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| **Table S2 - Pairwise square Mahalanobis distances (plain text) and probability values (italics) for the contrasts between the nine botanical varieties detected within the twelve Saragolla populations and for the contrasts between the Saragolla populations from Abruzzo (S1 to S11) and Puglia (S12).** |
|  | *leucomelan* | *melanopus* | *italicum* | *apulicum* | *valenciae* | *erythromelan* | *hordeiforme* | *affine* |
| *leucurum* | 77,6 | 145,1 | 86,6 | 95,9 | 57,4 | 70,4 | 15,7 | 15,5 |
| *leucomelan* | 82,8 | 97,2 | 75,4 | 113,8 | 14,3 | 47,9 | l94,9 |
| *melanopus* | *0,000* |  | 26,1 | 45,0 | 58,7 | 76,1 | 116,5 | 145,0 |
| *italicum* | *0,000* | *0,021* |  | 23,6 | 13,6 | 74,1 | 74,9 | 95,7 |
| *apulicum* | *0,000* | *0,003* | *0,000* |  | 53,2 | 41,6 | 64,5 | 111,8 |
| *valenciae* | *0,000* | *0,000* | *0,000* | *0,000* |  | 94,9 | 68,4 | 66,8 |
| *erythromelan* | *0,000* | *0,000* | *0,000* | *0,000* | *0,000* |  | 34,3 | 79,5 |
| *hordeiforme* | *0,004* | *0,000* | *0,000* | *0,000* | *0,000* | *0,000* |  | 34,3 |
| *affine* | *0,004* | *0,000* | *0,000* | *0,000* | *0,000* | *0,000* | *0,000* |  |

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|  | **S1** | **S2** | **S3** | **S4** | **S5** | **S6** | **S7** | **S8** | **S9** | **S10** | **S11** | **S12** |
| **S1** |  | 6,86 | 15,15 | 15,59 | 13,71 | 8,34 | 17,88 | 10,03 | 11,20 | 14,65 | 10,08 | 11,85 |
| **S2** | *0,602* |  | 11,33 | 14,81 | 14,31 | 14,26 | 21,08 | 11,74 | 12,94 | 15,94 | 15,25 | 16,94 |
| **S3** | *0,017* | *0,021* |  | 11,92 | 7,07 | 16,56 | 19,17 | 10,77 | 9,08 | 7,47 | 9,32 | 18,61 |
| **S4** | *0,019* | *0,004* | *0,004* |  | 8,51 | 22,83 | 29,58 | 8,26 | 11,12 | 10,82 | 22,87 | 25,79 |
| **S5** | *0,033* | *0,004* | *0,085* | *0,044* |  | 17,46 | 28,02 | 4,93 | 4,85 | 5,21 | 11,81 | 14,48 |
| **S6** | *0,418* | *0,015* | *0,001* | *0,000* | *0,001* |  | 9,13 | 16,32 | 14,95 | 14,88 | 9,77 | 15,70 |
| **S7** | *0,046* | *0,004* | *0,003* | *0,000* | *0,000* | *0,335* |  | 20,41 | 23,07 | 18,49 | 13,35 | 24,32 |
| **S8** | *0,209* | *0,033* | *0,016* | *0,098* | *0,446* | *0,003* | *0,004* |  | 4,72 | 5,56 | 13,69 | 15,23 |
| **S9** | *0,095* | *0,008* | *0,021* | *0,008* | *0,338* | *0,003* | *0,001* | *0,489* |  | 2,67 | 8,69 | 13,05 |
| **S10** | *0,018* | *0,001* | *0,049* | *0,007* | *0,234* | *0,002* | *0,003* | *0,296* | *0,803* |  | 8,86 | 15,84 |
| **S11** | *0,557* | *0,103* | *0,374* | *0,005* | *0,181* | *0,440* | *0,296* | *0,133* | *0,440* | *0,398* |  | 10,40 |
| **S12** | *0,267* | *0,021* | *0,004* | *0,000* | *0,023* | *0,034* | *0,006* | *0,029* | *0,044* | *0,010* | *0,528* |  |