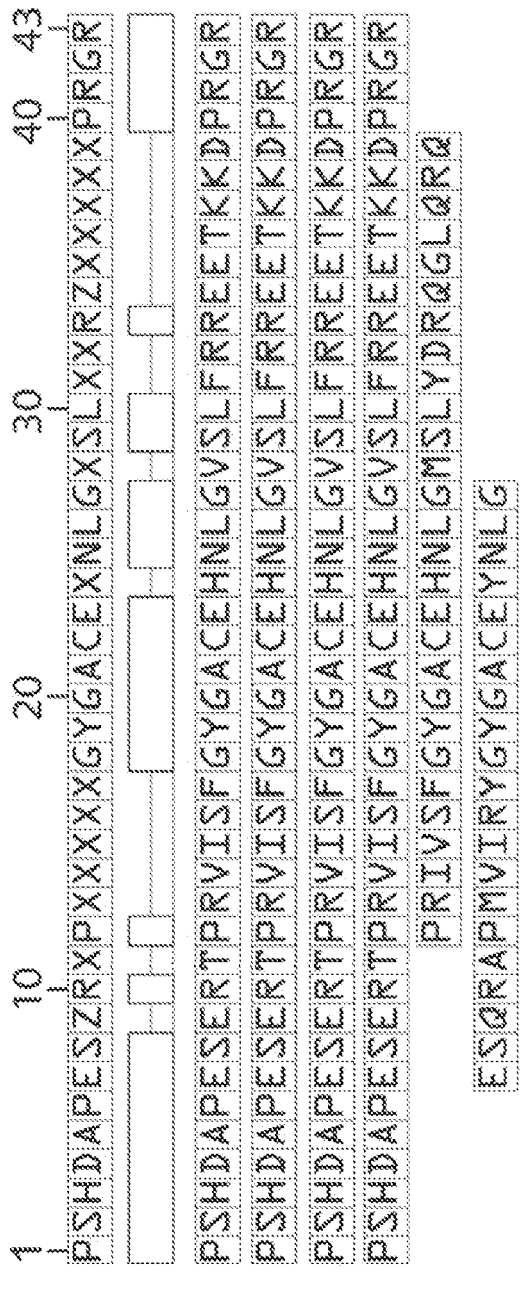


Consensus (SEQ ID NO: 38)

Identity

1. Toxoplasma gondii ME49 - XM_002370197 - rhomboid-like protease 5 (SEQ ID NO: 2)
2. Toxoplasma gondii - AY634626 - rhomboid-like protease 5 (SEQ ID NO: 2)
3. Toxoplasma gondii - AY687208 - rhomboid protease 5 (SEQ ID NO: 2)
4. Toxoplasma gondii RH - AM055942 - rhomboid-like protease 5 (SEQ ID NO: 2)
5. Neospora caninum Liverpool - FR823380 - putative rhomboid-like protease (SEQ ID NO: 3)
6. Eimeria tenella - JN558353 - rhomboid-like protease 4 translation (SEQ ID NO: 4)

Fig. 1

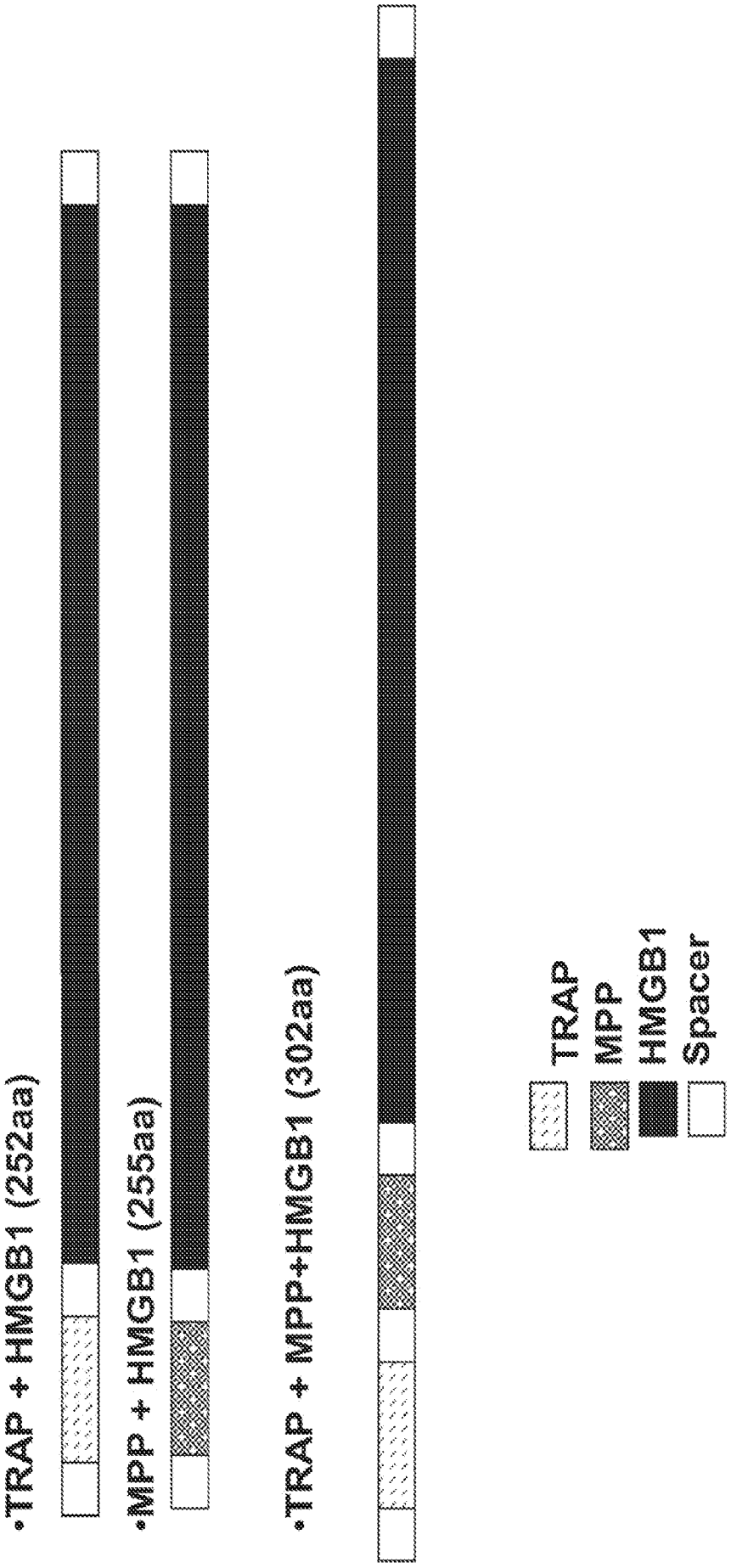

•TRAP + HMGB1 (252aa)
•MPP + HMGB1 (255aa)
•TRAP + MPP+HMGB1 (302aa)
TRAP
MPP
HMGB1
Spacer

Fig. 2

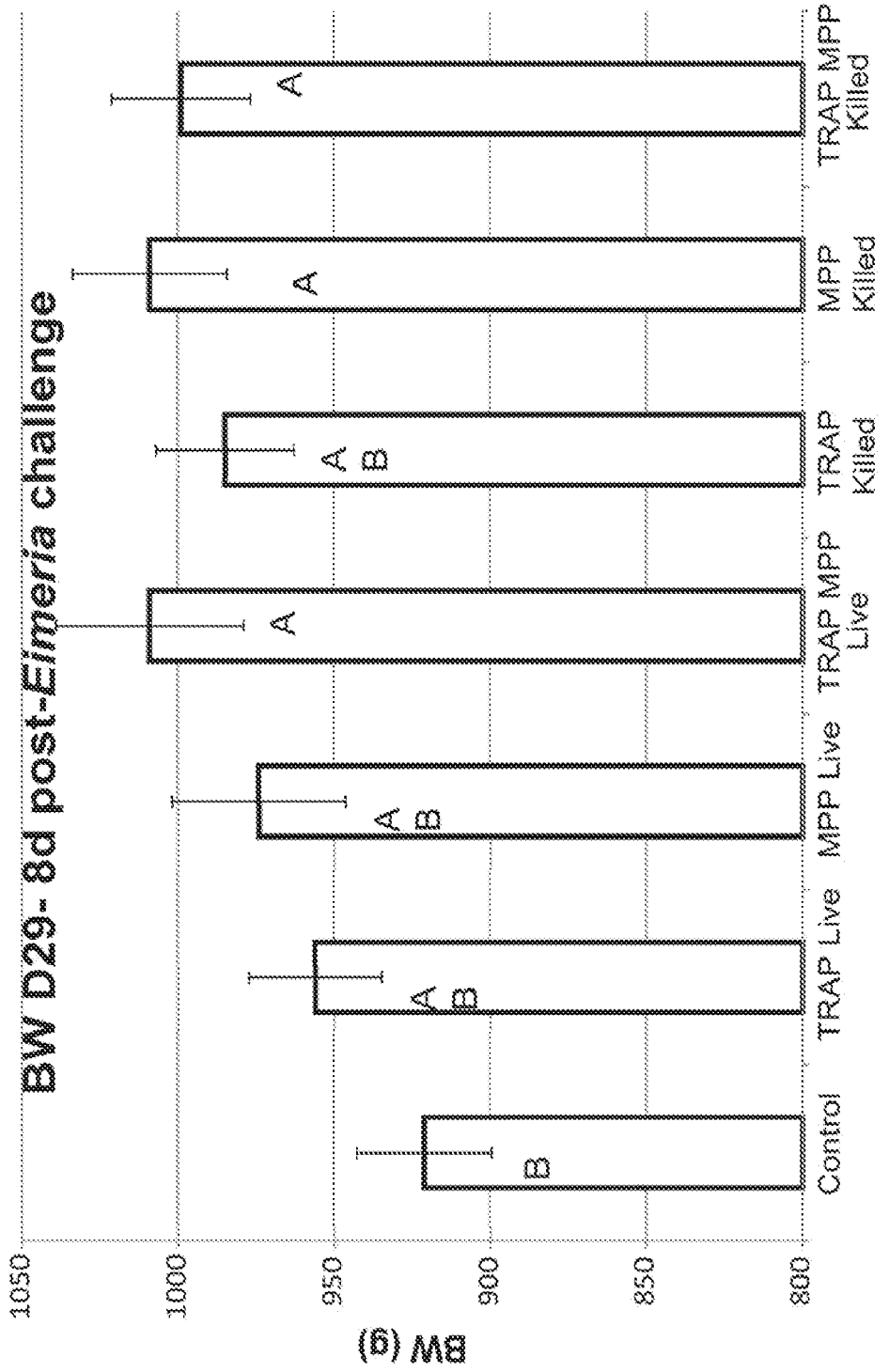

BW D29- 8d post-Eimeria challenge
BW (g)
1050
1000
950
900
850
800
Control
TRAP Live
MPP Live
TRAP MPP Live
TRAP Killed
MPP Killed
TRAP MPP Killed
A
B

Fig. 3

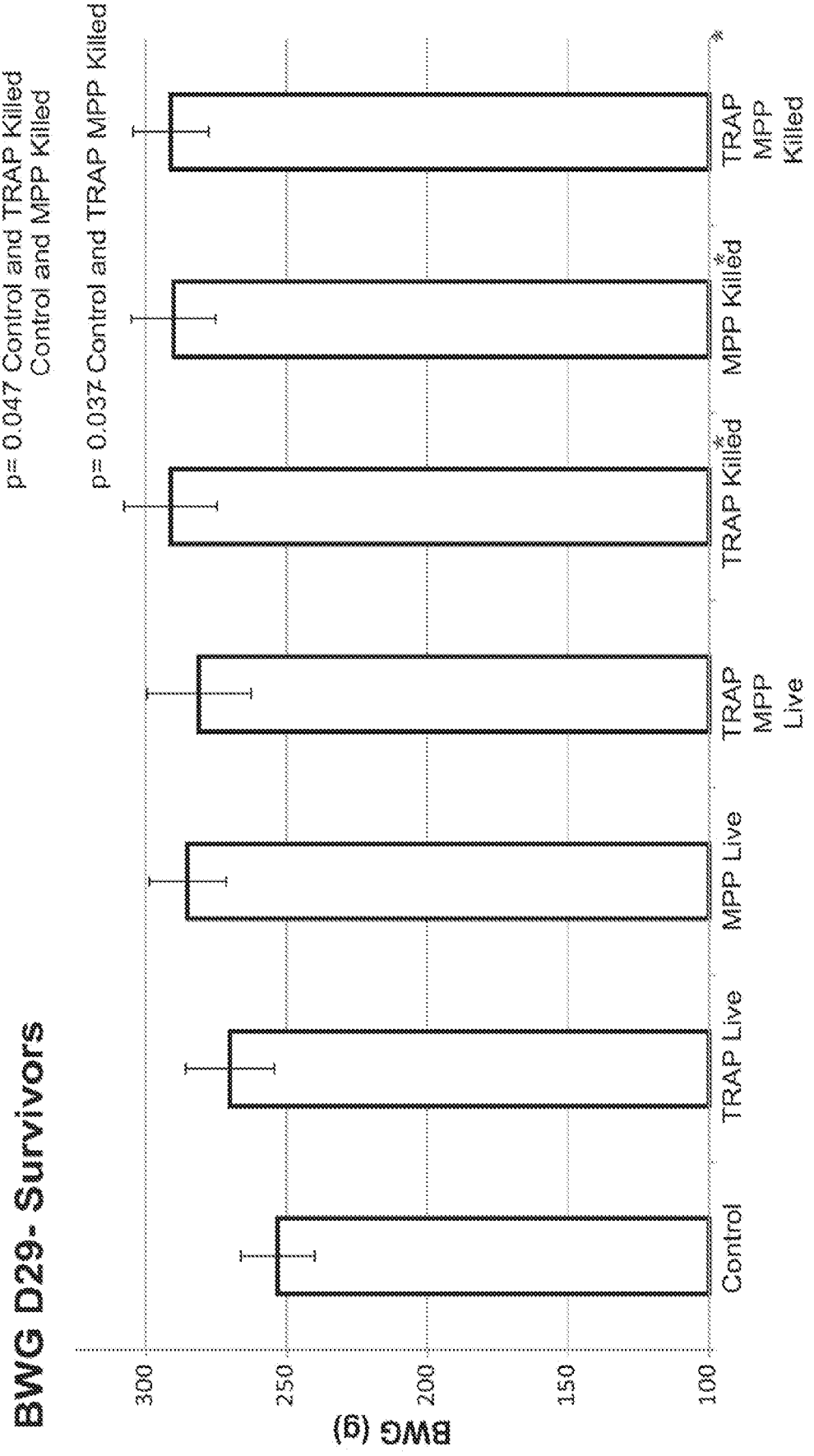

BWG D29- Survivors
BWG (g)
300
250
200
150
100
Control
TRAP Live
MPP Live
TRAP MPP Live
TRAP Killed*
MPP Killed*
TRAP MPP Killed*
p= 0.037 Control and TRAP MPP Killed
p= 0.047 Control and TRAP Killed
Control and MPP Killed

Fig. 4

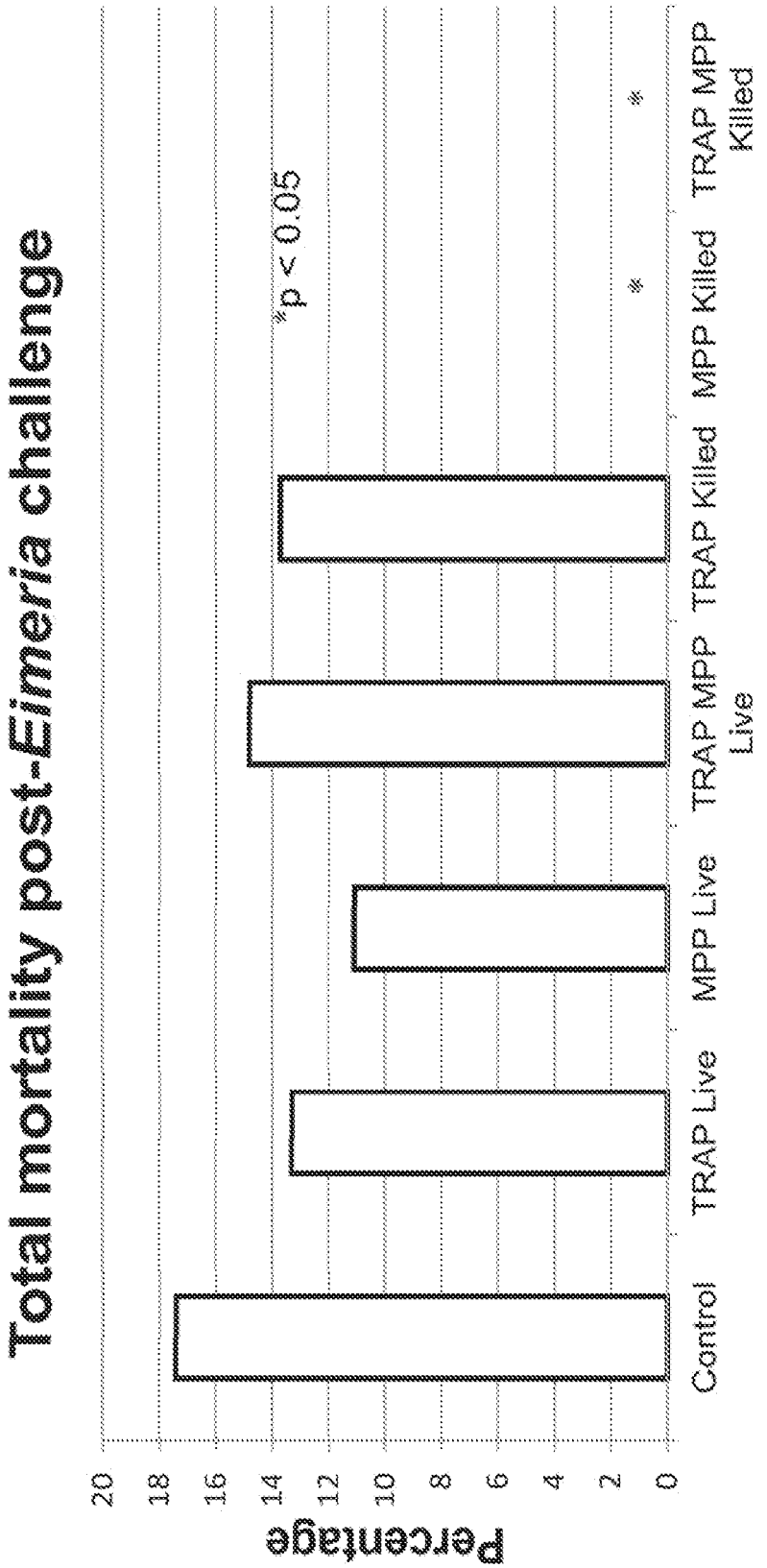

Total mortality post-Eimeria challenge
Percentage
20
18
16
14
12
10
8
6
4
2
0
*p < 0.05
*
*
Control
TRAP Live
MPP Live
TRAP MPP Live
TRAP Killed
MPP Killed
TRAP MPP Killed

Fig. 5