Supplementary Material

**TABLE S8**⎟ Race profile of eight randomly selected mutants virulent on *Sr43.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Set** | **Cultivar** | **Gene** | **UK-01** | **M-1** | **M-3** | **M-4** | **M-5** | **M-6** | **M-7** | **M-8** | **M-9** | **Race** |
| **1** |  |  | Infection type High ( > 2+) or Low (<2+) | | | | | | | | |  |
| ISr5-Ra CI 14159 | *Sr5* | H | H | H | H | H | H | H | H | H | **T** |
| *T monococcum/8\*LMPG-6 DK13* | *Sr21* | H | H | H | H | H | H | H | H | H |
| Vernstein PI 442914 | *Sr9e* | H | H | H | H | H | H | H | H | H |
| ISr7b-Ra CI 14165 | *Sr7b* | H | H | H | H | H | H | H | H | H |
| **2** | Yalta PI 155433 | *Sr11* | L | L | L | L | L | L | L | L | L | **K** |
| ISr6-Ra CI 14163 | *Sr6* | H | H | H | H | H | H | H | H | H |
| Mentana W1124 PI 221154 | *Sr8a* | H | H | H | H | H | H | H | H | H |
| Acme CI 5284 | *Sr9g* | H | H | H | H | H | H | H | H | H |
| **3** | W2691SrTt-1 CI 17385 | *Sr36* | H | H | H | H | H | H | H | H | H | **T** |
| Prelude\*4/2/Marquis\*6/Kenya 117A | *Sr9b* | H | H | H | H | H | H | H | H | H |
| Festiguay W2706 PI 330957 | *Sr30* | H | H | H | H | H | H | H | H | H |
| Prelude/8\*Marquis\*2/2/Esp 518/9 | *Sr17* | H | H | H | H | H | H | H | H | H |
| **4** | ISr9a-Ra CI 14169 | *Sr9a* | H | H | H | H | H | H | H | H | H | **T** |
| ISr9d-Ra CI 14177 | *Sr9d* | H | H | H | H | H | H | H | H | H |
| W2691Sr10 CI 17388 | *Sr10* | H | H | H | H | H | H | H | H | H |
| CnsSrTmp | *SrTmp* | H | H | H | H | H | H | H | H | H |
| **5** | LcSr24Ag | *Sr24* | L | L | L | L | L | L | L | L | L | **F** |
| Kavkaz/Federation4 | *Sr31* | L | L | L | L | L | L | L | L | L |
| VPM1 | *Sr38* | H | H | H | H | H | H | H | H | H |
| McNair 701 (CI 15288) | *SrMcN* | H | H | H | H | H | H | H | H | H |