

S1 Table. Number of phenotypic measurements for PNG highlanders and PNG lowlanders.

	PNG lowlanders	PNG highlanders
	N= 86	N= 70
age (years) [95%CI]	45.36 [42.26 - 48.46]	38.50 [34.31 – 42.81]
men	77	62
women	9	8
Body proportions		
Height	86	68
Weight	86	69
BMI	86	68
Waist circumference	86	69
Pulmonary function		
Minimal chest depth	73	39
Maximal chest depth	73	40
Forced vital capacity (FVC)	28	18
Forced expiratory volume after 1 second (FEV1)	28	18
Peak expiratory flow (PEF)	28	18
Circulatory system		
Haemoglobin concentration	61	61
Haemoglobin concentration (corrected*)	26	35
Systolic pressure	86	70
Diastolic pressure	86	70
Heart rate	86	66

*: People suffering from anaemia were removed from these violin plots, following the World Health Organization (WHO) standard cut-offs (exclusion of non-pregnant lowlander women < 12g/dl, lowlander men <13g/dl, exclusion of non-pregnant highlander women < 13.3g/dl, highlander men <14.3g/dl)[68].