

## Passport data

|                                            |                              |
|--------------------------------------------|------------------------------|
| Passport descriptors                       |                              |
| Prime name                                 | FREEDOM                      |
| Color of berry skin                        | NOIR                         |
| Variety number VIVC                        | 4235                         |
| Country or region of origin of the variety | UNITED STATES OF AMERICA     |
| Species                                    | VITIS INTERSPECIFIC CROSSING |

|                                                                                                                   |       |
|-------------------------------------------------------------------------------------------------------------------|-------|
| Degree of resistance                                                                                              |       |
| Source code                                                                                                       | 20071 |
| Accession name                                                                                                    |       |
| <b>Alternaria rot</b> (leaf)<br>( <i>Alternaria alternata</i> (Fr.) Keissl)                                       |       |
| <b>Anthraxnose</b> (leaf)<br>( <i>Elsinoë ampelina</i> Shear)                                                     |       |
| <b>Anthraxnose</b> (bunch)<br>( <i>Elsinoë ampelina</i> Shear)                                                    |       |
| <b>Anthraxnose</b> (leaf/shoot)<br>( <i>Elsinoë ampelina</i> Shear)                                               | 7     |
| <b>Black rot</b> (leaf)<br>( <i>Guignardia bidwellii</i> (Ellis) Viala & Ravaz f. <i>euvitis</i> Luttr.)          |       |
| <b>Black rot</b> (bunch)<br>( <i>Guignardia bidwellii</i> (Ellis) Viala & Ravaz f. <i>euvitis</i> Luttr.)         |       |
| <b>Black rot</b> (leaf/bunch)<br>( <i>Guignardia bidwellii</i> (Ellis) Viala & Ravaz f. <i>euvitis</i> Luttr.)    |       |
| <b>Black rot</b> (leaf)<br>( <i>Guignardia bidwellii</i> (Ellis) Viala & Ravaz f. <i>muscadinii</i> Luttr.)       |       |
| <b>Black rot</b> (bunch)<br>( <i>Guignardia bidwellii</i> (Ellis) Viala & Ravaz f. <i>muscadinii</i> Luttr.)      |       |
| <b>Black rot</b> (leaf/bunch)<br>( <i>Guignardia bidwellii</i> (Ellis) Viala & Ravaz f. <i>muscadinii</i> Luttr.) |       |
| <b>Botrytis bunch rot</b> (leaf)<br>( <i>Botrytis cinerea</i> (Botrytis cinerea Pers.))                           |       |
| <b>Botrytis bunch rot</b> (bunch)<br>( <i>Botrytis cinerea</i> (Botrytis cinerea Pers.))                          |       |
| <b>Botrytis bunch rot</b> (leaf/bunch)<br>( <i>Botrytis cinerea</i> (Botrytis cinerea Pers.))                     |       |
| <b>Brenner</b> (leaf)<br>( <i>Pseudopeziza tracheiphila</i> Müll.-Thurg.)                                         |       |
| <b>Cercospora</b> (leaf)                                                                                          |       |
| <b>Crown gall</b> (shoot)<br>( <i>Agrobacterium tumefaciens</i> (Smith & Townsend) Conn)                          |       |

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| <b>Downy mildew</b> (leaf)<br>( <i>Plasmopara viticola</i> (Berk. & M.A. Curtis) Berl. & De Toni)       |  |
| <b>Downy mildew</b> (bunch)<br>( <i>Plasmopara viticola</i> (Berk. & M.A. Curtis) Berl. & De Toni)      |  |
| <b>Downy mildew</b> (leaf/bunch)<br>( <i>Plasmopara viticola</i> (Berk. & M.A. Curtis) Berl. & De Toni) |  |
| <b>Excoriose</b> (leaf/shoot)<br>( <i>Phomopsis viticola</i> (Sacc.) Sacc.)                             |  |
| <b>Isariopsis leaf blight</b> (leaf)<br>( <i>Isariopsis clavispora</i> (Berk. & Cooke) Sacc.)           |  |
| <b>Pierce's Disease</b><br>( <i>Xylella fastidiosa</i> Wells. et al.: grapevine)                        |  |
| <b>Powdery mildew</b> (leaf)<br>( <i>Erysiphe necator</i> Schwein.)                                     |  |
| <b>Powdery mildew</b> (bunch)<br>( <i>Erysiphe necator</i> Schwein.)                                    |  |
| <b>Powdery mildew</b> (leaf/bunch)<br>( <i>Erysiphe necator</i> Schwein.)                               |  |
| <b>Ripe rot</b> (leaf)<br>( <i>Glomerella cingulata</i> (Stoneman) Spauld. & H. Schrenk)                |  |
| <b>Ripe rot</b> (bunch)<br>( <i>Glomerella cingulata</i> (Stoneman) Spauld. & H. Schrenk)               |  |
| <b>Ripe rot</b> (leaf/bunch)<br>( <i>Glomerella cingulata</i> (Stoneman) Spauld. & H. Schrenk)          |  |
| <b>White rot</b> (leaf)<br>( <i>Coniella diplodiella</i> (Speg.) Petrak & Sydow)                        |  |
| <b>White rot</b> (bunch)<br>( <i>Coniella diplodiella</i> (Speg.) Petrak & Sydow)                       |  |
| <b>White rot</b> (leaf/bunch)<br>( <i>Coniella diplodiella</i> (Speg.) Petrak & Sydow)                  |  |