

| Sample Subset     | N  | Hb (gm/dL)                   | O <sub>2</sub> Sat (%)      | Arterial O <sub>2</sub> content (mlO <sub>2</sub> /dL) |
|-------------------|----|------------------------------|-----------------------------|--|
| HA Amhara males   | 72 | 16.8 + 0.13 <sup>*, b</sup>  | 92.4 + 0.4 <sup>**, b</sup> | 21.5 + 0.19  |
| LA Amhara males   | 41 | 15.6 + 0.18 <sup>b</sup>     | 97.2 + 0.2                  | 21.1 + 0.27 <sup>c</sup>                               |
| HA Amhara females | 21 | 14.8 + 0.24 <sup>**, b</sup> | 93.8 + 0.6 <sup>**, b</sup> | 19.4 + 0.32  |
| LA Amhara females | 12 | 13.7 + 0.36 <sup>a, +</sup>  | 96.9 + 0.4                  | 18.4 + 0.41 <sup>a</sup>                               |
| HA Oromo males    | 35 | 18.5 + 0.31 <sup>**, +</sup> | 86.7 + 0.8 <sup>**</sup>    | 21.7 + 0.39  |
| LA Oromo males    | 27 | 16.7 + 0.22                  | 97.1 + 0.2                  | 21.7 + 0.33  |
| HA Oromo females  | 27 | 17.1 + 0.38 <sup>**</sup>    | 84.9 + 0.7 <sup>**</sup>    | 20.1 + 0.34  |
| LA Oromo females  | 6  | 14.8 + 0.34                  | 97.6 + 0.5                  | 20.2 + 0.50  |

\*p < 0.05 t-test comparing same sex and ethnic group at high and low altitude

\*\*P < 0.01 t-test comparing same sex and ethnic group at high and low altitude

+ 0.05 < p < 0.01 t-test comparing same sex and ethnic group at high and low altitude

<sup>a</sup> p < 0.05 t-test comparing Amhara and Oromo of the same sex at one altitude

<sup>b</sup> P < 0.01 t-test comparing Amhara and Oromo of the same sex and ethnic group at one altitude

<sup>c</sup> 0.05 < p < 0.01 t-test comparing Amhara and Oromo of the same sex and ethnic group at one altitude