FIG. 1

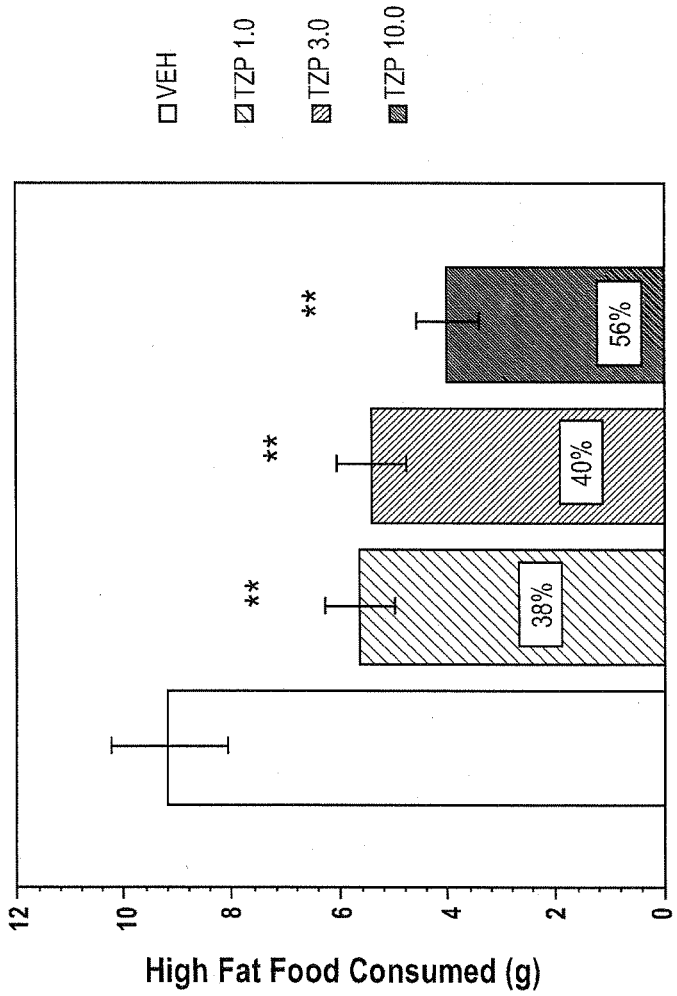

VEH
TZP 1.0
TZP 3.0
TZP 10.0
38%
40%
56%
**
**
**
0
2
4
6
8
10
12
High Fat Food Consumed (g)

FIG. 2

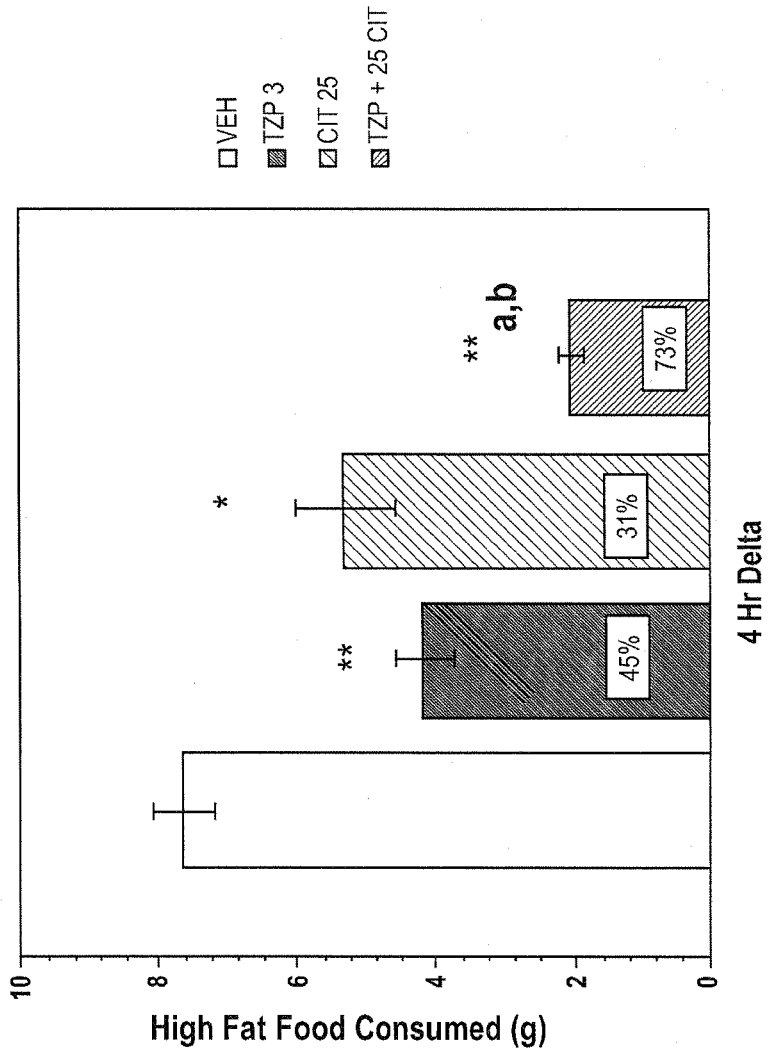

VEH
TZP 3
CIT 25
TZP + 25 CIT
High Fat Food Consumed (g)
10
8
6
4
2
0
**
*
**
a,b
45%
31%
73%
4 Hr Delta

FIG. 3

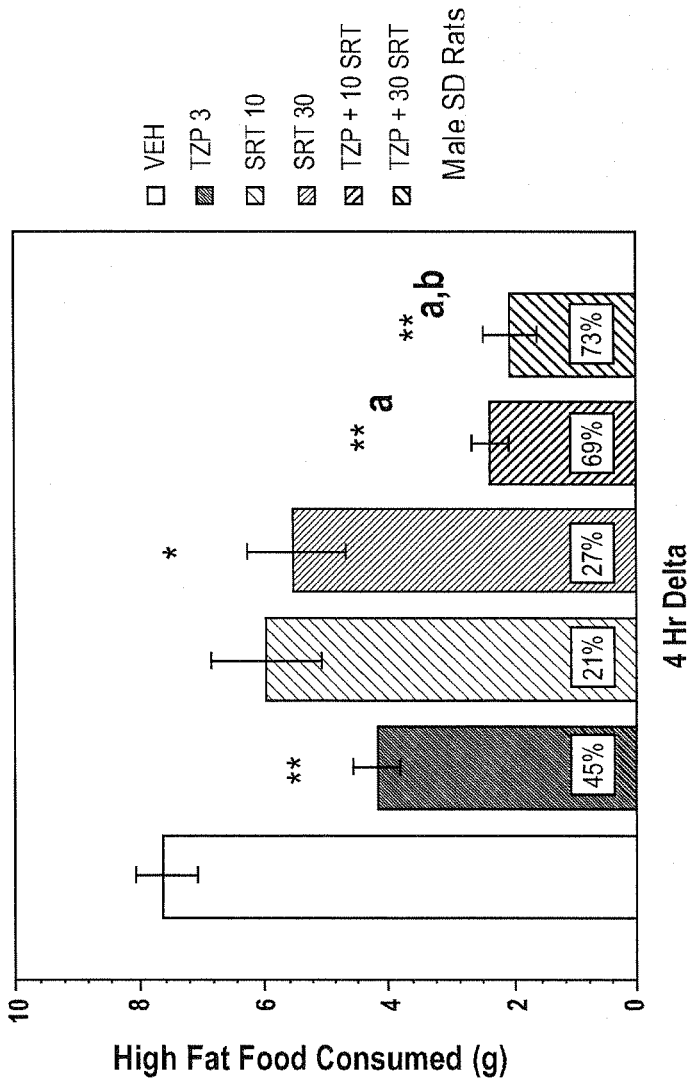

VEH
TZP 3
SRT 10
SRT 30
TZP + 10 SRT
TZP + 30 SRT
Male SD Rats
High Fat Food Consumed (g)
4 Hr Delta
0
2
4
6
8
10
45%
21%
27%
69%
73%
**
*
**
a
**
a,b

FIG. 4

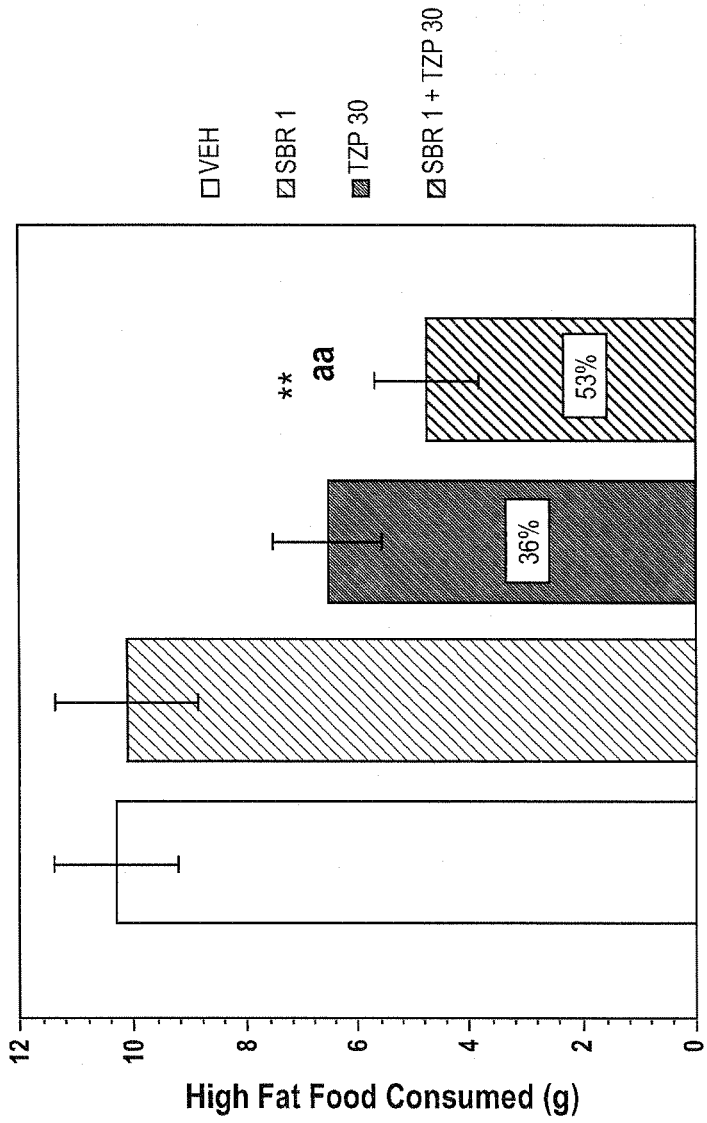

VEH
SBR 1
TZP 30
SBR 1 + TZP 30
**
aa
36%
53%
12
10
8
6
4
2
0
High Fat Food Consumed (g)

FIG. 5

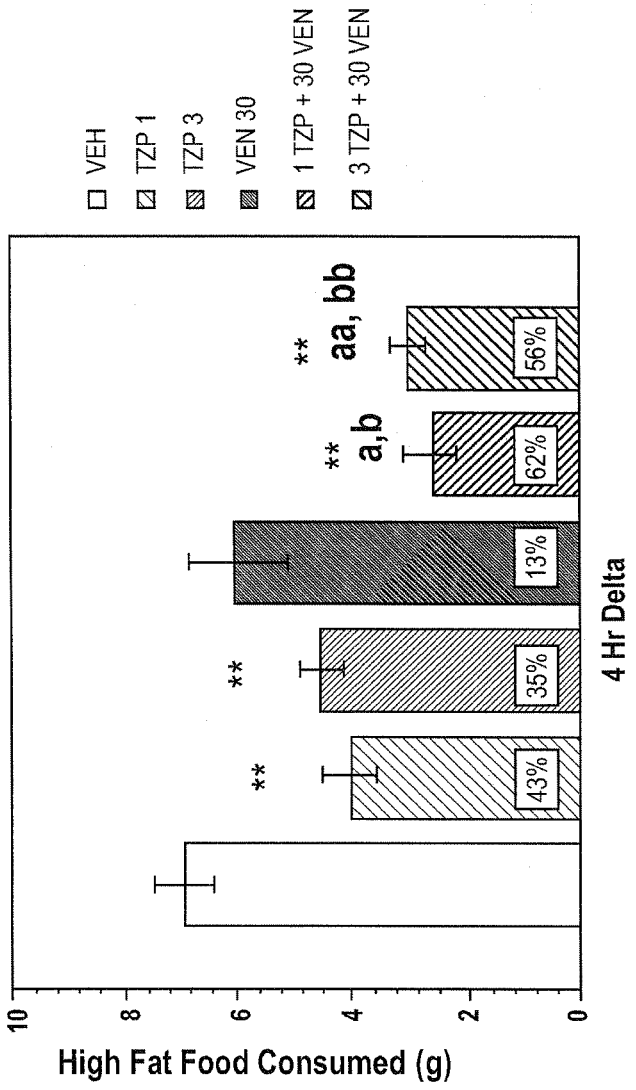

VEH
TZP 1
TZP 3
VEN 30
1 TZP + 30 VEN
3 TZP + 30 VEN
High Fat Food Consumed (g)
10
8
6
4
2
0
**
**
**
**
a,b
aa, bb
43%
35%
13%
62%
56%
4 Hr Delta

FIG. 6

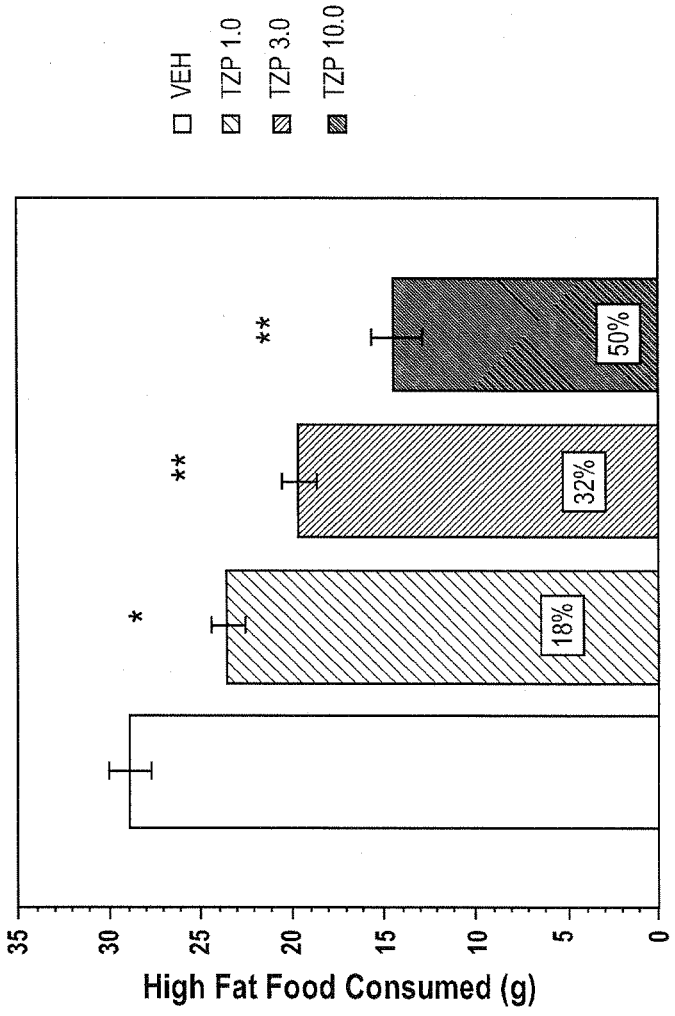

VEH
TZP 1.0
TZP 3.0
TZP 10.0
50%
32%
18%
*
**
**
35
30
25
20
15
10
5
0
High Fat Food Consumed (g)

FIG. 7

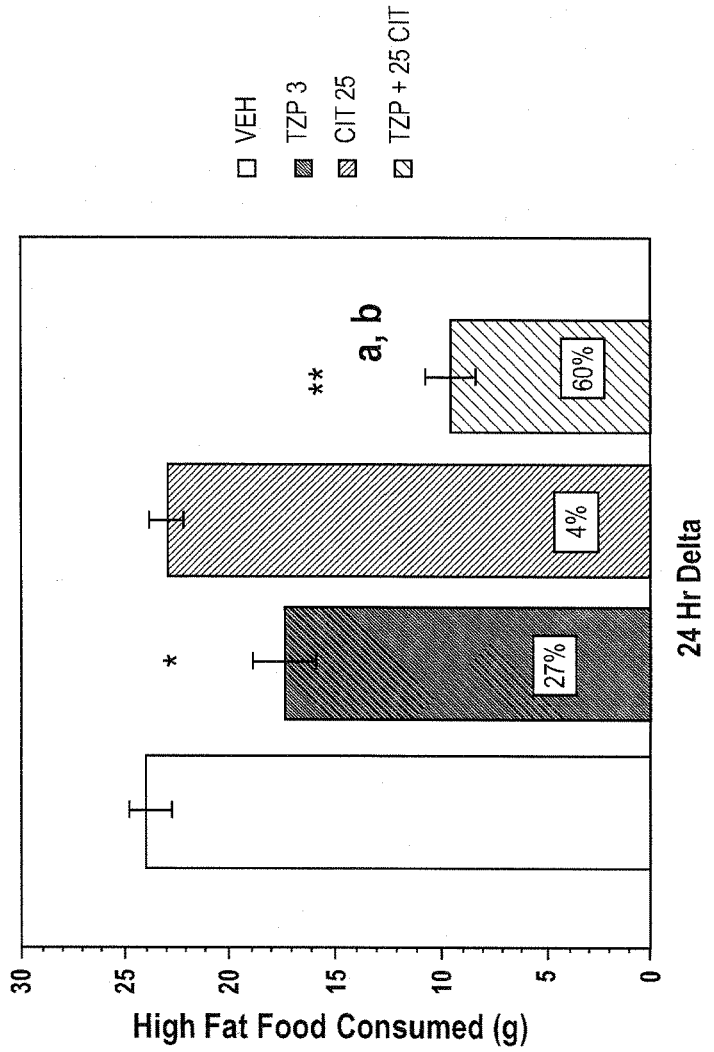

VEH
TZP 3
CIT 25
TZP + 25 CIT
a, b
**
*
60%
4%
27%
24 Hr Delta
High Fat Food Consumed (g)
30
25
20
15
10
5
0

FIG. 8

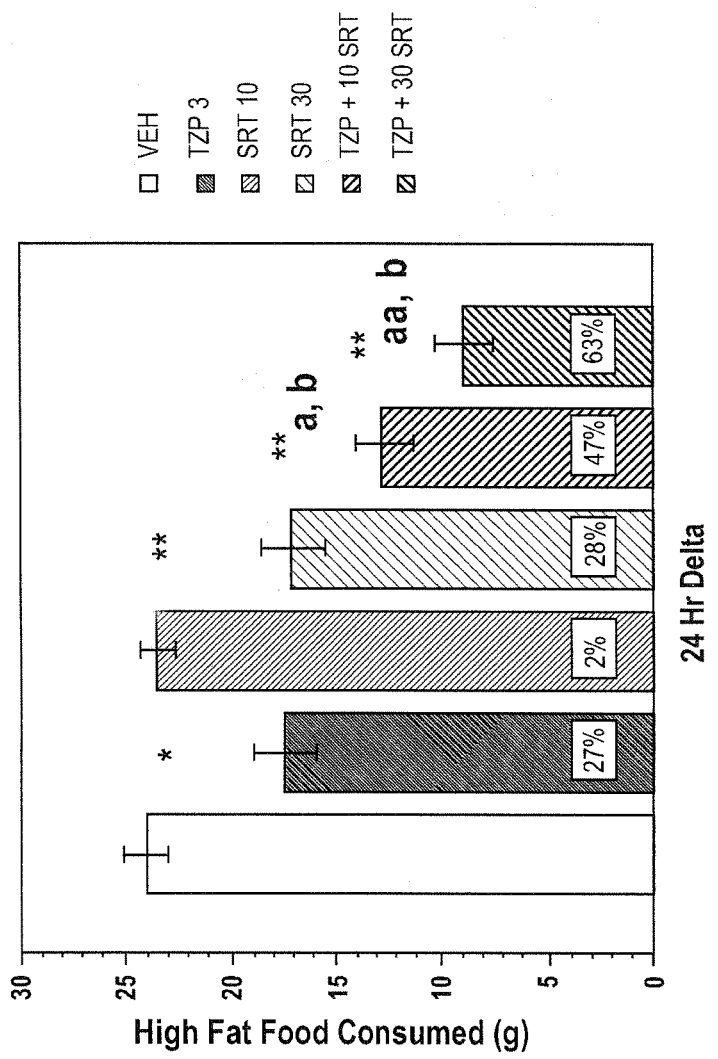

VEH
TZP 3
SRT 10
SRT 30
TZP + 10 SRT
TZP + 30 SRT
High Fat Food Consumed (g)
24 Hr Delta
30
25
20
15
10
5
0
*
**
**
a, b
**
aa, b
27%
2%
28%
47%
63%

FIG. 9

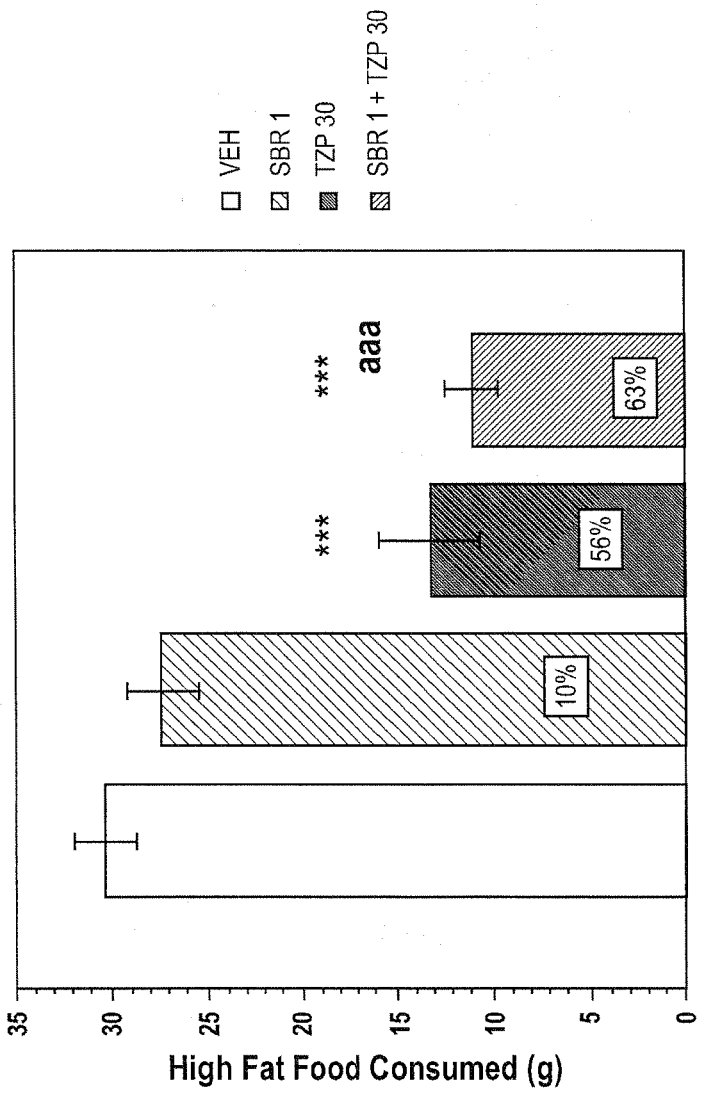

VEH
SBR 1
TZP 30
SBR 1 + TZP 30
***
***
aaa
10%
56%
63%
35
30
25
20
15
10
5
0
High Fat Food Consumed (g)

FIG. 10

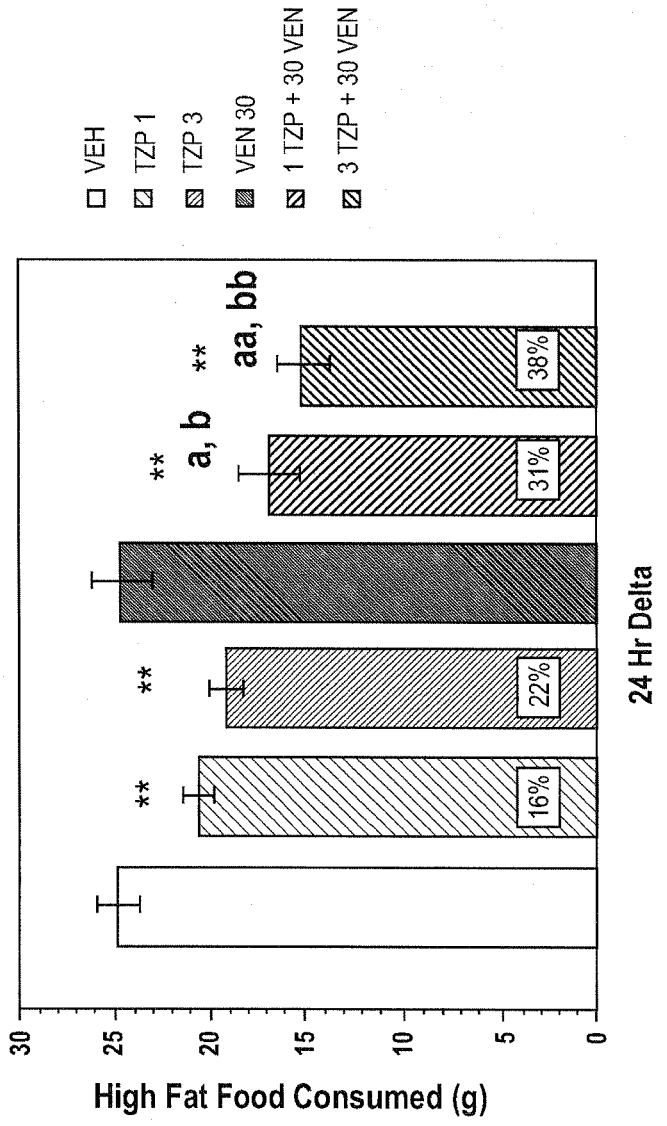

VEH
TZP 1
TZP 3
VEN 30
1 TZP + 30 VEN
3 TZP + 30 VEN
**
**
a, b
**
aa, bb
16%
22%
31%
38%
30
25
20
15
10
5
0
High Fat Food Consumed (g)
24 Hr Delta

FIG. 11

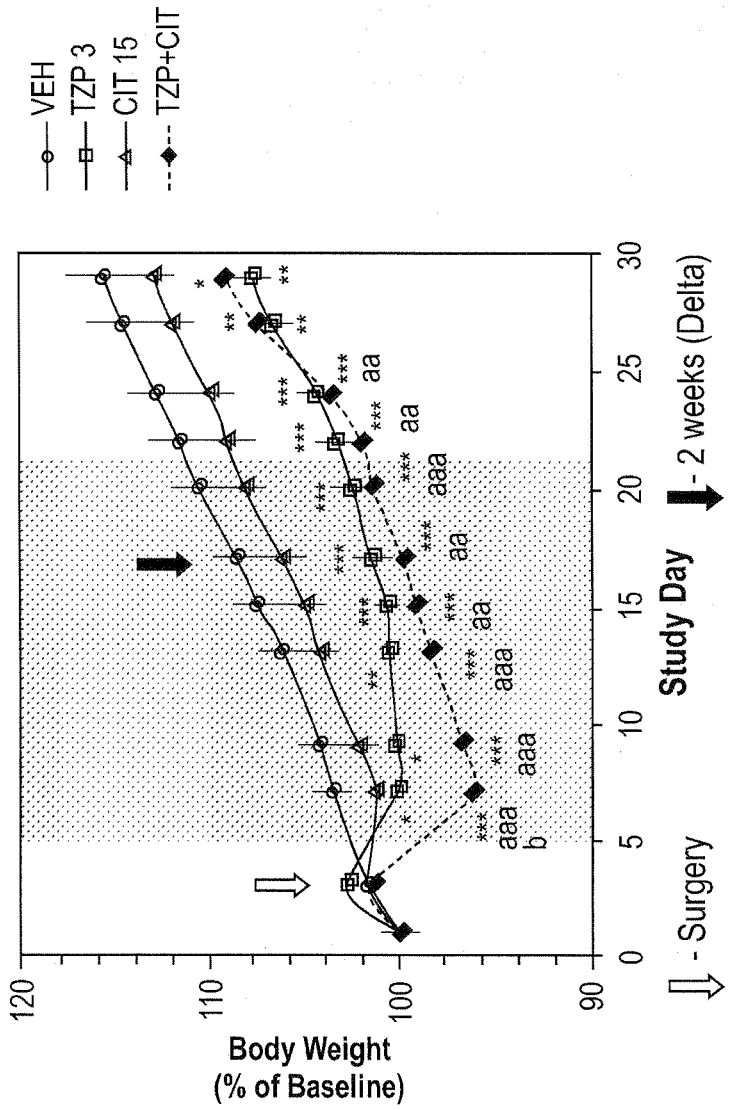

VEH
TZP 3
CIT 15
TZP+CIT
Body Weight
(% of Baseline)
Study Day
- Surgery
- 2 weeks (Delta)

FIG. 12

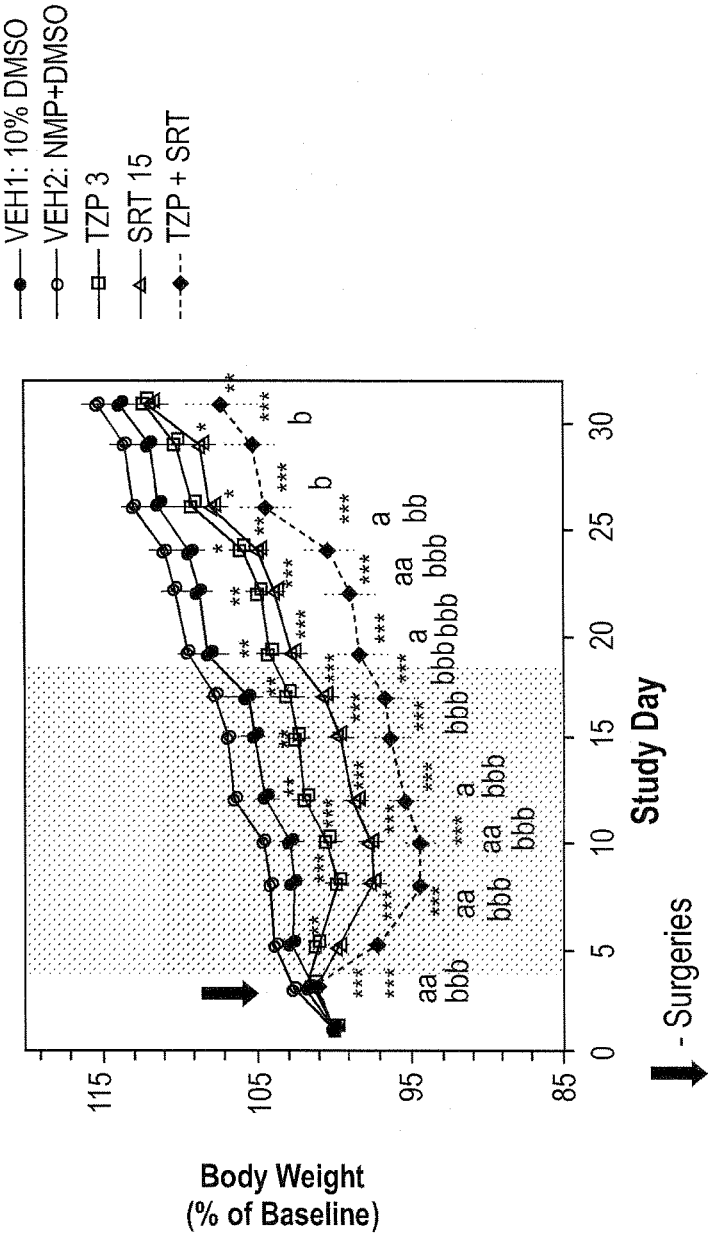

VEH1: 10% DMSO
VEH2: NMP+DMSO
TZP 3
SRT 15
TZP + SRT
Body Weight
(% of Baseline)
Study Day
- Surgeries
115
105
95
85
0
5
10
15
20
25
30

FIG. 13

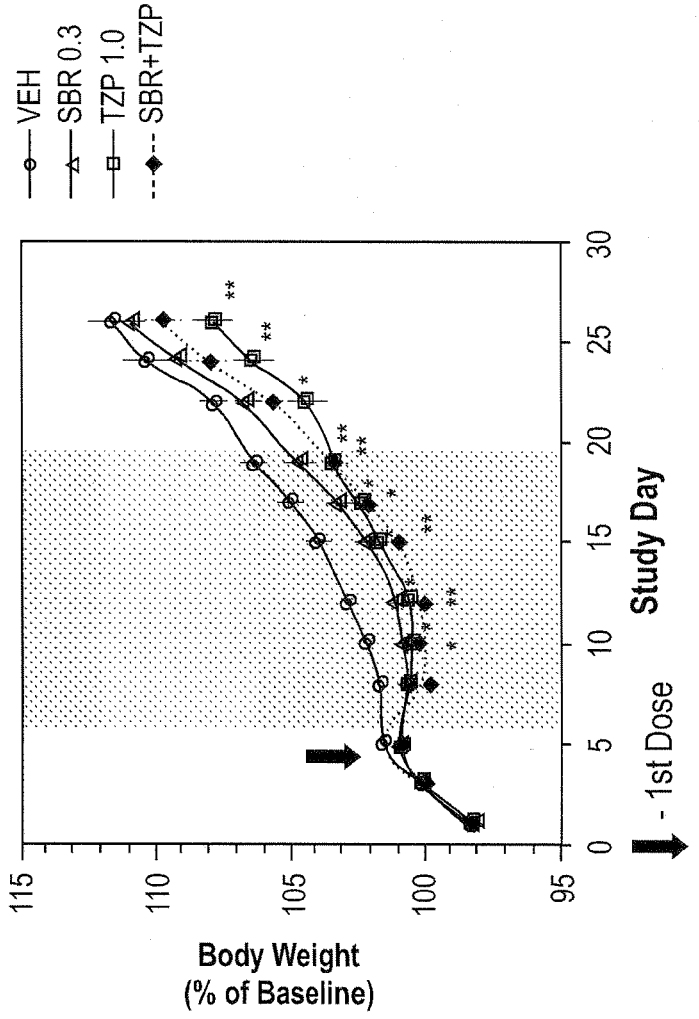

VEH
SBR 0.3
TZP 1.0
SBR+TZP
115
110
105
100
95
0
5
10
15
20
25
30
Study Day
1st Dose
Body Weight
(% of Baseline)

FIG. 14

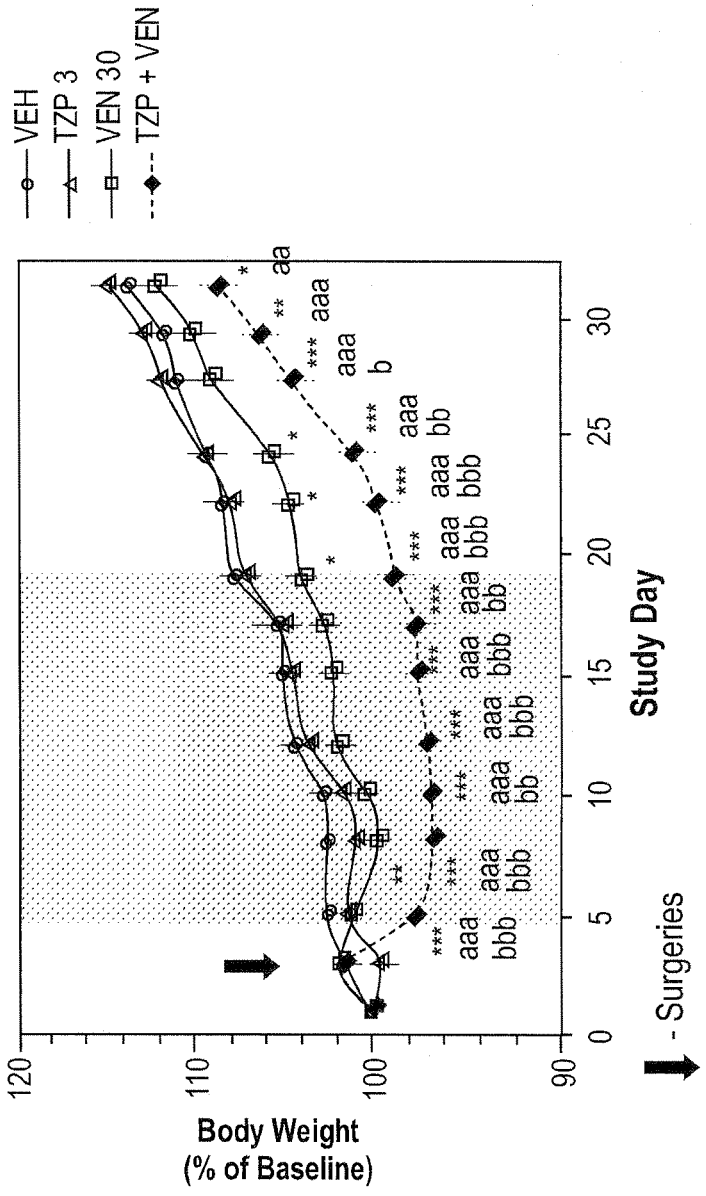

VEH
TZP 3
VEN 30
TZP + VEN
Body Weight
(% of Baseline)
Study Day
- Surgeries
120
110
100
90
0
5
10
15
20
25
30

FIG. 15

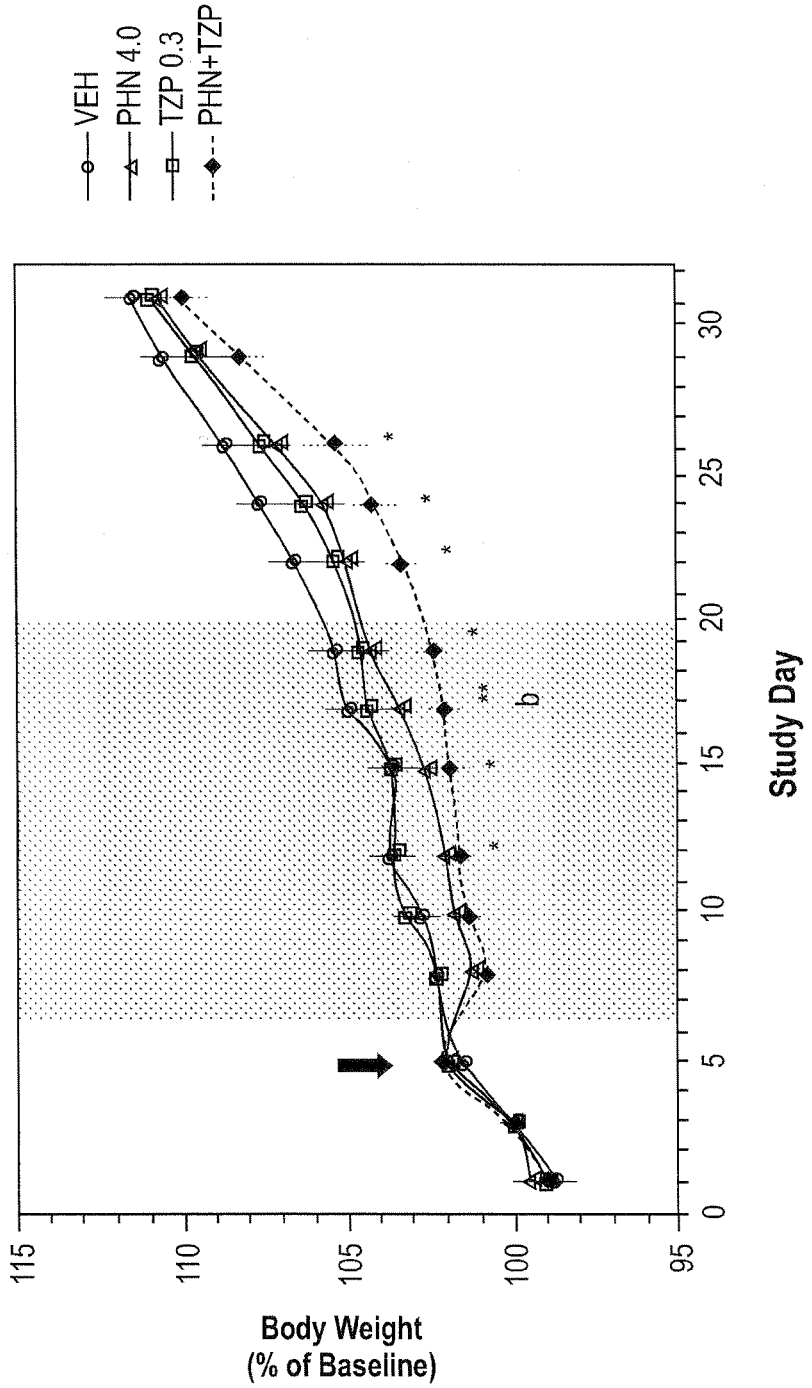

VEH
PHN 4.0
TZP 0.3
PHN+TZP
Body Weight
(% of Baseline)
Study Day
115
110
105
100
95
0
5
10
15
20
25
30
b
*
**

FIG. 1

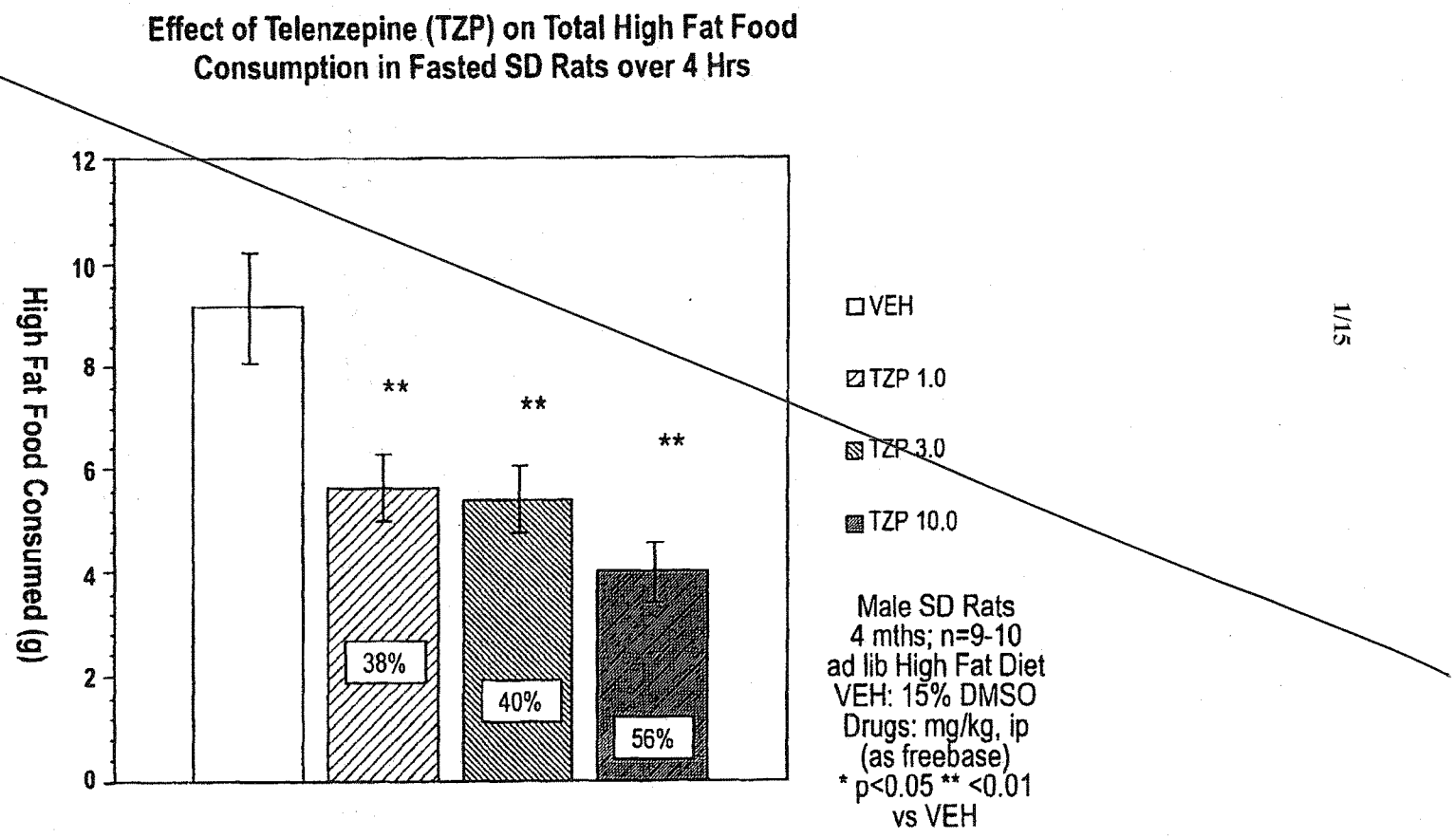

Effect of Telenzepine (TZP) on Total High Fat Food Consumption in Fasted SD Rats over 4 Hrs
High Fat Food Consumed (g)
12
10
8
6
4
2
0
**
**
**
38%
40%
56%
VEH
TZP 1.0
TZP 3.0
TZP 10.0
Male SD Rats
4 mths; n=9-10
ad lib High Fat Diet
VEH: 15% DMSO
Drugs: mg/kg, ip
(as freebase)
* p<0.05 ** <0.01
vs VEH

FIG. 2

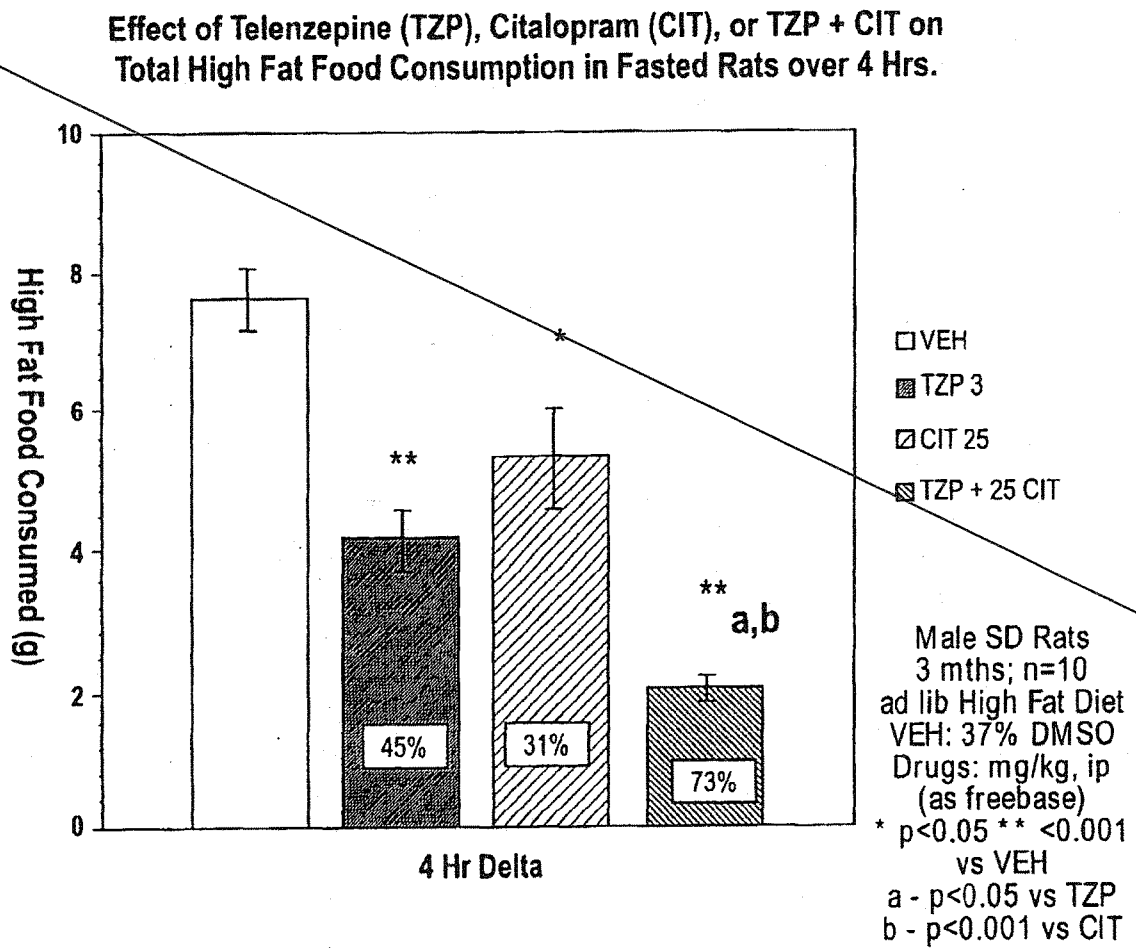

Effect of Telenzepine (TZP), Citalopram (CIT), or TZP + CIT on
Total High Fat Food Consumption in Fasted Rats over 4 Hrs.
High Fat Food Consumed (g)
10
8
6
4
2
0
**
**
a,b
*
45%
31%
73%
4 Hr Delta
VEH
TZP 3
CIT 25
TZP + 25 CIT
Male SD Rats
3 mths; n=10
ad lib High Fat Diet
VEH: 37% DMSO
Drugs: mg/kg, ip
(as freebase)
* p<0.05 ** <0.001
vs VEH
a - p<0.05 vs TZP
b - p<0.001 vs CIT

FIG. 3

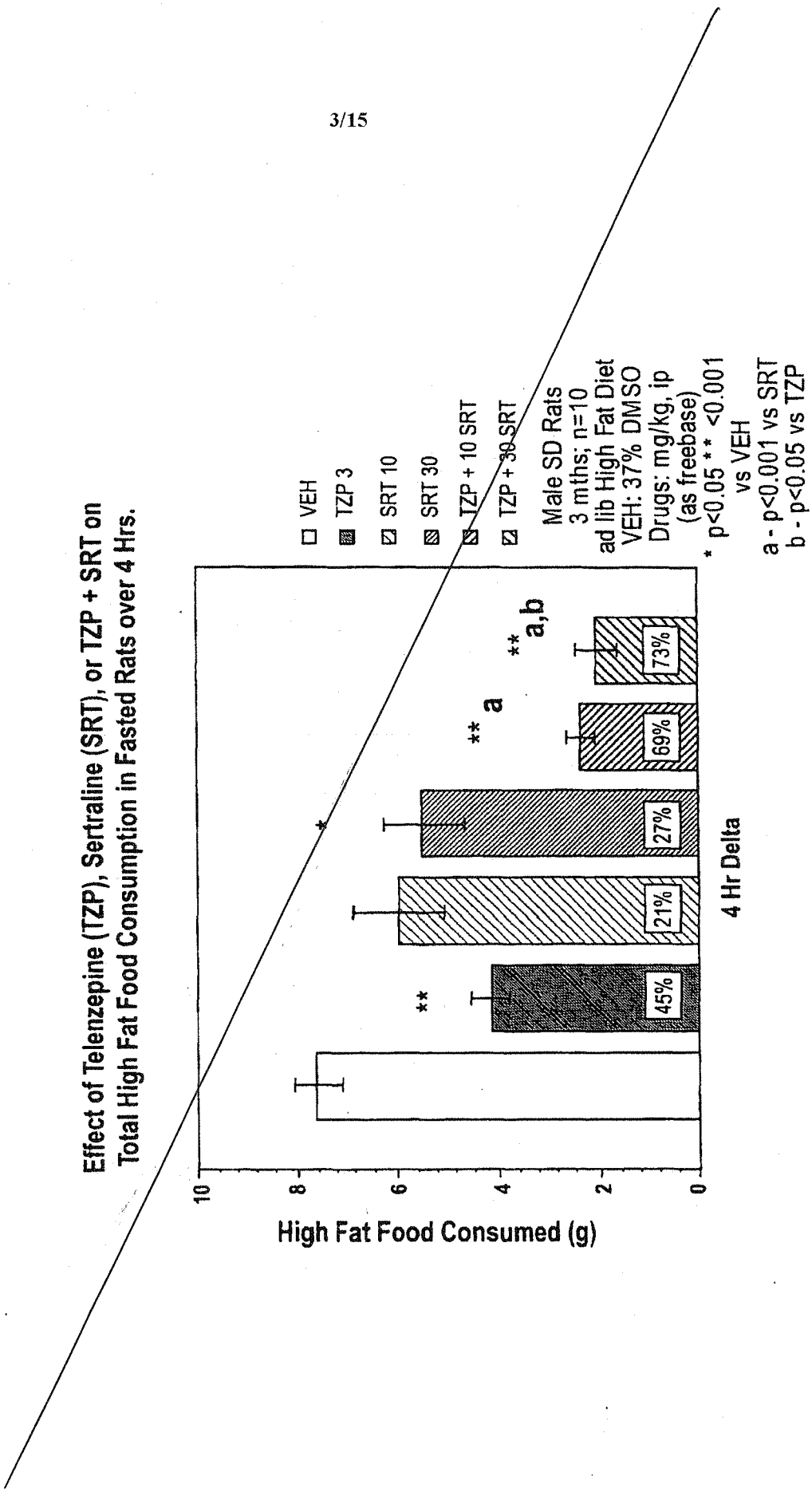

Effect of Telenzepine (TZP), Sertraline (SRT), or TZP + SRT on Total High Fat Food Consumption in Fasted Rats over 4 Hrs.
VEH
TZP 3
SRT 10
SRT 30
TZP + 10 SRT
TZP + 30 SRT
Male SD Rats
3 mths; n=10
ad lib High Fat Diet
VEH: 37% DMSO
Drugs: mg/kg, ip
(as freebase)
* p<0.05 ** <0.001
vs VEH
a - p<0.001 vs SRT
b - p<0.05 vs TZP
High Fat Food Consumed (g)
10
8
6
4
2
0
45%
21%
27%
69%
73%
**
**
a
**
a,b
4 Hr Delta

FIG. 4

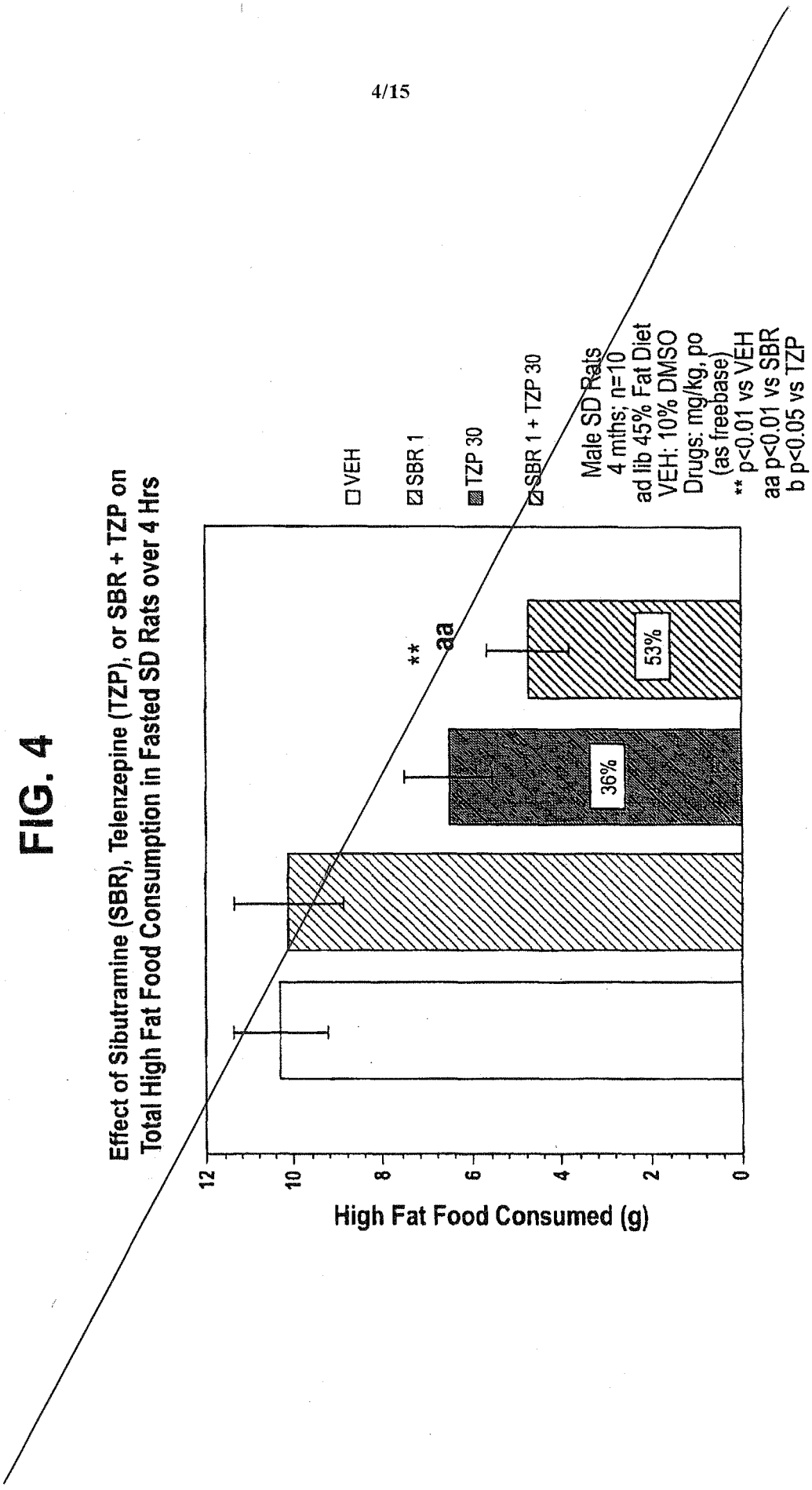

Effect of Sibutramine (SBR), Telenzepine (TZP), or SBR + TZP on Total High Fat Food Consumption in Fasted SD Rats over 4 Hrs
VEH
SBR 1
TZP 30
SBR 1 + TZP 30
Male SD Rats
4 mths; n=10
ad lib 45% Fat Diet
VEH: 10% DMSO
Drugs: mg/kg, po
(as freebase)
** p<0.01 vs VEH
aa p<0.01 vs SBR
b p<0.05 vs TZP
**
aa
36%
53%
High Fat Food Consumed (g)
0
2
4
6
8
10
12

FIG. 5

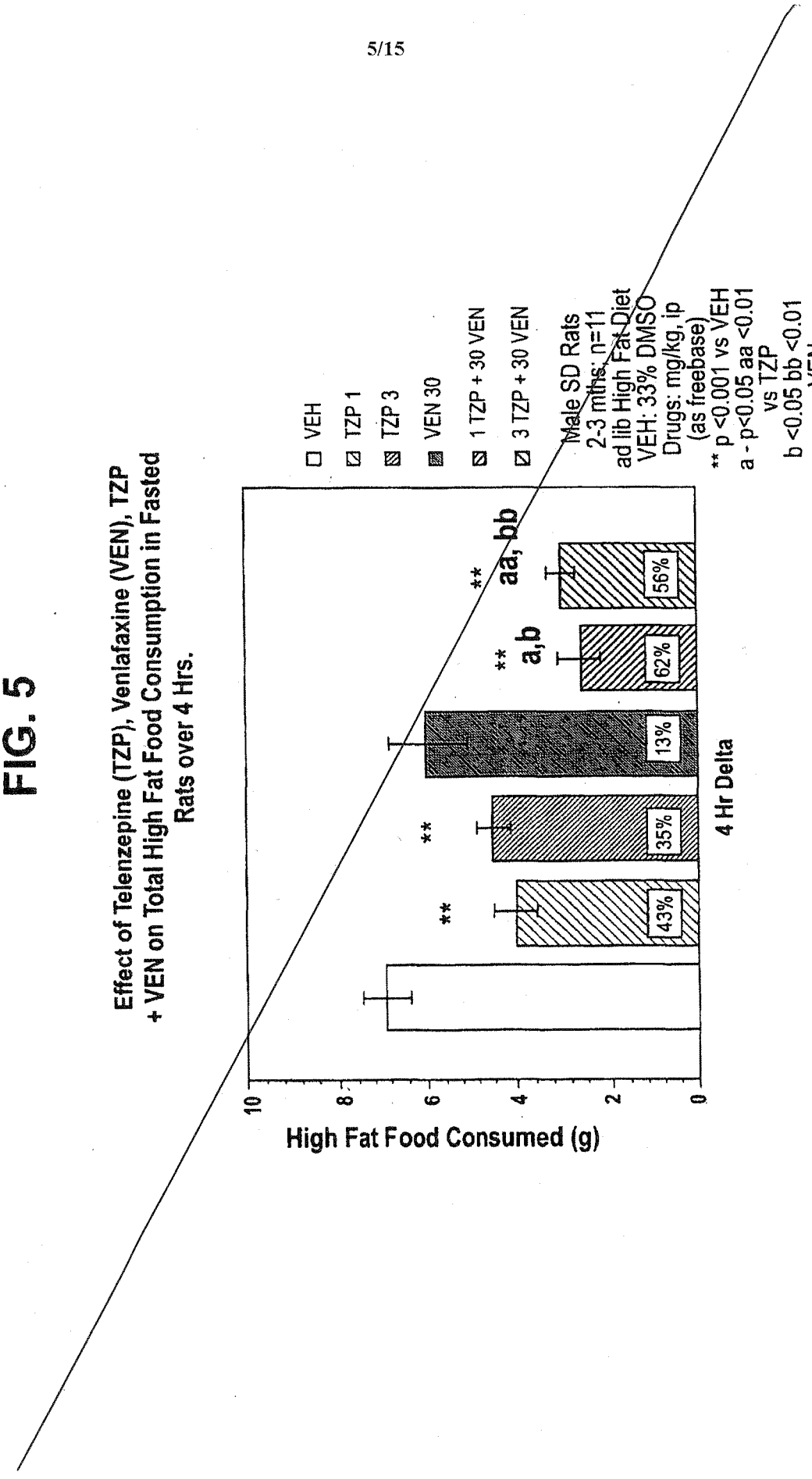

Effect of Telenzepine (TZP), Venlafaxine (VEN), TZP
+ VEN on Total High Fat Food Consumption in Fasted
Rats over 4 Hrs.
VEH
TZP 1
TZP 3
VEN 30
1 TZP + 30 VEN
3 TZP + 30 VEN
Male SD Rats
2-3 mths; n=11
ad lib High Fat Diet
VEH: 33% DMSO
Drugs: mg/kg, ip
(as freebase)
** p <0.001 vs VEH
a - p<0.05 aa <0.01
vs TZP
b <0.05 bb <0.01
vs VEN
High Fat Food Consumed (g)
10
8
6
4
2
0
**
**
**
**
a,b
aa, bb
43%
35%
13%
62%
56%
4 Hr Delta

FIG. 6

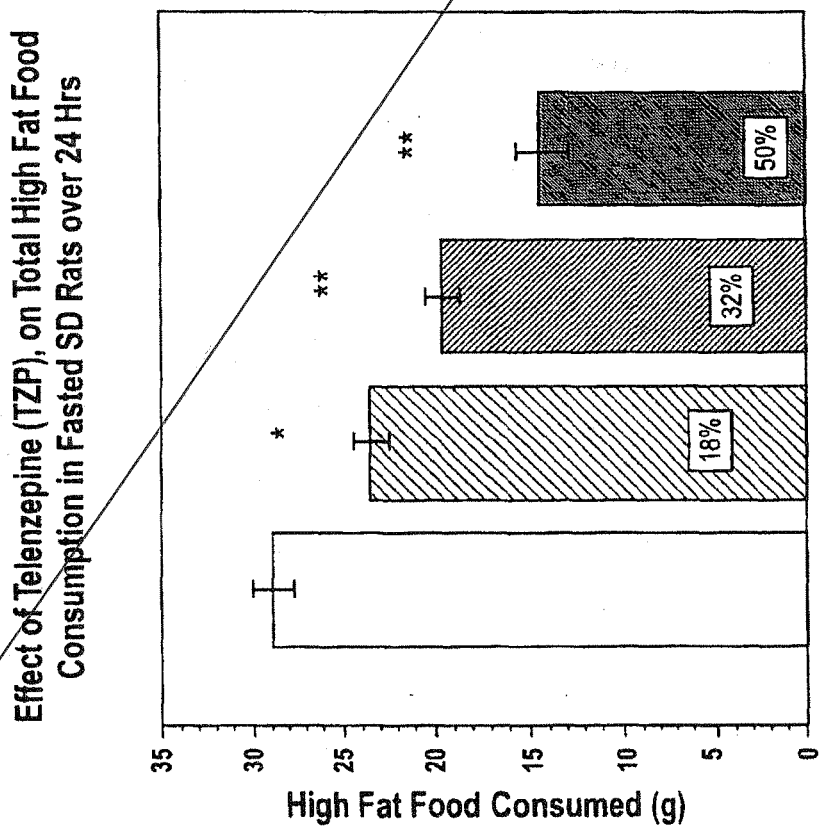

Effect of Telenzepine (TZP), on Total High Fat Food Consumption in Fasted SD Rats over 24 Hrs
VEH
TZP 1.0
TZP 3.0
TZP 10.0
Male SD Rats
4 mths; n=9-10
ad lib High Fat Diet
VEH: 15% DMSO
Drugs: mg/kg, ip
(as freebase)
18%
32%
50%
*
**
**
High Fat Food Consumed (g)
0
5
10
15
20
25
30
35

FIG. 7

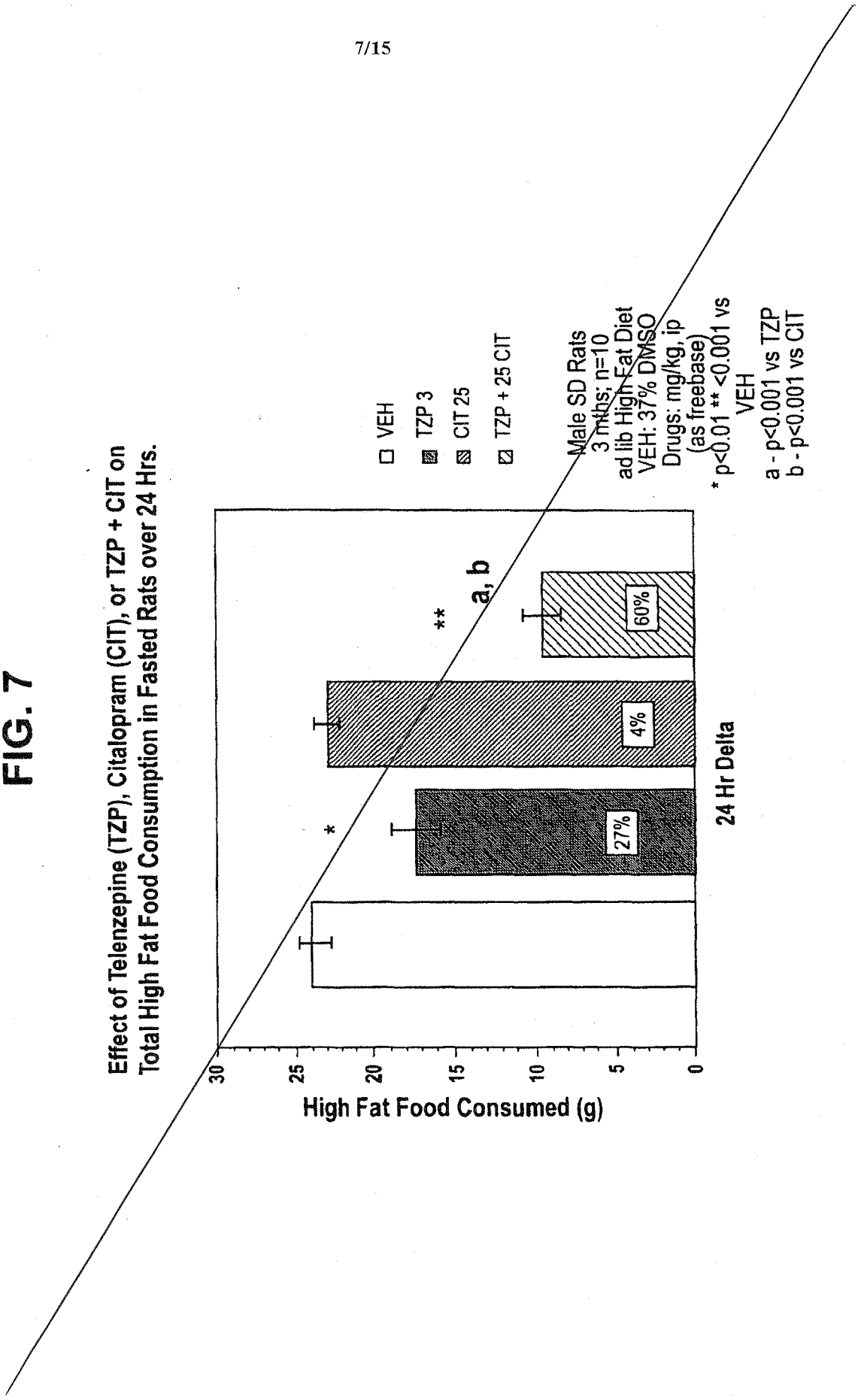

Effect of Telenzepine (TZP), Citalopram (CIT), or TZP + CIT on Total High Fat Food Consumption in Fasted Rats over 24 Hrs.
VEH
TZP 3
CIT 25
TZP + 25 CIT
Male SD Rats
3 mths; n=10
ad lib High Fat Diet
VEH: 37% DMSO
Drugs: mg/kg, ip
(as freebase)
* p<0.01 ** <0.001 vs VEH
a - p<0.001 vs TZP
b - p<0.001 vs CIT
High Fat Food Consumed (g)
30
25
20
15
10
5
0
*
**
a, b
27%
4%
60%
24 Hr Delta

FIG. 8

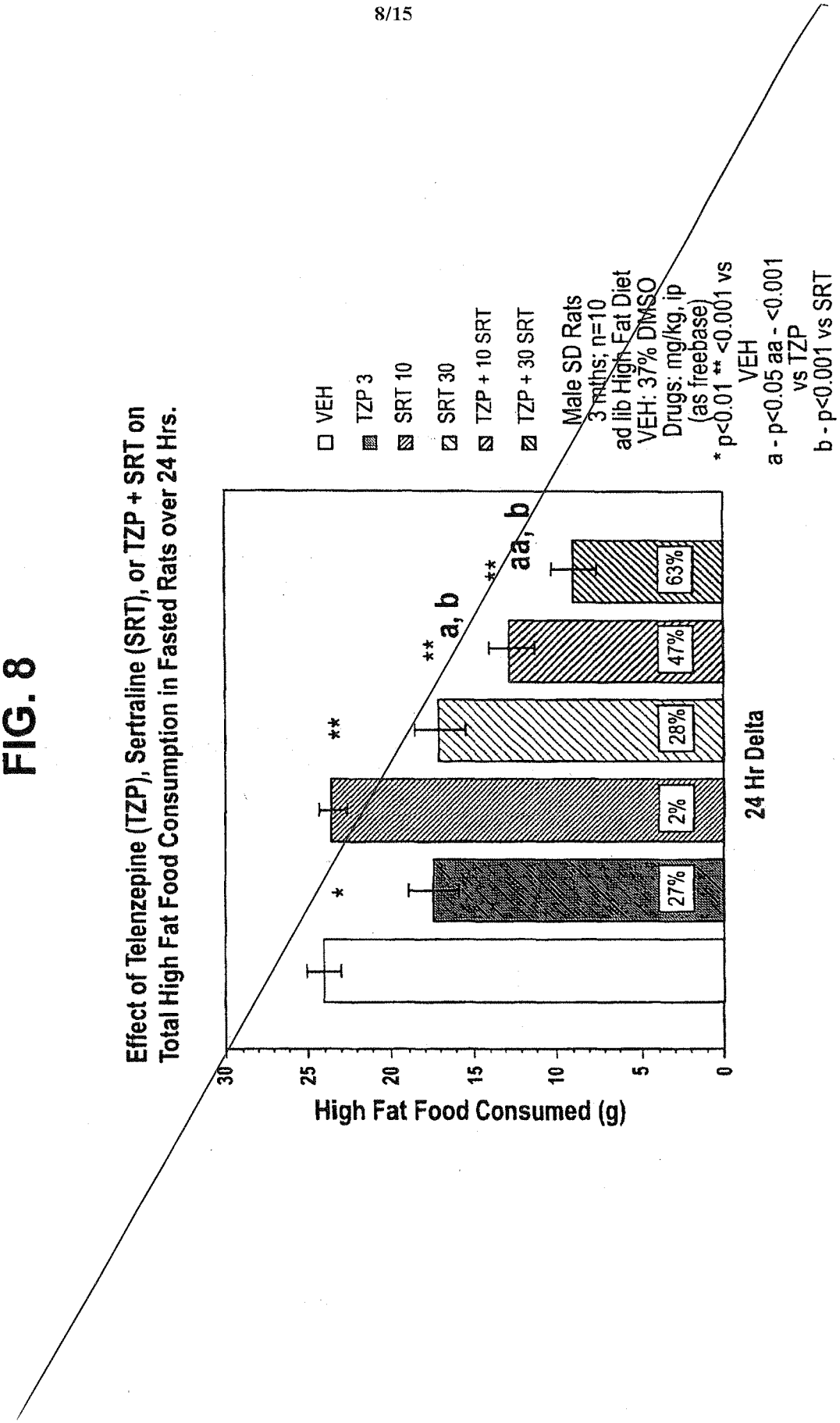

Effect of Telenzepine (TZP), Sertraline (SRT), or TZP + SRT on Total High Fat Food Consumption in Fasted Rats over 24 Hrs.
VEH
TZP 3
SRT 10
SRT 30
TZP + 10 SRT
TZP + 30 SRT
Male SD Rats
3 mths; n=10
ad lib High Fat Diet
VEH: 37% DMSO
Drugs: mg/kg, ip
(as freebase)
* p<0.01 ** <0.001 vs VEH
a - p<0.05 aa - <0.001 vs TZP
b - p<0.001 vs SRT
High Fat Food Consumed (g)
24 Hr Delta
27%
2%
28%
47%
63%
*
**
a, b
aa, b

FIG. 9

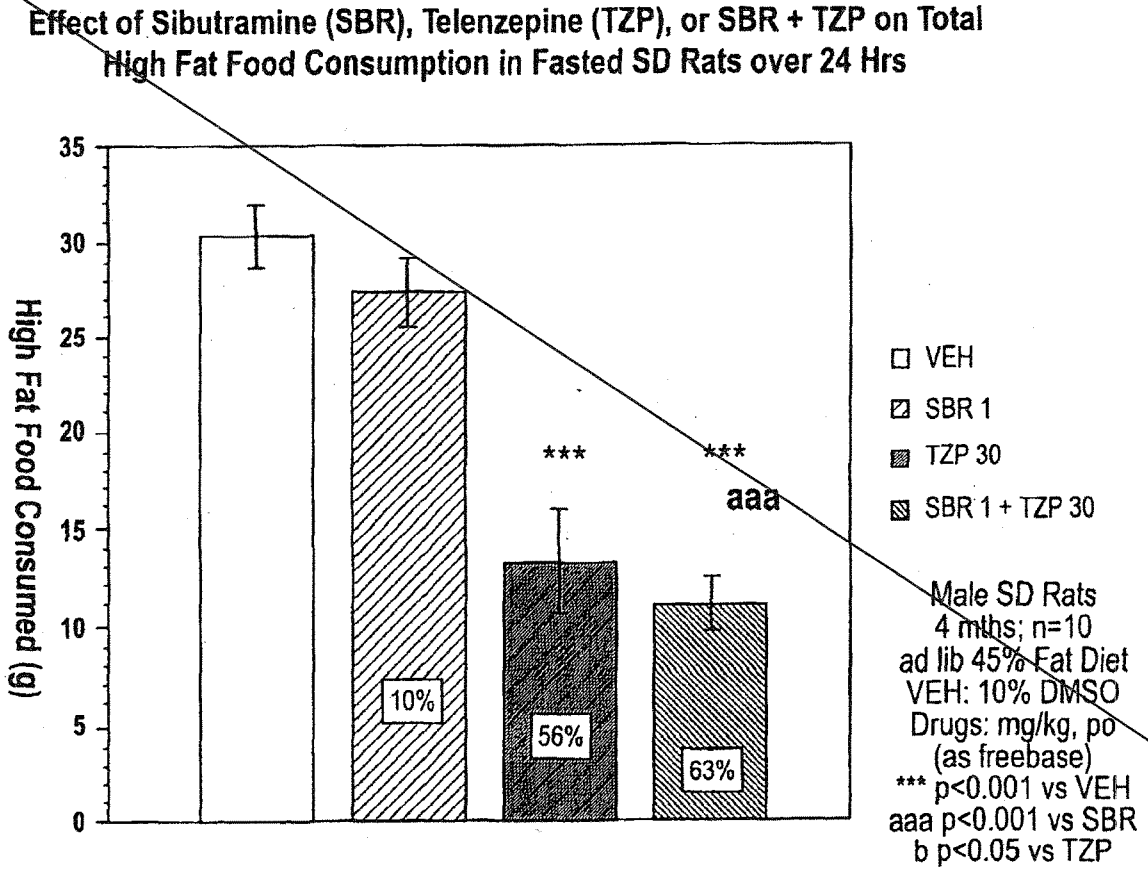

Effect of Sibutramine (SBR), Telenzepine (TZP), or SBR + TZP on Total High Fat Food Consumption in Fasted SD Rats over 24 Hrs
High Fat Food Consumed (g)
35
30
25
20
15
10
5
0
10%
56%
63%
***
***
aaa
VEH
SBR 1
TZP 30
SBR 1 + TZP 30
Male SD Rats
4 mths; n=10
ad lib 45% Fat Diet
VEH: 10% DMSO
Drugs: mg/kg, po
(as freebase)
*** p<0.001 vs VEH
aaa p<0.001 vs SBR
b p<0.05 vs TZP

FIG. 10

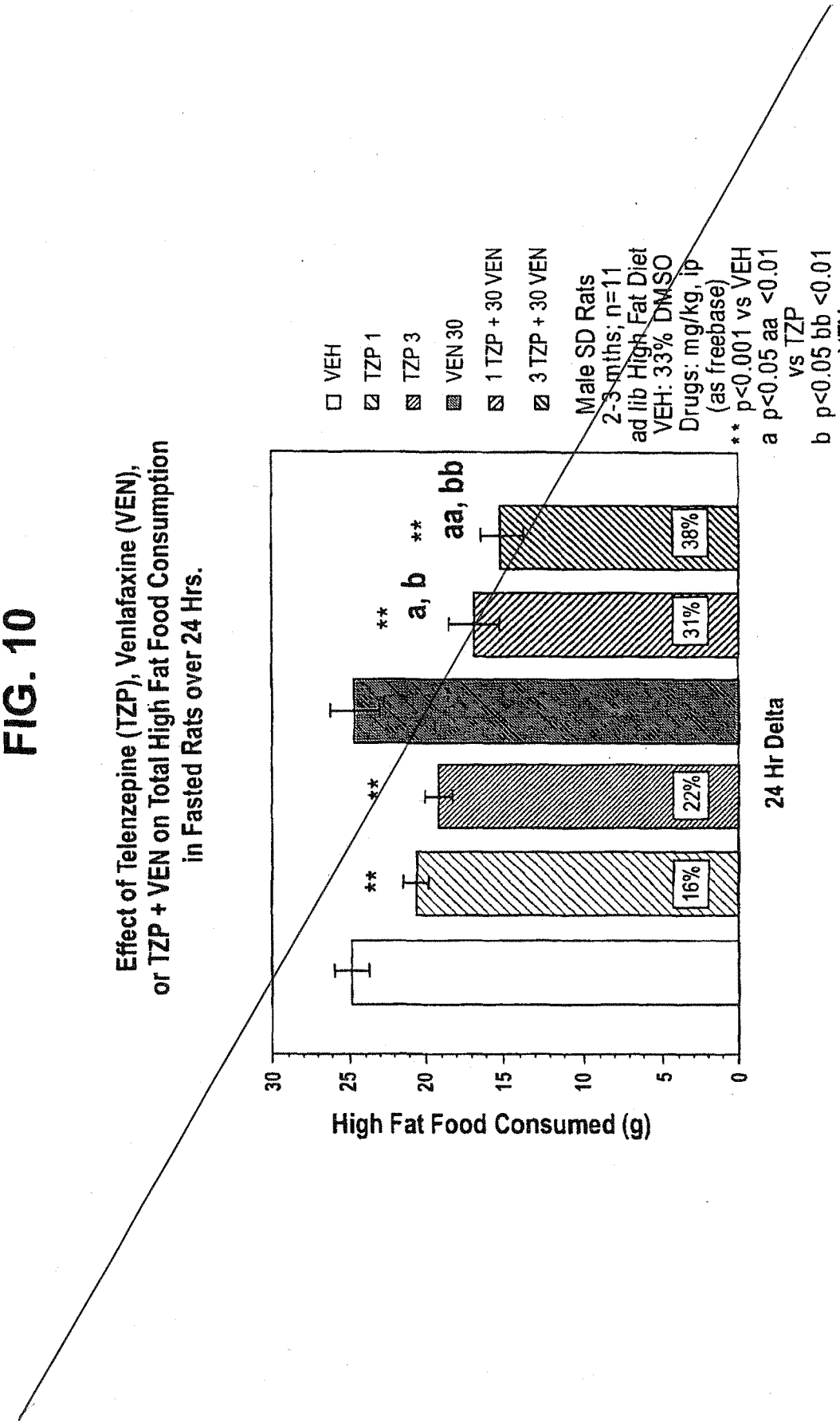

Effect of Telenzepine (TZP), Venlafaxine (VEN),
or TZP + VEN on Total High Fat Food Consumption
in Fasted Rats over 24 Hrs.
VEH
TZP 1
TZP 3
VEN 30
1 TZP + 30 VEN
3 TZP + 30 VEN
Male SD Rats
2-3 mths; n=11
ad lib High Fat Diet
VEH: 33% DMSO
Drugs: mg/kg, ip
(as freebase)
** p<0.001 vs VEH
a p<0.05 aa <0.01
vs TZP
b p<0.05 bb <0.01
vs VEN
High Fat Food Consumed (g)
30
25
20
15
10
5
0
**
**
**
a, b
aa, bb
16%
22%
31%
38%
24 Hr Delta

FIG. 11

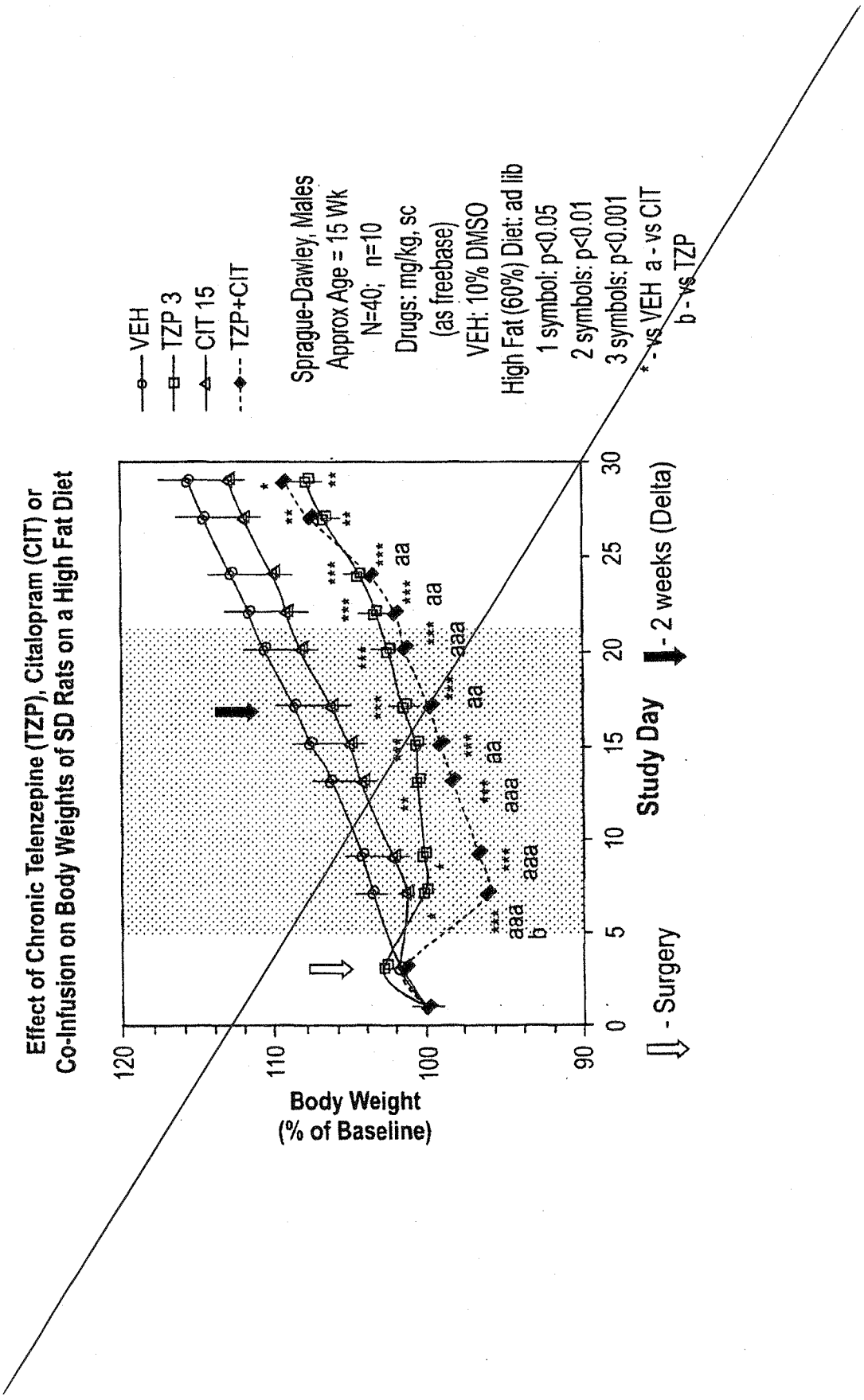

Effect of Chronic Telenzepine (TZP), Citalopram (CIT) or Co-Infusion on Body Weights of SD Rats on a High Fat Diet
VEH
TZP 3
CIT 15
TZP+CIT
Sprague-Dawley, Males
Approx Age = 15 Wk
N=40; n=10
Drugs: mg/kg, sc
(as freebase)
VEH: 10% DMSO
High Fat (60%) Diet: ad lib
1 symbol: p<0.05
2 symbols: p<0.01
3 symbols: p<0.001
* - vs VEH a - vs CIT
b - vs TZP
Body Weight
(% of Baseline)
Study Day
- Surgery
- 2 weeks (Delta)

FIG. 12

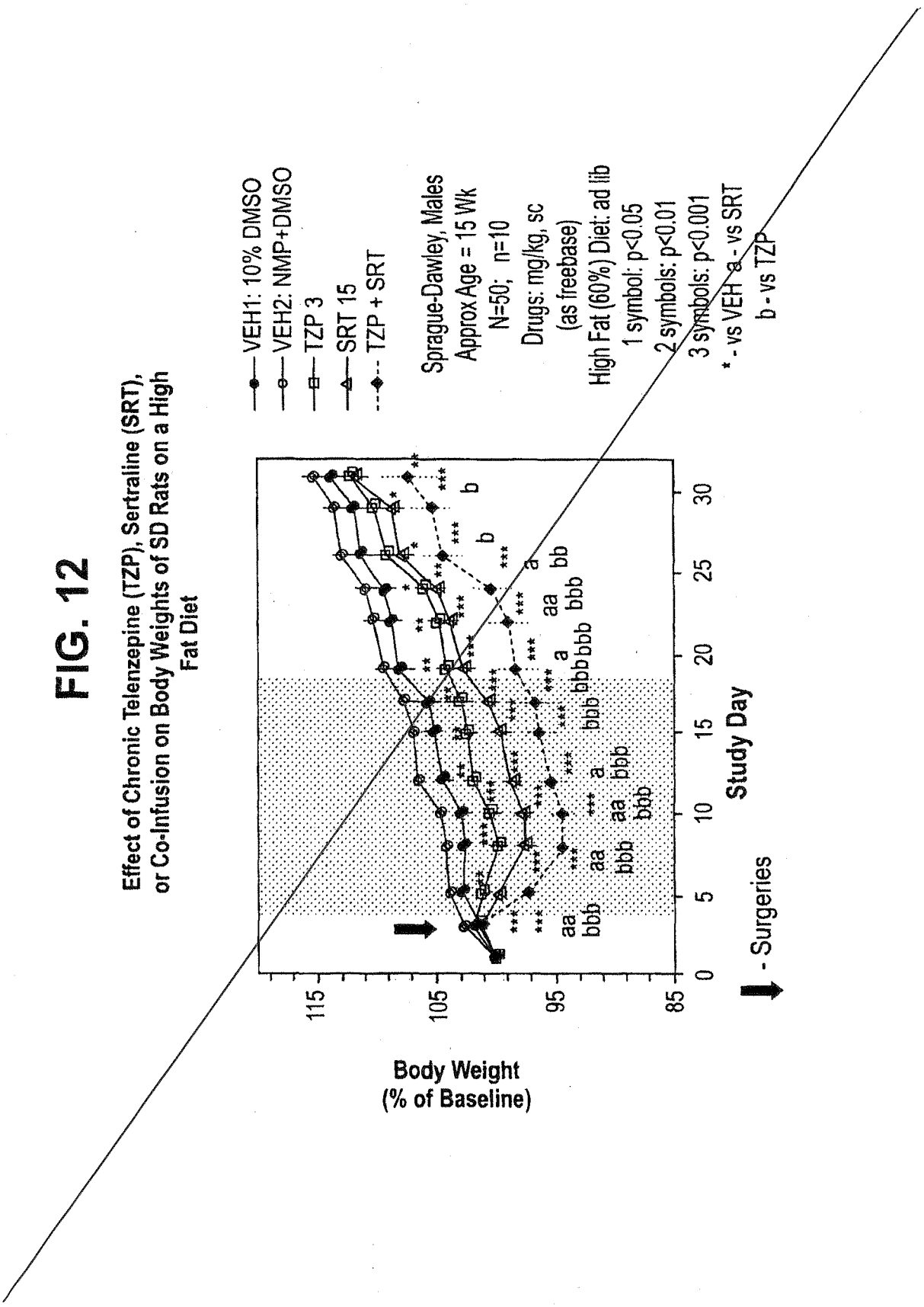

Effect of Chronic Telenzepine (TZP), Sertraline (SRT), or Co-Infusion on Body Weights of SD Rats on a High Fat Diet
VEH1: 10% DMSO
VEH2: NMP+DMSO
TZP 3
SRT 15
TZP + SRT
Sprague-Dawley, Males
Approx Age = 15 Wk
N=50; n=10
Drugs: mg/kg, sc
(as freebase)
High Fat (60%) Diet: ad lib
1 symbol: p<0.05
2 symbols: p<0.01
3 symbols: p<0.001
* - vs VEH a - vs SRT
b - vs TZP
Body Weight
(% of Baseline)
Study Day
- Surgeries

FIG. 13

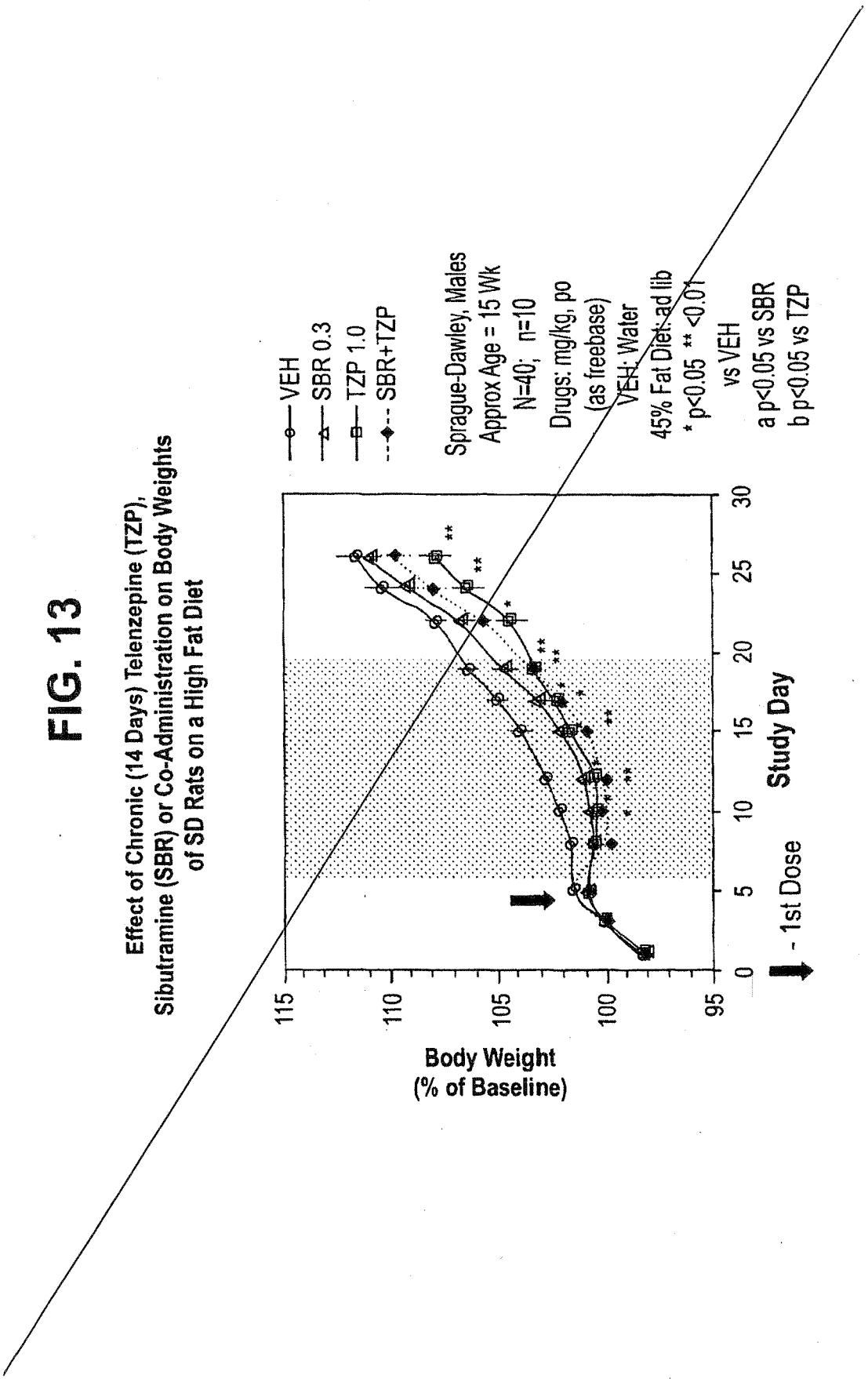

Effect of Chronic (14 Days) Telenzepine (TZP), Sibutramine (SBR) or Co-Administration on Body Weights of SD Rats on a High Fat Diet
VEH
SBR 0.3
TZP 1.0
SBR+TZP
Sprague-Dawley, Males
Approx Age = 15 Wk
N=40; n=10
Drugs: mg/kg, po
(as freebase)
VEH: Water
45% Fat Diet: ad lib
* p<0.05 ** <0.01
vs VEH
a p<0.05 vs SBR
b p<0.05 vs TZP
Body Weight
(% of Baseline)
115
110
105
100
95
0
5
10
15
20
25
30
Study Day
- 1st Dose

FIG. 14

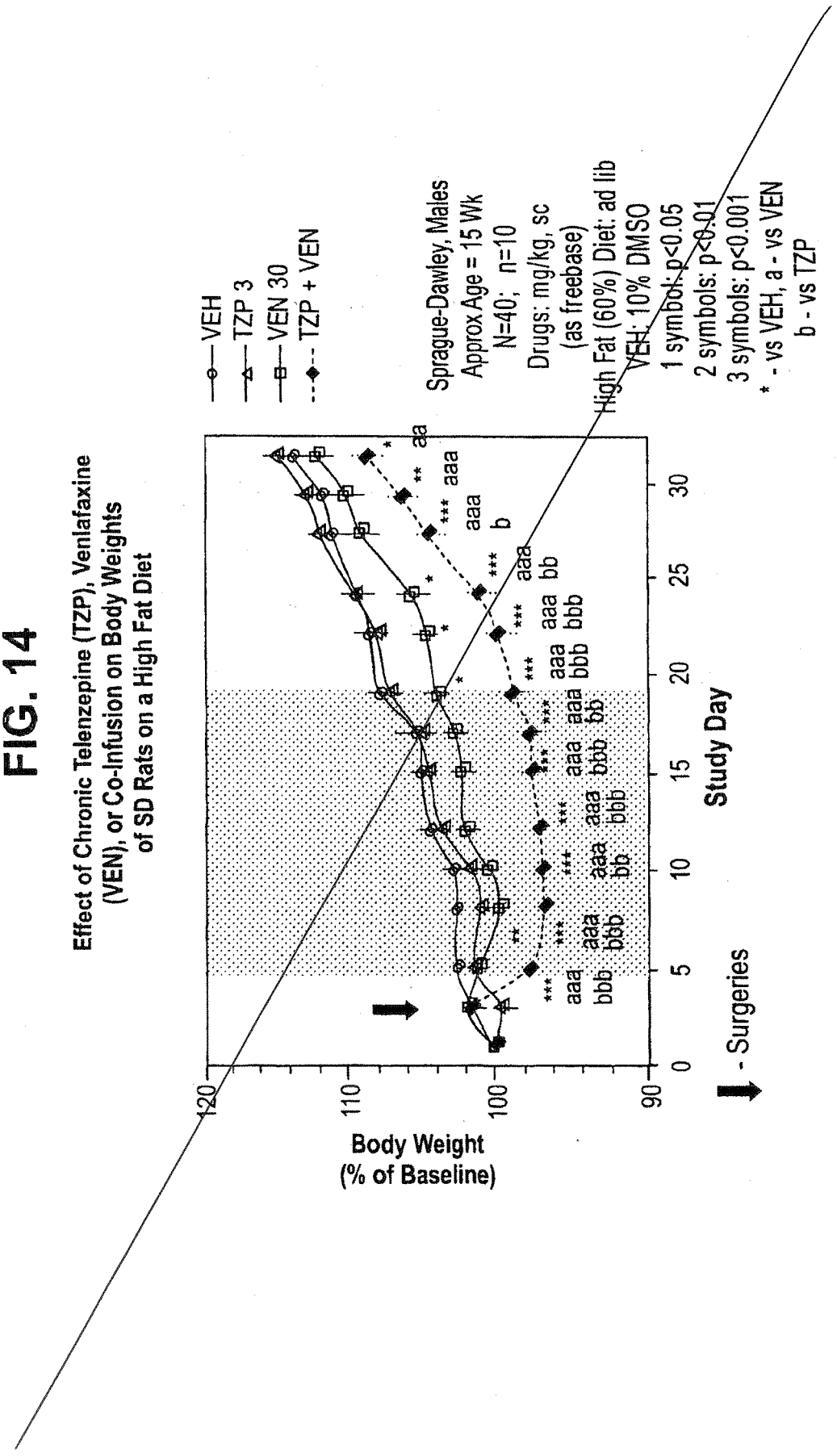

Effect of Chronic Telenzepine (TZP), Venlafaxine (VEN), or Co-Infusion on Body Weights of SD Rats on a High Fat Diet
VEH
TZP 3
VEN 30
TZP + VEN
Sprague-Dawley, Males
Approx Age = 15 Wk
N=40; n=10
Drugs: mg/kg, sc
(as freebase)
High Fat (60%) Diet: ad lib
VEH: 10% DMSO
1 symbol: p<0.05
2 symbols: p<0.01
3 symbols: p<0.001
* - vs VEH, a - vs VEN
b - vs TZP
Body Weight
(% of Baseline)
Study Day
- Surgeries

FIG. 15

Effect of Chronic Telenzepine (TZP), Phentermine (PHN), Telenzepine or Co-Infusion on Body Weights of SD Rats on a High Fat Diet

