

Table S1. Morphological traits of the Calabrian hop populations.

| ID | Area | Name | size | shape | diameter | SE | length | SE |
|----|------|---------------|------|-------|----------|----------|--------|----------|
| 1 | CS | Coscile1 | 5 | 4 | 1.555 | 0.080614 | 2.68 | 0.186886 |
| 3 | CS | Coscile2 | 5 | 4 | 1.515 | 0.060383 | 2.21 | 0.093161 |
| 6 | CS | Coscile3 | 3 | 3 | 1.395 | 0.03515 | 2.075 | 0.080745 |
| 7 | CS | Coscile4 | 5 | 4 | 1.68 | 0.056008 | 2.845 | 0.125546 |
| 9 | CS | Coscile5 | 5 | 4 | 1.505 | 0.054035 | 2.405 | 0.104498 |
| 10 | CZ | Brullì1 | 7 | 4 | 1.445 | 0.043815 | 3.005 | 0.179543 |
| 14 | CZ | Brullì2 | 3 | 4 | 1.4 | 0.044129 | 2.015 | 0.06893 |
| 15 | CZ | Brullì3 | 5 | 4 | 1.395 | 0.050511 | 2.24 | 0.108918 |
| 17 | RC | COMET | 7 | 4 | 1.478 | 0.027957 | 3.061 | 0.071297 |
| 20 | RC | COLUMBIA | 7 | 4 | 1.41 | 0.04471 | 2.746 | 0.122814 |
| 24 | CS | Quattromiglia | 5 | 3 | 1.485 | 0.041849 | 2.285 | 0.07514 |
| 25 | CS | Quattromiglia | 5 | 3 | 1.38 | 0.04389 | 2.275 | 0.095111 |
| 27 | CS | Crati1 | 3 | 3 | 1.315 | 0.030153 | 1.855 | 0.04321 |
| 28 | CS | Crati2 | 5 | 4 | 1.36 | 0.053014 | 2.22 | 0.128062 |
| 31 | VV | Caruso | 7 | 4 | 1.67 | 0.053852 | 3.275 | 0.124789 |
| 32 | VV | Siviglia | 7 | 3 | 1.779 | 0.057352 | 3.22 | 0.121525 |
| 35 | VV | HERSBRUCKER | 7 | 3 | 1.793 | 0.035407 | 3.311 | 0.100141 |
| 39 | VV | FUGGLE | 7 | 4 | 1.906 | 0.036273 | 3.883 | 0.068398 |
| 40 | CS | Movigliano1 | 5 | 3 | 1.393 | 0.049885 | 2.179 | 0.094153 |
| 42 | CS | Movigliano2 | 5 | 3 | 1.718 | 0.061508 | 2.538 | 0.109688 |
| 43 | CS | Molarotta | 7 | 4 | 1.78 | 0.029849 | 3.304 | 0.081673 |
| 46 | VV | Pizzoni1 | 3 | 3 | 1.301 | 0.029835 | 1.849 | 0.043066 |
| 49 | VV | Pizzoni2 | 3 | 3 | 1.375 | 0.031538 | 1.722 | 0.040105 |