

WHAT IS CLAIMED IS:

1. A method for detecting adeno-associated virus serotype Anc80 in a sample, comprising:
 - (a) contacting the sample with: (i) a capture reagent that binds an adeno-associated virus (AAVx) or an adeno-associated virus serotype 8 (AAV8); and (ii) a detection reagent that binds an adeno-associated virus (AAVx);
 - (b) forming a binding complex comprising the capture reagent, the Anc80, and the detection reagent; and
 - (c) detecting the binding complex, thereby detecting the Anc80 in the sample.
2. The method of claim 1, wherein the capture reagent and/or the detection reagent is an antibody or antigen-binding fragment thereof.
3. The method of claim 1 or 2, wherein the capture reagent is immobilized on a surface, optionally wherein the surface is a multi-well plate, and the capture reagent is immobilized in a well of the multi-well plate.
4. The method of claim 3, wherein the capture reagent comprises biotin, and the surface comprises avidin or streptavidin.
5. The method of any one of claims 1 to 4, wherein the capture reagent binds AAVx, AAV8, and/or a viral particle of the Anc80.
6. The method of claim 5, wherein the capture reagent binds to VP3 of AAV8.
7. The method of claim 6, wherein the capture reagent binds to an epitope within residues 580 to 600 of VP3, optionally wherein the capture reagent binds to LQSANT (SEQ ID NO:1).
8. The method of any one of claims 1 to 7, wherein the detection reagent binds AAVx, AAV8, and/or a viral particle of the Anc80.
9. The method of any one of claims 1 to 8, wherein the detection reagent comprises a binding partner of a detectable moiety, optionally wherein the detection reagent

- comprises biotin, and the detectable moiety comprises horseradish peroxidase conjugated to avidin or streptavidin.
10. The method of claim 1, wherein the capture reagent binds AAV8, and the detection reagent binds AAVx.
 11. A kit comprising:
 - (a) a capture reagent that binds an adeno-associated virus (AAVx) or adeno-associated virus serotype 8 (AAV8); and
 - (b) a detection reagent that binds an adeno-associated virus (AAVx).
 12. The kit of claim 11, wherein the capture reagent and/or the detection reagent is an antibody or antigen-binding fragment thereof.
 13. The kit of claim 11 or 12, further comprising a capture surface, optionally wherein the capture surface is a multi-well plate, and the capture reagent is immobilized on a well of the multi-well plate, further optionally wherein the capture reagent comprises biotin, and the capture surface comprises avidin or streptavidin attached thereto.
 14. The kit of any one of claims 11 to 13, wherein the capture reagent binds AAVx, AAV8, and/or a capsid protein (VP) of the Anc80.
 15. The kit of claim 14, wherein the capture reagent binds to VP3 of AAV8, optionally wherein the capture reagent binds to an epitope within residues 580 to 600 of VP3, further optionally wherein the capture reagent binds to LQSANT (SEQ ID NO:1).
 16. The kit of any one of claims 11 to 15, wherein the detection reagent binds AAVx, AAV8, and/or a viral particle of the Anc80.
 17. The kit of any one of claims 11 to 16, further comprising a detectable moiety, and the detection reagent comprises a binding partner of the detectable moiety, optionally wherein the detection reagent comprises biotin, and the detectable moiety comprises horseradish peroxidase conjugated to avidin or streptavidin.

18. The kit of any one of claims 11 to 17, wherein the capture reagent, the detection reagent, or both, are lyophilized; or wherein the capture reagent, the detection reagent, or both, are provided in solution.
19. The kit of any one of claims 11 to 18, further comprising one or more of a buffer, an assay stop solution, a calibration reagent, a detectable moiety capable of binding to the detection reagent, and a detectable substrate.
20. The kit of claim 11, wherein the capture reagent binds AAV8, and the detection reagent binds AAVx.