| **ASV\_ID** | **Kingdom** | **Phylum** | **Class** | **Order** | **Family** | **Genus** | **Species** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ASV\_1\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_10\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Apatococcus* |  |
| ASV\_100\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales |  |  |  |
| ASV\_101\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_102\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_104\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_105\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_107\_A | Eukaryota | Chlorophyta | Chlorophyceae | Sphaeropleales | *Radiococcaceae* | *Gloeocystis* |  |
| ASV\_108\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_11\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Apatococcus* |  |
| ASV\_111\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_114\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_119\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_12\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_120\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_121\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_125\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_126\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_127\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_13\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_131\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_132\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_133\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_138\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Pseudostichococcus* |  |
| ASV\_139\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_14\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_140\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_141\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_142\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_146\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_148\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_15\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_150\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Tritostichococcus* |  |
| ASV\_151\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_154\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Vulcanochloris* |  |
| ASV\_155\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_159\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_16\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_161\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_167\_A | Eukaryota | Chlorophyta | Chlorophyceae | Sphaeropleales | *Radiococcaceae* | *Gloeocystis* |  |
| ASV\_169\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_17\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_171\_A | Eukaryota | Streptophyta | Klebsormidiophyceae | Klebsormidiales | *Klebsormidiaceae* | *Interfilum* |  |
| ASV\_173\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_178\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_179\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_18\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_180\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_182\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_184\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_185\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_186\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_187\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_188\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_189\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_19\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_190\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_195\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_196\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_197\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_199\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_2\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Apatococcus* |  |
| ASV\_203\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_204\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_207\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_208\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_21\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_210\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_219\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_22\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_222\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_223\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_227\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_23\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_231\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Watanabea* |  |
| ASV\_235\_A | Eukaryota | Streptophyta | Klebsormidiophyceae | Klebsormidiales | *Klebsormidiaceae* | *Klebsormidium* |  |
| ASV\_237\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_239\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_24\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_241\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_246\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_25\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Apatococcus* |  |
| ASV\_251\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_257\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_26\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_261\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_268\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_27\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_274\_A | Eukaryota | Streptophyta | Klebsormidiophyceae | Klebsormidiales | *Klebsormidiaceae* | *Klebsormidium* |  |
| ASV\_276\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_278\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_28\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_282\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_29\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_291\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_298\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_3\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Desmococcus* |  |
| ASV\_30\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_300\_A | Eukaryota | Streptophyta | Klebsormidiophyceae | Klebsormidiales | *Klebsormidiaceae* | *Klebsormidium* |  |
| ASV\_305\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_307\_A | Eukaryota | Streptophyta | Klebsormidiophyceae | Klebsormidiales | *Klebsormidiaceae* | *Klebsormidium* |  |
| ASV\_308\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Tritostichococcus* |  |
| ASV\_311\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_312\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_315\_A | Eukaryota | Streptophyta | Klebsormidiophyceae | Klebsormidiales | *Klebsormidiaceae* | *Klebsormidium* |  |
| ASV\_32\_A | Eukaryota | Streptophyta | Klebsormidiophyceae | Klebsormidiales | *Klebsormidiaceae* | *Interfilum* |  |
| ASV\_322\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_328\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_33\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_332\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_344\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_345\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_35\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_353\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_356\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_359\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Tritostichococcus* |  |
| ASV\_361\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_364\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_365\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_37\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_379\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_383\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_39\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_397\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Chloroidium* |  |
| ASV\_4\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Desmococcus* |  |
| ASV\_40\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_402\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_403\_A | Eukaryota | Chlorophyta |  |  |  |  |  |
| ASV\_407\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Chloroidium* |  |
| ASV\_408\_A | Eukaryota | Chlorophyta | Chlorophyceae | Sphaeropleales | *Radiococcaceae* | *Gloeocystis* |  |
| ASV\_409\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_41\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Apatococcus* |  |
| ASV\_411\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_412\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_42\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_422\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_423\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_43\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_443\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_45\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_451\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Pseudochlorella* |  |
| ASV\_46\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_462\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_463\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Pseudochlorella* |  |
| ASV\_464\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Prasiola* |  |
| ASV\_47\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_474\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_475\_A | Eukaryota | Streptophyta | Klebsormidiophyceae | Klebsormidiales | *Klebsormidiaceae* | *Interfilum* |  |
| ASV\_48\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_484\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_485\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_487\_A | Eukaryota | Chlorophyta |  |  |  |  |  |
| ASV\_489\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_49\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_491\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  |  |  |
| ASV\_495\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_498\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_499\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Stichococcus* |  |
| ASV\_5\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_500\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Pseudochlorella* |  |
| ASV\_509\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_510\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_514\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_521\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_523\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Tritostichococcus* |  |
| ASV\_525\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_53\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_536\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_537\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_538\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_539\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Chloroidium* |  |
| ASV\_540\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Desmococcus* |  |
| ASV\_546\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_555\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Chlorella* |  |
| ASV\_556\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_57\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_573\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Chloroidium* |  |
| ASV\_577\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_581\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_583\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Prasiolales | *Prasiolaceae* | *Deuterostichococcus* |  |
| ASV\_585\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Chloroidium* |  |
| ASV\_586\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_59\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_595\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_597\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_6\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Apatococcus* |  |
| ASV\_60\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_603\_A | Eukaryota | Chlorophyta | Chlorophyceae | Sphaeropleales | *Bracteacoccaceae* | *Bracteacoccus* |  |
| ASV\_608\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_610\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_62\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_64\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_66\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_67\_A | Eukaryota | Chlorophyta | Chlorophyceae | Chaetophorales | *Chaetophoraceae* | *Diplosphaera* |  |
| ASV\_68\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_7\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_71\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_72\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_75\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_76\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_79\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_8\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Apatococcus* |  |
| ASV\_81\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Asterochloris* |  |
| ASV\_82\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Dictyochloropsis* |  |
| ASV\_83\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_86\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_87\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_88\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_89\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_9\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Chlorellales | *Chlorellaceae* | *Apatococcus* |  |
| ASV\_91\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Symbiochloris* |  |
| ASV\_92\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Elliptochloris* |  |
| ASV\_94\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_95\_A | Eukaryota | Chlorophyta | Trebouxiophyceae | Trebouxiales | *Trebouxiaceae* | *Trebouxia* |  |
| ASV\_98\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV\_99\_A | Eukaryota | Chlorophyta | Trebouxiophyceae |  |  | *Coccomyxa* |  |
| ASV100\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Granulicella* |  |
| ASV1001\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1002\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1003\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1005\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1006\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Microbacteriaceae* |  |  |
| ASV1008\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Ferruginibacter* |  |
| ASV1009\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV101\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV1012\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Verrucomicrobiaceae* |  |  |
| ASV1014\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1016\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV1017\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV1018\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1019\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV1020\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV1021\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1022\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1024\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1025\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV1026\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1029\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV103\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1032\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1034\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1036\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1037\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1038\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV1039\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV104\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1040\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV1043\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrella* |  |
| ASV1047\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV1050\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1051\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV1053\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV1054\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1056\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV1059\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV106\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV1061\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1063\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Verrucomicrobiaceae* |  |  |
| ASV1065\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV1066\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1072\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1074\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1077\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV1079\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Xylophilus* |  |
| ASV108\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales |  |  |  |
| ASV1080\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *AB1* |  |  |
| ASV1082\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV1084\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1085\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1086\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1088\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV109\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV1090\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV1091\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1093\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhodospirillales |  |  |  |
| ASV1094\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV1097\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1098\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1099\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Variovorax* |  |
| ASV11\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV110\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1104\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV1106\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Parafilimonas* |  |
| ASV1108\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV111\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1110\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV1116\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Xylophilus* |  |
| ASV1117\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1118\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1119\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV112\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV1121\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV1122\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1123\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Pseudomonadales | *Moraxellaceae* | *Enhydrobacter* |  |
| ASV1128\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV113\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV1131\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1134\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1135\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* |  |  |
| ASV1136\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1137\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1138\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1143\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV1144\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1145\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1146\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1148\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1152\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* |  |  |
| ASV1154\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Verrucomicrobiaceae* |  |  |
| ASV1155\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1157\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV116\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1162\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV1165\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1166\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1169\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1171\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV1173\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1174\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV1175\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1177\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhodospirillales |  |  |  |
| ASV1178\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV118\_B | Bacteria | Firmicutes | Bacilli | Mycoplasmatales | *Mycoplasmataceae* | *Mycoplasma* |  |
| ASV1181\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1183\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1185\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* |  |  |
| ASV1186\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1187\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1188\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhodospirillales |  |  |  |
| ASV1189\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV119\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1191\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV1192\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1194\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV1195\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV1197\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV1198\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV1199\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV12\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV120\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV1205\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1206\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV1207\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1209\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV121\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1212\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1214\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1215\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* |  |  |
| ASV1217\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV1218\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV122\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV1220\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Diplorickettsiales | *Diplorickettsiaceae* |  |  |
| ASV1221\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1223\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV1227\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV123\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV1234\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1236\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1237\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1238\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1239\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV124\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV1241\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV1242\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV1244\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV1245\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1247\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1248\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV125\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Jatrophihabitans* |  |
| ASV1250\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1253\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1254\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV1257\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV126\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1261\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1263\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV1269\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV127\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV1270\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1271\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1273\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV1275\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV1278\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1279\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV1281\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Candidatus Udaeobacter* |  |
| ASV1285\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Variovorax* |  |
| ASV1286\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1288\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV129\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1292\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1299\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV13\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV1300\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1301\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1302\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1307\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV1308\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1309\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV1310\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1313\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV1316\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1319\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1322\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1325\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV1326\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* |  |  |
| ASV1329\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV133\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1330\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1332\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1333\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* | *Massilia* |  |
| ASV1336\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1338\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1339\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Trueperaceae* | *Truepera* |  |
| ASV134\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1343\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1345\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Jatrophihabitans* |  |
| ASV1347\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV1349\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Ferruginibacter* |  |
| ASV135\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV1351\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1352\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1354\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1355\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Parafilimonas* |  |
| ASV1356\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1358\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV136\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrella* |  |
| ASV1360\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Diplorickettsiales | *Diplorickettsiaceae* | *Rickettsiella* |  |
| ASV1361\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1362\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1364\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1367\_B | Bacteria | Acidobacteriota | Vicinamibacteria | Vicinamibacterales |  |  |  |
| ASV1369\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV1370\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1371\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1373\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1374\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* |  |  |
| ASV1375\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Rhizobacter* |  |
| ASV138\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV1381\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV1382\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Variovorax* |  |
| ASV1384\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV1385\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1386\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1387\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1388\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* | *Massilia* |  |
| ASV1389\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* |  |  |
| ASV1398\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1399\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1400\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1402\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV1406\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1409\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV141\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1412\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Roseiflexaceae* |  |  |
| ASV1417\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1419\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV142\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Jatrophihabitans* |  |
| ASV1422\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1424\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Burkholderiaceae* | *Burkholderia-Caballeronia-Paraburkholderia* |  |
| ASV1426\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* |  |  |
| ASV143\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1430\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* |  |  |
| ASV1431\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1437\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1439\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* |  |  |
| ASV1443\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1444\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV1445\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1446\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* | *Massilia* |  |
| ASV1448\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Roseiflexaceae* |  |  |
| ASV1449\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* |  |  |
| ASV1451\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV1454\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1457\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1459\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV146\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Endobacter* |  |
| ASV1460\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV1461\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Aurantisolimonas* |  |
| ASV1462\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Parafilimonas* |  |
| ASV1464\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1466\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1467\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1469\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV147\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Acidiphilium* |  |
| ASV1474\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1475\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV1476\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1477\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV1479\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV1485\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV1487\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV149\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1491\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV1492\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1496\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1499\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV15\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Pseudomonadales | *Pseudomonadaceae* | *Pseudomonas* |  |
| ASV1500\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1506\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV1508\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Huanghella* |  |
| ASV1510\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1518\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV1520\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1522\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV1523\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1528\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV153\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Dermacoccaceae* | *Allobranchiibius* |  |
| ASV1534\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* |  |  |
| ASV1538\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV1539\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Aridibacter* |  |
| ASV154\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Terriglobus* |  |
| ASV1542\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV1543\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* |  |  |
| ASV1544\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV1546\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1551\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Acidothermaceae* | *Acidothermus* |  |
| ASV1558\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV156\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Granulicella* |  |
| ASV1560\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* |  |  |
| ASV1564\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1569\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1571\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1572\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1575\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1579\_B | Bacteria | Acidobacteriota | Acidobacteriae | Solibacterales | *Solibacteraceae* | *Candidatus Solibacter* |  |
| ASV158\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1581\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1582\_B | Bacteria | Actinobacteriota | Thermoleophilia | Gaiellales |  |  |  |
| ASV1587\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV159\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV1590\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV1591\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1595\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* |  |  |
| ASV1598\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV160\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrisoma* |  |
| ASV1602\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1605\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1608\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Cyclobacteriaceae* | *Negadavirga* |  |
| ASV161\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1611\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV1613\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV1615\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1617\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1619\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV162\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1621\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1623\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1625\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1626\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1627\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1628\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1629\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV163\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1630\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV1635\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1638\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV1643\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1644\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Leptothrix* |  |
| ASV1648\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1654\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV1658\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV166\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Nocardioidaceae* | *Nocardioides* |  |
| ASV1662\_B | Bacteria | Acidobacteriota | Acidobacteriae | Solibacterales | *Solibacteraceae* | *Candidatus Solibacter* |  |
| ASV1663\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV1668\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV167\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1671\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Ferruginibacter* |  |
| ASV1672\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1673\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV1674\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Solirubrobacter* |  |
| ASV1675\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* |  |  |
| ASV1676\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1677\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1678\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Ferruginibacter* |  |
| ASV1683\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1684\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV1685\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1689\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV169\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV1690\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV1692\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1695\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV1699\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Sandaracinaceae* |  |  |
| ASV17\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV170\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Acidiphilium* |  |
| ASV1703\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1706\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1707\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1708\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1710\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Verrucomicrobiaceae* |  |  |
| ASV1714\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1717\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1718\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1719\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV172\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1720\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1722\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1723\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Aetherobacter* |  |
| ASV1725\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1726\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV173\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV1738\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1740\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV1741\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1745\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV1749\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV1753\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1755\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* |  |  |
| ASV1756\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV1760\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV1762\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Enterobacterales | *Yersiniaceae* | *Serratia* |  |
| ASV1768\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1769\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV177\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1770\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV1771\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1777\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1778\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV1779\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV1780\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV1782\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1789\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* |  |  |
| ASV179\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV1791\_B | Bacteria | Actinobacteriota | Thermoleophilia | Gaiellales |  |  |  |
| ASV1799\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV18\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Pedobacter* |  |
| ASV1801\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1807\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV1808\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV181\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1811\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1818\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV182\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Ellin6055* |  |
| ASV1820\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1824\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV1826\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV1834\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1835\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1836\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV1839\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1842\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1845\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1849\_B | Bacteria | Acidobacteriota | Acidobacteriae | Solibacterales | *Solibacteraceae* | *Candidatus Solibacter* |  |
| ASV185\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1854\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1855\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1864\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1865\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1866\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV187\_B | Bacteria | Actinobacteriota | Actinobacteria | Kineosporiales | *Kineosporiaceae* | *Kineococcus* |  |
| ASV1872\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Aurantisolimonas* |  |
| ASV1874\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1876\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1879\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV1880\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1882\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1884\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1887\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Chloroflexaceae* | *FFCH7168* |  |
| ASV1893\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1894\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1895\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1896\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV19\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV190\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Jatrophihabitans* |  |
| ASV1902\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1904\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1907\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV191\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales |  |  |  |
| ASV1910\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV1916\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1920\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* | *Massilia* |  |
| ASV1925\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV193\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV1930\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV1931\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV1933\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1934\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1936\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Ferruginibacter* |  |
| ASV1937\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV1938\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1939\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales |  |  |  |
| ASV194\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1940\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *SM2D12* |  |  |
| ASV1942\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1944\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV1945\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV1947\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV1949\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV1950\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV1952\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1953\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV1962\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV1968\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV197\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1975\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV1977\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV198\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV1981\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV1983\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1986\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV1988\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV1989\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV1990\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV1991\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV1994\_B | Bacteria | Firmicutes | Bacilli | Lactobacillales | *Streptococcaceae* | *Streptococcus* |  |
| ASV1995\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV1997\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV1999\_B | Bacteria | Gemmatimonadota | Longimicrobia | Longimicrobiales | *Longimicrobiaceae* |  |  |
| ASV2\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Acidiphilium* |  |
| ASV200\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV2001\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV2003\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* |  |  |
| ASV2007\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV201\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Sediminibacterium* |  |
| ASV2012\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV2013\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV2015\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV2016\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Aetherobacter* |  |
| ASV2023\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2025\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV2026\_B | Bacteria | Myxococcota | Polyangia | Polyangiales |  |  |  |
| ASV203\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* |  |  |
| ASV2039\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV204\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV2041\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV2042\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* |  |  |
| ASV2043\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2044\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV2045\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV2048\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV2051\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV2054\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV206\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Ferruginibacter* |  |
| ASV2060\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *Cystobacter* |  |
| ASV2062\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV2063\_B | Bacteria | Chloroflexi | Chloroflexia | Kallotenuales | *AKIW781* |  |  |
| ASV207\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV2070\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV2072\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2075\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV2076\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Nomurabacteria |  |  |  |
| ASV2077\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* |  |  |
| ASV2080\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV2085\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV2086\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV2087\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV209\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV2095\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV2097\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV21\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV210\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV2102\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV2108\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV2109\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV211\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2110\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV2120\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV2124\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2126\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV2128\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV213\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2130\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV2131\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Acidipila-Silvibacterium* |  |
| ASV2132\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV2133\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Blattabacteriaceae* | *Candidatus Uzinura* |  |
| ASV214\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2141\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV2144\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV215\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2165\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV217\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV2170\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2176\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV2180\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Enterobacterales | *Enterobacteriaceae* | *Enterobacillus* |  |
| ASV219\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2195\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV2198\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV22\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV2207\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV221\_B | Bacteria | Actinobacteriota | Actinobacteria | Micromonosporales | *Micromonosporaceae* | *Actinoplanes* |  |
| ASV2212\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *env.OPS 17* |  |  |
| ASV2213\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2215\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2218\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *67-14* |  |  |
| ASV222\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Terriglobus* |  |
| ASV2221\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2222\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV2224\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2226\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV2228\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Simkaniaceae* | *Ga0074140* |  |
| ASV223\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2240\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV2243\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2245\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV2250\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV2254\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2257\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV226\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Microbacteriaceae* | *Amnibacterium* |  |
| ASV2261\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* |  |  |
| ASV2264\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV2265\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Xylophilus* |  |
| ASV2266\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* |  |  |
| ASV227\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2272\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV2276\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* |  |  |
| ASV2277\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV228\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2280\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV2286\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV229\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2290\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2293\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Solirubrobacter* |  |
| ASV2297\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV23\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV2308\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Verrucomicrobiaceae* |  |  |
| ASV231\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV2319\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV232\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2320\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV233\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2336\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2339\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *SM2D12* |  |  |
| ASV2346\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV2347\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV2348\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV2349\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV2351\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV2353\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV2354\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* |  |  |
| ASV2356\_B | Bacteria | Bdellovibrionota | Oligoflexia | Silvanigrellales | *Silvanigrellaceae* |  |  |
| ASV236\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV2364\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV2365\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* | *Massilia* |  |
| ASV2367\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Pedobacter* |  |
| ASV2368\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV237\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Bryocella* |  |
| ASV2378\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV238\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Roseiflexaceae* |  |  |
| ASV2387\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV2388\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV239\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV2390\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV2391\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV2395\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV2397\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *SM2D12* |  |  |
| ASV2398\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV24\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV240\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2401\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV2407\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2415\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2417\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV2423\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Diplorickettsiales | *Diplorickettsiaceae* | *Aquicella* |  |
| ASV243\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV2432\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV2433\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV2435\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV244\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV2441\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2444\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales |  |  |  |
| ASV2446\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV245\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Aurantisolimonas* |  |
| ASV2453\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2454\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV246\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Rhizobiaceae* | *Aureimonas* |  |
| ASV247\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2471\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV2476\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2489\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV249\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2490\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2492\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2493\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2494\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV2500\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV2501\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV251\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2510\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV2514\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV2517\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV252\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* |  |  |
| ASV2528\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV253\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2533\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Solirubrobacter* |  |
| ASV2535\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV254\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2542\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV2548\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV255\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV2551\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2555\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2557\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV256\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2567\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV257\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV2579\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* |  |  |
| ASV258\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2586\_B | Bacteria | Acidobacteriota | Vicinamibacteria | Vicinamibacterales |  |  |  |
| ASV2589\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Aetherobacter* |  |
| ASV2593\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV2595\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV2599\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV2600\_B | Bacteria | Bacteroidota | Bacteroidia | Bacteroidales | *Dysgonomonadaceae* |  |  |
| ASV261\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV2614\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV2615\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV2616\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV262\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2622\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2624\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2629\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2632\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *SM2D12* |  |  |
| ASV2634\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV264\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Rhizobacter* |  |
| ASV2649\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV265\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV2656\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV2664\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* |  |  |
| ASV2665\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV2668\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Pedobacter* |  |
| ASV267\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2673\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV2683\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV2689\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV269\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV27\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Granulicella* |  |
| ASV2701\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV271\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2712\_B | Bacteria | Acidobacteriota | Vicinamibacteria | Vicinamibacterales |  |  |  |
| ASV2722\_B | Bacteria | Gemmatimonadota | Longimicrobia | Longimicrobiales | *Longimicrobiaceae* | *YC-ZSS-LKJ147* |  |
| ASV2723\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2727\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV2728\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV2731\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV2744\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* |  |  |
| ASV2745\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV2747\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV275\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2751\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV2754\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2757\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV276\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *Methylobacterium-Methylorubrum* |  |
| ASV2767\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV277\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV278\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Pedobacter* |  |
| ASV2780\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV2781\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV2782\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV2789\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* |  |  |
| ASV279\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2790\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Rubritaleaceae* | *Luteolibacter* |  |
| ASV28\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV2803\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV2810\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV2817\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV2825\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2826\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *cvE6* |  |  |
| ASV283\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV2833\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2834\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV2835\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2836\_B | Bacteria | Actinobacteriota | Thermoleophilia | Gaiellales |  |  |  |
| ASV284\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV2848\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV285\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2851\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Flavitalea* |  |
| ASV2859\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV286\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Huanghella* |  |
| ASV2863\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV2865\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV2868\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV287\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV2876\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV288\_B | Bacteria | Actinobacteriota | Actinobacteria | Micromonosporales | *Micromonosporaceae* | *Actinoplanes* |  |
| ASV2882\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2889\_B | Bacteria | Actinobacteriota | Actinobacteria | Corynebacteriales | *Corynebacteriaceae* | *Corynebacterium* |  |
| ASV2897\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *SM2D12* |  |  |
| ASV2899\_B | Bacteria | Dependentiae | Babeliae | Babeliales |  |  |  |
| ASV290\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV291\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2914\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV292\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV2926\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* |  |  |
| ASV2927\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV2929\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Pseudomonadales | *Cellvibrionaceae* | *Cellvibrio* |  |
| ASV293\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV2935\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV2941\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV2944\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV2948\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV295\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales |  |  |  |
| ASV296\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV2961\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV297\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV298\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV2983\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV2993\_B | Bacteria | Firmicutes | Bacilli | Staphylococcales | *Staphylococcaceae* | *Staphylococcus* |  |
| ASV2997\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV30\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Dermacoccaceae* | *Allobranchiibius* |  |
| ASV300\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV301\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV3013\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV3019\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Micrococcaceae* | *Kocuria* |  |
| ASV3039\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV3049\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV305\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV306\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3075\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV3078\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV308\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV3081\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *Cystobacter* |  |
| ASV3088\_B | Bacteria | Bacteroidota | Bacteroidia | Bacteroidales | *Dysgonomonadaceae* |  |  |
| ASV309\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Ferruginibacter* |  |
| ASV3099\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV31\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV311\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV314\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* |  |  |
| ASV3144\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV3146\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV3147\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV3148\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV315\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV3152\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV316\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *Psychroglaciecola* |  |
| ASV3165\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV3168\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV3169\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV317\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Bryocella* |  |
| ASV318\_B | Bacteria | Actinobacteriota | Actinobacteria | Kineosporiales | *Kineosporiaceae* | *Kineosporia* |  |
| ASV3181\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Pedobacter* |  |
| ASV3183\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV319\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV32\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV3202\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV3215\_B | Bacteria | Bacteroidota | Bacteroidia | Bacteroidales | *Marinilabiliaceae* | *Geofilum* |  |
| ASV3235\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV324\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV3240\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Roseiflexaceae* |  |  |
| ASV3242\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3247\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Protochlamydia* |  |
| ASV325\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales |  |  |  |
| ASV326\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV3260\_B | Bacteria | Gemmatimonadota | Longimicrobia | Longimicrobiales | *Longimicrobiaceae* | *YC-ZSS-LKJ147* |  |
| ASV3265\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV328\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3285\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV3288\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV3293\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV3297\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV3298\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV330\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV3304\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV3308\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV331\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV332\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV3326\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Roseiflexaceae* |  |  |
| ASV3329\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* |  |  |
| ASV333\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3333\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV3334\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV334\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV3344\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV335\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV3353\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV3364\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV3368\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV337\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrella* |  |
| ASV3377\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV3388\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV339\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV3394\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV34\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Novosphingobium* |  |
| ASV3407\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *env.OPS 17* |  |  |
| ASV3410\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV342\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV3423\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV3424\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV3425\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV3431\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV344\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Granulicella* |  |
| ASV3443\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV3449\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* |  |  |
| ASV345\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV3458\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV346\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3461\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV3469\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV3470\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *Saccharimonadaceae* | *TM7a* |  |
| ASV3472\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3477\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV348\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV3486\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Solirubrobacter* |  |
| ASV349\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3492\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV3495\_B | Bacteria | Myxococcota | Polyangia | Nannocystales | *Nannocystaceae* | *Nannocystis* |  |
| ASV350\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Propionibacteriaceae* | *Friedmanniella* |  |
| ASV351\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV3522\_B | Bacteria | Firmicutes | Bacilli | Staphylococcales | *Staphylococcaceae* | *Staphylococcus* |  |
| ASV3524\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV3528\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Acidovorax* |  |
| ASV353\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV3534\_B | Bacteria | Actinobacteriota | Thermoleophilia | Gaiellales |  |  |  |
| ASV3539\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV3542\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV355\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* |  |  |
| ASV3555\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV356\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV357\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV3570\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV3577\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV358\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV3586\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV3588\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV359\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV36\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Caulobacterales | *Caulobacteraceae* |  |  |
| ASV3603\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV3605\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3615\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV3616\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV362\_B | Bacteria | Actinobacteriota | Actinobacteria | Kineosporiales | *Kineosporiaceae* | *Quadrisphaera* |  |
| ASV3620\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV3627\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV363\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3631\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Roseiflexaceae* |  |  |
| ASV364\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrisoma* |  |
| ASV3642\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Delftia* |  |
| ASV3644\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *env.OPS 17* |  |  |
| ASV365\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV366\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhodobacterales | *Rhodobacteraceae* | *Rubellimicrobium* |  |
| ASV3660\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Protochlamydia* |  |
| ASV3669\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Roseiflexaceae* |  |  |
| ASV367\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV368\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV3681\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV3691\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV3697\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV370\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV3706\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *Cystobacter* |  |
| ASV3711\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *env.OPS 17* |  |  |
| ASV3712\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Simkaniaceae* |  |  |
| ASV372\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV373\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV374\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV375\_B | Bacteria | Actinobacteriota | Actinobacteria | Micromonosporales | *Micromonosporaceae* | *Actinoplanes* |  |
| ASV3753\_B | Bacteria | Firmicutes | Bacilli | Mycoplasmatales | *Mycoplasmataceae* | *Mycoplasma* |  |
| ASV3759\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV376\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3761\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Trueperaceae* | *Truepera* |  |
| ASV3767\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV3777\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV378\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Frankia* |  |
| ASV3780\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV3782\_B | Bacteria | Planctomycetota | Planctomycetes | Pirellulales | *Pirellulaceae* |  |  |
| ASV3785\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* |  |  |
| ASV3786\_B | Bacteria | Firmicutes | Bacilli | Mycoplasmatales | *Mycoplasmataceae* | *Mycoplasma* |  |
| ASV379\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV38\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Acidiphilium* |  |
| ASV3808\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV381\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV382\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV3823\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV3824\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Nubsella* |  |
| ASV383\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3836\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bacteriovoracales | *Bacteriovoracaceae* | *Peredibacter* |  |
| ASV3841\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV3852\_B | Bacteria | Firmicutes | Bacilli | Staphylococcales | *Staphylococcaceae* | *Staphylococcus* |  |
| ASV386\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Terriglobus* |  |
| ASV3868\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV387\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV3874\_B | Bacteria | Acidobacteriota | Acidobacteriae | Solibacterales | *Solibacteraceae* | *Candidatus Solibacter* |  |
| ASV3879\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV388\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3880\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Rhizobacter* |  |
| ASV3888\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *BIrii41* |  |  |
| ASV389\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV3890\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Xanthomonadales | *Xanthomonadaceae* | *Stenotrophomonas* |  |
| ASV39\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Caulobacterales | *Caulobacteraceae* |  |  |
| ASV3902\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* |  |  |
| ASV3906\_B | Bacteria | Acidobacteriota | Vicinamibacteria | Vicinamibacterales |  |  |  |
| ASV3907\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV391\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV3913\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Protochlamydia* |  |
| ASV3916\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV3918\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV392\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Variovorax* |  |
| ASV393\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV3940\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV395\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV396\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV3960\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV3961\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV3967\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Kaiserbacteria |  |  |  |
| ASV398\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV3983\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV3984\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV399\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV40\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *Methylobacterium-Methylorubrum* |  |
| ASV400\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* |  |  |
| ASV401\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV4012\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV4014\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV4015\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV4018\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV402\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4020\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *BIrii41* |  |  |
| ASV4024\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Rubritaleaceae* | *Luteolibacter* |  |
| ASV403\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV404\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV405\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV4056\_B | Bacteria | Firmicutes | Clostridia | Lachnospirales | *Lachnospiraceae* | *Lachnoclostridium* |  |
| ASV4063\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV407\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4076\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV4077\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV4079\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV4085\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Terrimonas* |  |
| ASV4086\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV4088\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV4096\_B | Bacteria | Chloroflexi | Chloroflexia | Kallotenuales | *AKIW781* |  |  |
| ASV41\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV410\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4102\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV411\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV4111\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Mooreiaceae* | *Mooreia* |  |
| ASV412\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV413\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4140\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* |  |  |
| ASV4143\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV4146\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV415\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV416\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV4162\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Cytophagaceae* | *Cytophaga* |  |
| ASV4163\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Rubritaleaceae* | *Luteolibacter* |  |
| ASV417\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV418\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Nocardioidaceae* | *Marmoricola* |  |
| ASV419\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Oxalobacteraceae* | *Massilia* |  |
| ASV4194\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4197\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV421\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Acidiphilium* |  |
| ASV4210\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV4214\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV4218\_B | Bacteria | Proteobacteria | Gammaproteobacteria | S1-3-65 |  |  |  |
| ASV4219\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV422\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Parafilimonas* |  |
| ASV4224\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV423\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV4231\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV424\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4240\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV425\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV4258\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV4259\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales |  |  |  |
| ASV426\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV4261\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Cytophagaceae* | *Cytophaga* |  |
| ASV427\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Xanthomonadales | *Xanthomonadaceae* | *Luteimonas* |  |
| ASV4270\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *env.OPS 17* |  |  |
| ASV4274\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV4277\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV429\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Terriglobus* |  |
| ASV430\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV4301\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV4311\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV4315\_B | Bacteria | Dependentiae | Babeliae | Babeliales |  |  |  |
| ASV432\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4322\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV4323\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV4328\_B | Bacteria | Firmicutes | Negativicutes | Veillonellales-Selenomonadales | *Sporomusaceae* | *Sporomusa* |  |
| ASV434\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4342\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Rubritaleaceae* | *Luteolibacter* |  |
| ASV435\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV4363\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* |  |  |
| ASV437\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4370\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV4373\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Reyranellales | *Reyranellaceae* | *Reyranella* |  |
| ASV44\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Intrasporangiaceae* | *Knoellia* |  |
| ASV440\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV441\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV4417\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV4418\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV443\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4436\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* | *Gemmatimonas* |  |
| ASV4438\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV444\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV4442\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV4447\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Rubidus* |  |
| ASV4449\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV445\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Nocardioidaceae* | *Nocardioides* |  |
| ASV4453\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV4454\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *AB1* |  |  |
| ASV4455\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV4460\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV447\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Jatrophihabitans* |  |
| ASV4470\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV4478\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bacteriovoracales | *Bacteriovoracaceae* | *Peredibacter* |  |
| ASV448\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV450\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV4518\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV4519\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *67-14* |  |  |
| ASV452\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV4520\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *SM2D12* |  |  |
| ASV4522\_B | Bacteria | Firmicutes | Bacilli | Lactobacillales | *Streptococcaceae* | *Lactococcus* |  |
| ASV454\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV4542\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV4547\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV455\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV456\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Aurantisolimonas* |  |
| ASV458\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV459\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4593\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Nomurabacteria |  |  |  |
| ASV4596\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV4598\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV46\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV460\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV461\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV463\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV464\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Nocardioidaceae* | *Marmoricola* |  |
| ASV4640\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV465\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV4652\_B | Bacteria | Dependentiae | Babeliae | Babeliales | *UBA12409* |  |  |
| ASV4656\_B | Bacteria | Firmicutes | Clostridia | Peptostreptococcales-Tissierellales | *Family XI* | *Anaerococcus* |  |
| ASV4658\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *cvE6* |  |  |
| ASV466\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4664\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV4666\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV4667\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV4672\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Dyadobacter* |  |
| ASV4673\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV469\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV47\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrella* |  |
| ASV470\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV4704\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV471\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4716\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV473\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV4733\_B | Bacteria | Dependentiae | Babeliae | Babeliales |  |  |  |
| ASV4737\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Xanthomonadales | *Xanthomonadaceae* | *Stenotrophomonas* |  |
| ASV474\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV4746\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Phaselicystidaceae* | *Phaselicystis* |  |
| ASV4749\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV475\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4757\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV4759\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV476\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4768\_B | Bacteria | Gemmatimonadota | Longimicrobia | Longimicrobiales | *Longimicrobiaceae* | *YC-ZSS-LKJ147* |  |
| ASV477\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV478\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4792\_B | Bacteria | Acidobacteriota | Vicinamibacteria | Vicinamibacterales | *Vicinamibacteraceae* |  |  |
| ASV4798\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Cytophagaceae* | *Cytophaga* |  |
| ASV4799\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Pseudomonadales | *Moraxellaceae* | *Enhydrobacter* |  |
| ASV48\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV480\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4800\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Cytophagaceae* | *Cytophaga* |  |
| ASV4804\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* |  |  |
| ASV4805\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *AB1* |  |  |
| ASV4807\_B | Bacteria | Acidobacteriota | Blastocatellia | DS-100 |  |  |  |
| ASV4812\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV4814\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV4815\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV483\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV4839\_B | Bacteria | Firmicutes | Clostridia | Lachnospirales | *Lachnospiraceae* | *Anaerocolumna* |  |
| ASV4844\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV4848\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV4852\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV486\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV4865\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV487\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV488\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV489\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV49\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV4912\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV492\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV493\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4943\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *env.OPS 17* |  |  |
| ASV495\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV4952\_B | Bacteria | Firmicutes | Bacilli | Lactobacillales | *Streptococcaceae* | *Streptococcus* |  |
| ASV4953\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV4955\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Neochlamydia* |  |
| ASV4958\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV4959\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV497\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV4975\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV499\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV5\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV50\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV500\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV501\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV503\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV504\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5044\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Simkaniaceae* |  |  |
| ASV5046\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV506\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5061\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV5089\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV509\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV51\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV510\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV5100\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV5103\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV511\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* |  |  |
| ASV513\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV5132\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV5139\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV5140\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Nomurabacteria |  |  |  |
| ASV5147\_B | Bacteria | Dependentiae | Babeliae | Babeliales | *UBA12409* |  |  |
| ASV515\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV516\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* |  |  |
| ASV517\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV518\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV519\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV52\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV5201\_B | Bacteria | Gemmatimonadota | Gemmatimonadetes | Gemmatimonadales | *Gemmatimonadaceae* |  |  |
| ASV521\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5224\_B | Bacteria | Chloroflexi | Chloroflexia | Kallotenuales | *AKIW781* |  |  |
| ASV523\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Microbacteriaceae* | *Amnibacterium* |  |
| ASV5249\_B | Bacteria | Gemmatimonadota | Longimicrobia | Longimicrobiales | *Longimicrobiaceae* |  |  |
| ASV525\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV5257\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV526\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* |  |  |
| ASV5260\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV527\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5279\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Opitutales | *Opitutaceae* | *Diplosphaera* |  |
| ASV528\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV529\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV5300\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV5301\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV5305\_B | Bacteria | Dependentiae | Babeliae | Babeliales |  |  |  |
| ASV532\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV5322\_B | Bacteria | Dependentiae | Babeliae | Babeliales | *Vermiphilaceae* |  |  |
| ASV533\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV5331\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV5339\_B | Bacteria | Firmicutes | Bacilli | Staphylococcales | *Staphylococcaceae* | *Staphylococcus* |  |
| ASV536\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV5363\_B | Bacteria | Firmicutes | Bacilli | Bacillales | *Marinococcaceae* | *Marinococcus* |  |
| ASV5364\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV5368\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV537\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV538\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Propionibacteriaceae* | *Friedmanniella* |  |
| ASV539\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV54\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Acidiphilium* |  |
| ASV540\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Burkholderiaceae* | *Limnobacter* |  |
| ASV5401\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Cytophagaceae* | *Cytophaga* |  |
| ASV541\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV5416\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Protochlamydia* |  |
| ASV542\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Aurantisolimonas* |  |
| ASV5429\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV543\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales |  |  |  |
| ASV5430\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV544\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV5440\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Legionellales | *Legionellaceae* | *Legionella* |  |
| ASV546\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV5463\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *Melittangium* |  |
| ASV547\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV5476\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV548\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV5489\_B | Bacteria | Bdellovibrionota | Oligoflexia | Silvanigrellales | *Silvanigrellaceae* |  |  |
| ASV549\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV55\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV550\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV5504\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV5509\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV551\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Pseudonocardia* |  |
| ASV5511\_B | Bacteria | Chloroflexi | Chloroflexia | Kallotenuales | *AKIW781* |  |  |
| ASV552\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV553\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV554\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5547\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* |  |  |
| ASV555\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV5555\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV556\_B | Bacteria | Acidobacteriota | Acidobacteriae | Solibacterales | *Solibacteraceae* | *Candidatus Solibacter* |  |
| ASV558\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5583\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Rubritaleaceae* | *Luteolibacter* |  |
| ASV5584\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV559\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV56\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV560\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV561\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV5616\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bacteriovoracales | *Bacteriovoracaceae* | *Peredibacter* |  |
| ASV5618\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV562\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *Cystobacter* |  |
| ASV5624\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV563\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV5630\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV5633\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Weeksellaceae* | *Chryseobacterium* |  |
| ASV5638\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV564\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Solirubrobacter* |  |
| ASV565\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV5663\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV5668\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Diplorickettsiales | *Diplorickettsiaceae* |  |  |
| ASV568\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Pseudomonadales | *Pseudomonadaceae* | *Pseudomonas* |  |
| ASV569\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV5690\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV5694\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Protochlamydia* |  |
| ASV57\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Nakamurellaceae* | *Nakamurella* |  |
| ASV570\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV571\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV572\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Parafilimonas* |  |
| ASV573\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5730\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV5746\_B | Bacteria | Firmicutes | Clostridia | Clostridiales | *Clostridiaceae* |  |  |
| ASV5749\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV575\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV5756\_B | Bacteria | Armatimonadota | Armatimonadia | Armatimonadales |  |  |  |
| ASV576\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV577\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV578\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5790\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV5792\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Variovorax* |  |
| ASV5793\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV5799\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV58\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Roseomonas* |  |
| ASV580\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5810\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV5812\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Verrucomicrobiales | *Rubritaleaceae* | *Luteolibacter* |  |
| ASV5814\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV583\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV5830\_B | Bacteria | Bacteroidota | Bacteroidia | Bacteroidales | *Dysgonomonadaceae* | *Dysgonomonas* |  |
| ASV5842\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV5856\_B | Bacteria | Firmicutes | Clostridia | Lachnospirales | *Lachnospiraceae* | *Blautia* |  |
| ASV5858\_B | Bacteria | Chloroflexi | Chloroflexia | Kallotenuales | *AKIW781* |  |  |
| ASV5866\_B | Bacteria | Firmicutes | Clostridia | Clostridiales | *Clostridiaceae* |  |  |
| ASV5867\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* |  |  |
| ASV587\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV5870\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV589\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV5891\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *env.OPS 17* |  |  |
| ASV59\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Granulicella* |  |
| ASV590\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV5911\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV593\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV5934\_B | Bacteria | Firmicutes | Bacilli | Paenibacillales | *Paenibacillaceae* | *Paenibacillus* |  |
| ASV594\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV5943\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV5944\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV595\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV5967\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV5968\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV597\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV5975\_B | Bacteria | Firmicutes | Bacilli | Lactobacillales | *Carnobacteriaceae* | *Carnobacterium* |  |
| ASV5976\_B | Bacteria | Sumerlaeota | Sumerlaeia | Sumerlaeales | *Sumerlaeaceae* | *Sumerlaea* |  |
| ASV5977\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV5978\_B | Bacteria | Actinobacteriota | Thermoleophilia | Gaiellales |  |  |  |
| ASV598\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* |  |  |
| ASV5980\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV599\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV6\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV60\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Microbacteriaceae* | *Lysinimonas* |  |
| ASV600\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Nocardioidaceae* | *Marmoricola* |  |
| ASV6006\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV601\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV6010\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Nomurabacteria |  |  |  |
| ASV6018\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bacteriovoracales | *Bacteriovoracaceae* | *Peredibacter* |  |
| ASV602\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV6020\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6025\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV603\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV6034\_B | Bacteria | Dependentiae | Babeliae | Babeliales | *UBA12409* |  |  |
| ASV6040\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV605\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Roseiflexaceae* |  |  |
| ASV6054\_B | Bacteria | Dependentiae | Babeliae | Babeliales |  |  |  |
| ASV6057\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6058\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Kaiserbacteria |  |  |  |
| ASV6069\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bacteriovoracales | *Bacteriovoracaceae* | *Bacteriovorax* |  |
| ASV6076\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Neisseriaceae* |  |  |
| ASV609\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV6096\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *OM27 clade* |  |
| ASV61\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Sphingomonas* |  |
| ASV6100\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV6101\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Amoebophilaceae* | *Candidatus Amoebophilus* |  |
| ASV611\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV6113\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Rhizobacter* |  |
| ASV6115\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Xiphinematobacteraceae* | *Candidatus Xiphinematobacter* |  |
| ASV6116\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Fokiniaceae* | *Candidatus Anadelfobacter* |  |
| ASV612\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV6121\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Nomurabacteria |  |  |  |
| ASV6123\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV613\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV6130\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV6135\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV614\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrella* |  |
| ASV6148\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV615\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV6154\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV617\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Rhizobacter* |  |
| ASV6171\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Micrococcaceae* | *Micrococcus* |  |
| ASV6174\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV6177\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV6178\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6179\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV6188\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV619\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV620\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV6204\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* |  |  |
| ASV621\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV6225\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV6226\_B | Bacteria | Cyanobacteria | Vampirivibrionia | Obscuribacterales | *Obscuribacteraceae* |  |  |
| ASV6239\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Opitutales | *Opitutaceae* | *Opitutus* |  |
| ASV624\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV625\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Acidipila-Silvibacterium* |  |
| ASV6252\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV6263\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV6267\_B | Bacteria | Dependentiae | Babeliae | Babeliales |  |  |  |
| ASV6276\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV628\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV629\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Candidatus Udaeobacter* |  |
| ASV6292\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6296\_B | Bacteria | Firmicutes | Syntrophomonadia | Syntrophomonadales | *Syntrophomonadaceae* |  |  |
| ASV63\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Jatrophihabitans* |  |
| ASV6302\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV6310\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* |  |  |
| ASV6311\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV6315\_B | Bacteria | Bdellovibrionota | Oligoflexia | Silvanigrellales | *Silvanigrellaceae* |  |  |
| ASV6317\_B | Bacteria | Armatimonadota | Armatimonadia | Armatimonadales |  |  |  |
| ASV632\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV6321\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV6324\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Protochlamydia* |  |
| ASV633\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV634\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV635\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Propionibacteriaceae* | *Friedmanniella* |  |
| ASV6355\_B | Bacteria | Chloroflexi | Ktedonobacteria | C0119 |  |  |  |
| ASV636\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6365\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV6368\_B | Bacteria | Gemmatimonadota | Longimicrobia | Longimicrobiales | *Longimicrobiaceae* | *YC-ZSS-LKJ147* |  |
| ASV6370\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV6379\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Weeksellaceae* | *Chryseobacterium* |  |
| ASV638\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV639\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV6390\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV64\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Nocardioidaceae* | *Marmoricola* |  |
| ASV6400\_B | Bacteria | Firmicutes | Bacilli | Lactobacillales | *Lactobacillaceae* | *Ligilactobacillus* |  |
| ASV6413\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV6422\_B | Bacteria | Chloroflexi | Chloroflexia | Chloroflexales | *Chloroflexaceae* | *FFCH7168* |  |
| ASV6435\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV644\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV6442\_B | Bacteria | Dependentiae | Babeliae | Babeliales |  |  |  |
| ASV646\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV6463\_B | Bacteria | Chloroflexi | Anaerolineae | SBR1031 | *A4b* |  |  |
| ASV6469\_B | Bacteria | Myxococcota | Polyangia | Nannocystales | *Nannocystaceae* | *Nannocystis* |  |
| ASV6472\_B | Bacteria | Firmicutes | Clostridia | Lachnospirales | *Lachnospiraceae* | *Tyzzerella* |  |
| ASV648\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV649\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Geodermatophilaceae* | *Klenkia* |  |
| ASV6491\_B | Bacteria | Chloroflexi | Anaerolineae | SBR1031 | *A4b* |  |  |
| ASV6495\_B | Bacteria | Bacteroidota | Rhodothermia | Rhodothermales | *Rhodothermaceae* | *Rubrivirga* |  |
| ASV6499\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV65\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* |  |  |
| ASV6505\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Xanthomonadales | *Xanthomonadaceae* | *Pseudoxanthomonas* |  |
| ASV651\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV6511\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV6513\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Nomurabacteria |  |  |  |
| ASV6517\_B | Bacteria | Firmicutes | Clostridia | Peptostreptococcales-Tissierellales | *Family XI* | *Peptoniphilus* |  |
| ASV6526\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6527\_B | Bacteria | Desulfobacterota | Desulfovibrionia | Desulfovibrionales | *Desulfovibrionaceae* | *Desulfovibrio* |  |
| ASV653\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV6531\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV654\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrella* |  |
| ASV6542\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Neochlamydia* |  |
| ASV6544\_B | Bacteria | Bacteroidota | Bacteroidia | Bacteroidales | *Tannerellaceae* | *Parabacteroides* |  |
| ASV6557\_B | Bacteria | Planctomycetota | Planctomycetes | Pirellulales | *Pirellulaceae* | *Pirellula* |  |
| ASV656\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV657\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV6576\_B | Bacteria | Acidobacteriota | Vicinamibacteria | Vicinamibacterales |  |  |  |
| ASV6580\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV6583\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV6585\_B | Bacteria | Firmicutes | Clostridia | Lachnospirales | *Lachnospiraceae* | *Tyzzerella* |  |
| ASV659\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales |  |  |  |
| ASV6597\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV66\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *Methylobacterium-Methylorubrum* |  |
| ASV6601\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV6620\_B | Bacteria | Chloroflexi | Anaerolineae | RBG-13-54-9 |  |  |  |
| ASV663\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV6636\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV6639\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Enterobacterales |  |  |  |
| ASV664\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV6641\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV6642\_B | Bacteria | Planctomycetota | Planctomycetes | Pirellulales | *Pirellulaceae* |  |  |
| ASV6646\_B | Bacteria | Actinobacteriota | Actinobacteria | Propionibacteriales | *Propionibacteriaceae* | *Cutibacterium* |  |
| ASV6665\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6671\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bacteriovoracales | *Bacteriovoracaceae* | *Peredibacter* |  |
| ASV6679\_B | Bacteria | Gemmatimonadota | Longimicrobia | Longimicrobiales | *Longimicrobiaceae* |  |  |
| ASV668\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV6681\_B | Bacteria | Planctomycetota | Phycisphaerae | Phycisphaerales | *Phycisphaeraceae* | *SM1A02* |  |
| ASV6698\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* | *Pelomonas* |  |
| ASV6702\_B | Bacteria | Firmicutes | Clostridia | Lachnospirales | *Lachnospiraceae* | *Tyzzerella* |  |
| ASV6705\_B | Bacteria | Spirochaetota | Spirochaetia | Spirochaetales | *Spirochaetaceae* |  |  |
| ASV6707\_B | Bacteria | Firmicutes | Clostridia | Lachnospirales | *Lachnospiraceae* | *Tyzzerella* |  |
| ASV6708\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6712\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6715\_B | Bacteria | Patescibacteria | Parcubacteria | Candidatus Kaiserbacteria |  |  |  |
| ASV6717\_B | Bacteria | Firmicutes | Bacilli | Paenibacillales | *Paenibacillaceae* | *Paenibacillus* |  |
| ASV6719\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV6723\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Mesochlamydia* |  |
| ASV6728\_B | Bacteria | Spirochaetota | Spirochaetia | Spirochaetales | *Spirochaetaceae* |  |  |
| ASV6731\_B | Bacteria | Firmicutes | Clostridia | Lachnospirales | *Lachnospiraceae* |  |  |
| ASV6736\_B | Bacteria | Chloroflexi | Chloroflexia | Kallotenuales | *AKIW781* |  |  |
| ASV674\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *67-14* |  |  |
| ASV6747\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* |  |  |
| ASV6750\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* |  |  |
| ASV6767\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV6772\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6777\_B | Bacteria | Acidobacteriota | Thermoanaerobaculia | Thermoanaerobaculales | *Thermoanaerobaculaceae* | *Subgroup 10* |  |
| ASV6779\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV6788\_B | Bacteria | Firmicutes | Negativicutes | Veillonellales-Selenomonadales |  |  |  |
| ASV679\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Aurantisolimonas* |  |
| ASV6792\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales |  |  |  |
| ASV68\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV6801\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Methylacidiphilales | *Methylacidiphilaceae* |  |  |
| ASV6804\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV681\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV682\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV6825\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV6833\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Rickettsiaceae* | *Candidatus Arcanobacter* |  |
| ASV684\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV6840\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Flavobacteriaceae* | *Flavobacterium* |  |
| ASV6846\_B | Bacteria | Dependentiae | Babeliae | Babeliales | *Vermiphilaceae* |  |  |
| ASV685\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV686\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Dermacoccaceae* | *Allobranchiibius* |  |
| ASV6861\_B | Bacteria | Planctomycetota | Planctomycetes | Pirellulales | *Pirellulaceae* |  |  |
| ASV6865\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV6866\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV687\_B | Bacteria | Acidobacteriota | Acidobacteriae | Solibacterales | *Solibacteraceae* | *Candidatus Solibacter* |  |
| ASV6872\_B | Bacteria | Acidobacteriota | Vicinamibacteria | Vicinamibacterales |  |  |  |
| ASV6875\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6877\_B | Bacteria | Planctomycetota | Planctomycetes | Pirellulales | *Pirellulaceae* |  |  |
| ASV6888\_B | Bacteria | Firmicutes | Clostridia | Peptostreptococcales-Tissierellales | *Family XI* | *Peptoniphilus* |  |
| ASV689\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV6892\_B | Bacteria | Bacteroidota | Bacteroidia | Flavobacteriales | *Weeksellaceae* | *Chryseobacterium* |  |
| ASV6894\_B | Bacteria | Planctomycetota | Planctomycetes | Pirellulales | *Pirellulaceae* | *Pir4 lineage* |  |
| ASV6897\_B | Bacteria | Spirochaetota | Spirochaetia | Spirochaetales | *Spirochaetaceae* |  |  |
| ASV6902\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6903\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV6909\_B | Bacteria | Firmicutes | Bacilli | Paenibacillales | *Paenibacillaceae* | *Paenibacillus* |  |
| ASV6915\_B | Bacteria | Firmicutes | Bacilli | Entomoplasmatales | *Spiroplasmataceae* | *Spiroplasma* |  |
| ASV6918\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV692\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV6925\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Opitutales | *Opitutaceae* | *Opitutus* |  |
| ASV6929\_B | Bacteria | Gemmatimonadota | Longimicrobia | Longimicrobiales | *Longimicrobiaceae* |  |  |
| ASV6932\_B | Bacteria | Planctomycetota | Planctomycetes | Pirellulales | *Pirellulaceae* | *Pir4 lineage* |  |
| ASV6934\_B | Bacteria | Verrucomicrobiota | Chlamydiae | Chlamydiales | *Parachlamydiaceae* | *Candidatus Protochlamydia* |  |
| ASV694\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV695\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV6957\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Bryocella* |  |
| ASV697\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV6973\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV698\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV699\_B | Bacteria | Acidobacteriota | Acidobacteriae | Solibacterales | *Solibacteraceae* | *Candidatus Solibacter* |  |
| ASV7\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV70\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Edaphobacter* |  |
| ASV700\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Microbacteriaceae* | *Amnibacterium* |  |
| ASV701\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV702\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Huanghella* |  |
| ASV703\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Trueperaceae* | *Truepera* |  |
| ASV704\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV705\_B | Bacteria | Armatimonadota | Fimbriimonadia | Fimbriimonadales | *Fimbriimonadaceae* |  |  |
| ASV708\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV710\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Comamonadaceae* |  |  |
| ASV712\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Parafilimonas* |  |
| ASV713\_B | Bacteria | Bdellovibrionota | Oligoflexia | 0319-6G20 |  |  |  |
| ASV714\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Flavisolibacter* |  |
| ASV718\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV719\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Huanghella* |  |
| ASV72\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV720\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV721\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV722\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV724\_B | Bacteria | Actinobacteriota | Actinobacteria | Micromonosporales | *Micromonosporaceae* | *Actinoplanes* |  |
| ASV726\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV728\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV73\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Sphingomonadales | *Sphingomonadaceae* | *Ellin6055* |  |
| ASV732\_B | Bacteria | Actinobacteriota | Actinobacteria | Corynebacteriales | *Mycobacteriaceae* | *Mycobacterium* |  |
| ASV733\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV734\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV736\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV737\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV738\_B | Bacteria | Acidobacteriota | Acidobacteriae | Acidobacteriales | *Acidobacteriaceae (Subgroup 1)* | *Bryocella* |  |
| ASV74\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV740\_B | Bacteria | Actinobacteriota | Actinobacteria | Micromonosporales | *Micromonosporaceae* | *Actinoplanes* |  |
| ASV743\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV744\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV746\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV747\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV749\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV750\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV751\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV752\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV754\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV756\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV757\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV760\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrella* |  |
| ASV762\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV763\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Fibrella* |  |
| ASV766\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV77\_B | Bacteria | Actinobacteriota | Actinobacteria | Micromonosporales | *Micromonosporaceae* | *Actinoplanes* |  |
| ASV770\_B | Bacteria | Myxococcota | Polyangia | Polyangiales | *Polyangiaceae* | *Pajaroellobacter* |  |
| ASV772\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV773\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV774\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV775\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV776\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV777\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV778\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV779\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV78\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Acetobacterales | *Acetobacteraceae* | *Acidiphilium* |  |
| ASV781\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV783\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV785\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV786\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV787\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV788\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV789\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV79\_B | Bacteria | Actinobacteriota | Actinobacteria | Pseudonocardiales | *Pseudonocardiaceae* | *Actinomycetospora* |  |
| ASV793\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV798\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV8\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *Methylocella* |  |
| ASV80\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV800\_B | Bacteria | Myxococcota | Myxococcia | Myxococcales | *Myxococcaceae* | *P3OB-42* |  |
| ASV801\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV802\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Mooreiaceae* | *Mooreia* |  |
| ASV804\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV806\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV809\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV810\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV811\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* |  |  |
| ASV817\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV818\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV819\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV820\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV821\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV822\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV826\_B | Bacteria | Bdellovibrionota | Bdellovibrionia | Bdellovibrionales | *Bdellovibrionaceae* | *Bdellovibrio* |  |
| ASV828\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Aurantisolimonas* |  |
| ASV829\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV830\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV831\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Microbacteriaceae* | *Amnibacterium* |  |
| ASV832\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV833\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV834\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV835\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV838\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV839\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV84\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV840\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV844\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales |  |  |  |
| ASV845\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Burkholderiaceae* | *Limnobacter* |  |
| ASV848\_B | Bacteria | Actinobacteriota | Thermoleophilia | Solirubrobacterales | *Solirubrobacteraceae* | *Conexibacter* |  |
| ASV849\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV85\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV850\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV851\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV852\_B | Bacteria | Acidobacteriota | Acidobacteriae | Solibacterales | *Solibacteraceae* | *Candidatus Solibacter* |  |
| ASV853\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV855\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV856\_B | Bacteria | Acidobacteriota | Acidobacteriae | Bryobacterales | *Bryobacteraceae* | *Bryobacter* |  |
| ASV857\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV858\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Aurantisolimonas* |  |
| ASV859\_B | Bacteria | Deinococcota | Deinococci | Deinococcales | *Deinococcaceae* | *Deinococcus* |  |
| ASV86\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Jatrophihabitans* |  |
| ASV860\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV862\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV865\_B | Bacteria | Myxococcota | Polyangia | Haliangiales | *Haliangiaceae* | *Haliangium* |  |
| ASV866\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Flavisolibacter* |  |
| ASV867\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV869\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV871\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV872\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV879\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV88\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV882\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV883\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV884\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV887\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV89\_B | Bacteria | Actinobacteriota | Actinobacteria | Micrococcales | *Microbacteriaceae* | *Marisediminicola* |  |
| ASV890\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* |  |  |
| ASV893\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV895\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV896\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV897\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV898\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Gemmata* |  |
| ASV899\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV9\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rhizobiales | *Beijerinckiaceae* | *1174-901-12* |  |
| ASV90\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV901\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV904\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV906\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV908\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Edaphobaculum* |  |
| ASV909\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV91\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Nakamurellaceae* | *Nakamurella* |  |
| ASV911\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV912\_B | Bacteria | Planctomycetota | Planctomycetes | Gemmatales | *Gemmataceae* | *Fimbriiglobus* |  |
| ASV913\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV914\_B | Bacteria | Bdellovibrionota | Oligoflexia | Oligoflexales | *Oligoflexaceae* | *Oligoflexus* |  |
| ASV915\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV917\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV918\_B | Bacteria | Actinobacteriota | Actinobacteria | Kineosporiales | *Kineosporiaceae* | *Pseudokineococcus* |  |
| ASV92\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV921\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV923\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV924\_B | Bacteria | Proteobacteria | Alphaproteobacteria | Rickettsiales | *Mitochondria* |  |  |
| ASV925\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *Tepidisphaeraceae* | *Tepidisphaera* |  |
| ASV926\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV927\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Flavisolibacter* |  |
| ASV928\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV929\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV93\_B | Bacteria | Proteobacteria | Gammaproteobacteria | Burkholderiales | *Burkholderiaceae* | *Limnobacter* |  |
| ASV931\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV936\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV939\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV940\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales |  |  |  |
| ASV942\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV944\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV946\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV947\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV95\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV950\_B | Bacteria | Patescibacteria | Saccharimonadia | Saccharimonadales | *LWQ8* |  |  |
| ASV951\_B | Bacteria | Acidobacteriota | Blastocatellia | Blastocatellales | *Blastocatellaceae* | *Blastocatella* |  |
| ASV954\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV955\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV958\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV959\_B | Bacteria | Chloroflexi | Chloroflexia | Thermomicrobiales | *JG30-KF-CM45* |  |  |
| ASV96\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV965\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV966\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV967\_B | Bacteria | Planctomycetota | Phycisphaerae | Tepidisphaerales | *WD2101 soil group* |  |  |
| ASV969\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV97\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* | *Spirosoma* |  |
| ASV970\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV973\_B | Bacteria | Bacteroidota | Bacteroidia | Sphingobacteriales | *Sphingobacteriaceae* | *Mucilaginibacter* |  |
| ASV974\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV976\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Ferruginibacter* |  |
| ASV977\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Hymenobacteraceae* | *Hymenobacter* |  |
| ASV979\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *Chthoniobacter* |  |
| ASV98\_B | Bacteria | Abditibacteriota | Abditibacteria | Abditibacteriales | *Abditibacteriaceae* | *Abditibacterium* |  |
| ASV981\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* | *Segetibacter* |  |
| ASV986\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV989\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV99\_B | Bacteria | Actinobacteriota | Actinobacteria | Frankiales | *Frankiaceae* | *Jatrophihabitans* |  |
| ASV991\_B | Bacteria | Bacteroidota | Bacteroidia | Chitinophagales | *Chitinophagaceae* |  |  |
| ASV993\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV994\_B | Bacteria | Planctomycetota | Planctomycetes | Isosphaerales | *Isosphaeraceae* | *Tundrisphaera* |  |
| ASV995\_B | Bacteria | Bacteroidota | Bacteroidia | Cytophagales | *Spirosomaceae* |  |  |
| ASV997\_B | Bacteria | Verrucomicrobiota | Verrucomicrobiae | Chthoniobacterales | *Chthoniobacteraceae* | *LD29* |  |
| ASV\_1\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_100\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Lecania* | *cyrtella* |
| ASV\_1000\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Orbilia* |  |
| ASV\_1003\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Capronia* |  |
| ASV\_1004\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *globosa* |
| ASV\_1005\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Cephalothecaceae* |  |  |
| ASV\_1013\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales |  |  |  |
| ASV\_1014\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_102\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_1023\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Cordycipitaceae* | *Lecanicillium* | *lecanii* |
| ASV\_1024\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* |  |  |
| ASV\_1025\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1027\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Cucurbitariaceae* | *Parafenestella* | *mackenziei* |
| ASV\_1028\_F | Fungi | Chytridiomycota | Spizellomycetes | Spizellomycetales |  |  |  |
| ASV\_1029\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Hyaloscyphaceae* | *Proliferodiscus* | *dingleyae* |
| ASV\_1031\_F | Fungi | Ascomycota | Eurotiomycetes | Mycocaliciales | *Mycocaliciales\_fam\_Incertae\_sedis* | *Oosporidium* | *margaritiferum* |
| ASV\_1034\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Fusarium* |  |
| ASV\_1035\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Cephalothecaceae* |  |  |
| ASV\_1036\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1037\_F | Fungi | Olpidiomycota | GS18 | GS18 |  |  |  |
| ASV\_104\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Retiarius* |  |
| ASV\_1040\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Cladophialophora* |  |
| ASV\_1041\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Occultibambusaceae* | *Brunneofusispora* | *sinensis* |
| ASV\_1042\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Fenestellaceae* | *Fenestella* | *parafenestrata* |
| ASV\_1047\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Cephalothecaceae* |  |  |
| ASV\_1048\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *globispora* |
| ASV\_105\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiaceae* | *Myriangium* | *duriaei* |
| ASV\_106\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1060\_F | Fungi | Basidiomycota | Agaricostilbomycetes | Agaricostilbales | *Kondoaceae* | *Kondoa* |  |
| ASV\_1069\_F | Fungi | Ascomycota | Taphrinomycetes | Taphrinales | *Taphrinaceae* | *Taphrina* |  |
| ASV\_107\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1074\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Biscogniauxia* | *nummularia* |
| ASV\_1079\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* | *Pragmopora* |  |
| ASV\_1082\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Microcera* |  |
| ASV\_1083\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymosphaeriaceae* |  |  |
| ASV\_1084\_F | Fungi | Ascomycota | Leotiomycetes | Erysiphales | *Erysiphaceae* | *Sawadaea* |  |
| ASV\_1085\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* |  |  |
| ASV\_1089\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_1090\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lentitheciaceae* |  |  |
| ASV\_1091\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_1093\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Lycoperdaceae* | *Lycoperdon* | *pyriforme* |
| ASV\_1096\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_1097\_F | Fungi | Ascomycota | Eurotiomycetes |  |  |  |  |
| ASV\_1098\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_11\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* | *Scoliciosporum* | *umbrinum* |
| ASV\_1104\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Gnomoniaceae* | *Apiognomonia* | *errabunda* |
| ASV\_1105\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_1106\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_1107\_F | Fungi | Ascomycota | Leotiomycetes | Rhytismatales | *Rhytismataceae* | *Rhytisma* | *acerinum* |
| ASV\_1108\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Dermateaceae* | *Naevala* |  |
| ASV\_1109\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Cyphellophoraceae* | *Cyphellophora* | *sessilis* |
| ASV\_111\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Coniothyriaceae* | *Coniothyrium* | *glycines* |
| ASV\_1111\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Cryptocoryneum* | *condensatum* |
| ASV\_1116\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Rhynchogastremataceae* | *Papiliotrema* | *flavescens* |
| ASV\_1117\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_1119\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales |  |  |  |
| ASV\_112\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Stereocaulaceae* | *Lepraria* | *elobata* |
| ASV\_1125\_F | Fungi | Basidiomycota | Cystobasidiomycetes |  |  |  |  |
| ASV\_1128\_F | Fungi | Ascomycota | Dothideomycetes | Botryosphaeriales |  |  |  |
| ASV\_1131\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1132\_F | Fungi | Basidiomycota | Agaricostilbomycetes | Agaricostilbales | *Chionosphaeraceae* | *Cystobasidiopsis* | *lophatheri* |
| ASV\_1136\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* | *Muriformistrickeria* | *rosae* |
| ASV\_1138\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1144\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_1147\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1149\_F | Fungi | Basidiomycota | Cystobasidiomycetes |  |  |  |  |
| ASV\_1156\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_1157\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Athallia* | *cerinella* |
| ASV\_1159\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* | *longisporus* |
| ASV\_116\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Massarinaceae* | *Massarina* | *eburnea* |
| ASV\_1161\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Dermateaceae* | *Pezicula* |  |
| ASV\_1163\_F | Fungi | Basidiomycota | Spiculogloeomycetes |  |  |  |  |
| ASV\_1166\_F | Fungi | Basidiomycota | Pucciniomycetes | Septobasidiales | *Septobasidiaceae* | *Septobasidium* | *pseudopedicellatum* |
| ASV\_1168\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Neodevriesiaceae* | *Neodevriesia* | *knoxdaviesii* |
| ASV\_117\_F | Fungi | Ascomycota | Lecanoromycetes | Caliciales | *Physciaceae* | *Physcia* | *stellaris* |
| ASV\_1171\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_1173\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1174\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* |  |  |
| ASV\_1175\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *pusilla* |
| ASV\_1176\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1180\_F | Fungi | Basidiomycota | Microbotryomycetes |  |  |  |  |
| ASV\_1181\_F | Fungi | Ascomycota | Dothideomycetes | Botryosphaeriales |  |  |  |
| ASV\_1182\_F | Fungi | Ascomycota | Lecanoromycetes | Caliciales | *Physciaceae* | *Physcia* | *stellaris* |
| ASV\_1184\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1185\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_1187\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Exophiala* | *psychrophila* |
| ASV\_1188\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Clavicipitaceae* | *Conoideocrella* | *tenuis* |
| ASV\_1189\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* |  |
| ASV\_119\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Amorosiaceae* | *Angustimassarina* | *premilcurensis* |
| ASV\_1197\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales |  |  |  |
| ASV\_1198\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_12\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_120\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiales\_fam\_Incertae\_sedis* | *Endosporium* | *populi-tremuloides* |
| ASV\_1200\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_1201\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1202\_F | Fungi | Ascomycota | Dothideomycetes | Botryosphaeriales |  |  |  |
| ASV\_1205\_F | Fungi | Ascomycota | Sordariomycetes | Glomerellales | *Plectosphaerellaceae* | *Gibellulopsis* | *piscis* |
| ASV\_1206\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* |  |
| ASV\_1208\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Teichosporaceae* | *Teichospora* | *melanommoides* |
| ASV\_121\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Diaporthales\_fam\_Incertae\_sedis* | *Botryodiplodia* | *fraxini* |
| ASV\_1211\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1217\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *denigrata* |
| ASV\_1219\_F | Fungi | Ascomycota | Eurotiomycetes | Phaeomoniellales | *Phaeomoniellaceae* |  |  |
| ASV\_122\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1220\_F | Fungi | Ascomycota | Sordariomycetes | Glomerellales | *Plectosphaerellaceae* | *Stachylidium* |  |
| ASV\_1222\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Strophariaceae* | *Hypholoma* | *capnoides* |
| ASV\_1223\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Vibrisseaceae* | *Phialocephala* |  |
| ASV\_1228\_F | Fungi | Basidiomycota | Agaricostilbomycetes | Agaricostilbales | *Chionosphaeraceae* |  |  |
| ASV\_1229\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales |  |  |  |
| ASV\_1231\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *heimaeyensis* |
| ASV\_1233\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleraceae* | *Bullera* | *crocea* |
| ASV\_1234\_F | Fungi | Basidiomycota | Agaricostilbomycetes | Agaricostilbales | *Ruineniaceae* | *Ruinenia* | *rubra* |
| ASV\_1235\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Orbilia* |  |
| ASV\_124\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporaceae* | *Alternaria* | *metachromatica* |
| ASV\_1240\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Dermateaceae* |  |  |
| ASV\_1241\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Elsinoaceae* |  |  |
| ASV\_1245\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiales\_fam\_Incertae\_sedis* |  |  |
| ASV\_1246\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Cyphellophoraceae* | *Cyphellophora* | *eucalypti* |
| ASV\_1247\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariales\_fam\_Incertae\_sedis* | *Phialemoniopsis* | *cornearis* |
| ASV\_1248\_F | Fungi | Basidiomycota | Agaricomycetes | Phallales | *Phallaceae* | *Phallus* | *impudicus* |
| ASV\_1255\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_1256\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lophiostomataceae* | *Lophiostoma* |  |
| ASV\_1257\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiales\_fam\_Incertae\_sedis* | *Arthrocatena* |  |
| ASV\_1258\_F | Fungi | Ascomycota | Lecanoromycetes | Peltigerales | *Pannariaceae* |  |  |
| ASV\_1259\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Diaporthaceae* | *Diaporthe* |  |
| ASV\_1260\_F | Fungi | Ascomycota | Lecanoromycetes | Caliciales | *Caliciaceae* | *Buellia* | *griseovirens* |
| ASV\_1262\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Sarocladium* | *bactrocephalum* |
| ASV\_127\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymosphaeriaceae* | *Montagnula* | *jonesii* |
| ASV\_1272\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_1276\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lophiotremataceae* |  |  |
| ASV\_1277\_F | Fungi | Basidiomycota | Tremellomycetes | Filobasidiales | *Filobasidiaceae* | *Filobasidium* | *stepposum* |
| ASV\_1278\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_1286\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1288\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiales\_fam\_Incertae\_sedis* | *Arthrocatena* | *tenebrio* |
| ASV\_1289\_F | Fungi | Ascomycota | Lecanoromycetes | Peltigerales | *Pannariaceae* |  |  |
| ASV\_129\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_13\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_1301\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* | *Bannozyma* | *yamatoana* |
| ASV\_1304\_F | Fungi | Ascomycota | Dothideomycetes | Dothideales | *Dothioraceae* | *Perusta* | *inaequalis* |
| ASV\_1305\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1306\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Mycosphaerellaceae* |  |  |
| ASV\_1311\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiales\_fam\_Incertae\_sedis* | *Cadophora* | *luteo-olivacea* |
| ASV\_1313\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_1314\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* | *Tetracladium* |  |
| ASV\_1315\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1317\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_132\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1321\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Dioszegia* | *hungarica* |
| ASV\_1323\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Cenangiaceae* | *Chlorencoelia* | *torta* |
| ASV\_1324\_F | Fungi | Basidiomycota | Tremellomycetes | Cystofilobasidiales | *Mrakiaceae* | *Phaffia* |  |
| ASV\_1327\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Polycauliona* |  |
| ASV\_1328\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_1330\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Sporocadaceae* |  |  |
| ASV\_1332\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiales\_fam\_Incertae\_sedis* | *Coleophoma* |  |
| ASV\_1335\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1338\_F | Fungi | Ascomycota | Eurotiomycetes | Phaeomoniellales |  |  |  |
| ASV\_1340\_F | Fungi | Ascomycota | Sordariomycetes | Glomerellales | *Plectosphaerellaceae* | *Gibellulopsis* | *nigrescens* |
| ASV\_1345\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Lasiosphaeriaceae* |  |  |
| ASV\_1346\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Dioszegia* | *hungarica* |
| ASV\_1347\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_135\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Bacidina* |  |
| ASV\_1352\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *victoriae* |
| ASV\_1354\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Diaporthaceae* | *Diaporthe* |  |
| ASV\_1357\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Diatrypaceae* | *Eutypella* | *quaternata* |
| ASV\_1359\_F | Fungi | Basidiomycota | Agaricostilbomycetes | Agaricostilbales | *Kondoaceae* |  |  |
| ASV\_136\_F | Fungi | Ascomycota | Lecanoromycetes | Caliciales | *Physciaceae* | *Physcia* | *stellaris* |
| ASV\_1362\_F | Fungi | Basidiomycota | Microbotryomycetes | Sporidiobolales | *Sporidiobolaceae* | *Sporobolomyces* | *roseus* |
| ASV\_1363\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* |  |  |
| ASV\_1365\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1370\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_1371\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1373\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Retiarius* |  |
| ASV\_1376\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_1378\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_138\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Amorosiaceae* | *Angustimassarina* | *premilcurensis* |
| ASV\_1382\_F | Fungi | Olpidiomycota | GS18 | GS18 |  |  |  |
| ASV\_1387\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Catillariaceae* | *Catillaria* | *nigroclavata* |
| ASV\_1388\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* |  |  |
| ASV\_139\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1390\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1391\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_1393\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Amphosoma* | *persooniae* |
| ASV\_1397\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1398\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_1399\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Sarocladium* | *dejongiae* |
| ASV\_14\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiaceae* | *Myriangium* | *citri* |
| ASV\_1404\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Acremonium* | *spinosum* |
| ASV\_1406\_F | Fungi | Ascomycota | Lecanoromycetes | Candelariales | *Candelariaceae* | *Candelariella* |  |
| ASV\_1409\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_141\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Trichomeriaceae* | *Trichomerium* | *eucalypti* |
| ASV\_1410\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* | *Hymenoscyphus* | *microserotinus* |
| ASV\_1412\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Hyalorbilia* | *erythrostigma* |
| ASV\_1413\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Extremaceae* | *Saxophila* | *tyrrhenica* |
| ASV\_1415\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanoromycetes\_ord\_Incertae\_sedis | *Micropeltidaceae* |  |  |
| ASV\_1419\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Phaeotremellaceae* | *Phaeotremella* |  |
| ASV\_142\_F | Fungi | Ascomycota | Arthoniomycetes | Arthoniales | *Roccellaceae* | *Gyrographa* | *gyrocarpa* |
| ASV\_1420\_F | Fungi | Ascomycota | Saccharomycetes | Saccharomycetales | *Saccharomycetales\_fam\_Incertae\_sedis* | *Candida* | *blattae* |
| ASV\_1423\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Diatrypaceae* | *Diatrype* | *disciformis* |
| ASV\_1424\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* |  |
| ASV\_1427\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Omphalotaceae* | *Mycetinis* | *alliaceus* |
| ASV\_1428\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_1429\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Sordariales\_fam\_Incertae\_sedis* | *Rhodoveronaea* | *varioseptata* |
| ASV\_143\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Veronaea* |  |
| ASV\_1431\_F | Fungi | Ascomycota | Taphrinomycetes | Taphrinales | *Taphrinaceae* | *Taphrina* |  |
| ASV\_1435\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1437\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_1438\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* | *yoshinagae* |
| ASV\_144\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Trichomeriaceae* | *Knufia* |  |
| ASV\_1440\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Erythrobasidiales | *Erythrobasidiaceae* | *Erythrobasidium* | *hasegawianum* |
| ASV\_1444\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Valsaceae* |  |  |
| ASV\_145\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Cladosporiaceae* | *Cladosporium* |  |
| ASV\_1450\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Catillariaceae* | *Catillaria* | *nigroclavata* |
| ASV\_1451\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Erythrobasidiales | *Erythrobasidiaceae* | *Erythrobasidium* |  |
| ASV\_1453\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1454\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* |  |  |
| ASV\_1458\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_146\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* |  |  |
| ASV\_1461\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* |  |  |
| ASV\_1462\_F | Fungi | Ascomycota | Eurotiomycetes |  |  |  |  |
| ASV\_1467\_F | Fungi | Ascomycota | Taphrinomycetes | Taphrinales | *Taphrinaceae* | *Taphrina* | *vestergrenii* |
| ASV\_1468\_F | Fungi | Basidiomycota | Agaricomycetes | Corticiales | *Corticiaceae* |  |  |
| ASV\_1470\_F | Fungi | Ascomycota | Sordariomycetes | Myrmecridiales | *Myrmecridiaceae* | *Myrmecridium* | *sorbicola* |
| ASV\_1476\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiales\_fam\_Incertae\_sedis* |  |  |
| ASV\_1477\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales |  |  |  |
| ASV\_148\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* | *Scoliciosporum* | *umbrinum* |
| ASV\_1481\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_1483\_F | Fungi | Ascomycota | Orbiliomycetes |  |  |  |  |
| ASV\_1484\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Cystobasidiomycetes\_ord\_Incertae\_sedis | *Microsporomycetaceae* | *Microsporomyces* | *pini* |
| ASV\_1485\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales |  |  |  |
| ASV\_1487\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Hyalorbilia* |  |
| ASV\_1488\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Cephalothecaceae* |  |  |
| ASV\_1489\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_149\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *czarnotae* |
| ASV\_1494\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Nectria* | *pseudopeziza* |
| ASV\_1495\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_1496\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Biscogniauxia* | *nummularia* |
| ASV\_1497\_F | Fungi | Ascomycota | Sordariomycetes | Pisorisporiales | *Pisorisporiaceae* | *Achroceratosphaeria* | *potamia* |
| ASV\_1499\_F | Fungi | Mucoromycota | Umbelopsidomycetes | Umbelopsidales | *Umbelopsidaceae* | *Umbelopsis* | *angularis* |
| ASV\_15\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* | *Scoliciosporum* | *chlorococcum* |
| ASV\_150\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Occultibambusaceae* | *Brunneofusispora* | *sinensis* |
| ASV\_1500\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Orbilia* |  |
| ASV\_1503\_F | Fungi | Basidiomycota | Agaricomycetes | Boletales | *Melanogastraceae* | *Melanogaster* | *broomeanus* |
| ASV\_1507\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1511\_F | Fungi | Ascomycota | Dothideomycetes | Dothideomycetes\_ord\_Incertae\_sedis | *Dothideomycetes\_fam\_Incertae\_sedis* | *Neocladophialophora* | *quercina* |
| ASV\_1512\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Dermateaceae* | *Pezicula* | *melanigena* |
| ASV\_1515\_F | Fungi | Ascomycota | Dothideomycetes | Dothideomycetes\_ord\_Incertae\_sedis | *Dothideomycetes\_fam\_Incertae\_sedis* | *Radulidium* | *subulatum* |
| ASV\_1516\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Vibrisseaceae* | *Phialocephala* |  |
| ASV\_1517\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_152\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymellaceae* | *Didymella* |  |
| ASV\_1523\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_1524\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* | *maculosum* |
| ASV\_1526\_F | Fungi | Ascomycota | Dothideomycetes | Dothideales | *Dothideaceae* |  |  |
| ASV\_1527\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_1528\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Polycauliona* | *ascendens* |
| ASV\_1529\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* | *Uzbekistanica* |  |
| ASV\_1536\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_1538\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Polycauliona* |  |
| ASV\_1540\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *diploschistina* |
| ASV\_1543\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_1547\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_1548\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanoromycetes\_ord\_Incertae\_sedis | *Micropeltidaceae* |  |  |
| ASV\_1550\_F | Fungi | Ascomycota | Dothideomycetes | Venturiales | *Sympoventuriaceae* |  |  |
| ASV\_1553\_F | Fungi | Ascomycota | Sordariomycetes | Calosphaeriales | *Calosphaeriaceae* | *Jattaea* |  |
| ASV\_1556\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Hyaloscyphaceae* | *Glutinomyces* |  |
| ASV\_1559\_F | Fungi | Ascomycota | Sordariomycetes | Conioscyphales | *Conioscyphaceae* | *Conioscypha* |  |
| ASV\_1560\_F | Fungi | Basidiomycota | Exobasidiomycetes | Microstromatales | *Microstromataceae* | *Microstroma* | *bacarum* |
| ASV\_1564\_F | Fungi | Ascomycota | Taphrinomycetes | Taphrinales | *Taphrinaceae* | *Taphrina* |  |
| ASV\_1567\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *denigrata* |
| ASV\_1568\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1573\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Sclerotiniaceae* | *Sclerencoelia* | *fraxinicola* |
| ASV\_1575\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_1576\_F | Fungi | Basidiomycota | Tremellomycetes | Cystofilobasidiales | *Mrakiaceae* | *Itersonilia* | *perplexans* |
| ASV\_1579\_F | Fungi | Basidiomycota | Agaricostilbomycetes | Agaricostilbales | *Chionosphaeraceae* |  |  |
| ASV\_158\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Stylonectria* |  |
| ASV\_1582\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1587\_F | Fungi | Ascomycota | Dothideomycetes | Venturiales | *Sympoventuriaceae* | *Fusicladium* | *proteae* |
| ASV\_1589\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Amphosoma* | *persooniae* |
| ASV\_1591\_F | Fungi | Basidiomycota | Agaricomycetes | Polyporales | *Ganodermataceae* | *Ganoderma* | *cupreolaccatum* |
| ASV\_1592\_F | Fungi | Ascomycota | Eurotiomycetes |  |  |  |  |
| ASV\_1595\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *globosa* |
| ASV\_1596\_F | Fungi | Ascomycota | Sordariomycetes | Coniochaetales | *Coniochaetaceae* | *Coniochaeta* |  |
| ASV\_1598\_F | Fungi | Basidiomycota | Agaricomycetes | Cantharellales | *Ceratobasidiaceae* | *Ceratobasidium* |  |
| ASV\_16\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1600\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanoromycetes\_ord\_Incertae\_sedis | *Micropeltidaceae* |  |  |
| ASV\_1603\_F | Fungi | Ascomycota | Dothideomycetes | Dothideomycetes\_ord\_Incertae\_sedis | *Dothideomycetes\_fam\_Incertae\_sedis* | *Lembosiniella* | *eucalyptorum* |
| ASV\_1604\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1606\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_161\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Trichomeriaceae* | *Knufia* |  |
| ASV\_1610\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *czarnotae* |
| ASV\_1612\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiales\_fam\_Incertae\_sedis* | *Cadophora* | *melinii* |
| ASV\_1615\_F | Fungi | Basidiomycota | Pucciniomycetes |  |  |  |  |
| ASV\_1616\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Caloplaca* | *obscurella* |
| ASV\_1619\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_162\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1623\_F | Fungi | Ascomycota | Sordariomycetes | Conioscyphales | *Conioscyphaceae* | *Conioscypha* |  |
| ASV\_1624\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *wirthii* |
| ASV\_1625\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1627\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1628\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_1629\_F | Fungi | Ascomycota | Dothideomycetes | Venturiales | *Sympoventuriaceae* | *Fusicladium* | *proteae* |
| ASV\_163\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* |  |
| ASV\_1633\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* |  |
| ASV\_1634\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Dioszegia* | *var.\_zsoltii* |
| ASV\_1641\_F | Fungi | Chytridiomycota | Spizellomycetes | Spizellomycetales | *Powellomycetaceae* | *Powellomyces* |  |
| ASV\_1642\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Sirobasidiaceae* |  |  |
| ASV\_1643\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Hyalorbilia* |  |
| ASV\_1644\_F | Fungi | Basidiomycota | Agaricomycetes | Cantharellales |  |  |  |
| ASV\_1645\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* |  |
| ASV\_1647\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Cystobasidiales | *Cystobasidiaceae* | *Cystobasidium* |  |
| ASV\_1649\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_165\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Thyridariaceae* |  |  |
| ASV\_1653\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Cordycipitaceae* | *Lecanicillium* | *lecanii* |
| ASV\_1658\_F | Fungi | Ascomycota | Sordariomycetes | Microascales | *Microascales\_fam\_Incertae\_sedis* | *Seychellomyces* | *hexagonus* |
| ASV\_166\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiaceae* |  |  |
| ASV\_1660\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Catillariaceae* | *Catillaria* | *nigroclavata* |
| ASV\_1661\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Trimorphomycetaceae* | *Sugitazyma* | *miyagiana* |
| ASV\_1662\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1665\_F | Fungi | Ascomycota | Leotiomycetes | Thelebolales | *Pseudeurotiaceae* |  |  |
| ASV\_1666\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Annulohypoxylon* |  |
| ASV\_1669\_F | Fungi | Chytridiomycota | Rhizophlyctidomycetes | Rhizophlyctidales | *Rhizophlyctidaceae* | *Rhizophlyctis* | *rosea* |
| ASV\_1670\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1673\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *dimennae* |
| ASV\_1676\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Sclerotiniaceae* | *Botryotinia* | *pelargonii* |
| ASV\_1677\_F | Fungi | Chytridiomycota | Spizellomycetes | Spizellomycetales | *Powellomycetaceae* |  |  |
| ASV\_168\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* | *Lecidella* | *f.\_elaeochroma* |
| ASV\_1681\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1682\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Dissoconiaceae* | *Ramichloridium* | *apiculatum* |
| ASV\_1684\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymosphaeriaceae* | *Pseudopithomyces* | *rosae* |
| ASV\_169\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Amorosiaceae* | *Angustimassarina* | *acerina* |
| ASV\_1690\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1692\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Lycoperdaceae* | *Lycoperdon* | *echinatum* |
| ASV\_1694\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiales\_fam\_Incertae\_sedis* | *Microcyclospora* | *tardicrescens* |
| ASV\_1698\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_1699\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1700\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1704\_F | Fungi | Ascomycota | Sordariomycetes | Chaetosphaeriales | *Chaetosphaeriaceae* | *Chaetosphaeria* |  |
| ASV\_1705\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1706\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Trimorphomycetaceae* | *Trimorphomyces* |  |
| ASV\_1709\_F | Fungi | Basidiomycota | Agaricomycetes | Cantharellales | *Cantharellales\_fam\_Incertae\_sedis* | *Burgoa* | *verzuoliana* |
| ASV\_171\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Biatriosporaceae* |  |  |
| ASV\_1711\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_1712\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Bionectriaceae* | *Ovicillium* | *attenuatum* |
| ASV\_1715\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Hyalorbilia* |  |
| ASV\_172\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Cephalothecaceae* |  |  |
| ASV\_1720\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_1721\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1724\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Athallia* | *pyracea* |
| ASV\_1726\_F | Fungi | Basidiomycota | Agaricomycetes | Russulales | *Bondarzewiaceae* | *Heterobasidion* |  |
| ASV\_1728\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_173\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_1730\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *pusilla* |
| ASV\_1731\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1734\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Neonectria* | *major* |
| ASV\_1736\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1738\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_174\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Phaeosphaeriaceae* |  |  |
| ASV\_1741\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Gnomoniaceae* | *Plagiostoma* | *aesculi* |
| ASV\_1742\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1743\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Erythrobasidiales | *Erythrobasidiaceae* | *Erythrobasidium* |  |
| ASV\_1744\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_1746\_F | Fungi | Chytridiomycota | Spizellomycetes | Spizellomycetales | *Powellomycetaceae* | *Powellomyces* |  |
| ASV\_1747\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *anaptychiae* |
| ASV\_1748\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Elsinoaceae* | *Elsinoe* |  |
| ASV\_175\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Devriesia* | *fraserae* |
| ASV\_1750\_F | Fungi | Basidiomycota | Microbotryomycetes | Sporidiobolales | *Sporidiobolaceae* | *Rhodosporidiobolus* | *colostri* |
| ASV\_1754\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *globispora* |
| ASV\_1759\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Dioszegia* | *var.\_zsoltii* |
| ASV\_1765\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* | *longisporus* |
| ASV\_1767\_F | Fungi | Basidiomycota | Tremellomycetes |  |  |  |  |
| ASV\_1769\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *diploschistina* |
| ASV\_177\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* | *Bannozyma* | *yamatoana* |
| ASV\_1770\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_1773\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lophiostomataceae* | *Platystomum* | *crataegi* |
| ASV\_1780\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* | *yoshinagae* |
| ASV\_1781\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Capronia* | *nigerrima* |
| ASV\_1782\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* | *longisporus* |
| ASV\_1784\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1788\_F | Fungi | Ascomycota | Dothideomycetes | Dothideomycetes\_ord\_Incertae\_sedis | *Dothideomycetes\_fam\_Incertae\_sedis* | *Neocladophialophora* | *quercina* |
| ASV\_179\_F | Fungi | Ascomycota | Lecanoromycetes | Candelariales | *Candelariaceae* | *Candelariella* |  |
| ASV\_1793\_F | Fungi | Basidiomycota | Microbotryomycetes |  |  |  |  |
| ASV\_1798\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1799\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Cladophialophora* |  |
| ASV\_18\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *mayrhoferi* |
| ASV\_1801\_F | Fungi | Mortierellomycota | Mortierellomycetes | Mortierellales | *Mortierellaceae* | *Mortierella* |  |
| ASV\_1803\_F | Fungi | Ascomycota | Dothideomycetes | Dothideomycetes\_ord\_Incertae\_sedis | *Dothideomycetes\_fam\_Incertae\_sedis* | *Lembosiniella* | *eucalyptorum* |
| ASV\_1806\_F | Fungi | Ascomycota | Dothideomycetes | Tubeufiales | *Tubeufiaceae* |  |  |
| ASV\_1808\_F | Fungi | Mucoromycota | Umbelopsidomycetes | Umbelopsidales | *Umbelopsidaceae* | *Umbelopsis* | *angularis* |
| ASV\_1809\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1812\_F | Fungi | Ascomycota | Dothideomycetes | Venturiales |  |  |  |
| ASV\_1813\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanoromycetes\_ord\_Incertae\_sedis | *Lecanoromycetes\_fam\_Incertae\_sedis* | *Dictyocatenulata* |  |
| ASV\_1814\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Xanthoria* | *coomae* |
| ASV\_1816\_F | Fungi | Chytridiomycota | Spizellomycetes | Spizellomycetales | *Powellomycetaceae* |  |  |
| ASV\_1817\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1818\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Gibberella* | *intricans* |
| ASV\_182\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *mayrhoferi* |
| ASV\_1822\_F | Fungi | Ascomycota | Eurotiomycetes | Phaeomoniellales | *Phaeomoniellaceae* |  |  |
| ASV\_1824\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1825\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_1827\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Cladophialophora* | *minutissima* |
| ASV\_1829\_F | Fungi | Ascomycota | Taphrinomycetes | Taphrinales | *Taphrinaceae* | *Taphrina* |  |
| ASV\_1830\_F | Fungi | Basidiomycota | Tremellomycetes | Filobasidiales |  |  |  |
| ASV\_1832\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1835\_F | Fungi | Ascomycota | Saccharomycetes | Saccharomycetales | *Saccharomycetales\_fam\_Incertae\_sedis* | *Candida* | *tropicalis* |
| ASV\_1839\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_184\_F | Fungi | Ascomycota | Lecanoromycetes | Ostropales | *Coenogoniaceae* | *Coenogonium* |  |
| ASV\_1840\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_1842\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Caloplaca* |  |
| ASV\_1843\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *pusilla* |
| ASV\_1844\_F | Fungi | Ascomycota | Dothideomycetes | Botryosphaeriales | *Botryosphaeriaceae* | *Diplodia* | *scrobiculata* |
| ASV\_1848\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* |  |  |
| ASV\_1850\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1851\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Orbilia* |  |
| ASV\_1852\_F | Fungi | Ascomycota | Saccharomycetes | Saccharomycetales | *Saccharomycetales\_fam\_Incertae\_sedis* | *Candida* | *argentea* |
| ASV\_1853\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales |  |  |  |
| ASV\_1854\_F | Fungi | Ascomycota | Eurotiomycetes | Verrucariales | *Verrucariaceae* | *Agonimia* | *flabelliformis* |
| ASV\_1856\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Diatrypaceae* | *Diatrype* | *disciformis* |
| ASV\_1857\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Mycosphaerellaceae* | *Sphaerulina* |  |
| ASV\_1862\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1863\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1865\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_1866\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1867\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Strophariaceae* |  |  |
| ASV\_187\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1870\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1871\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_1872\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Crepidotaceae* | *Crepidotus* | *cesatii* |
| ASV\_1877\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Biscogniauxia* | *nummularia* |
| ASV\_1878\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Annulohypoxylon* |  |
| ASV\_1879\_F | Fungi | Ascomycota | Lecanoromycetes | Ostropales | *Stictidaceae* |  |  |
| ASV\_1881\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1883\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Bionectriaceae* |  |  |
| ASV\_1884\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiales\_fam\_Incertae\_sedis* | *Endosporium* |  |
| ASV\_1886\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Torulaceae* | *Torula* | *herbarum* |
| ASV\_1888\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiales\_fam\_Incertae\_sedis* | *Chalara* |  |
| ASV\_189\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Strophariaceae* | *Hypholoma* | *fasciculare* |
| ASV\_1890\_F | Fungi | Ascomycota | Orbiliomycetes |  |  |  |  |
| ASV\_1891\_F | Fungi | Chytridiomycota | Rhizophlyctidomycetes | Rhizophlyctidales | *Rhizophlyctidaceae* | *Rhizophlyctis* |  |
| ASV\_1893\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* | *Hymenoscyphus* |  |
| ASV\_1895\_F | Fungi | Ascomycota | Sordariomycetes | Coniochaetales | *Coniochaetaceae* | *Coniochaeta* |  |
| ASV\_1896\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* |  |
| ASV\_1897\_F | Fungi | Ascomycota | Dothideomycetes | Dothideales | *Dothioraceae* | *Hormonema* | *macrosporum* |
| ASV\_1898\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Trimorphomycetaceae* | *Saitozyma* | *podzolica* |
| ASV\_1899\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Polycauliona* |  |
| ASV\_190\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_1900\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Diatrypaceae* | *Eutypa* | *spinosa* |
| ASV\_1901\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *moriformis* |
| ASV\_1903\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1904\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Annulohypoxylon* | *cohaerens* |
| ASV\_1905\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *globispora* |
| ASV\_1908\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariales\_fam\_Incertae\_sedis* | *Fusidium* |  |
| ASV\_1909\_F | Fungi | Ascomycota | Sordariomycetes | Microascales | *Halosphaeriaceae* |  |  |
| ASV\_1910\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1912\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Tricholomataceae* | *Mycena* | *crocata* |
| ASV\_1915\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *dimennae* |
| ASV\_1917\_F | Fungi | Basidiomycota | Agaricomycetes | Polyporales | *Meruliaceae* | *Mycoacia* | *uda* |
| ASV\_1918\_F | Fungi | Basidiomycota | Agaricostilbomycetes | Agaricostilbales | *Agaricostilbaceae* |  |  |
| ASV\_1920\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1922\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Orbilia* |  |
| ASV\_1923\_F | Fungi | Ascomycota | Dothideomycetes | Dothideales | *Dothioraceae* | *Perusta* | *inaequalis* |
| ASV\_1924\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Biscogniauxia* | *nummularia* |
| ASV\_1928\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_1929\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreaceae* | *Trichoderma* |  |
| ASV\_193\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Microcera* |  |
| ASV\_1931\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Diaporthaceae* | *Diaporthe* |  |
| ASV\_1933\_F | Fungi | Ascomycota | Eurotiomycetes | Coryneliales |  |  |  |
| ASV\_194\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *mayrhoferi* |
| ASV\_1946\_F | Fungi | Ascomycota | Sordariomycetes | Glomerellales | *Plectosphaerellaceae* | *Verticillium* | *nonalfalfae* |
| ASV\_1947\_F | Fungi | Ascomycota | Leotiomycetes | Erysiphales | *Erysiphaceae* | *Erysiphe* | *wadae* |
| ASV\_1950\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_1951\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Sporormiaceae* | *Preussia* | *dubia* |
| ASV\_1955\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* |  |  |
| ASV\_1956\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_1957\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *pusilla* |
| ASV\_1958\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_1959\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Psathyrellaceae* | *Parasola* | *hercules* |
| ASV\_196\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Devriesia* |  |
| ASV\_1964\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *mesenterica* |
| ASV\_1966\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* |  |  |
| ASV\_1967\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Hypoxylon* | *rubiginosum* |
| ASV\_1969\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Cryptococcus* |  |
| ASV\_197\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_1970\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Cladophialophora* |  |
| ASV\_1972\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* | *Tetracladium* |  |
| ASV\_1973\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_1974\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1976\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Sporormiaceae* | *Preussia* | *tenerifae* |
| ASV\_1977\_F | Fungi | Basidiomycota | Tremellomycetes | Holtermanniales | *Holtermanniales\_fam\_Incertae\_sedis* | *Holtermanniella* | *takashimae* |
| ASV\_1979\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lophiostomataceae* |  |  |
| ASV\_1980\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Hyaloscyphaceae* | *Proliferodiscus* | *earoleucus* |
| ASV\_1983\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiaceae* | *Antennariella* | *placitae* |
| ASV\_1985\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1989\_F | Fungi | Basidiomycota | Tremellomycetes |  |  |  |  |
| ASV\_199\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Epibryaceae* | *Epibryon* | *interlamellare* |
| ASV\_1992\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Trichomeriaceae* | *Brycekendrickomyces* | *acaciae* |
| ASV\_1993\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* | *pieridis-ovalifoliae* |
| ASV\_1994\_F | Fungi | Ascomycota | Saccharomycetes | Saccharomycetales | *Saccharomycetales\_fam\_Incertae\_sedis* | *Candida* | *kruisii* |
| ASV\_1995\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiales\_fam\_Incertae\_sedis* | *Chalara* |  |
| ASV\_1996\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1997\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_1998\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_200\_F | Fungi | Ascomycota | Lecanoromycetes | Caliciales | *Physciaceae* | *Physcia* | *stellaris* |
| ASV\_2000\_F | Fungi | Ascomycota | Dothideomycetes | Venturiales | *Venturiaceae* | *Sympodiella* | *quercina* |
| ASV\_2004\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_2005\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Amphisphaeriaceae* | *Seimatosporium* | *quercinum* |
| ASV\_2007\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* | *Articulospora* |  |
| ASV\_2008\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_2009\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_201\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Psathyrellaceae* | *Coprinellus* |  |
| ASV\_203\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_205\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* | *Bannozyma* | *yamatoana* |
| ASV\_206\_F | Fungi | Ascomycota | Lecanoromycetes | Candelariales | *Candelariaceae* | *Candelariella* | *vitellina* |
| ASV\_209\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *denigrata* |
| ASV\_21\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_210\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Vibrisseaceae* | *Phialocephala* |  |
| ASV\_211\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Cyphellophoraceae* | *Cyphellophora* | *sessilis* |
| ASV\_212\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Dioszegia* |  |
| ASV\_213\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Elsinoaceae* |  |  |
| ASV\_214\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_215\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_216\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Retiarius* |  |
| ASV\_217\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_218\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Cladosporiaceae* | *Cladosporium* | *austrohemisphaericum* |
| ASV\_219\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Cyphellophoraceae* | *Cyphellophora* |  |
| ASV\_221\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_225\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Occultibambusaceae* | *Brunneofusispora* | *sinensis* |
| ASV\_226\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymosphaeriaceae* | *Pseudopithomyces* | *rosae* |
| ASV\_227\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales |  |  |  |
| ASV\_228\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales |  |  |  |
| ASV\_229\_F | Fungi | Ascomycota | Eurotiomycetes |  |  |  |  |
| ASV\_23\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Capronia* |  |
| ASV\_230\_F | Fungi | Basidiomycota | Tremellomycetes | Filobasidiales | *Piskurozymaceae* | *Piskurozyma* | *silvicola* |
| ASV\_232\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporaceae* | *Alternaria* |  |
| ASV\_235\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_237\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Mycosphaerellaceae* | *Ramularia* | *unterseheri* |
| ASV\_238\_F | Fungi | Ascomycota | Arthoniomycetes | Arthoniales | *Roccellaceae* |  |  |
| ASV\_24\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_240\_F | Fungi | Basidiomycota | Agaricomycetes | Polyporales | *Ganodermataceae* | *Ganoderma* |  |
| ASV\_242\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Cuniculitremaceae* | *Kockovaella* |  |
| ASV\_243\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_245\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Chaetothyriales\_fam\_Incertae\_sedis* | *Neophaeococcomyces* | *catenatus* |
| ASV\_249\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_250\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Devriesia* | *fraserae* |
| ASV\_251\_F | Fungi | Ascomycota | Arthoniomycetes | Arthoniales | *Roccellaceae* | *Gyrographa* | *gyrocarpa* |
| ASV\_252\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Fuscostagonospora* | *banksiae* |
| ASV\_254\_F | Fungi | Ascomycota | Arthoniomycetes | Arthoniales | *Roccellaceae* | *Gyrographa* | *gyrocarpa* |
| ASV\_256\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiales\_fam\_Incertae\_sedis* | *Arthrocatena* | *tenebrio* |
| ASV\_257\_F | Fungi | Ascomycota | Leotiomycetes | Erysiphales | *Erysiphaceae* | *Phyllactinia* | *guttata* |
| ASV\_258\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *globispora* |
| ASV\_259\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *pusilla* |
| ASV\_26\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* | *Bannozyma* | *yamatoana* |
| ASV\_260\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Devriesia* | *pseudoamericana* |
| ASV\_261\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Nigrograna* | *cangshanensis* |
| ASV\_262\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_264\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_265\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporaceae* | *Alternaria* | *metachromatica* |
| ASV\_266\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Hyalorbilia* | *erythrostigma* |
| ASV\_268\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *moriformis* |
| ASV\_27\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_271\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_273\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Elsinoaceae* |  |  |
| ASV\_274\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_276\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_277\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* | *Bannozyma* | *yamatoana* |
| ASV\_28\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_280\_F | Fungi | Ascomycota | Lecanoromycetes | Candelariales | *Candelariaceae* | *Candelariella* |  |
| ASV\_281\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* |  |  |
| ASV\_282\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Microcera* |  |
| ASV\_283\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Devriesia* |  |
| ASV\_285\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_287\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiaceae* | *Myriangium* |  |
| ASV\_289\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Sordariales\_fam\_Incertae\_sedis* | *Rhodoveronaea* | *varioseptata* |
| ASV\_293\_F | Fungi | Ascomycota | Dothideomycetes | Dothideales |  |  |  |
| ASV\_294\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* | *Hymenoscyphus* | *dehlii* |
| ASV\_296\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_299\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* |  |
| ASV\_30\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_302\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Retiarius* |  |
| ASV\_303\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Devriesia* |  |
| ASV\_304\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* |  |
| ASV\_305\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *wirthii* |
| ASV\_307\_F | Fungi | Ascomycota | Lecanoromycetes | Caliciales | *Physciaceae* | *Physcia* | *stellaris* |
| ASV\_308\_F | Fungi | Ascomycota | Eurotiomycetes | Phaeomoniellales |  |  |  |
| ASV\_309\_F | Fungi | Chytridiomycota | Rhizophlyctidomycetes | Rhizophlyctidales | *Rhizophlyctidaceae* | *Rhizophlyctis* |  |
| ASV\_31\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_311\_F | Fungi | Ascomycota | Lecanoromycetes | Caliciales | *Caliciaceae* | *Amandinea* | *punctata* |
| ASV\_313\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_314\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Cuniculitremaceae* | *Fellomyces* |  |
| ASV\_317\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales |  |  |  |
| ASV\_319\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_32\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Mycosphaerellaceae* |  |  |
| ASV\_321\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* |  |  |
| ASV\_322\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Nigrograna* |  |
| ASV\_323\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleraceae* | *Pseudotremella* | *moriformis* |
| ASV\_325\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Veronaea* |  |
| ASV\_326\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Cryptocoryneum* | *condensatum* |
| ASV\_327\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* |  |  |
| ASV\_329\_F | Fungi | Ascomycota | Arthoniomycetes | Arthoniales |  |  |  |
| ASV\_33\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Mycosphaerellaceae* | *Mycosphaerella* | *tassiana* |
| ASV\_330\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_331\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Leptosphaeriaceae* | *Plenodomus* | *biglobosus* |
| ASV\_332\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_333\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *czarnotae* |
| ASV\_335\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* | *Lecidella* | *f.\_elaeochroma* |
| ASV\_336\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* |  |
| ASV\_339\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Elsinoaceae* |  |  |
| ASV\_34\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Phaeosphaeriaceae* | *Acericola* | *italica* |
| ASV\_340\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_341\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *denigrata* |
| ASV\_342\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymellaceae* | *Phoma* | *aloes* |
| ASV\_343\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lentitheciaceae* | *Murilentithecium* |  |
| ASV\_345\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* | *Rhizoplaca* |  |
| ASV\_346\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* |  |
| ASV\_348\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Lecania* | *cyrtella* |
| ASV\_35\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Cuniculitremaceae* |  |  |
| ASV\_350\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Phaeosphaeriaceae* | *Acericola* | *italica* |
| ASV\_351\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Pseudocosmospora* |  |
| ASV\_352\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *phaeophysciae* |
| ASV\_354\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiales\_fam\_Incertae\_sedis* | *Arthrocatena* |  |
| ASV\_355\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Bacidina* | *sulphurella* |
| ASV\_356\_F | Fungi | Ascomycota | Saccharomycetes | Saccharomycetales | *Phaffomycetaceae* | *Cyberlindnera* | *jadinii* |
| ASV\_359\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Retiarius* |  |
| ASV\_360\_F | Fungi | Ascomycota | Dothideomycetes | Tubeufiales | *Tubeufiaceae* |  |  |
| ASV\_361\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_363\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_364\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_365\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Amorosiaceae* | *Angustimassarina* | *premilcurensis* |
| ASV\_366\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Constantinomyces* | *oldenburgensis* |
| ASV\_367\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_37\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales |  |  |  |
| ASV\_370\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Dermateaceae* | *Naevala* |  |
| ASV\_372\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleraceae* | *Genolevuria* |  |
| ASV\_374\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_377\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Psathyrellaceae* | *Coprinellus* | *micaceus* |
| ASV\_379\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales |  |  |  |
| ASV\_382\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* | *Fellozyma* |  |
| ASV\_383\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_386\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_389\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_39\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_390\_F | Fungi | Ascomycota | Lecanoromycetes | Candelariales | *Candelariaceae* | *Candelariella* |  |
| ASV\_392\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Tricholomataceae* | *Mycena* | *epipterygia* |
| ASV\_395\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Phaeosphaeriaceae* | *Acericola* | *italica* |
| ASV\_396\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Typhulaceae* | *Typhula* | *spathulata* |
| ASV\_397\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Lecania* | *naegelii* |
| ASV\_399\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* | *Oberwinklerozyma* |  |
| ASV\_4\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_40\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Cylindrocarpon* | *faginatum* |
| ASV\_400\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *victoriae* |
| ASV\_401\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* |  |  |
| ASV\_402\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Trichomeriaceae* | *Knufia* |  |
| ASV\_403\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Phaeosphaeriaceae* | *Neosetophoma* | *rosigena* |
| ASV\_405\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Elsinoaceae* |  |  |
| ASV\_406\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_408\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Coniothyriaceae* | *Coniothyrium* | *glycines* |
| ASV\_412\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_413\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Dermateaceae* | *Dermea* |  |
| ASV\_416\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Cystobasidiomycetes\_ord\_Incertae\_sedis | *Buckleyzymaceae* | *Buckleyzyma* | *aurantiaca* |
| ASV\_417\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Valsaceae* |  |  |
| ASV\_418\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* |  |
| ASV\_420\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *mayrhoferi* |
| ASV\_422\_F | Fungi | Basidiomycota | Tremellomycetes | Filobasidiales | *Filobasidiaceae* | *Filobasidium* | *wieringae* |
| ASV\_423\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Gibberella* | *tricincta* |
| ASV\_424\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Hyaloscyphaceae* |  |  |
| ASV\_426\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_43\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_432\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_434\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* |  |  |
| ASV\_436\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Gibberella* |  |
| ASV\_437\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Acremonium* | *alternatum* |
| ASV\_438\_F | Fungi | Olpidiomycota | GS17 | GS17 |  |  |  |
| ASV\_439\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Hyaloscyphaceae* | *Mollisina* | *uncinata* |
| ASV\_44\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiaceae* | *Myriangium* |  |
| ASV\_440\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_441\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Neodevriesiaceae* |  |  |
| ASV\_442\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Stereocaulaceae* | *Lepraria* | *elobata* |
| ASV\_443\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Sarocladium* | *dejongiae* |
| ASV\_446\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Veronaea* | *compacta* |
| ASV\_45\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Dictyosporiaceae* | *Pseudocoleophoma* | *bauhiniae* |
| ASV\_453\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Dialonectria* |  |
| ASV\_455\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_458\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales | *Myriangiaceae* | *Myriangium* | *duriaei* |
| ASV\_459\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Strophariaceae* | *Pholiota* | *adiposa* |
| ASV\_46\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* |  |  |
| ASV\_460\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Dermateaceae* | *Naevala* |  |
| ASV\_461\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Cyphellophoraceae* | *Cyphellophora* | *eucalypti* |
| ASV\_462\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales |  |  |  |
| ASV\_463\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* |  |  |
| ASV\_465\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_466\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_468\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Strophariaceae* | *Pholiota* | *conissans* |
| ASV\_469\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Teichosporaceae* | *Teichospora* | *rubriostiolata* |
| ASV\_47\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Veronaea* |  |
| ASV\_470\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Stereocaulaceae* | *Lepraria* | *incana* |
| ASV\_473\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Devriesia* | *strelitziicola* |
| ASV\_474\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* | *Pragmopora* |  |
| ASV\_475\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_479\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_480\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Squamarinaceae* | *Squamarina* | *gypsacea* |
| ASV\_485\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Erythrobasidiales |  |  |  |
| ASV\_489\_F | Fungi | Basidiomycota | Agaricomycetes | Sebacinales | *Sebacinaceae* |  |  |
| ASV\_49\_F | Fungi | Basidiomycota | Agaricomycetes | Phallales | *Phallaceae* | *Phallus* | *impudicus* |
| ASV\_490\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_491\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Leptosphaeriaceae* | *Leptosphaeria* |  |
| ASV\_492\_F | Fungi | Ascomycota | Taphrinomycetes |  |  |  |  |
| ASV\_495\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiales\_fam\_Incertae\_sedis* | *Arthrocatena* |  |
| ASV\_498\_F | Fungi | Ascomycota | Arthoniomycetes | Arthoniales | *Chrysotrichaceae* | *Chrysothrix* |  |
| ASV\_50\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Microcera* |  |
| ASV\_500\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Cordycipitaceae* | *Beauveria* | *pseudobassiana* |
| ASV\_501\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_502\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_503\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_508\_F | Fungi | Ascomycota | Leotiomycetes | Thelebolales | *Pseudeurotiaceae* |  |  |
| ASV\_51\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_512\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *carnescens* |
| ASV\_514\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_515\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Diaporthaceae* | *Asterosporium* | *hoffmannii* |
| ASV\_518\_F | Fungi | Basidiomycota | Exobasidiomycetes | Exobasidiales | *Exobasidiaceae* | *Exobasidium* |  |
| ASV\_52\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_520\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_523\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* |  |  |
| ASV\_524\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Acremonium* | *furcatum* |
| ASV\_525\_F | Fungi | Basidiomycota | Microbotryomycetes |  |  |  |  |
| ASV\_526\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_529\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *tephrensis* |
| ASV\_531\_F | Fungi | Ascomycota | Lecanoromycetes | Peltigerales | *Pannariaceae* |  |  |
| ASV\_533\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Neodevriesiaceae* |  |  |
| ASV\_535\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_537\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *victoriae* |
| ASV\_54\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Cystobasidiales | *Cystobasidiaceae* |  |  |
| ASV\_540\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_543\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiales\_fam\_Incertae\_sedis* | *Arthrocatena* | *tenebrio* |
| ASV\_544\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_546\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* |  |  |
| ASV\_547\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *arunalokei* |
| ASV\_548\_F | Fungi | Ascomycota | Leotiomycetes | Erysiphales | *Erysiphaceae* | *Podosphaera* |  |
| ASV\_55\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Biatriosporaceae* |  |  |
| ASV\_551\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Exophiala* |  |
| ASV\_553\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Lecania* | *naegelii* |
| ASV\_554\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Cystobasidiales | *Cystobasidiaceae* |  |  |
| ASV\_558\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Cephalothecaceae* |  |  |
| ASV\_559\_F | Fungi | Basidiomycota | Agaricostilbomycetes | Agaricostilbales | *Chionosphaeraceae* |  |  |
| ASV\_56\_F | Fungi | Ascomycota | Dothideomycetes | Dothideales | *Aureobasidiaceae* | *Aureobasidium* | *pullulans* |
| ASV\_561\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Cucurbitariaceae* | *Neocucurbitaria* |  |
| ASV\_562\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* |  |
| ASV\_564\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Rhynchogastremataceae* | *Papiliotrema* | *wisconsinensis* |
| ASV\_565\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_566\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymosphaeriaceae* | *Paraconiothyrium* |  |
| ASV\_567\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Psathyrellaceae* | *Coprinellus* | *micaceus* |
| ASV\_568\_F | Fungi | Basidiomycota | Cystobasidiomycetes |  |  |  |  |
| ASV\_569\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_573\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Sarocladium* | *dejongiae* |
| ASV\_578\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* | *Catenulostroma* | *elginense* |
| ASV\_58\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_580\_F | Fungi | Basidiomycota | Agaricomycetes | Sebacinales | *Sebacinaceae* |  |  |
| ASV\_582\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Neohendersonia* | *kickxii* |
| ASV\_584\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *globosa* |
| ASV\_585\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Cucurbitariaceae* |  |  |
| ASV\_586\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Fenestellaceae* | *Fenestella* | *parafenestrata* |
| ASV\_587\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_588\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_589\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Tricholomataceae* | *Lepista* | *nuda* |
| ASV\_59\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_591\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Lecania* | *naegelii* |
| ASV\_592\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_594\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* | *longisporus* |
| ASV\_596\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariaceae* | *Hypoxylon* | *fragiforme* |
| ASV\_597\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_598\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* |  |  |
| ASV\_599\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Sordariaceae* | *Neurospora* | *crassa* |
| ASV\_6\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_600\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_602\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_606\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *restricta* |
| ASV\_607\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Valsaceae* | *Cytospora* | *prunicola* |
| ASV\_61\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_610\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_612\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* |  |
| ASV\_613\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_614\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *restricta* |
| ASV\_615\_F | Fungi | Ascomycota | Lecanoromycetes | Ostropales | *Stictidaceae* |  |  |
| ASV\_616\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales |  |  |  |
| ASV\_617\_F | Fungi | Basidiomycota | Agaricomycetes | Polyporales | *Irpicaceae* | *Irpex* | *lacteus* |
| ASV\_624\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_626\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Cephalothecaceae* |  |  |
| ASV\_63\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_632\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Leptosphaeriaceae* | *Plenodomus* | *biglobosus* |
| ASV\_633\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Erythrobasidiales | *Erythrobasidiaceae* | *Erythrobasidium* |  |
| ASV\_634\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Lecania* | *cyrtella* |
| ASV\_635\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Nigrograna* | *cangshanensis* |
| ASV\_636\_F | Fungi | Basidiomycota | Pucciniomycetes | Septobasidiales | *Septobasidiaceae* | *Septobasidium* | *pseudopedicellatum* |
| ASV\_637\_F | Fungi | Ascomycota | Leotiomycetes | Thelebolales | *Pseudeurotiaceae* |  |  |
| ASV\_639\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Fenestellaceae* | *Fenestella* | *granatensis* |
| ASV\_64\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Stereocaulaceae* | *Lepraria* | *incana* |
| ASV\_640\_F | Fungi | Ascomycota | Leotiomycetes | Erysiphales | *Erysiphaceae* | *Sawadaea* | *bicornis* |
| ASV\_641\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Trichomeriaceae* | *Bacillicladium* | *clematidis* |
| ASV\_642\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_644\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_646\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Caloplaca* | *obscurella* |
| ASV\_647\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *arunalokei* |
| ASV\_648\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_65\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_650\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* |  |
| ASV\_654\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_655\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_658\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *denigrata* |
| ASV\_659\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *globosa* |
| ASV\_660\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* | *Lecanora* | *sambuci* |
| ASV\_661\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleraceae* | *Genolevuria* | *amylolytica* |
| ASV\_662\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_664\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Hyaloscyphaceae* | *Proliferodiscus* | *earoleucus* |
| ASV\_665\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* |  |  |
| ASV\_666\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales |  |  |  |
| ASV\_667\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* |  |  |
| ASV\_668\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymellaceae* |  |  |
| ASV\_67\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Cucurbitariaceae* | *Neocucurbitaria* |  |
| ASV\_679\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_68\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Tricholomataceae* | *Clitocybe* | *nebularis* |
| ASV\_685\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_686\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_687\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_688\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_69\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Nigrograna* | *cangshanensis* |
| ASV\_693\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_697\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_70\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Stereocaulaceae* | *Lepraria* | *incana* |
| ASV\_700\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* | *pusilla* |
| ASV\_702\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_703\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Erythrobasidiales |  |  |  |
| ASV\_705\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Teratosphaeriaceae* |  |  |
| ASV\_706\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Acremonium* | *alternatum* |
| ASV\_708\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Cucurbitariaceae* | *Neocucurbitaria* | *populi* |
| ASV\_71\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_711\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Acremonium* | *parvum* |
| ASV\_714\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_716\_F | Fungi | Ascomycota | Dothideomycetes | Botryosphaeriales |  |  |  |
| ASV\_717\_F | Fungi | Ascomycota | Arthoniomycetes | Lichenostigmatales | *Phaeococcomycetaceae* | *Phaeococcomyces* | *eucalypti* |
| ASV\_719\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales |  |  |  |
| ASV\_72\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Capnodiales\_fam\_Incertae\_sedis* | *Arthrocatena* |  |
| ASV\_721\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *arunalokei* |
| ASV\_722\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Cystobasidiomycetes\_ord\_Incertae\_sedis | *Buckleyzymaceae* | *Buckleyzyma* | *aurantiaca* |
| ASV\_723\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Rutstroemiaceae* | *Lanzia* |  |
| ASV\_724\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Retiarius* |  |
| ASV\_725\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_728\_F | Fungi | Ascomycota | Dothideomycetes | Dothideales |  |  |  |
| ASV\_730\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_734\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_737\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_740\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_741\_F | Fungi | Basidiomycota | Agaricomycetes | Corticiales | *Corticiaceae* | *Marchandiobasidium* | *aurantiacum* |
| ASV\_742\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *griseola* |
| ASV\_745\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Orbilia* | *stipitata* |
| ASV\_746\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_748\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_75\_F | Fungi | Ascomycota | Arthoniomycetes | Arthoniales |  |  |  |
| ASV\_750\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_751\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_753\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Mycosphaerellaceae* | *Acrodontium* | *luzulae* |
| ASV\_754\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_759\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Cyphellophoraceae* | *Cyphellophora* |  |
| ASV\_76\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Erythrobasidiales | *Erythrobasidiales\_fam\_Incertae\_sedis* | *Cyrenella* | *elegans* |
| ASV\_761\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_762\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymosphaeriaceae* | *Paraconiothyrium* |  |
| ASV\_764\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Mycosphaerellaceae* | *Acrodontium* | *crateriforme* |
| ASV\_766\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Rhinocladiella* |  |
| ASV\_767\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Bionectriaceae* |  |  |
| ASV\_769\_F | Fungi | Ascomycota | Lecanoromycetes | Pertusariales | *Megasporaceae* |  |  |
| ASV\_770\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* |  |
| ASV\_771\_F | Fungi | Ascomycota | Arthoniomycetes | Lichenostigmatales | *Phaeococcomycetaceae* | *Phaeococcomyces* |  |
| ASV\_776\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Cephalothecaceae* |  |  |
| ASV\_778\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_779\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Gnomoniaceae* | *Plagiostoma* |  |
| ASV\_780\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales | *Xylariales\_fam\_Incertae\_sedis* | *Phialemoniopsis* |  |
| ASV\_783\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_785\_F | Fungi | Basidiomycota | Malasseziomycetes | Malasseziales | *Malasseziaceae* | *Malassezia* | *arunalokei* |
| ASV\_786\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Leptosphaeriaceae* | *Leptosphaeria* |  |
| ASV\_788\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Leptosphaeriaceae* | *Plenodomus* | *biglobosus* |
| ASV\_791\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Acremonium* | *spinosum* |
| ASV\_793\_F | Fungi | Ascomycota | Lecanoromycetes |  |  |  |  |
| ASV\_795\_F | Fungi | Ascomycota | Taphrinomycetes | Taphrinales | *Taphrinaceae* | *Taphrina* | *carpini* |
| ASV\_797\_F | Fungi | Ascomycota | Dothideomycetes | Botryosphaeriales |  |  |  |
| ASV\_8\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales |  |  |  |
| ASV\_80\_F | Fungi | Ascomycota | Sordariomycetes | Diaporthales | *Valsaceae* |  |  |
| ASV\_800\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliales\_fam\_Incertae\_sedis* | *Lecophagus* |  |
| ASV\_801\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_805\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* |  |  |
| ASV\_808\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_81\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Leptosphaeriaceae* |  |  |
| ASV\_810\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_811\_F | Fungi | Basidiomycota | Agaricomycetes |  |  |  |  |
| ASV\_820\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_824\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Melanommataceae* | *Herpotrichia* | *parasitica* |
| ASV\_825\_F | Fungi | Ascomycota | Sordariomycetes | Chaetosphaeriales | *Chaetosphaeriales\_fam\_Incertae\_sedis* | *Dendrophoma* | *cytisporoides* |
| ASV\_827\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Micareaceae* | *Micarea* |  |
| ASV\_828\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Epibryaceae* | *Epibryon* | *interlamellare* |
| ASV\_832\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_834\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_837\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Helotiaceae* |  |  |
| ASV\_838\_F | Fungi | Ascomycota | Leotiomycetes | Thelebolales | *Pseudeurotiaceae* |  |  |
| ASV\_839\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_84\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Cladosporiaceae* | *Cladosporium* |  |
| ASV\_843\_F | Fungi | Ascomycota | Dothideomycetes | Venturiales | *Sympoventuriaceae* | *Troposporella* | *monospora* |
| ASV\_847\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_852\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_854\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lentitheciaceae* |  |  |
| ASV\_858\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_859\_F | Fungi | Ascomycota | Sordariomycetes | Xylariales |  |  |  |
| ASV\_86\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Ramalinaceae* | *Bacidina* | *mendax* |
| ASV\_860\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Typhulaceae* | *Typhula* | *uncialis* |
| ASV\_864\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_866\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanoromycetes\_ord\_Incertae\_sedis | *Micropeltidaceae* |  |  |
| ASV\_867\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanoromycetes\_ord\_Incertae\_sedis | *Lecanoromycetes\_fam\_Incertae\_sedis* | *Dictyocatenulata* |  |
| ASV\_87\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_870\_F | Fungi | Ascomycota | Sordariomycetes | Ophiostomatales | *Ophiostomataceae* | *Cornuvesica* |  |
| ASV\_874\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_876\_F | Fungi | Ascomycota | Leotiomycetes | Erysiphales | *Erysiphaceae* | *Sawadaea* | *tulasnei* |
| ASV\_877\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Hyaloscyphaceae* | *Proliferodiscus* | *earoleucus* |
| ASV\_878\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_88\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_880\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_883\_F | Fungi | Ascomycota | Orbiliomycetes |  |  |  |  |
| ASV\_885\_F | Fungi | Ascomycota | Dothideomycetes | Botryosphaeriales | *Botryosphaeriaceae* | *Dothiorella* | *sempervirentis* |
| ASV\_890\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_891\_F | Fungi | Ascomycota | Lecanoromycetes | Trapeliales | *Phlyctidaceae* | *Phlyctis* | *argena* |
| ASV\_893\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleraceae* | *Genolevuria* |  |
| ASV\_894\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Bulleribasidiaceae* | *Vishniacozyma* | *victoriae* |
| ASV\_895\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Sclerotiniaceae* |  |  |
| ASV\_897\_F | Fungi | Ascomycota | Dothideomycetes | Tubeufiales | *Tubeufiaceae* |  |  |
| ASV\_90\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_900\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Pleosporales\_fam\_Incertae\_sedis* | *Cryptocoryneum* | *condensatum* |
| ASV\_902\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Cryptococcus* |  |
| ASV\_903\_F | Fungi | Basidiomycota | Tremellomycetes | Cystofilobasidiales | *Mrakiaceae* | *Krasilnikovozyma* | *huempii* |
| ASV\_905\_F | Fungi | Ascomycota | Sordariomycetes | Ophiostomatales | *Ophiostomataceae* | *Cornuvesica* |  |
| ASV\_906\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales | *Mycosphaerellaceae* | *Ramularia* |  |
| ASV\_909\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_91\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* |  |  |
| ASV\_911\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_912\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_913\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Dictyosporiaceae* | *Pseudocoleophoma* |  |
| ASV\_914\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales |  |  |  |
| ASV\_915\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Omphalotaceae* | *Mycetinis* | *alliaceus* |
| ASV\_919\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymellaceae* |  |  |
| ASV\_92\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Trichomeriaceae* | *Knufia* |  |
| ASV\_921\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_922\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_923\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_924\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_925\_F | Fungi | Ascomycota | Dothideomycetes |  |  |  |  |
| ASV\_928\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Xanthoria* | *coomae* |
| ASV\_929\_F | Fungi | Ascomycota | Sordariomycetes |  |  |  |  |
| ASV\_93\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Retiarius* |  |
| ASV\_930\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales |  |  |  |
| ASV\_931\_F | Fungi | Ascomycota | Dothideomycetes | Myriangiales |  |  |  |
| ASV\_932\_F | Fungi | Basidiomycota |  |  |  |  |  |
| ASV\_94\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Cyphellophoraceae* | *Cyphellophora* |  |
| ASV\_940\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Hypocreales\_fam\_Incertae\_sedis* | *Acremonium* | *furcatum* |
| ASV\_941\_F | Fungi | Ascomycota | Dothideomycetes | Botryosphaeriales |  |  |  |
| ASV\_944\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Sordariales\_fam\_Incertae\_sedis* | *Rhodoveronaea* | *varioseptata* |
| ASV\_947\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Sclerotiniaceae* |  |  |
| ASV\_948\_F | Fungi | Ascomycota | Leotiomycetes | Helotiales | *Hyaloscyphaceae* | *Proliferodiscus* | *earoleucus* |
| ASV\_949\_F | Fungi | Basidiomycota | Agaricomycetes | Agaricales | *Omphalotaceae* | *Mycetinis* | *alliaceus* |
| ASV\_95\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_953\_F | Fungi | Ascomycota | Lecanoromycetes | Caliciales | *Physciaceae* | *Physcia* | *stellaris* |
| ASV\_954\_F | Fungi | Ascomycota | Dothideomycetes | Venturiales | *Sympoventuriaceae* | *Troposporella* | *monospora* |
| ASV\_955\_F | Fungi | Mucoromycota | Umbelopsidomycetes | Umbelopsidales | *Umbelopsidaceae* | *Umbelopsis* | *angularis* |
| ASV\_957\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* | *Tremella* | *moriformis* |
| ASV\_958\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Cystobasidiomycetes\_ord\_Incertae\_sedis | *Buckleyzymaceae* | *Buckleyzyma* | *aurantiaca* |
| ASV\_959\_F | Fungi | Ascomycota | Leotiomycetes | Thelebolales | *Pseudeurotiaceae* |  |  |
| ASV\_96\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Didymellaceae* |  |  |
| ASV\_961\_F | Fungi | Ascomycota | Dothideomycetes | Capnodiales |  |  |  |
| ASV\_962\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lophiostomataceae* | *Lophiostoma* | *cynaroidis* |
| ASV\_963\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Nectriaceae* | *Fusicolla* | *septimanifiniscientiae* |
| ASV\_964\_F | Fungi | Ascomycota | Sordariomycetes | Sordariales | *Sordariales\_fam\_Incertae\_sedis* | *Rhodoveronaea* | *varioseptata* |
| ASV\_965\_F | Fungi | Basidiomycota | Tremellomycetes |  |  |  |  |
| ASV\_966\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales | *Stachybotryaceae* |  |  |
| ASV\_967\_F | Fungi | Ascomycota | Sordariomycetes | Glomerellales | *Glomerellaceae* | *Colletotrichum* | *cairnsense* |
| ASV\_97\_F | Fungi | Basidiomycota | Cystobasidiomycetes | Erythrobasidiales |  |  |  |
| ASV\_970\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Tremellaceae* |  |  |
| ASV\_971\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales |  |  |  |
| ASV\_972\_F | Fungi | Basidiomycota | Tremellomycetes | Filobasidiales | *Piskurozymaceae* | *Piskurozyma* | *silvicola* |
| ASV\_973\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales |  |  |  |
| ASV\_974\_F | Fungi | Ascomycota | Orbiliomycetes | Orbiliales | *Orbiliaceae* | *Retiarius* |  |
| ASV\_975\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_976\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales | *Lentitheciaceae* | *Pleurophoma* |  |
| ASV\_979\_F | Fungi | Ascomycota | Dothideomycetes | Pleosporales |  |  |  |
| ASV\_98\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_985\_F | Fungi | Ascomycota |  |  |  |  |  |
| ASV\_988\_F | Fungi | Ascomycota | Sordariomycetes | Hypocreales |  |  |  |
| ASV\_99\_F | Fungi | Ascomycota | Lecanoromycetes | Lecanorales | *Lecanoraceae* | *Lecanora* | *saligna* |
| ASV\_991\_F | Fungi | Ascomycota | Eurotiomycetes | Chaetothyriales | *Herpotrichiellaceae* | *Cladophialophora* | *chaetospira* |
| ASV\_993\_F | Fungi | Ascomycota | Lecanoromycetes | Teloschistales | *Teloschistaceae* | *Caloplaca* | *substerilis* |
| ASV\_996\_F | Fungi | Basidiomycota | Tremellomycetes | Tremellales | *Cryptococcaceae* |  |  |
| ASV\_998\_F | Fungi | Basidiomycota | Microbotryomycetes | Microbotryomycetes\_ord\_Incertae\_sedis | *Chrysozymaceae* | *Bannozyma* | *yamatoana* |