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<110> Flagship Pioneering Innovations V, Inc.

<120> COMPOSITIONS AND RELATED METHODS FOR AGRICULTURE

<130> 51215-012W02

<150> US 62/703,304

<151> 2018-07-25

<160> 38

<170> PatentIn version 3.5

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<213> Candidatus Portiera aleyrodidarum BT-B

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 <213> Buchnera aphidicola str. APS (Acyrthosiphon pisum)

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<211> 1552

<212> DNA

<213> Buchnera aphidicola str. Sg (Schizaphis graminum)

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atatctgggg atctgccccaa aagaggggga taactactag aaatggtagc taataccgca	180

taaagttgaa aaaccaaagt gggggacctt ttttaaaggc ctcattgcttt tggatgaacc	240
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 <212> DNA

<213> Buchnera aphidicola BCc

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aaaatgatag tattagaaat tgatgaagat cttgtgtttt ttttaactca aagtttattt	240
attaaaaaat tacaaattat aattgctgat attataaaat ttgatttttg ttgttttttt	300
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caacatagaa gaaaattttt aaataataat ttaatatctt tattttctac aaaagaatta	720
atttcttttag atattgatcc atattcaaga gcagaaaatg tttctttaat tcaatattgt	780
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<210> 14

<211> 921

<212> DNA

<213> Buchnera aphidicola (Cinara tujaefilina)

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caattcagta ataggaagtt ttttaggtat atttggataa ttactgtaat tcttaataaa	180
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<211> 822

<212> DNA

<213> Buchnera aphidicola str. G002 (Myzus persicae)

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acattagtag aaatcggacc aggattagct gcattaactg agcccatatc tcagttatta	180
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agaagaaaaa tattacgtca tagtttaaaa aattttattt ctgaaacaac tttattaaat	720

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 <213> Buchnera aphidicola str. Ak (Acyrthosiphon kondoi)

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 <211> 822
 <212> DNA
 <213> Buchnera aphidicola str. Ua (Uroleucon ambrosiae)

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 <212> DNA
 <213> Buchnera aphidicola (Aphis glycines)

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 <213> Moranella endobia

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 <211> 1464
 <212> DNA
 <213> Sodalis-like bacterium

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 <211> 1465
 <212> DNA
 <213> Candidatus Hartigia pinicola

<400> 23

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<211> 1571
<212> DNA
<213> Tremblaya phenacola

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 <212> DNA
 <213> Candidatus Tremblaya princeps

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 <212> DNA
 <213> *Nasuia deltocephalinicola*

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 <212> DNA
 <213> Candidatus Zinderia insecticola CARI

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 <212> DNA
 <213> Hodgkinia

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<220>
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 <212> DNA
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<223> n is a, c, g, or t

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 <211> 1490
 <212> DNA
 <213> Burkholderia strain SFA1

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<211> 1408

<212> DNA

<213> Burkholderia strain KM-A

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<210> 36

<211> 1383

<212> DNA

<213> Burkholderia strain KM-G

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