**S3 Table.** Phenotype information [median (5th percentile-95th percentile)] of the samples included in the meta-GWAS.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discovery/****replication** | **Cohort** | **Sex** | **N** | **Age (years)** | **Hepcidin (nmoles/L)** | **Hepcidin/ferritin** **(µmoles/µg)** | **Hepcidin/TS****(µmoles/L/%)** | **Ferritin****(µg/L)** | **Serum iron (µmoles/L)** | **TIBC** **(µmoles/L)** | **TS (%)** | **CRP** **(mg/L)** |
| Discovery | NBS | M | 900 | 66 (55 – 77) | 8.5 (1.2 – 23.2) | 46.6 (17.1 – 120.6) | 0.3 (0.0 – 0.9) | 174.2 (29.5 – 532.5) | 18.0 (10.0 – 28.0) | 58.0 (45.0 – 73.0) | 30.8 (16.1 – 51.0) | <4 (<4 – 15) |
| F | 919 | 57 (39 – 74) | 6.7 (0.8 – 21.4) | 75.7 (29.7 – 203.1) | 0.2(0.0 – 1.0) | 84.0 (12.4 – 266.7) | 16.0 (8.0 – 26.0) | 60.0 (47.0 – 77.0) | 26.6 (12.6 – 44.5) | <4 (<4 – 13) |
| PREVEND | M | 1495 | 50(31 – 71) | 4.6(0.9 – 10.7) | 30.7(10.2 – 64.3 ) | 1.9(0.3 – 4.6) | 179.6(32.0 – 458.5) | 16.5(9.0 – 27.0) | 63.2(55.2 – 77.9) | 26.3(13.8 – 42.7) | 1.2(0.2 – 8.3) |
| F | 1407 | 48(28 – 69) | 3.2(0.3 – 8.2) | 45.9(15.2 – 94.0) | 1.3(0.1 – 3.4) | 87.0(9.0 – 257.0) | 15.0(7.0 – 25.0) | 66.7 (50.2 – 85.4) | 23.1(9.2 – 39.8) | 1.3(0.2 – 9.9) |
| VB | M | 688 | 57(25 – 82) | 9.4(2.5 – 29.6) | 71.7(19.9 – 232.2) | 0.3(0.1 – 1.0) | 134.0(37.5 – 421.5) | 18.5(10.4 – 29.7) | 58.5(45.0 – 73.79) | 30.9(17.2 – 53.3) | 1(1 - 9) |
| F | 792 | 59(26 – 82) | 6.9(2.0 – 27.2) | 134.3(37.9 – 589.6) | 0.3(0.1 – 1.0) | 56.0(11.0 – 171.7) | 16.5(8.6 – 25.9) | 59.7(47.2 – 80.7) | 27.0(13.3 – 45.0) | 1(1 - 9) |
| Replication | NBS | M | 457 | 53(27 – 83) | 7.7 (1.4 – 20.0) | 50.2 (18.1 – 130.8) | 0.3(0.1 – 0.9) | 147.7(28.7 – 471.2) | 18.0(9.0 – 30.1) | 59.0(47.0 – 74.0) | 29.2(15.0 – 50.9) | <4(<4 – 11) |
|  | F | 540 | 55(23 – 82) | 6.7(0.7 – 20.1) | 75.8(28.3 – 214.8) | 0.2(0.0 – 0.9) | 79.9(12.2 – 273.3) | 16.0(8.0 – 26.0) | 61.0 (48.0 – 81.0) | 28.7(12.0 – 45.9) | <4(<4 – 13) |
| PREVEND | M | 1362 | 50(31 – 71) | 4.3(0.8 – 9.9) | 29.2(9.9 – 63.0) | 1.8(0.3 – 4.3) | 183.1(33.0 – 458.0) | 16.8(9.0 – 27.0) | 63.2(50.2 – 77.9) | 27.0(13.9 – 32.6) | 1.1(0.2 – 9.1) |
|  | F | 1454 | 48(31 – 69) | 3.2(0.3 – 8.3) | 44.1(13.8 – 93.6) | 1.3(0.1 – 3.5) | 90.1(9.0 – 262.0) | 15.2(7.0 – 25.0) | 66.7(52.7 – 87.9) | 23.3(9.3 – 38.6) | 1.3(0.2 – 9.0) |