**Table S1.** Codes, districts, altitudes, and coordinates of the collected areas of the populations.

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| --- | --- | --- | --- |
| Code | District | Altitude (m) | Coordinate |
| P1 | Altınordu | 46 | 40°57’51”N - 37°55’29”E |
| P2 | Altınordu | 311 | 41°00’06”N - 37°51’27”E |
| P3 | Perşembe | 124 | 41°06’55”N - 37°45’19”E |
| P4 | Gülyalı | 365 | 40°55’44”N - 38°03’52”E |
| P5 | Fatsa | 239 | 40°58’52”N - 37°27’41”E |
| P6 | Çamaş | 566 | 40°54’28”N - 37°31’48”E |
| P7 | Çatalpınar | 708 | 40°51’49”N - 37°28’28”E |
| P8 | Korgan | 1553 | 40°42’13”N - 37°12’50”E |
| P9 | Kumru | 1120 | 40°52’37”N - 37°12’45”E |
| P10 | Ünye | 56 | 41°06’36”N - 37°17’53”E |
| P11 | Ünye | 582 | 41°03’06”N - 37°14’21”E |
| P12 | İkizce | 461 | 41°03’52”N - 37°00’08”E |
| P13 | Çaybaşı | 1026 | 40°56’46”N - 37°00’23”E |
| P14 | Kabataş | 1078 | 40°45’43”N - 37°23’46”E |
| P15 | Aybastı | 1084 | 40°41’16”N - 37°22’39”E |
| P16 | Aybastı | 1547 | 40°37’11”N - 37°18’09”E |
| P17 | Ulubey | 530 | 40°51’36”N - 37°43’17”E |
| P18 | Ulubey | 1277 | 40°45’54”N - 37°47’35”E |
| P19 | Gürgentepe | 875 | 40°51’02”N - 37°36’22”E |
| P20 | Gürgentepe | 1167 | 40°46’13”N - 37°35’57”E |
| P21 | Gürgentepe | 1175 | 40°47’58”N - 37°32’11”E |
| P22 | Gölköy | 812 | 40°42’07”N - 37°40’12”E |
| P23 | Gölköy | 1181 | 40°40’26”N -37°35’40”E |
| P24 | Gölköy | 1556 | 40°34’38”N - 37°31’32”E |
| P25 | Mesudiye | 1419 | 40°36’08”N - 37°47’49”E |
| P26 | Mesudiye | 1510 | 40°23’55”N - 37°40’05”E |
| P27 | Mesudiye | 1598 | 40°33’15”N - 37°43’43”E |
| P28 | Mesudiye | 1681 | 40°29’55”N - 37°51’44”E |
| P29 | Mesudiye | 2122 | 40°30’55”N - 37°56’53”E |
| P30 | Akkuş | 880 | 40°47’51”N - 36°51’45”E |
| P31 | Akkuş | 1073 | 40°50’45”N - 37°05’28”E |
| P32 | Akkuş | 1171 | 40°49’12”N– 36°56’56”E |
| P33 | Akkuş | 1360 | 40°46’39”N - 36°59’00”E |
| P34 | Kabadüz | 896 | 40°45’30”N - 37°53’37”E |
| P35 | Kabadüz | 1598 | 40°42’20”N - 37°55’49”E |
| P36 | Kabadüz | 2708 | 40°31’27”N - 38°00’33”E |