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| **Table S4** Palmar dermatoglyphics (triradii) of males |
|  | PT | Cases | EC | P1 | NEC | P2 | P3 |
|  | N | % | N | % | N | % |
| Right hand | A | 90 | 100.0 | 89 | 100.0 | 1 | 100 | 90.0 | 1 | 1 |
| B | 90 | 100.0 | 89 | 100.0 | 1 | 100 | 90.0 | 1 | 1 |
| C | 87 | 96.7 | 87 | 97.8 | 1 | 100 | 90.0 | 0.25 | 0.25 |
| D | 90 | 100.0 | 85 | 95.5 | 0.06 | 100 | 90.0 | 1 | 0.06 |
| a1 | 0 | 0.0 | 5 | 6.0 | 0.03\* | 8 | 8.9 | 0.01\* | 0.37 |
| b1 | 2 | 2.2 | 0 | 0.0 | 0.5 | 0 | 0.0 | 0.5 | 1 |
| c1 | 17 | 18.9 | 12 | 13.5 | 0.33 | 12 | 13.3 | 0.31 | 1 |
| d1 | 0 | 0.0 | 0 | 0.0 | 1 | 0 | 0.0 | 1 | 0.98 |
| t | 77 | 85.6 | 76 | 85.4 | 0.98 | 80 | 72.0 | 0.32 | 0.34 |
| t1 | 16 | 17.8 | 14 | 15.7 | 0.71 | 19 | 21.1 | 0.57 | 0.35 |
| t11 | 6 | 6.7 | 6 | 6.7 | 0.98 | 7 | 7.8 | 0.77 | 0.79 |
| t111 | 2 | 2.2 | 1 | 1.1 | 1 | 0 | 0.0 | 0.5 | 1 |
| e | 6 | 6.7 | 2 | 2.2 | 0.28 | 7 | 7.8 | 0.77 | 0.17 |
| f | 0 | 0.0 | 2 | 2.2 | 0.25 | 4 | 4.4 | 0.12 | 0.68 |
| tb | 10 | 11.1 | 10 | 11.2 | 0.98 | 8 | 8.9 | 0.62 | 0.6 |
| tr | 0 | 0.0 | 0 | 0.0 | 1 | 0 | 0 | 1 | 1 |
| tu | 0 | 0.0 | 0 | 0.0 | 1 | 2 | 2.2 | 0.5 | 0.5 |
| z | 0 | 0.0 | 0 | 0.0 | 1 | 0 | 0.0 | 1 | 1 |
| z1 | 3 | 3.3 | 2 | 2.2 | 1 | 0 | 0.0 | 1 | 0.25 |
| Z11 | 3 | 3.3 | 0 | 0.0 | 0.25 | 0 | 0.0 | 1 | 1 |
| Left hand | A | 90 | 100.0 | 90 | 100.0 | 1 | 90 | 100.0 | 1 | 1 |
| B | 90 | 100.0 | 90 | 100.0 | 1 | 90 | 100.0 | 1 | 1 |
| C | 85 | 94.4 | 84 | 93.3 | 1 | 86 | 95.6 | 1 | 0.75 |
| D | 87 | 96.7 | 90 | 100.0 | 0.25 | 88 | 97.8 | 1 | 0.5 |
| a1 | 0 | 0.0 | 0 | 0.0 | 1 | 1 | 1.1 | 1 | 1 |
| b1 | 2 | 2.2 | 0 | 0.0 | 0.5 | 0 | 0.0 | 0.5 | 1 |
| c1 | 22 | 24.4 | 25 | 27.8 | 0.61 | 22 | 24.4 | 1 | 0.61 |
| d1 | 0 | 0.0 | 0 | 0.0 | 1 | 0 | 0.0 | 1 | 1 |
| t | 80 | 88.9 | 78 | 86.7 | 0.65 | 64 | 71.1 | 0.001\* | 0.01\* |
| t1 | 10 | 11.1 | 8 | 8.9 | 0.62 | 15 | 16.7 | 0.28 | 0.12 |
| t11 | 4 | 4.4 | 9 | 10.0 | 0.25 | 6 | 6.7 | 0.75 | 0.42 |
| t111 | 4 | 4.4 | 1 | 1.1 | 0.37 | 1 | 1.1 | 0.37 | 1 |
| e | 6 | 6.7 | 9 | 10.0 | 0.42 | 10 | 11.1 | 0.29 | 0.81 |
| f | 2 | 2.2 | 7 | 7.8 | 0.17 | 8 | 8.9 | 0.1 | 0.79 |
| tb | 9 | 10.0 | 11 | 12.2 | 0.64 | 6 | 6.7 | 0.42 | 0.2 |
| tr | 0 | 0.0 | 0 | 0.0 | 1 | 0 | 0.0 | 1 | 1 |
| tu | 0 | 0.0 | 1 | 1.1 | 1 | 0 | 0.0 | 1 | 1 |
| z | 0 | 0.0 | 0 | 0.0 | 1 | 0 | 0.0 | 1 | 1 |
| z1 | 5 | 5.6 | 6 | 6.7 | 1 | 4 | 4.4 | 1 | 0.75 |
| Z11 | 3 | 3.3 | 0 | 0.0 | 0.25 | 2 | 2.2 | 1 | 0.5 |
| *PT* Palmar triradii, *EC* endemic control, *NEC*  non endemic control, *P1* P value of Cases Vs endemic control, *P2*  P value of Cases Vs non endemic control, *P3* P value of endemic control Vs non endemic control, \* significant values  |