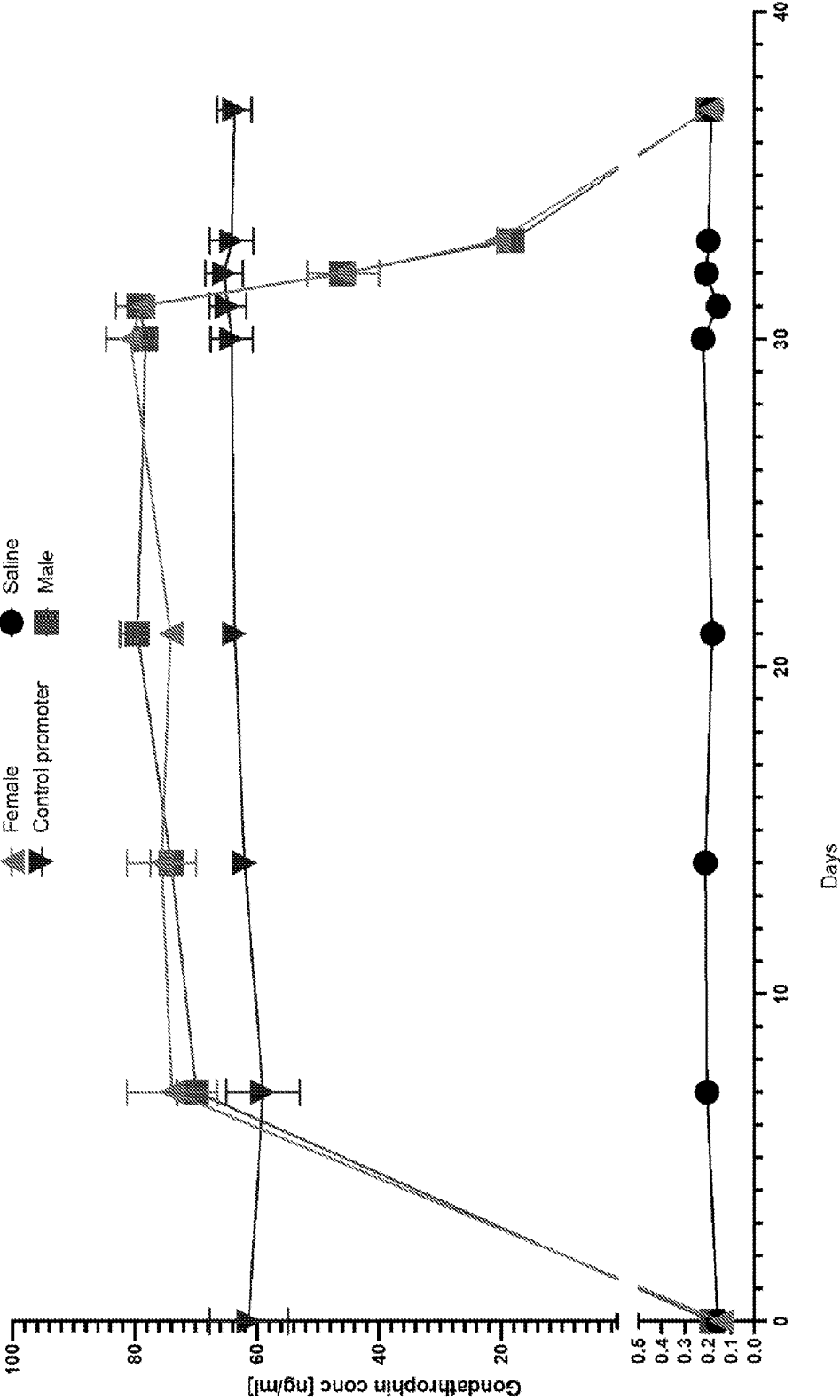


FIG. 17