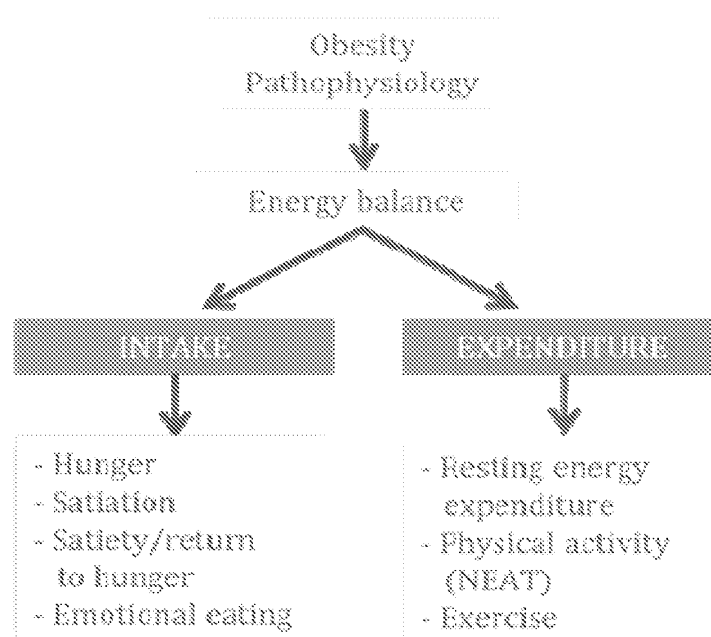


**FIG. 1**

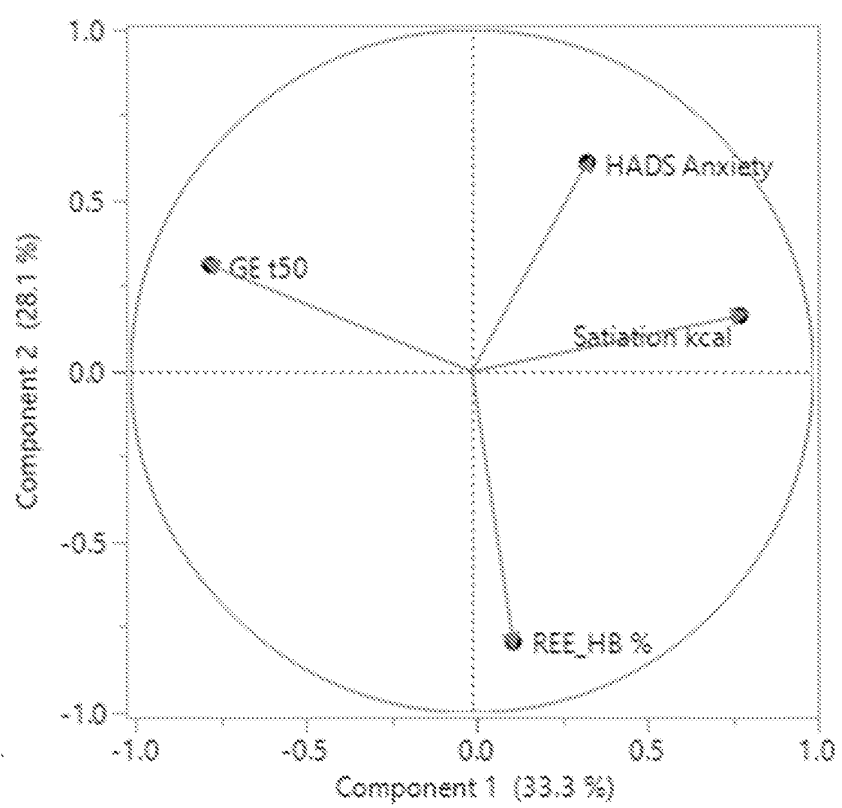


FIG. 2

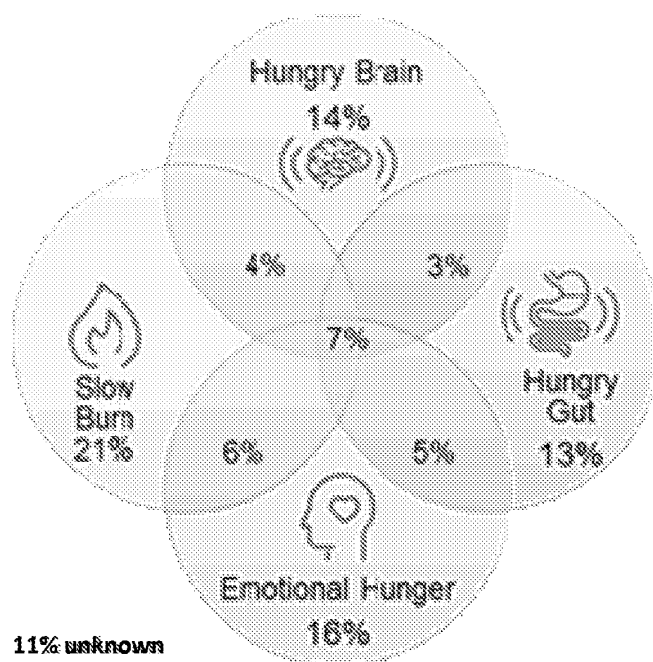


FIG. 3

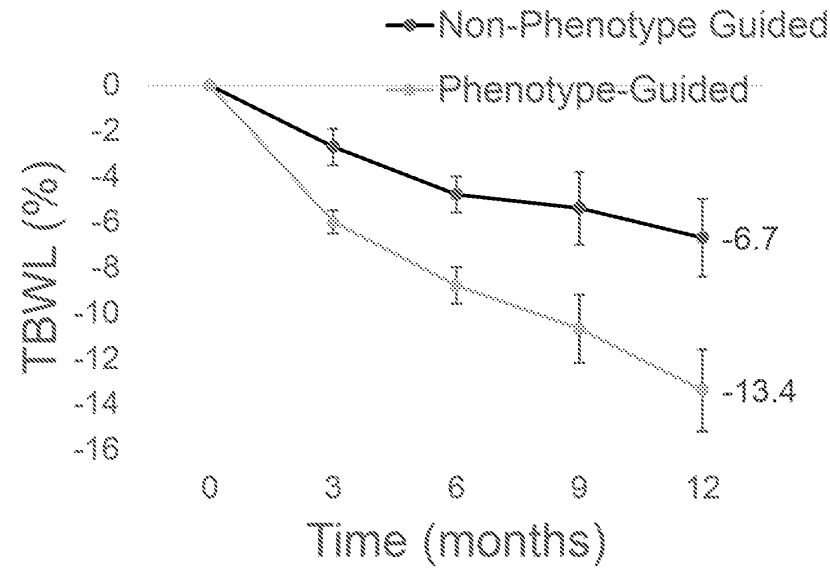


FIG. 4A

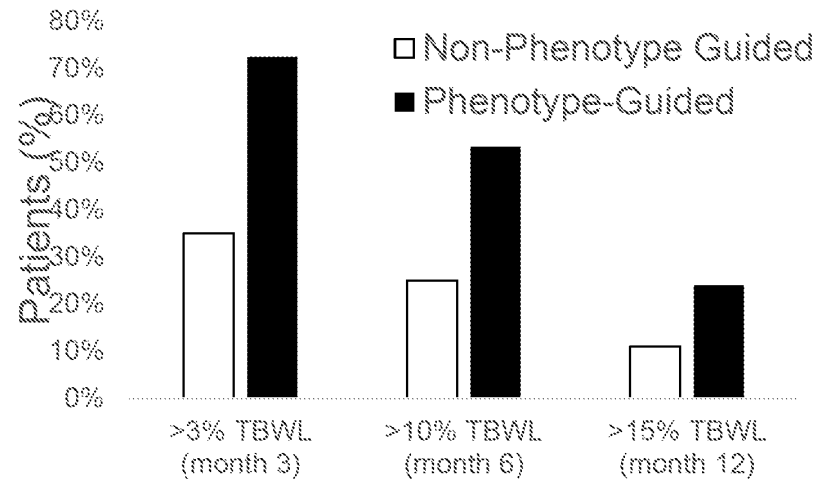


FIG. 4B

Hungry Brain: *Ad libitum* buffet meal

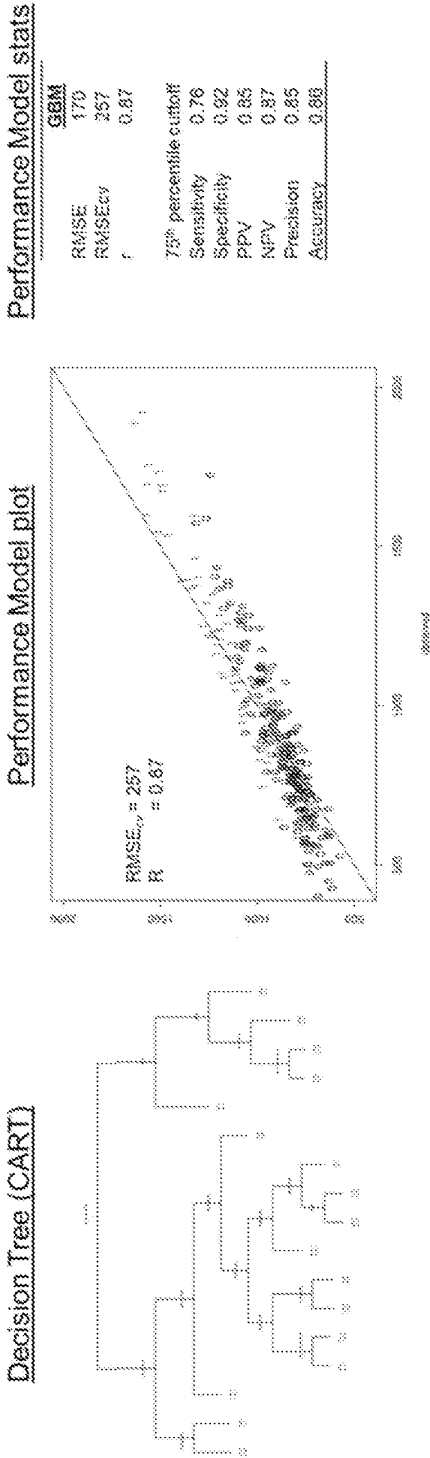
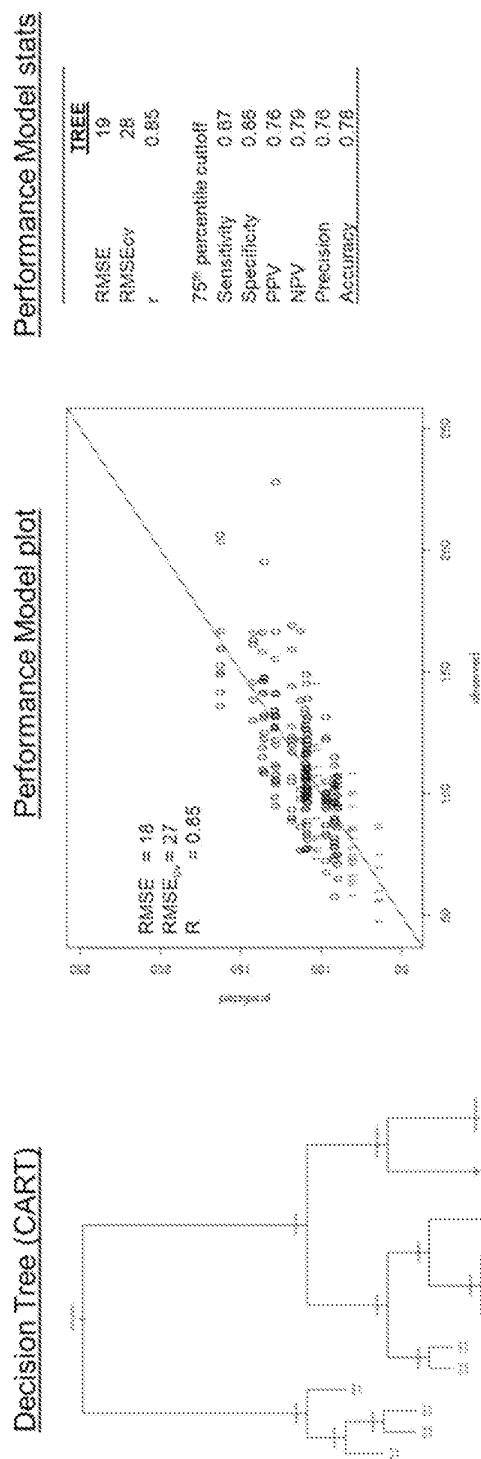


FIG. 5

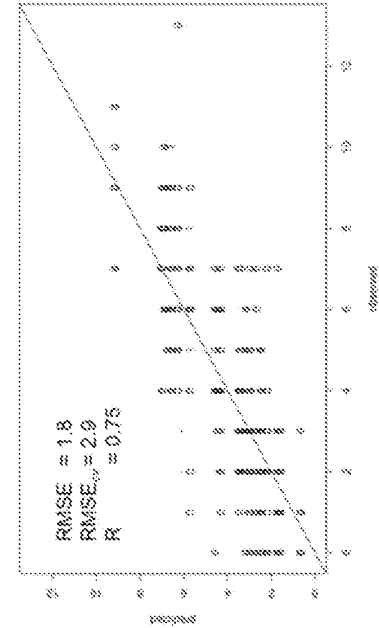
Hungry Gut: SGE ($T^{1/2}$)

Emotional Hunger: HADS-A

Decision Tree (CART)

Performance Model plot

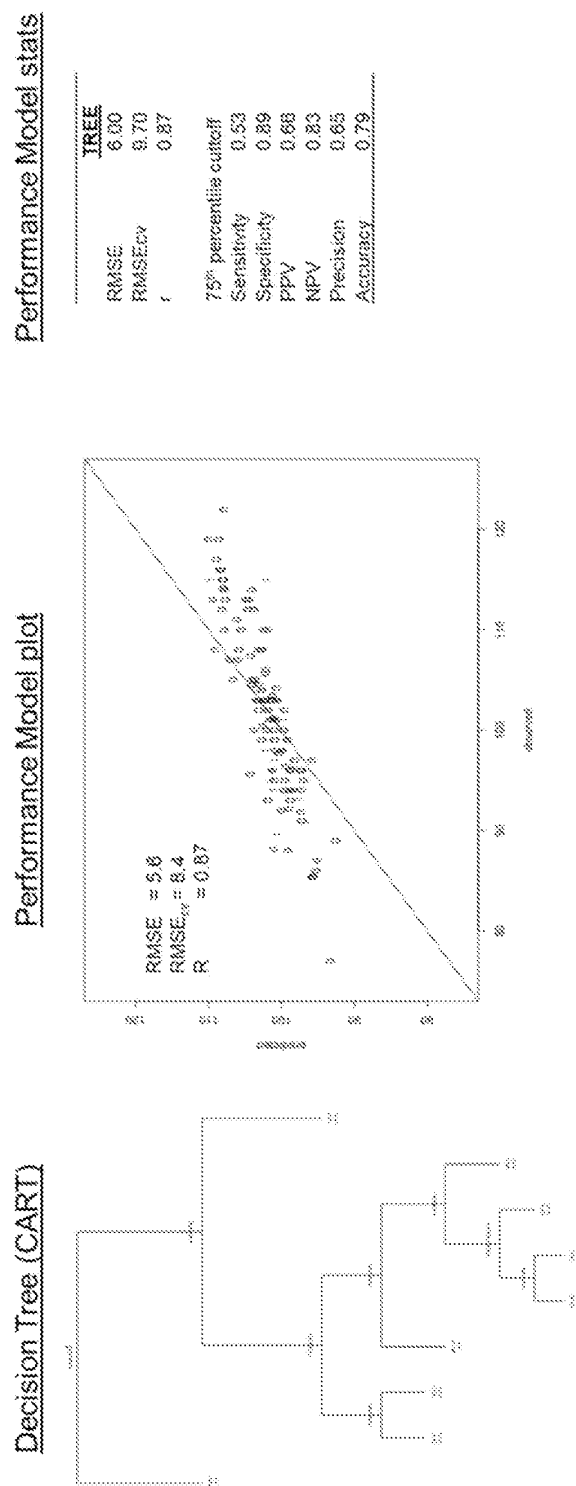
Performance Model stats



Performance Model stats	
TREE	
RMSE	1.80
RMSEcv	2.90
r	0.75
75 th percentile cutoff	
Sensitivity	0.57
Specificity	0.99
PPV	0.88
NPV	0.83
Precision	0.88
Accuracy	0.84

FIG. 7

Slow Burn: Predicted REE



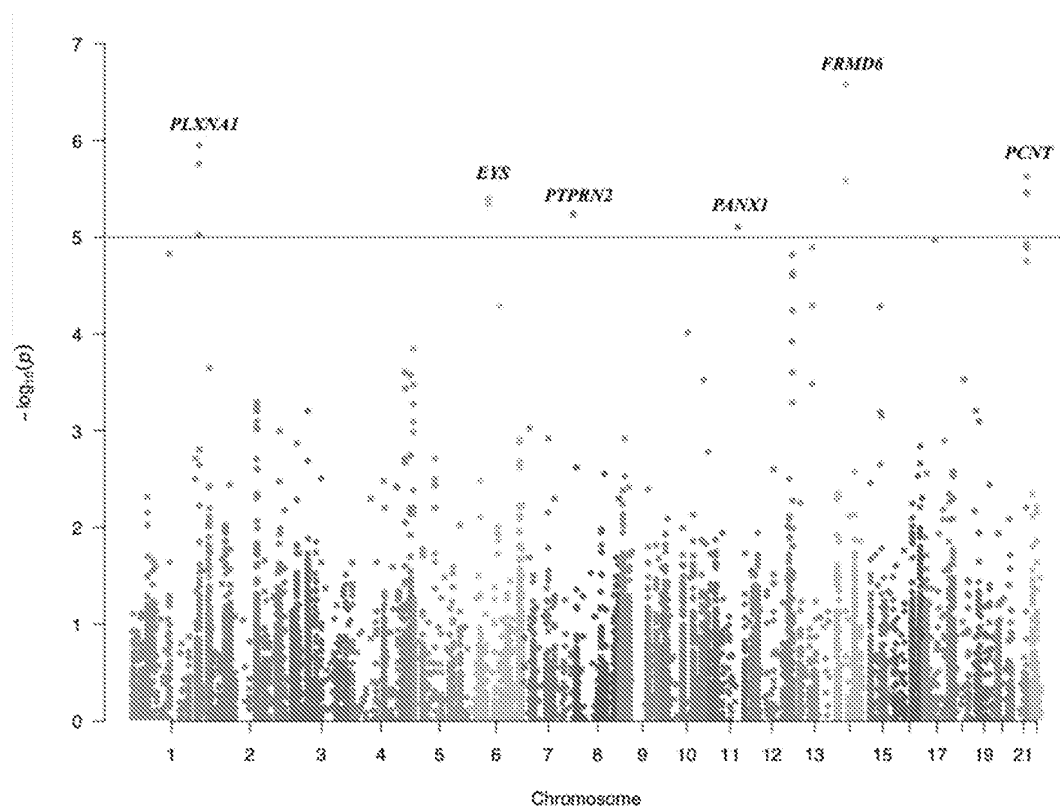


FIG. 9

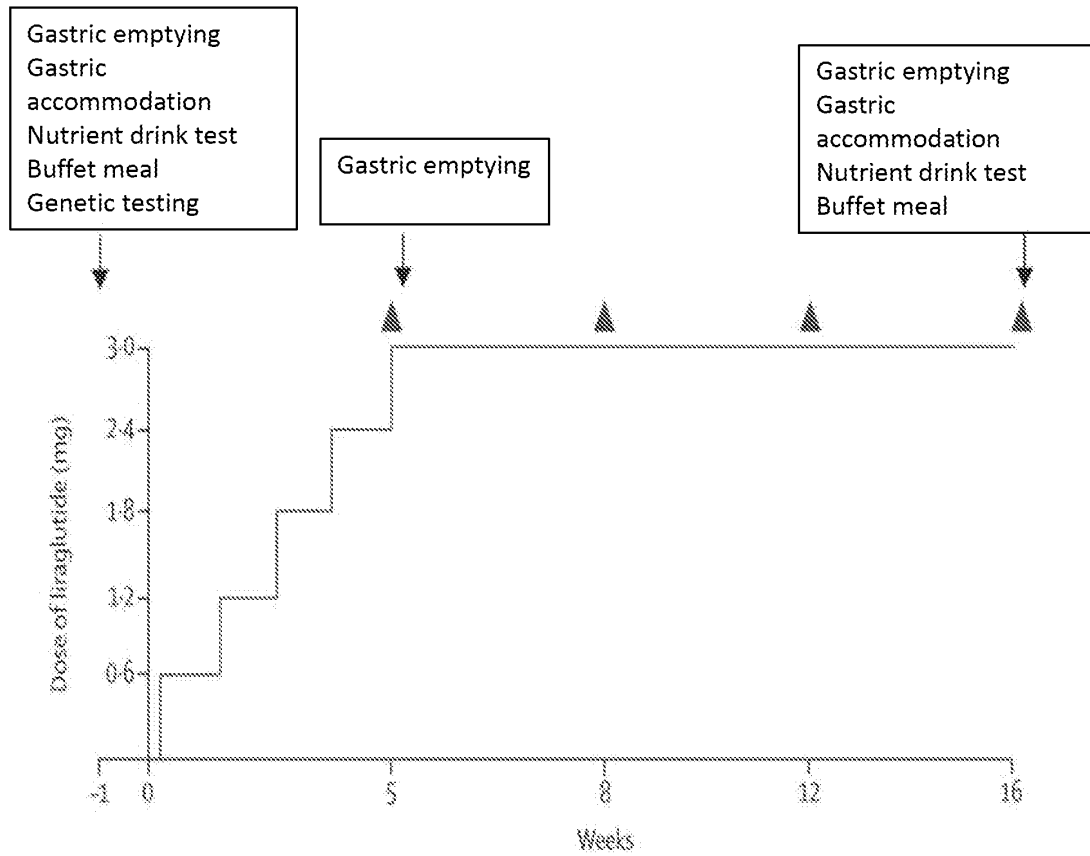


FIG. 10

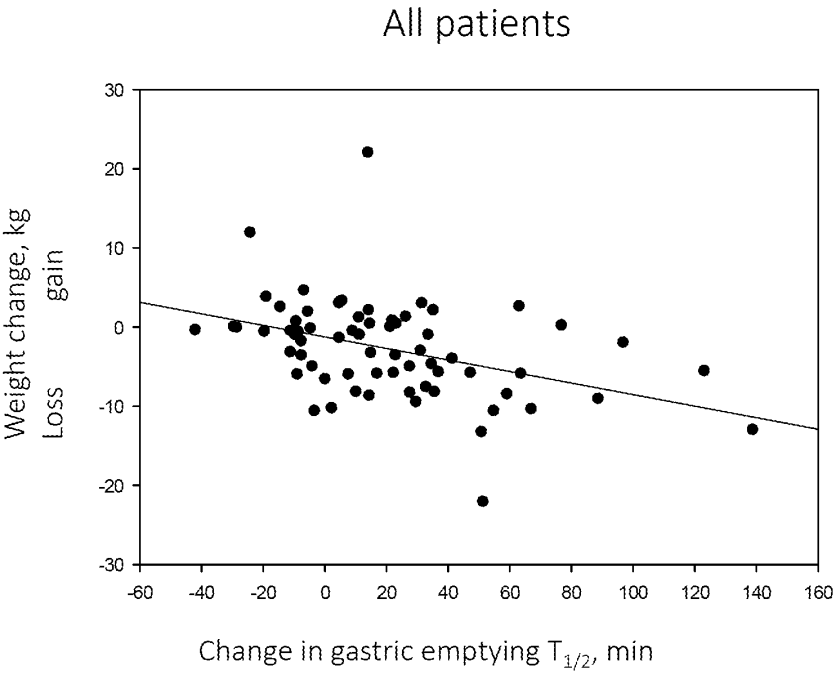
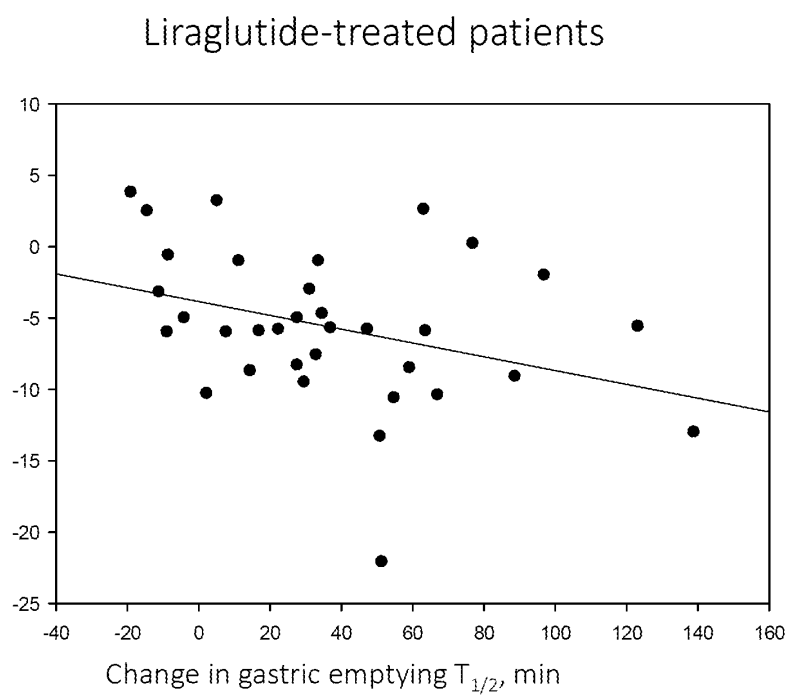
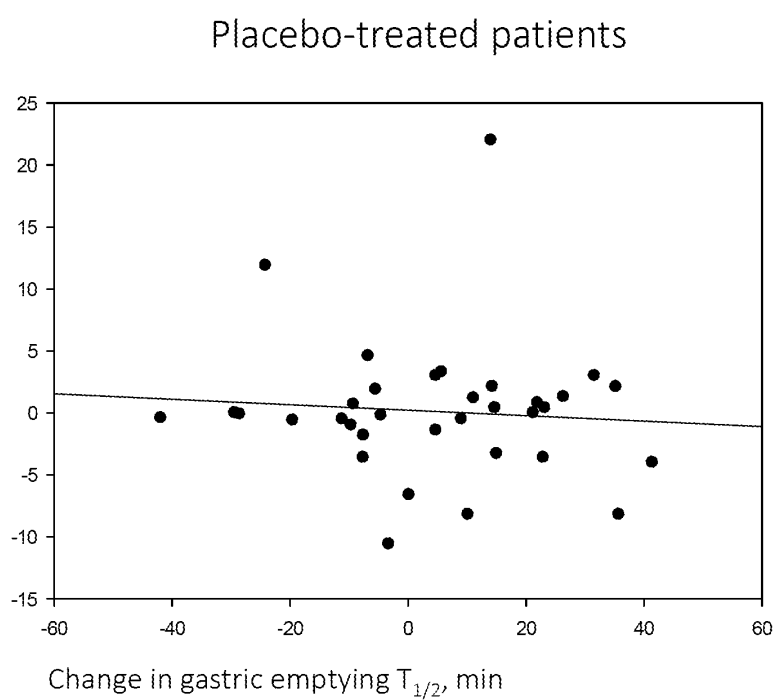


FIG. 11A

**FIG. 11B**

**FIG. 11C**

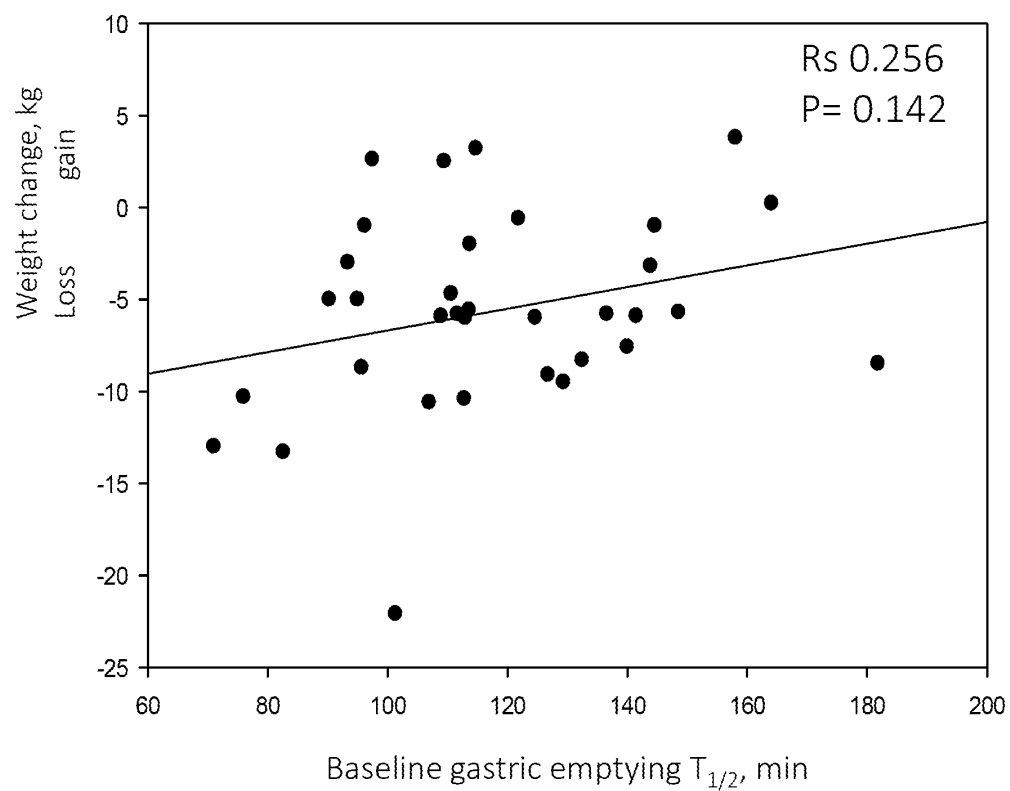
Weight loss at 16 weeks liraglutide based on baseline GE $T_{1/2}$ **FIG. 12**

FIG. 13A

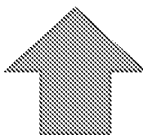
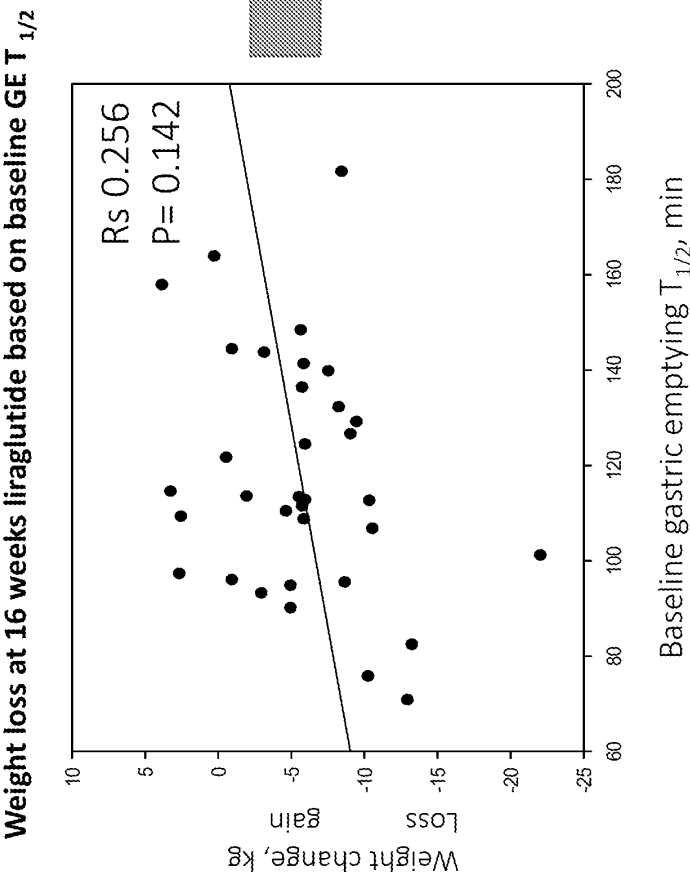


FIG. 13B

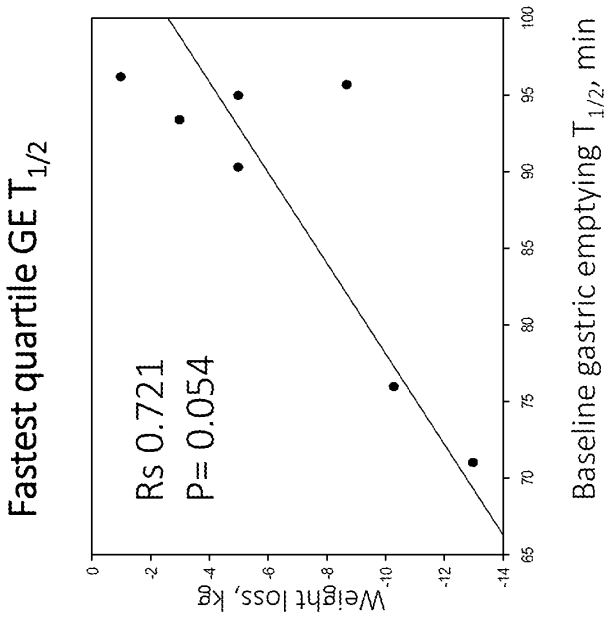


FIG. 14A
Alleles of rs6923761 (GLP-1 Receptor) and Change in Weight

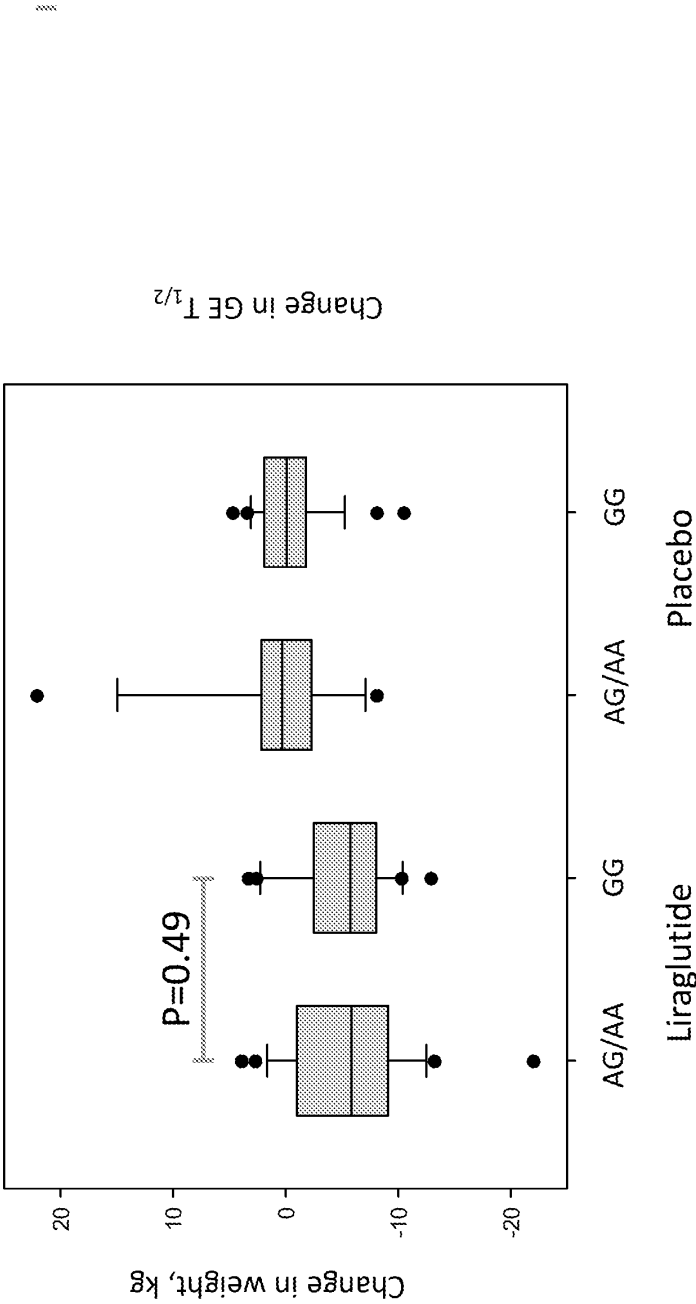
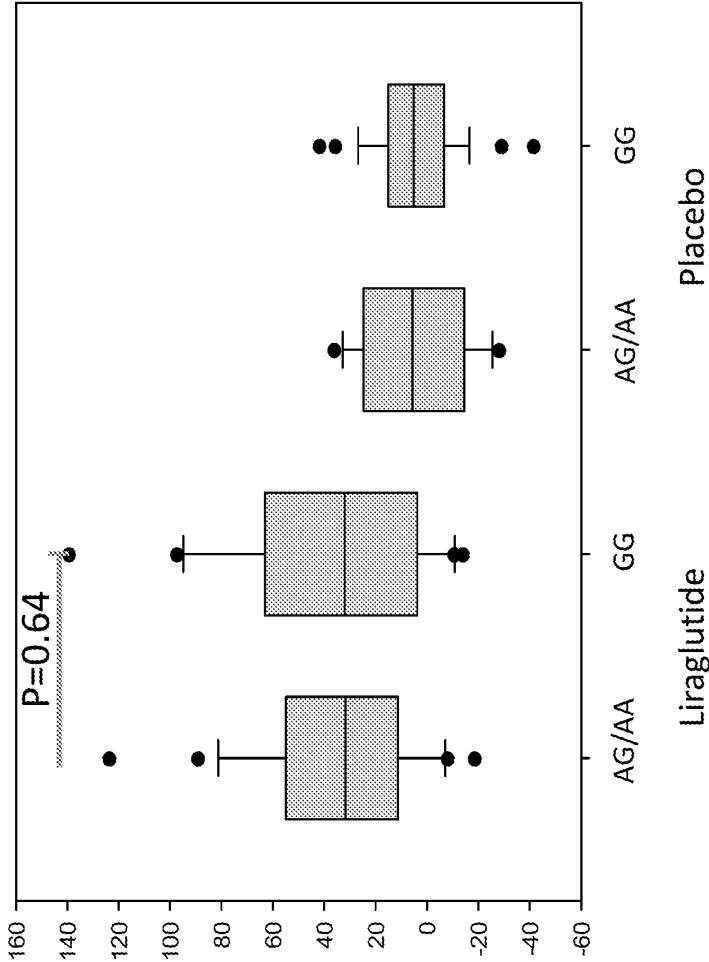


FIG. 14B

Alleles of rs6923761 (GLP-1 receptor) and Change in $GET_{1/2}$



Alleles of **rs7903146** (*TCF7L2*) and Change in **Weight**

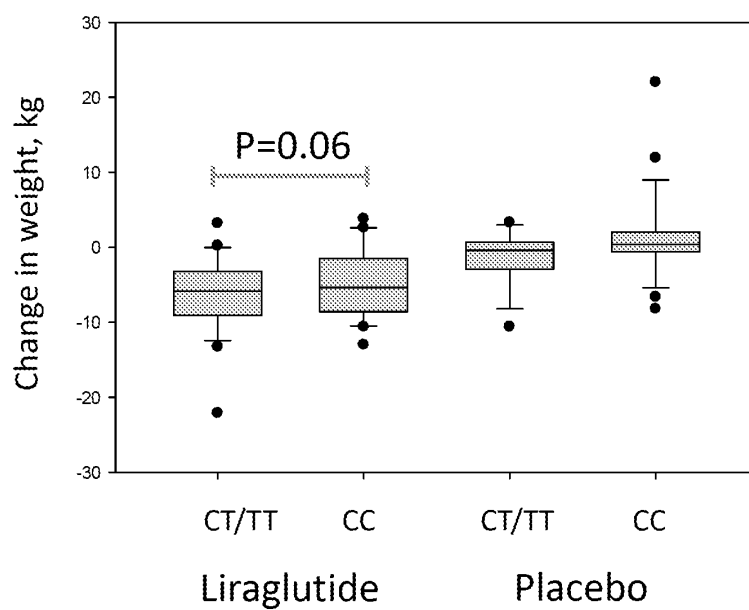


FIG. 15A

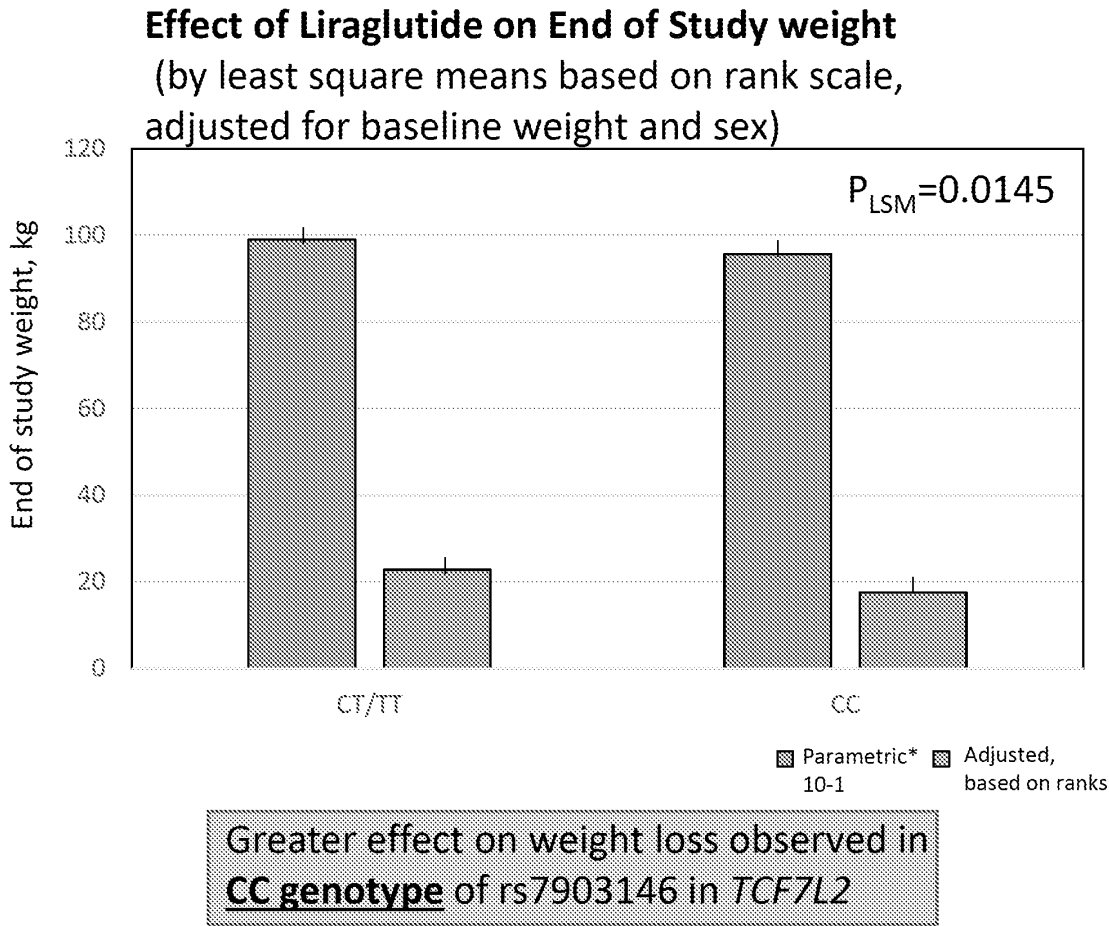
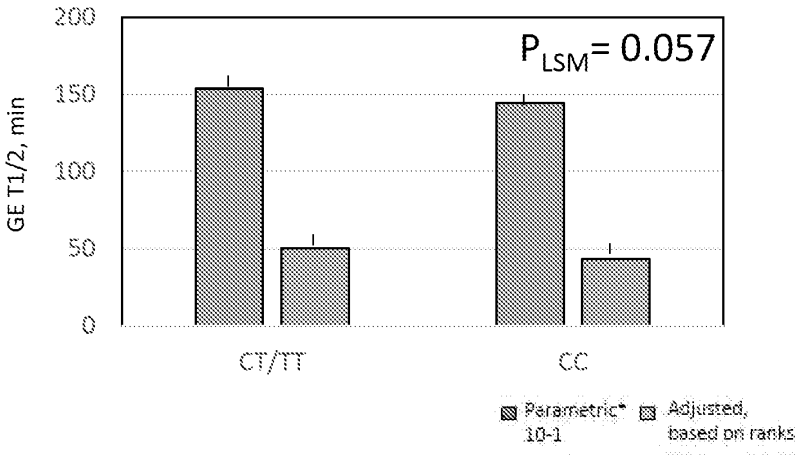


FIG. 15B

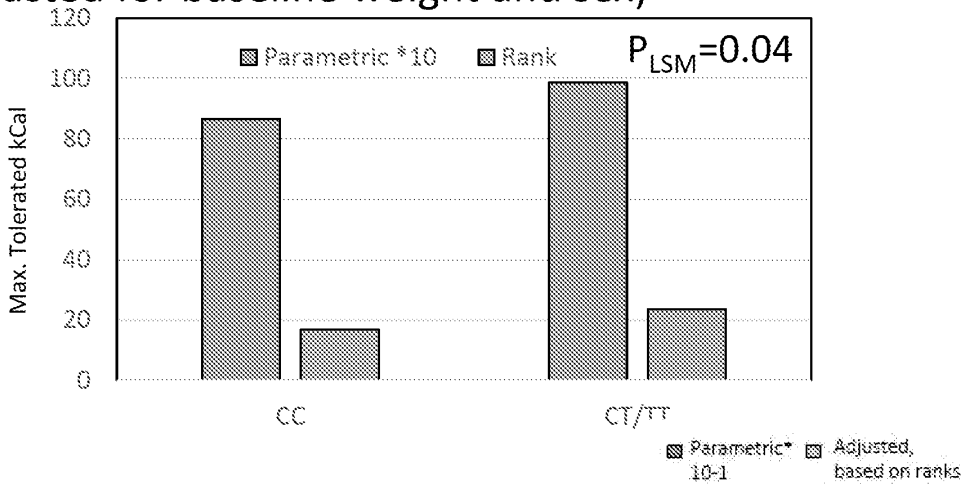
Effect of Liraglutide on GE T_{1/2}
(by least square means based on rank scale,
adjusted for baseline weight and sex)



Trend towards slowed GE T_{1/2} from liraglutide
observed in CT/TT genotype of rs7903146 *TCF7L2*

FIG. 16A

Effect of Liraglutide on Max. Tolerated kCal
(by least square means based on rank scale,
adjusted for baseline weight and sex)



Diminished Max tolerated kCal from liraglutide
observed in CC genotype rs7903146 *TCF7L2*

FIG. 16B

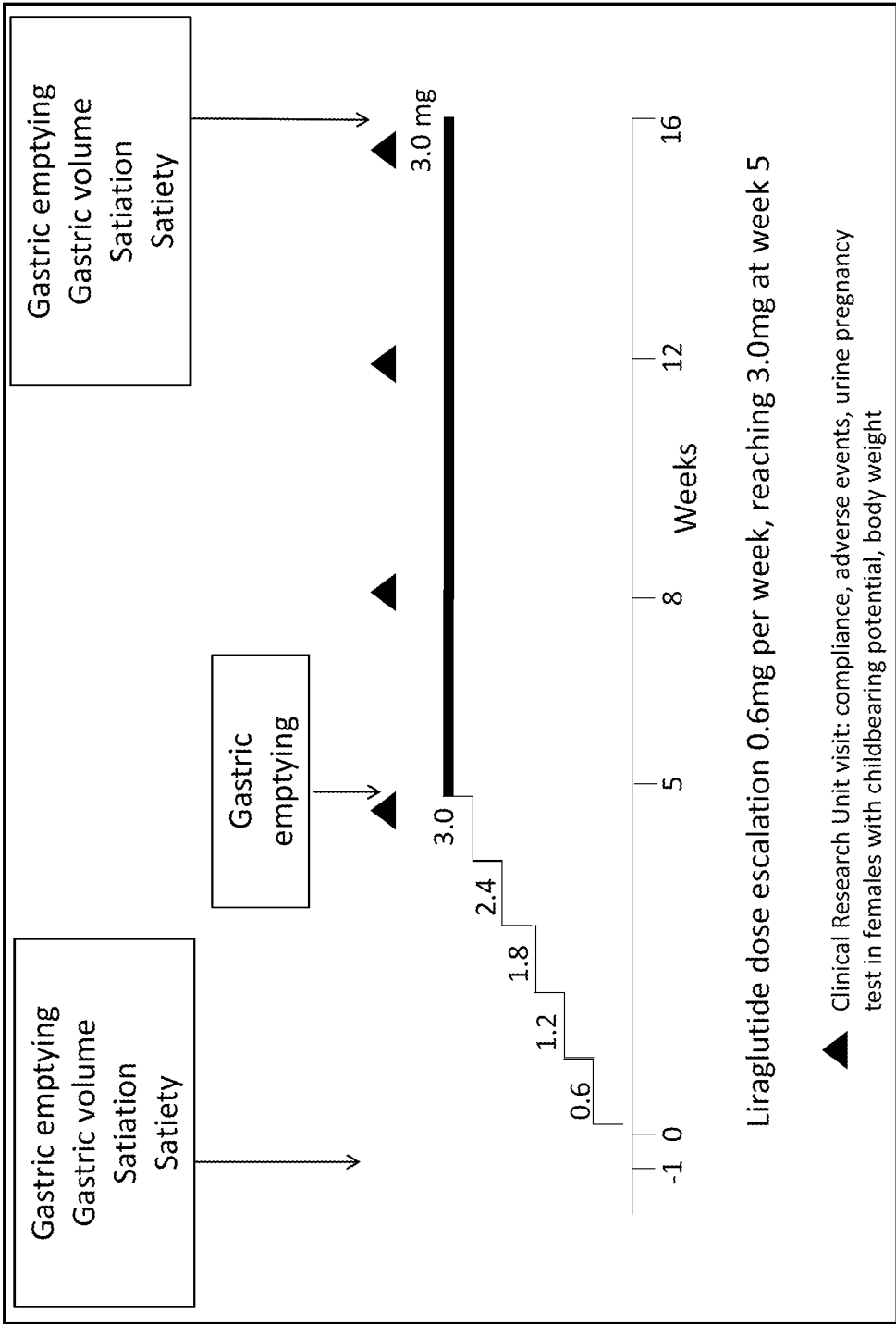
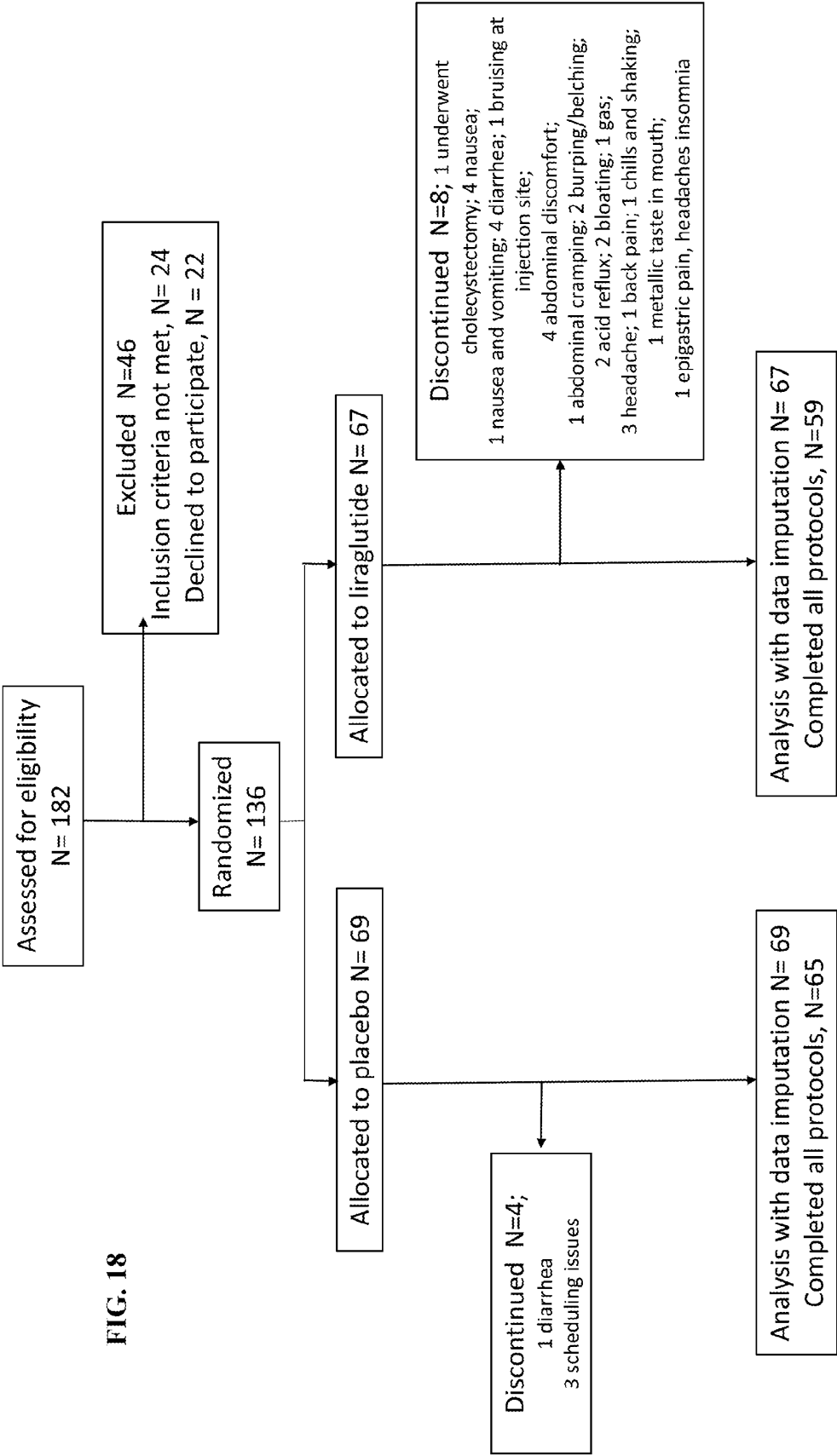
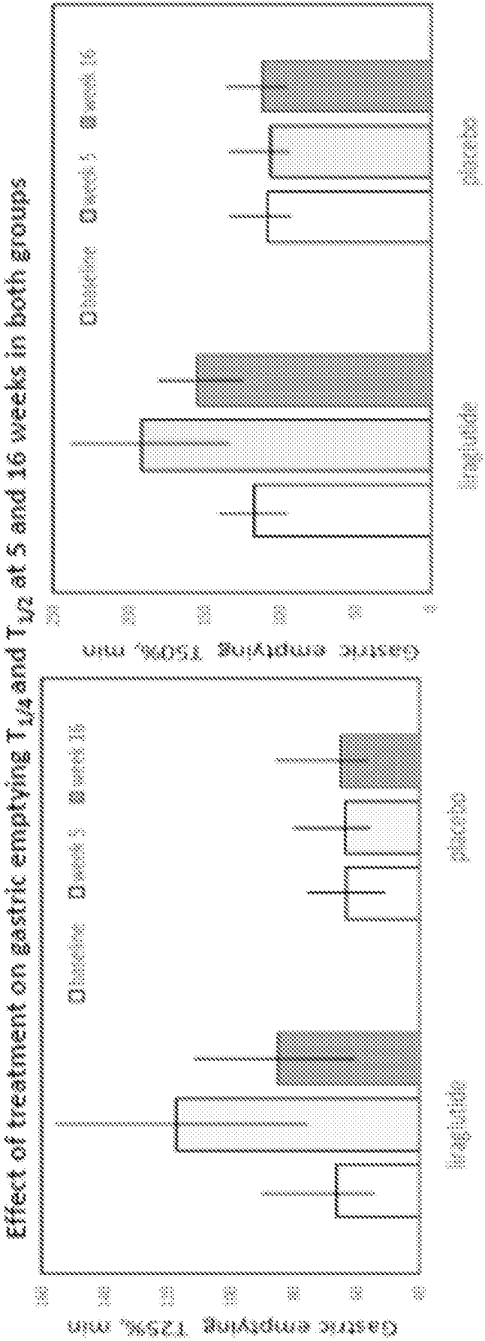


FIG. 17





Gastric emptying $T_{1/2}$ at 5 and 16 weeks in iraglutide group

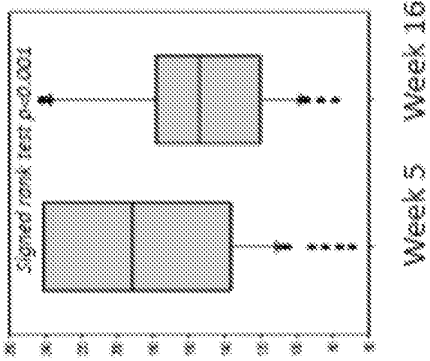
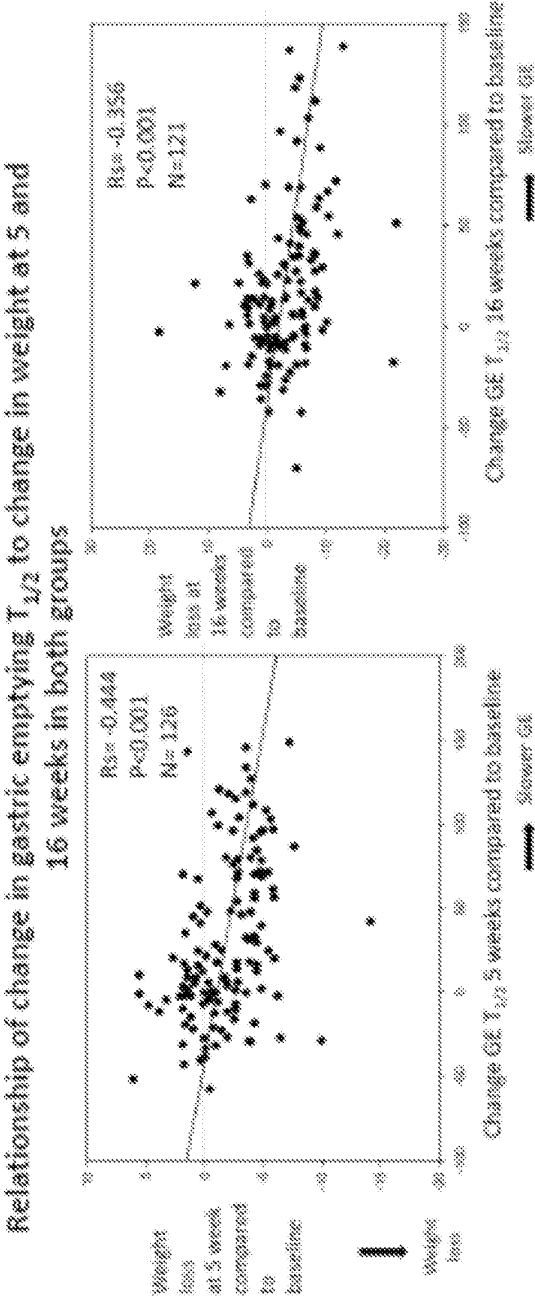


FIG. 19A



Fastest quartile gastric emptying $T_{1/2}$ at baseline in liraglutide group

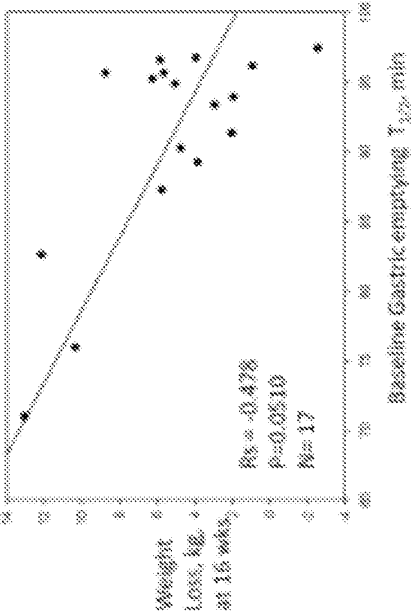


FIG. 19B

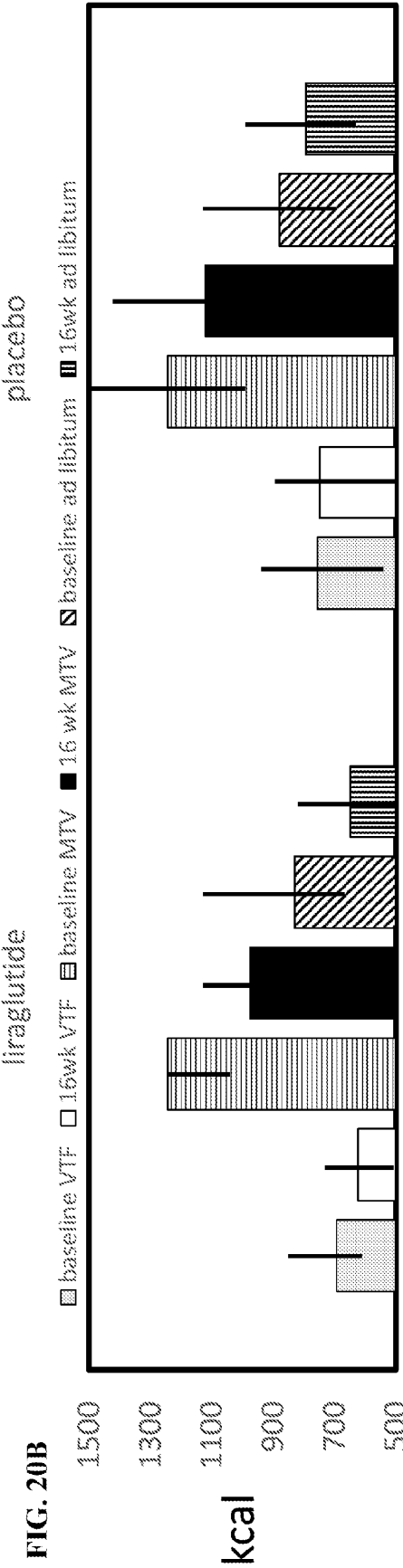
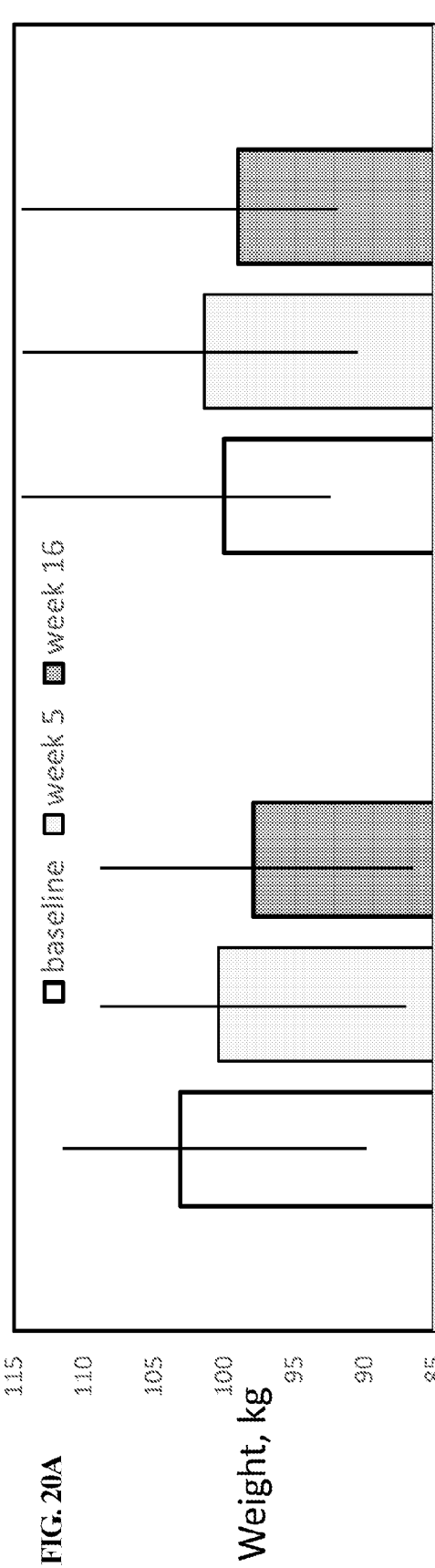
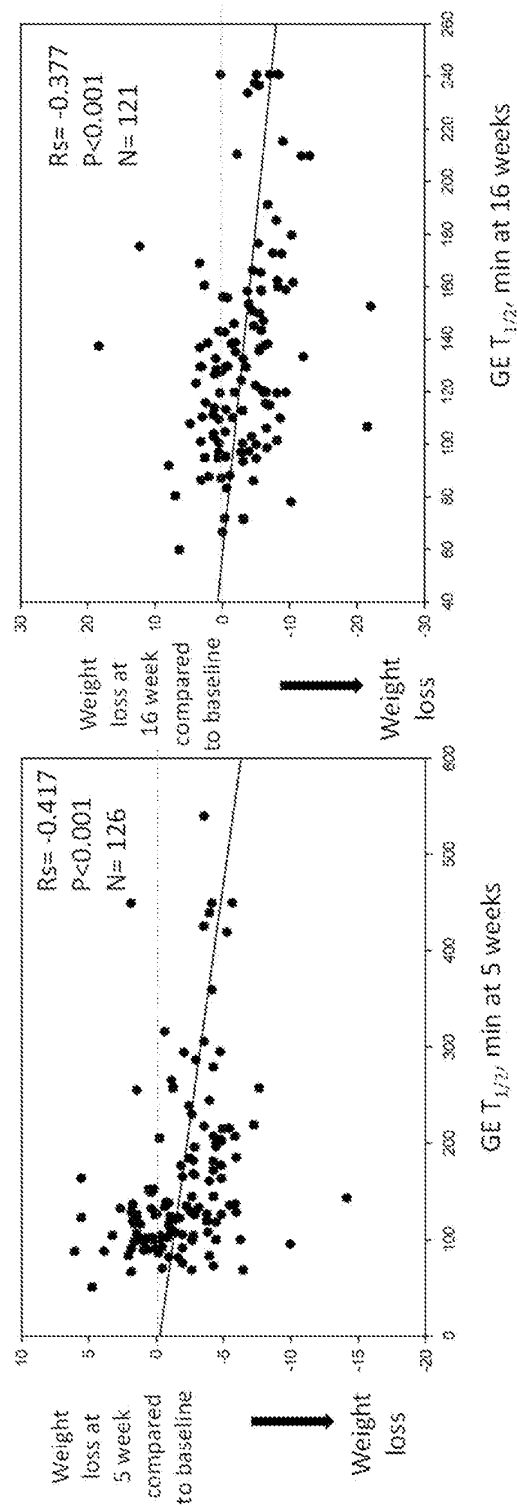


FIG. 21



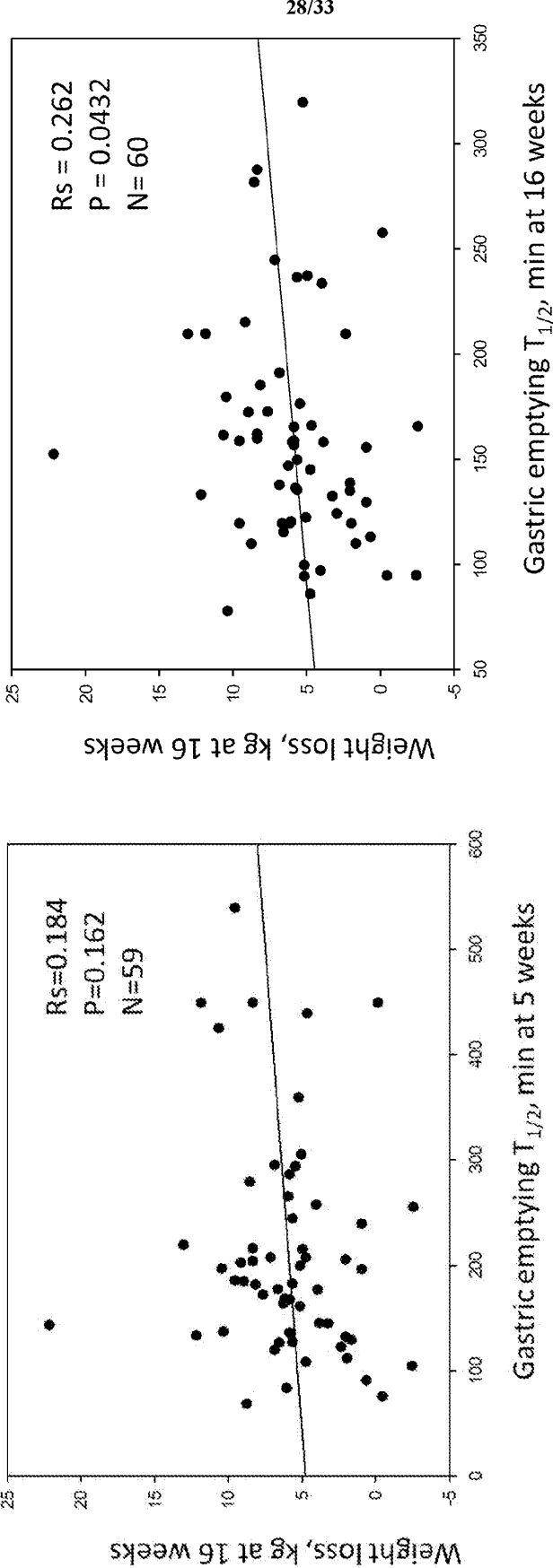


FIG. 22

FIG. 23A

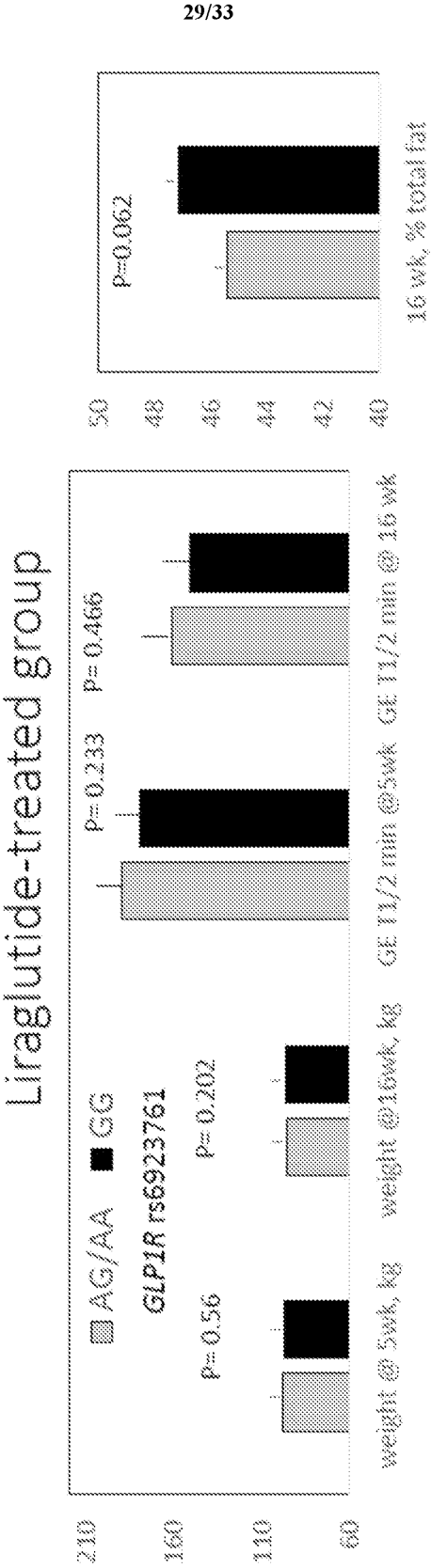
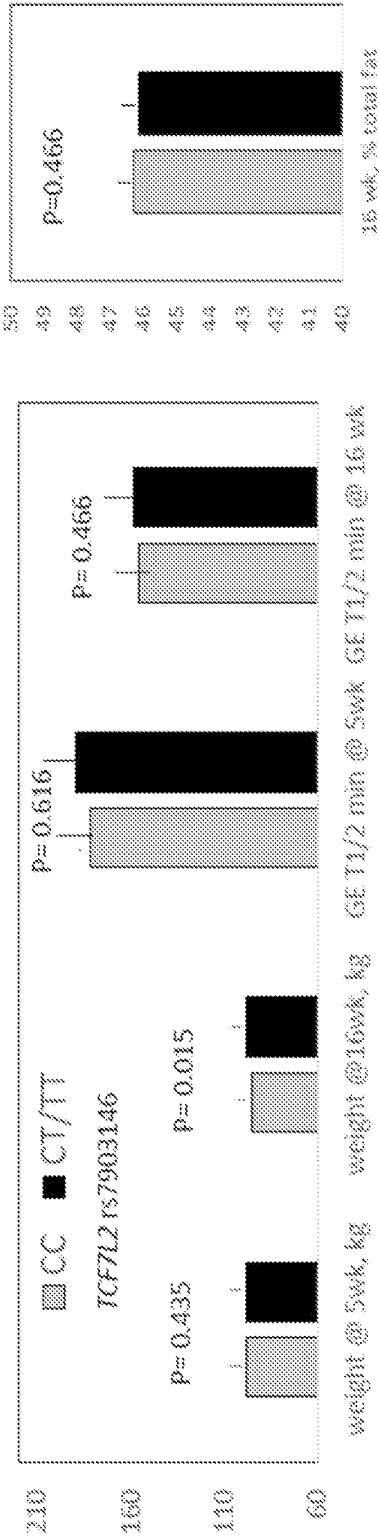


FIG. 23B



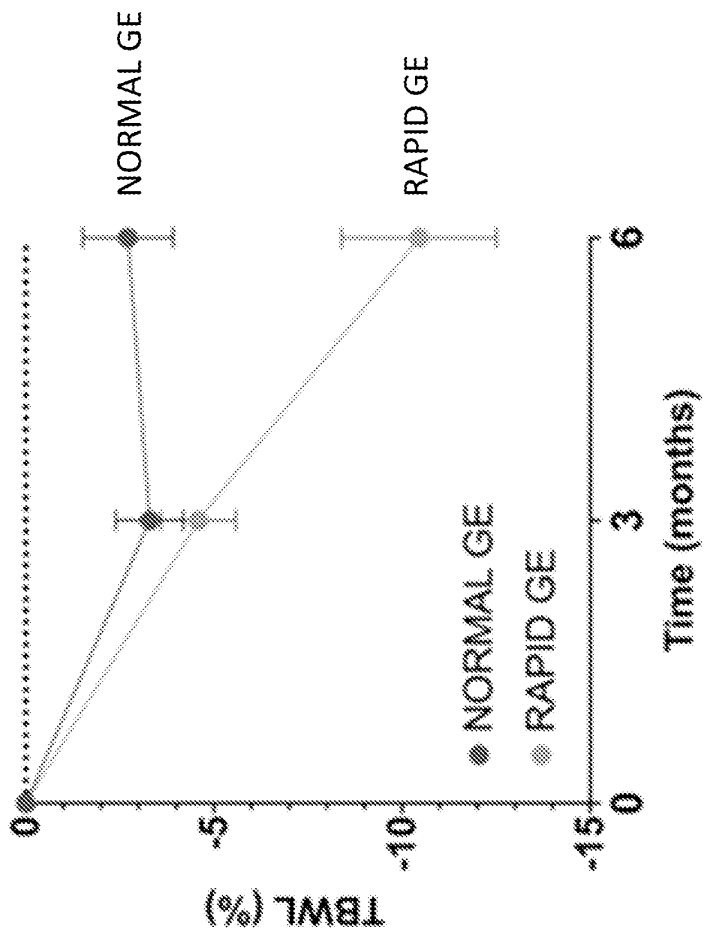


FIG. 24

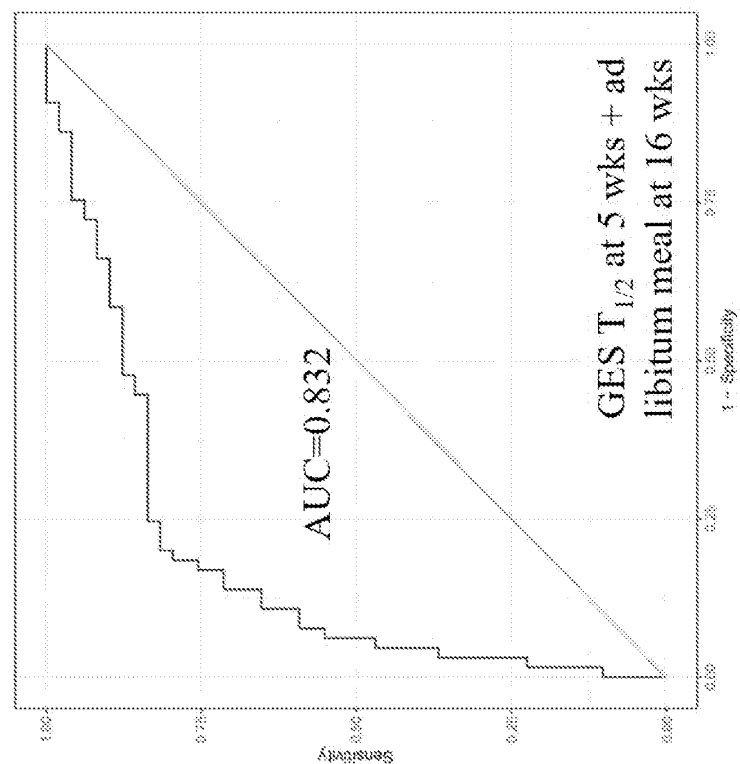


FIG. 25

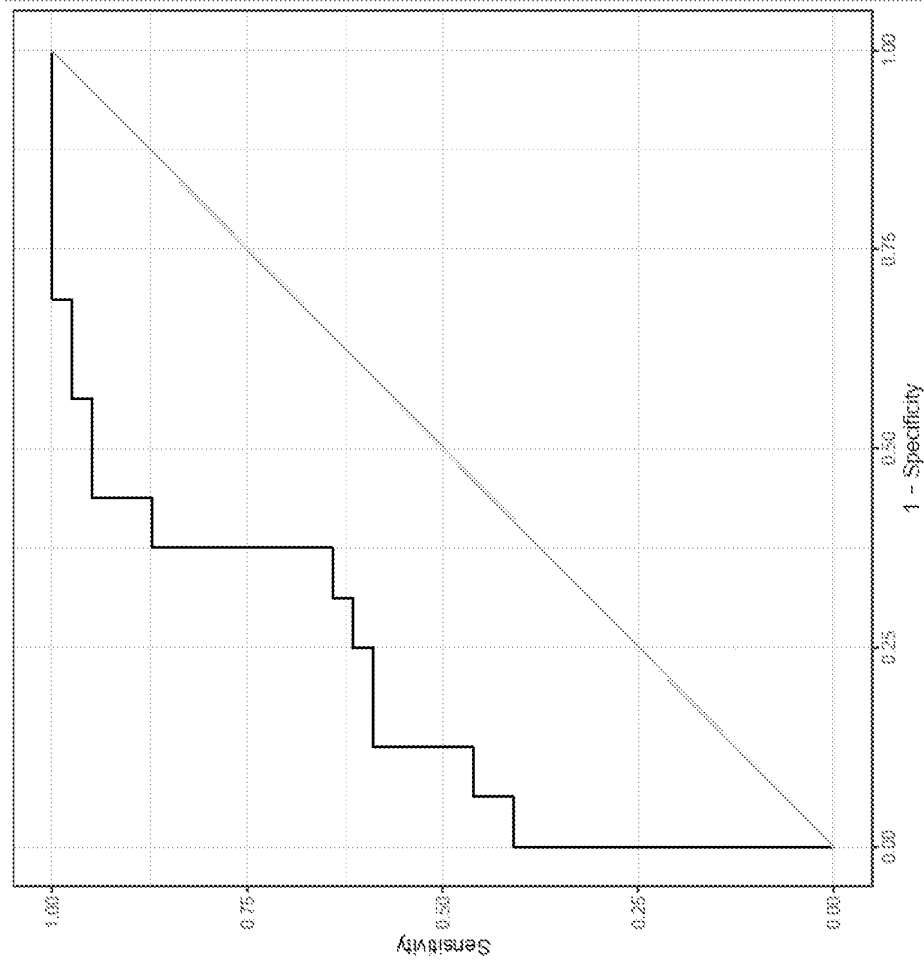


FIG. 26