CLAIMS

What we claim is:

1. A composition or vaccine comprising: i) an M hyo antigen, and ii) a porcine circovirus type 2 (PCV2) antigen, a Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) antigen, or a combination thereof.
2. The composition or vaccine of claim 1, wherein the composition of vaccine comprises an M hyo antigen and a PCV2 antigen.
3. The composition or vaccine of claim 1, wherein the composition of vaccine comprises an M hyo antigen and a PRRSV antigen.
4. The composition or vaccine of claim 1, wherein the composition of vaccine comprises an M hyo antigen, a PCV2 antigen and a PRRSV antigen.
5. The composition or vaccine of any one of claims 1-4, wherein the M hyo antigen is an inactivated M hyo.
6. The composition or vaccine of any one of claims 1-5, wherein the PRRSV antigen is a modified-live and/or an inactivated PRRSV.
7. The composition or vaccine of any one of claims 1-6, wherein the PCV2 antigen is an inactivated PCV2.
8. The composition or vaccine of any one of claims 1-7, wherein the PRRSV antigen comprises an inactivated PRRSV comprising a polynucleotide encoding an ORF5 protein having at least 91% sequence identity to the sequence as set forth in SEQ ID NO:2, 3, 4, 5, 6, 7, 8, or 9.
9. A composition or vaccine comprising one or more PRRSV antigens, wherein the PRRSV is a modified-live and/or an inactivated PRRSV.
10. The composition or vaccine of claim 9, wherein the PRRSV antigen comprises an inactivated PRRSV comprising a polynucleotide encoding an ORF5 protein having at least 91% sequence identity to the sequence as set forth in SEQ ID NO:2, 3, 4, 5, 6, 7, 8, or 9.
11. The composition or vaccine of claim 9, wherein the composition or vaccine comprises a modified-live PRRSV antigen and an inactivated PRRSV antigen.
12. The composition or vaccine of any one of claims 1-11, wherein the composition or vaccine increases the ability of pigs to gain weight or improve death loss.

13. The composition or vaccine of any one of claims 1-12, wherein the composition further comprises one or more pharmaceutically or veterinarily acceptable carrier, adjuvant, vehicle, or excipient.

14. A composition or vaccine of any one of claims 1-13 for use in vaccinating or inducing an immunogenic or protective response in an animal against one or more pig pathogens, or increasing the ability of the animal to gain weight or improve death loss, wherein the composition or vaccine is to be administered at least once.

15. Use of a composition or vaccine of any one of claims 1-13 in the manufacture of a medicament for vaccinating or inducing an immunogenic or protective response in an animal against one or more pig pathogens, or increasing the ability of the animal to gain weight or improve death loss, wherein the medicament is to be administered at least once.

16. The use of claim 15, wherein the medicament is to be administered as part of a prime boost administration regimen.

17. The use of claim 16, wherein a primary administration of medicament is to take place where the medicament comprises an M hyo antigen, a PCV2 antigen, and a PRRSV antigen followed by a boost administration of a medicament comprising a PRRSV antigen.

18. The use of claim 17, wherein the PRRSV antigen to be primarily administered is a modified-live PRRSV, and wherein the PRRSV antigen to be administered as a booster is an inactivated PRRSV.

19. A composition or vaccine comprising a modified-live PRRSV and an inactivated PRRSV for use in vaccinating or inducing an immunogenic or protective response in an animal against one or more pig pathogens, or improving death loss, wherein the composition or vaccine is to be administered at least once.

20. Use of a composition or vaccine comprising a modified-live PRRSV and an inactivated PRRSV in the manufacture of a medicament for vaccinating or inducing an immunogenic or protective response in an animal against one or more pig pathogens, or improving death loss, wherein the medicament is to be administered at least once.

21. The composition or vaccine or use of any one of claims 14-20, wherein the animal is swine.

22. A vaccination kit or set comprising one or more vaccine vials containing the composition or vaccine of any one of claims 1-13.

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