Supplementary Table 3: Effect of the homogenous primer region on the consensus full-length monomer identity.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VaccSat Family** | **Species name** | **Consensus monomer length [bp]** | **Cumulative primer length along the monomer (forward and reverse primers)** | | **Average identity [%] of the** | | | |
|  |  |  | **[bp]** | **[%]** | **complete monomer** | **forward primer region** | **reverse primer region** | **monomer without primer regions** |
| VaccSat1 | *V. corymbosum* strain W8520 | 147 | 42 | 28.6 | **96.1** | 97.1 | 93.2 | **96.6** |
| *V. corymbosum* cultivar ‘Jubilee’ | 152 | 42 | 27.6 | **84.2** | 85.1 | 74.8 | **86.1** |
| *V. macrocarpon* cultivar ‘Ben Lear’ | - | - | - | **-** | - | - | **-** |
| V. arctostaphylos | 148 | 42 | 28.4 | **90** | 92.6 | 90.6 | **90.7** |
| *V. myrtillus* | 151 | 42 | 27.8 | **86.3** | 95 | 95.5 | **82.7** |
| *V. uliginosum* | 151 | 42 | 27.8 | **92.5** | 96.7 | 98.1 | **92** |
| VaccSat2 | *V. corymbosum* strain W8520 | 236 | 39 | 16.5 | **88.9** | 90.7 | 87.8 | **88.2** |
| *V. corymbosum* cultivar ‘Jubilee’ | 240 | 39 | 16.3 | **80** | 100 | 85.7 | **77.1** |
| *V. macrocarpon* cultivar ‘Ben Lear’ | 236 | 39 | 16.5 | **97** | 96.3 | 100 | **97** |
| *V. arctostaphylos* | 236 | 39 | 16.5 | **79.9** | 92.6 | 90.5 | **78.6** |
| *V. myrtillus* | 254 | 39 | 15.4 | **79.3** | 92.8 | 82.7 | **78.8** |
| *V. uliginosum* | 238 | 39 | 16.4 | **75.1** | 88.9 | 85 | **72.6** |
| VaccSat3 | *V. corymbosum* strain W8520 | 154 | 47 | 30.5 | **93.5** | 95 | 100 | **91.6** |
| *V. corymbosum* cultivar ‘Jubilee’ | - | - | - | **-** | - | - | **-** |
| *V. macrocarpon* cultivar ‘Ben Lear’ | 165 | 47 | 28.5 | **90.3** | 85 | 95.7 | **89** |
| *V. arctostaphylos* | - | - | - | **-** | - | - | **-** |
| *V. myrtillus* | 154 | 47 | 30.5 | **92.8** | 82 | 91.9 | **93.1** |
| *V. uliginosum* | 154 | 47 | 30.5 | **92.1** | 100 | 94.6 | **90** |

Supplementary Table 3 (continued): Effect of the homogenous primer region on the consensus full-length monomer identity

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VaccSat family** | **Species name** | **Consensus monomer length [bp]** | **Cumulative primer length along the monomer (forward and reverse primers)** | | **Average identity [%] of the** | | | |
|  |  |  | **[bp]** | **[%]** | **complete monomer** | **forward primer region** | **reverse primer region** | **monomer without primer regions** |
| VaccSat5 | *V. corymbosum* strain W8520 | - | - | - | **-** | - | - | **-** |
| *V. corymbosum* cultivar ‘Jubilee’ | - | - | - | **-** | - | - | **-** |
| *V. macrocarpon* cultivar ‘Ben Lear’ | 37 | 53 | 100.0 | **95.3** | 96 | 93 | **-** |
| *V. arctostaphylos* | 37 | 53 | 100.0 | **92.9** | 94.8 | 88.4 | **-** |
| *V. myrtillus* | 36 | 53 | 100.0 | **100** | 100 | 100 |  |
| *V. uliginosum* | - | - | - | **-** | - | - | **-** |
| VaccSat6 | *V. corymbosum* strain W8520 | - | - | - | **-** | - | - | **-** |
| *V. corymbosum* cultivar ‘Jubilee’ | - | - | - | **-** | - | - | **-** |
| *V. macrocarpon* cultivar ‘Ben Lear’ | 52 | 47 | 90.4 | **85.1** | 83.8 | 84.5 | **85.5** |
| *V. arctostaphylos* | 49 | 47 | 95.9 | **86.2** | 80.1 | 89.2 | **94.5** |
| *V. myrtillus* | 46 | 47 | 100.0 | **93.9** | 94.7 | 92.3 | **100** |
| *V. uliginosum* | - | - | - | **-** | - | - | **-** |
| VaccSat7 | *V. corymbosum* strain W8520 | - | - | - | **-** | - | - | **-** |
| *V. corymbosum* cultivar ‘Jubilee’ | - | - | - | **-** | - | - | **-** |
| *V. macrocarpon* cultivar ‘Ben Lear’ | 66 | 44 | 66.7 | **77.7** | 100 | 100 | **66.5** |
| *V. arctostaphylos* | 50 | 44 | 88.0 | **70.1** | 92.2 | 92.2 | **67.4** |
| *V. myrtillus* | 49 | 44 | 89.8 | **76.2** | 100 | 100 | **68.3** |
| *V. uliginosum* | - | - | - | **-** | - | - | **-** |