***Supplementary Material***

**Setting up decision-making tools towards a quality-oriented participatory maize breeding program**

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Table S8. Pairwise FST values between farmers’ populations, pairwise FST values between participatory bred (PPB) populations, and pairwise FST values between all maize populations.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameter | Farmers’ populations | | PPB populations | | All populations | |
| *FST* | Between populations | *FST* | Between populations | *FST* | Between populations |
| Average | 0.099 |  | 0.113 |  | 0.124 |  |
| Minimum | 0.030 | Broa-142 / Broa-172 | 0.005 | Estica / Fisga | 0.005 | Estica / Fisga |
| Maximum | 0.262 | Broa-214 / Broa-CMSPH8 | 0.233 | Verdeal da Aperrela / Castro Verde | 0.377 | Broa-CMSPH8 / BS22(R)C6 |

*FST stands for fixation index*