Table S-15: Individual response of 114 strains of *R. solanacearum* to different

sugars and carbohydrates

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | Isolate | Variety | District | M | | S | | | D | L | MA | C | Biovar |
| 1 | RsAK1 | Ghotki | Attock | + | | + | | | + | + | + | + | 3 |
| 2 | RsAK2 | Sanam | + | | + | | | + | + | + | + | 3 |
| 3 | RsAK3 | Sanam | + | | + | | | + | + | + | + | 3 |
| 4 | RsAK4 | Ghoti | + | | + | | | + | + | + | + | 3 |
| 5 | RsAK5 | Gola Peshawari | + | | + | | | + | + | + | + | 3 |
| 6 | RsAK6 | Ghotki | + | | + | | | + | + | + | + | 3 |
| 7 | RsAK7 | Skyline II | + | | + | | | + | + | + | + | 3 |
| 8 | RsAK8 | Talhari | + | | + | | | + | + | + | + | 3 |
| 9 | RsKK1 | Loungi | Karak | + | | + | | | + | + | + | + | 3 |
| 10 | RsKK2 | Hifly | + | | + | | | + | + | + | + | 3 |
| 11 | RsKK3 | Talhari | + | | + | | | + | + | + | + | 3 |
| 12 | RsKK4 | Neelum | + | | + | | | + | + | + | + | 3 |
| 13 | RsKK5 | Elpaso | + | | + | | | + | + | + | + | 3 |
| 14 | RsKK6 | Redfire | + | | + | | | + | + | + | + | 3 |
| 15 | RsLi1 | Nagina | Loralai | + | | + | | | + | + | + | + | 3 |
| 16 | RsLi2 | Cv-1 | + | | + | | | + | + | + | + | 3 |
| 17 | RsLi3 | Ghotki | + | | + | | | + | + | + | + | 3 |
| 18 | RsLi4 | CV-7 | + | | + | | | + | + | + | + | 3 |
| 19 | RsLi5 | Loungi | + | | + | | | + | + | + | + | 3 |
| 20 | RsLi6 | Loungi | + | | + | | | + | + | + | + | 3 |
| 21 | RsKr1 | loungi | Kasur | + | | + | + | | | + | + | + | 3 |
| 22 | RsKr2 | Skyline II | + | | + | + | | | + | + | + | 3 |
| 23 | RsKr3 | Loungi | + | | + | + | | | + | + | + | 3 |
| 24 | RsKr4 | Loungi | + | | + | + | | | - | - | - | 4 |
| 25 | RsKr5 | Nagina | + | | + | + | | | + | + | + | 3 |
| 26 | RsKr6 | Loungi | + | | + | + | | | - | - | - | 4 |
| 27 | RsKr7 | Loungi | + | | + | + | | | + | + | + | 3 |
| 28 | RsKr8 | Ghotki | + | | + | + | | | + | + | + | 3 |
| 29 | RsKr9 | Skyline II | + | | + | + | | | + | + | + | 3 |
| 30 | RsPP1 | Hifly | Pakpattan | + | | + | + | | | + | + | + | 3 |
| 31 | RsPP2 | Skyline II | + | | + | + | | | - | - | - | 4 |
| 32 | RsPP3 | Ghotki | + | | + | + | | | + | + | + | 3 |
| 33 | RsPP4 | Loungi Tall | + | | + | + | | | + | + | + | 3 |
| 34 | RsPP5 | Desi | + | | + | + | | | - | - | - | 4 |
| 35 | RsPP6 | Maxi | + | | + | + | | | - | - | - | 4 |
| 36 | RsPP7 | maxi | + | | + | + | | | + | + | + | 3 |
| 37 | RsPP8 | Nagina | + | | + | + | | | + | + | + | 3 |
| 38 | RsPP9 | maxi | + | | + | + | | | + | + | + | 3 |
| 39 | RsMn1 | Redfire | Multan | + | | + | + | | | + | + | + | 3 |
| 40 | RsMn2 | Hifly | + | | + | + | | | - | - | - | 4 |
| 41 | RsMn3 | ghotki | + | | + | + | | | + | + | + | 3 |
| 42 | RsMn4 | Skyline II | + | | + | + | | | + | + | + | 3 |
| 43 | RsMn5 | Ghotki | + | | + | + | | | - | - | - | 4 |
| 44 | RsMn6 | Bahwalpur desi | + | | + | + | | | + | + | + | 3 |
| 45 | RsMn7 | ghotki | + | | + | + | | | + | + | + | 3 |
| 46 | RsMn8 | Skyline II | + | | + | + | | | + | + | + | 3 |
| 47 | RsBw1 | Bahwalpur desi | Bahawalpur | + | | + | + | | | + | + | + | 3 |
| 48 | RsBw2 | Hifly | + | | + | + | | | + | + | + | 3 |
| 49 | RsBw3 | Talhari | + | | + | + | | | + | + | + | 3 |
| 50 | RsBw4 | Loungi tall | + | | + | + | | | + | + | + | 3 |
| 51 | RsBw5 | Sanam | + | | + | + | | | - | - | - | 4 |
| 52 | RsBw6 | Loungi tall | + | | + | + | | | + | + | + | 3 |
| 53 | RsBw7 | Loungi | + | | + | + | | | + | + | + | 3 |
| 54 | RsBw8 | Skyline II | + | | + | + | | | + | + | + | 3 |
| 55 | RsSg1 | Talhari | Sanghar | + | | + | + | | | + | + | + | 3 |
| 56 | RsSg2 | Loungi tall | + | | + | + | | | + | + | + | 3 |
| 57 | RsSg3 | Ghotki | + | | + | + | | | - | - | - | 4 |
| 58 | RsSg4 | Ghotki | + | | + | + | | | + | + | + | 3 |
| 59 | RsSg5 | Talhari | + | | + | + | | | + | + | + | 3 |
| 60 | RsSg6 | Maxi | + | | + | + | | | - | - | - | 4 |
| 61 | RsSg7 | Talhari | + | | + | + | | | + | + | + | 3 |
| 62 | RsSg8 | Maxi | + | | + | + | | | + | + | + | 3 |
| 63 | RsSg9 | Talhari | + | | + | + | | | + | + | + | 3 |
| 64 | RsTt1 | Talhari | Thatta | + | + | | | + | | - | - | - | 4 |
| 65 | RsTt2 | Talhari | + | + | | | + | | + | + | + | 3 |
| 66 | RsTt3 | Talhari | + | + | | | + | | - | - | - | 4 |
| 67 | RsTt4 | Talhari | + | + | | | + | | + | + | + | 3 |
| 68 | RsTt5 | Ghotki | + | + | | | + | | - | - | - | 4 |
| 69 | RsTt6 | Talhari | + | + | | | + | | + | + | + | 3 |
| 70 | RsTt7 | Talhari | + | + | | | + | | + | + | + | 3 |
| 71 | RsTt8 | Maxi | + | + | | | + | | + | + | + | 3 |
| 72 | RsTt9 | Ghotki | + | + | | | + | | + | + | + | 3 |
| 73 | RsTt10 | Skyline II | + | + | | | + | | - | - | - | 4 |
| 74 | RsBd1 | Talhari | Badin | + | + | | | + | | - | - | - | 4 |
| 75 | RsBd2 | Skyline II | + | + | | | + | | - | - | - | 4 |
| 76 | RsBd3 | Ghotki | + | + | | | + | | + | + | + | 3 |
| 77 | RsBd4 | ghotki | + | + | | | + | | + | + | + | 3 |
| 78 | RsBd5 | Talhari | + | + | | | + | | + | + | + | 3 |
| 79 | RsBd6 | Talhari | + | + | | | + | | + | + | + | 3 |
| 80 | RsBd7 | sanam | + | + | | | + | | + | + | + | 3 |
| 81 | RsBd8 | Talhari | + | + | | | + | | - | - | - | 4 |
| 82 | RsBd9 | Skyline II | + | + | | | + | | + | + | + | 3 |
| 83 | RsBd10 | Ghotki | + | + | | | + | | + | + | + | 3 |
| 84 | RsMp1 | sanam | Mirpur Khas | + | + | | | + | | + | + | + | 3 |
| 85 | RsMp2 | Skyline II | + | + | | | + | | + | + | + | 3 |
| 86 | RsMp3 | Ghotki | + | + | | | + | | + | + | + | 3 |
| 87 | RsMp4 | Skyline II | + | + | | | + | | + | + | + | 3 |
| 88 | RsMp5 | Talhari | + | + | | | + | | + | + | + | 3 |
| 89 | RsMp6 | loungi | + | + | | | + | | + | + | + | 3 |
| 90 | RsMp7 | loungi | + | + | | | + | | - | - | - | 4 |
| 91 | RsMp8 | loungi | + | + | | | + | | + | + | + | 3 |
| 92 | RsMp9 | ghotki | + | + | | | + | | - | - | - | 4 |
| 93 | RsMp10 | Talhari | + | + | | | + | | + | + | + | 3 |
| 94 | RsUm1 | nagina | Umerkot | + | + | | | + | | - | - | - | 4 |
| 95 | RsUm2 | Ghotki | + | + | | | + | | - | - | - | 4 |
| 96 | RsUm3 | Ghotki | + | + | | | + | | + | + | + | 3 |
| 97 | RsUm4 | Ghotki | + | + | | | + | | + | + | + | 3 |
| 98 | RsUm5 | Skyline II | + | + | | | + | | + | + | + | 3 |
| 99 | RsUm6 | Ghotki | + | + | | | + | | + | + | + | 3 |
| 100 | RsUm7 | nagina | + | + | | | + | | - | - | - | 4 |
| 101 | RsUm8 | Skyline II | + | + | | | + | | + | + | + | 3 |
| 102 | RsBn1 | Hifly | Barkhan | + | + | | | + | | + | + | + | 3 |
| 103 | RsBn2 | sanam | + | + | | | + | | + | + | + | 3 |
| 104 | RsBn3 | Desi | + | + | | | + | | + | + | + | 3 |
| 105 | RsBn4 | sanam | + | + | | | + | | + | + | + | 3 |
| 106 | RsBn5 | Talhari | + | + | | | + | | + | + | + | 3 |
| 107 | RsBn6 | Talhari | + | + | | | + | | + | + | + | 3 |
| 108 | RsNw1 | sanam | Nowshera | + | + | | | + | | + | + | + | 3 |
| 109 | RsNw2 | sanam | + | + | | | + | | + | + | + | 3 |
| 110 | RsNw3 | Gola Peshawari | + | + | | | + | | + | + | + | 3 |
| 111 | RsNw4 | Skyline II | + | + | | | + | | + | + | + | 3 |
| 112 | RsNw5 | Loungi tall | + | + | | | + | | + | + | + | 3 |
| 113 | RsNw6 | Maxi | + | + | | | + | | + | + | + | 3 |
| 114 | RsNw7 | loungi dawrf | + | + | | | + | | + | + | + | 3 |

M (Mannitol), S (Sorbitol), D (Dulcitol, L (Lactose), MA (Maltose), C (Cellibiose)