

Supplementary Materials

Table S1. Component scores and loadings of *T. bellerica* traits

	PC1	PC2	PC3	PC4	PC5
Variance %	73.1	24.1	2.6	0.1	0.1
PH	0.004	0.005	-0.024	0.03	-0.126
BD	-0.034	-0.027	-0.998	0.019	0.025
GBH	0	0	0	0	0.001
LA	0.948	0.311	-0.042	-0.038	-0.034
Vol	0.002	-0.002	-0.003	-0.016	0.02
LL	0.048	0.016	0.027	0.684	0.721
LW	0.027	0.003	0.007	0.022	0.07
Chl a	-0.005	0.008	-0.003	-0.248	0.216
Chl b	-0.004	0.011	0.004	-0.276	0.252
Chl a/Chl b	-0.009	0.019	0	-0.522	0.479
Total C	-0.007	0.013	0	-0.342	0.338
Car	0.001	0.006	-0.003	0.049	-0.064
CP	-0.312	0.95	-0.015	0.021	-0.019

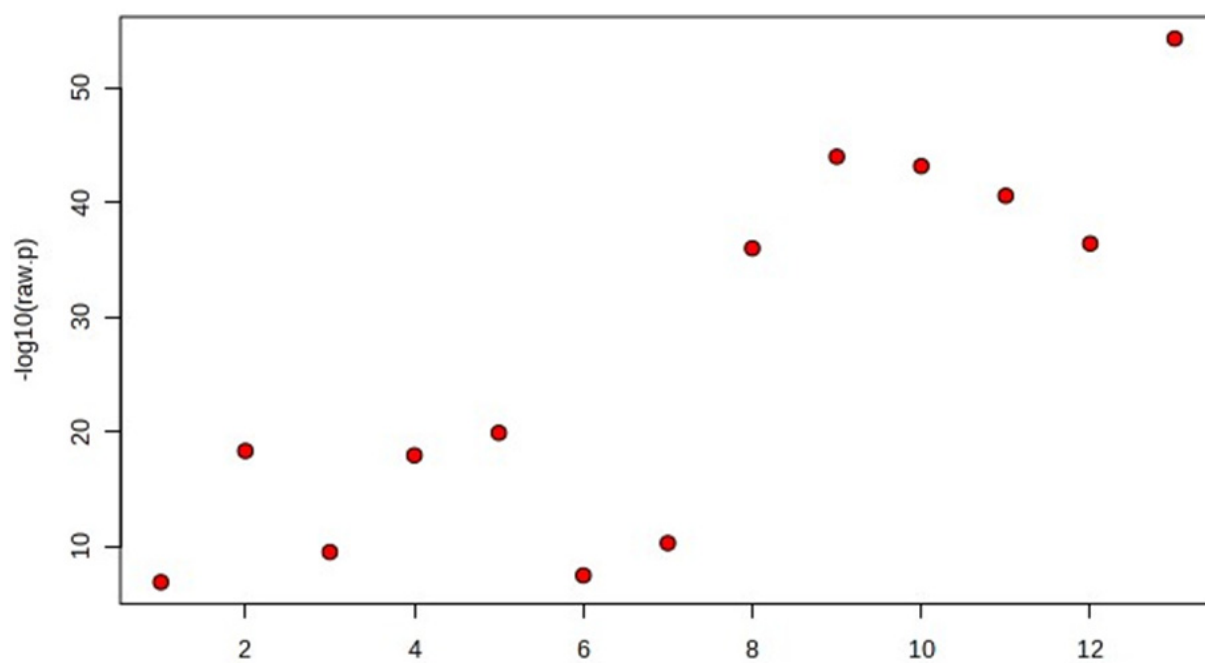


Figure S1. One way ANOVA plot showing the significant differences among the studied physiochemical properties amidst the eighteen progenies.

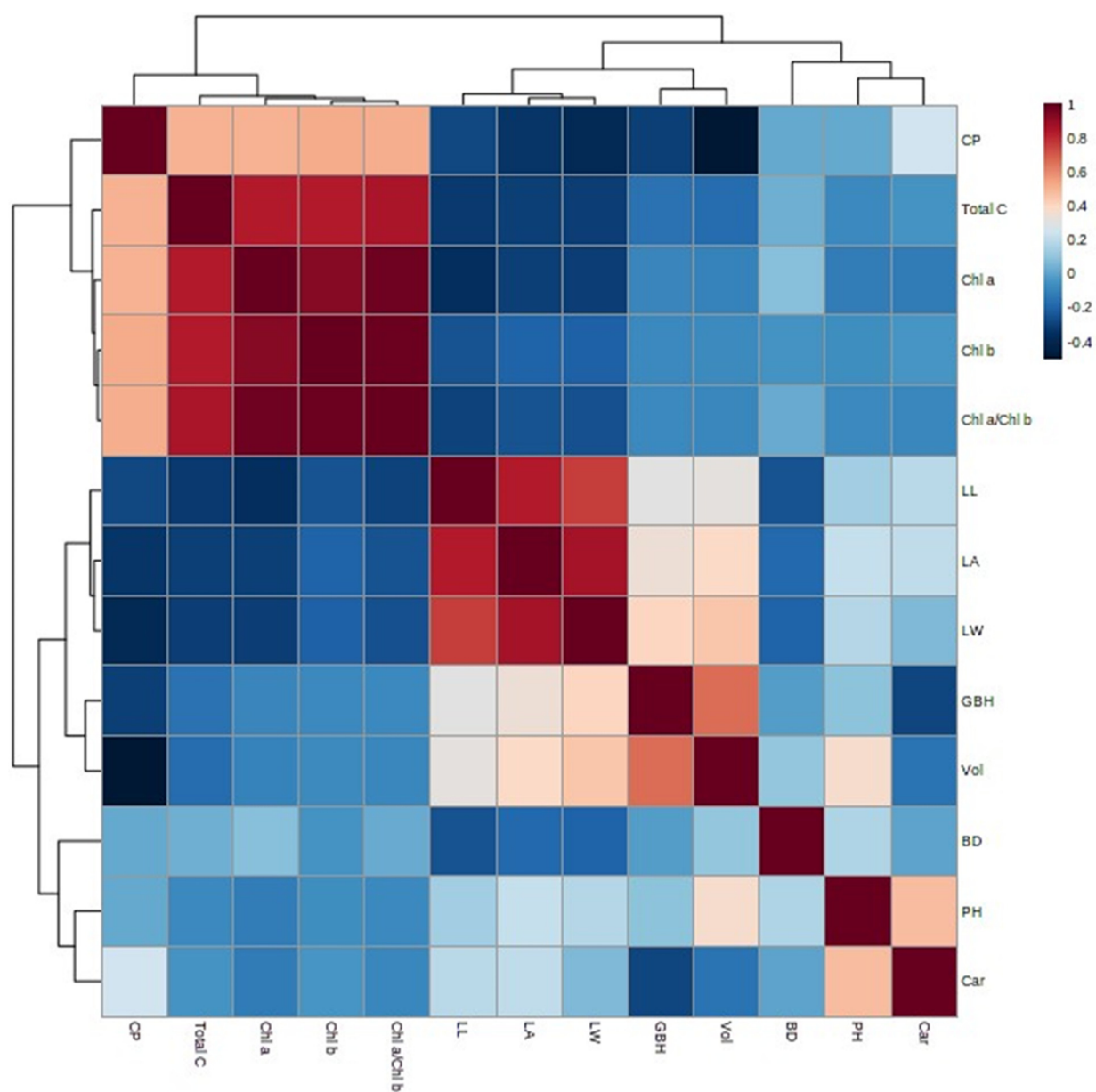


Figure S2. Correlation map showing the relationship between 13 characters in the study

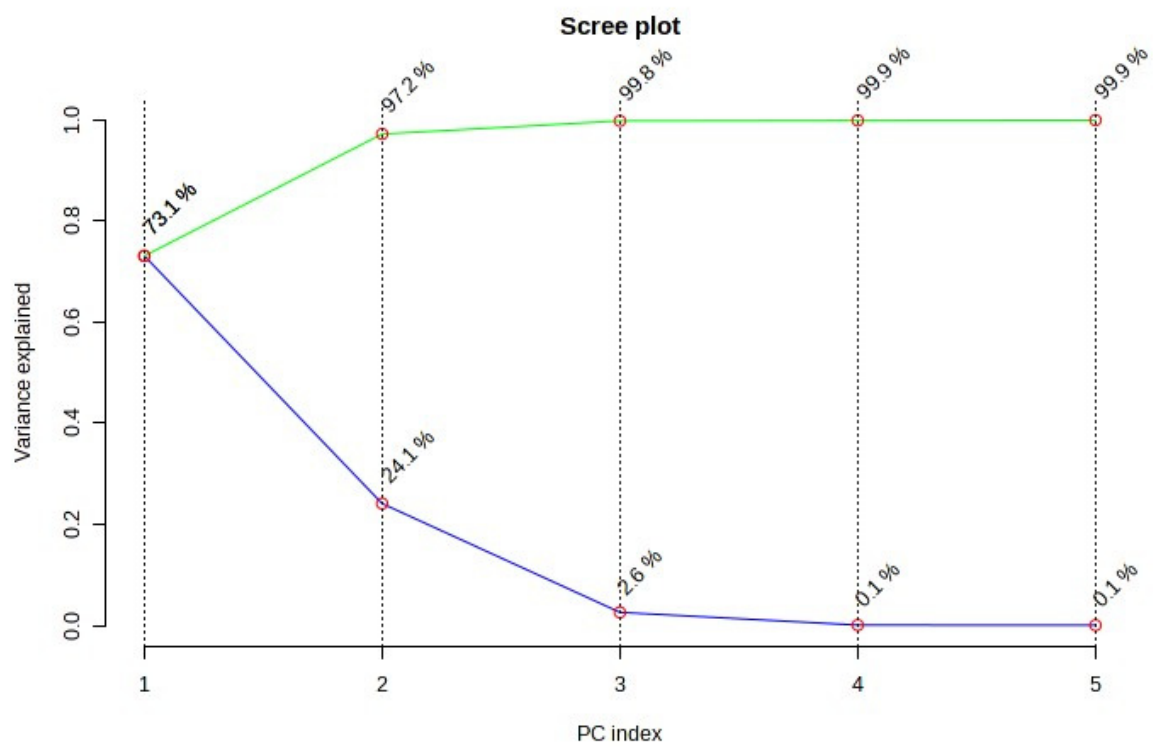


Figure S3. PCA variance explained

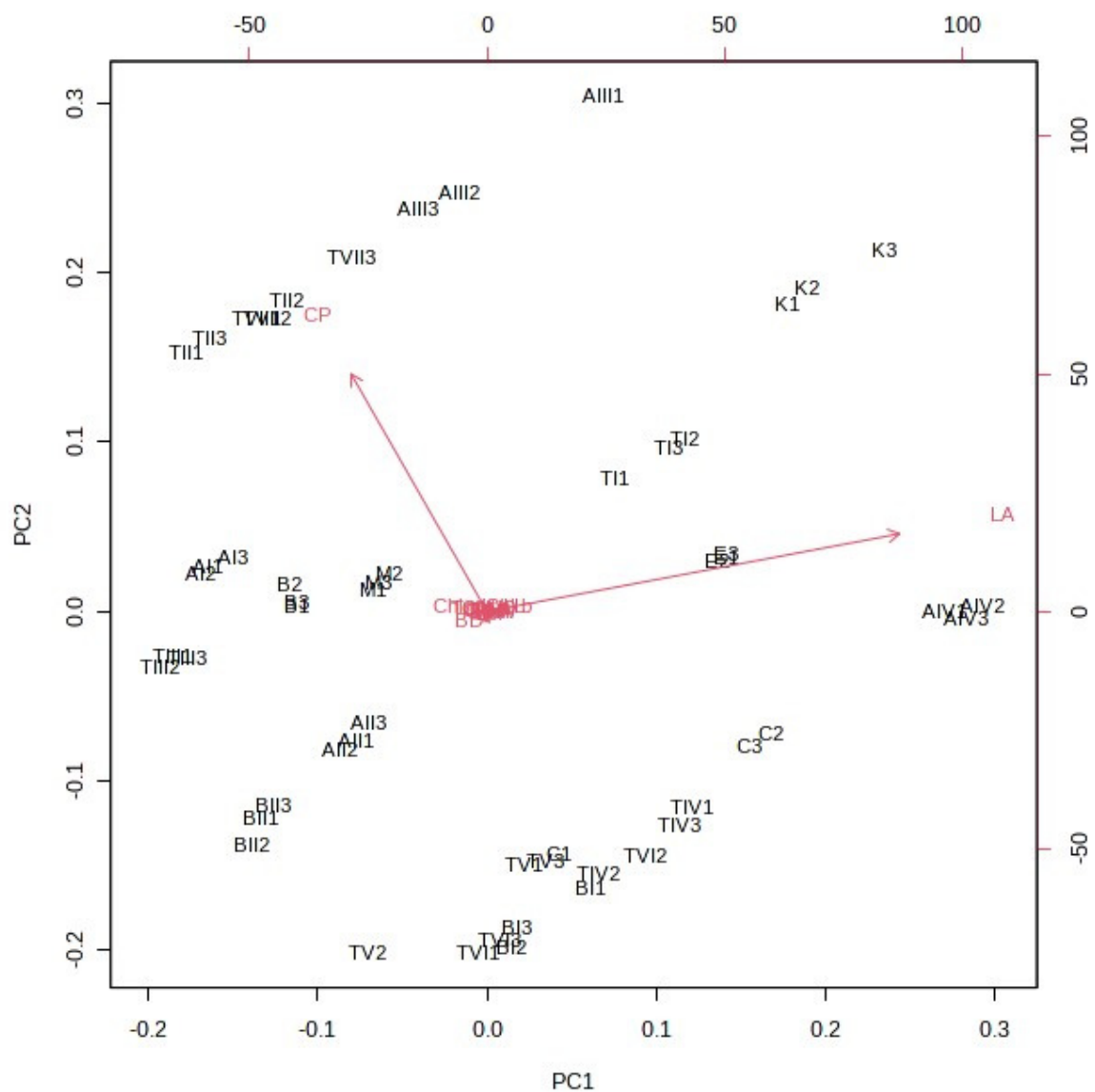
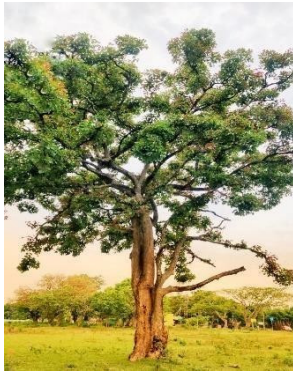


Figure S4. Segregation of the 18 *Terminalia* progenies according to their growth, physiological and biochemical characteristics determined by principal component analysis.



FCRI TB1



FCRI TB2



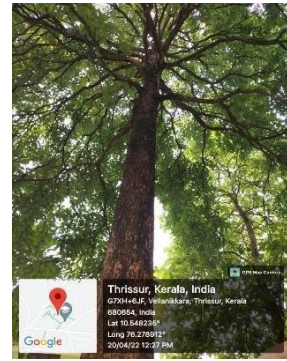
FCRI TB3



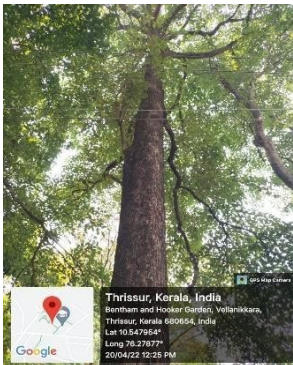
FCRI TB4



FCRI TB5



FCRI TB6



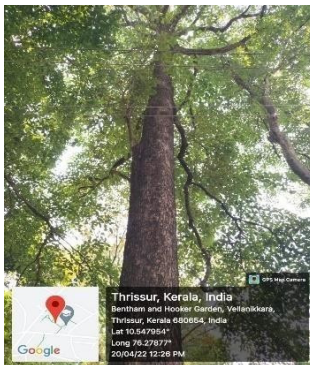
FCRI TB7



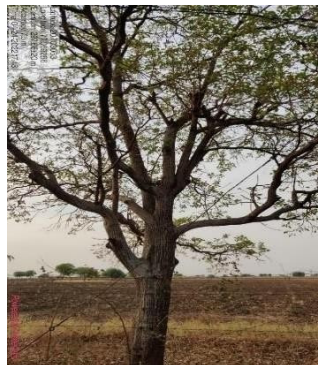
FCRI TB8



FCRI TB9



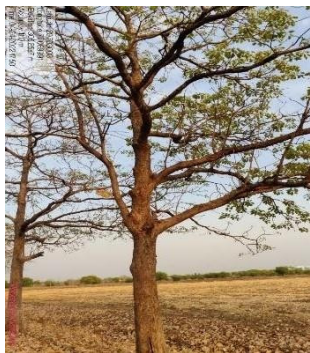
FCRI TB10



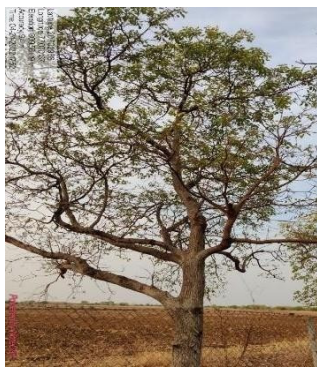
FCRI TB11



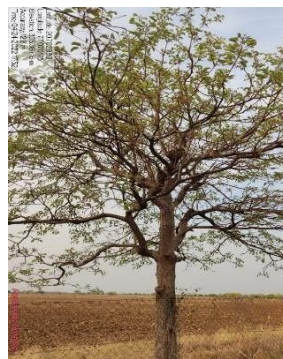
FCRI TB12



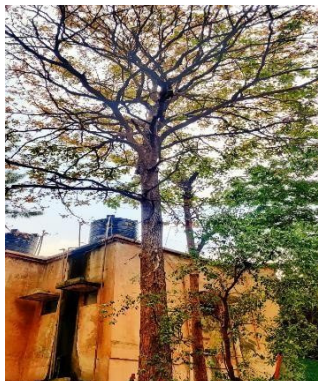
FCRI TB13



FCRI TB14



FCRI TB15



FCRI TB16



FCRI TB17



FCRI TB18

Figure S5. Selection of candidate plus

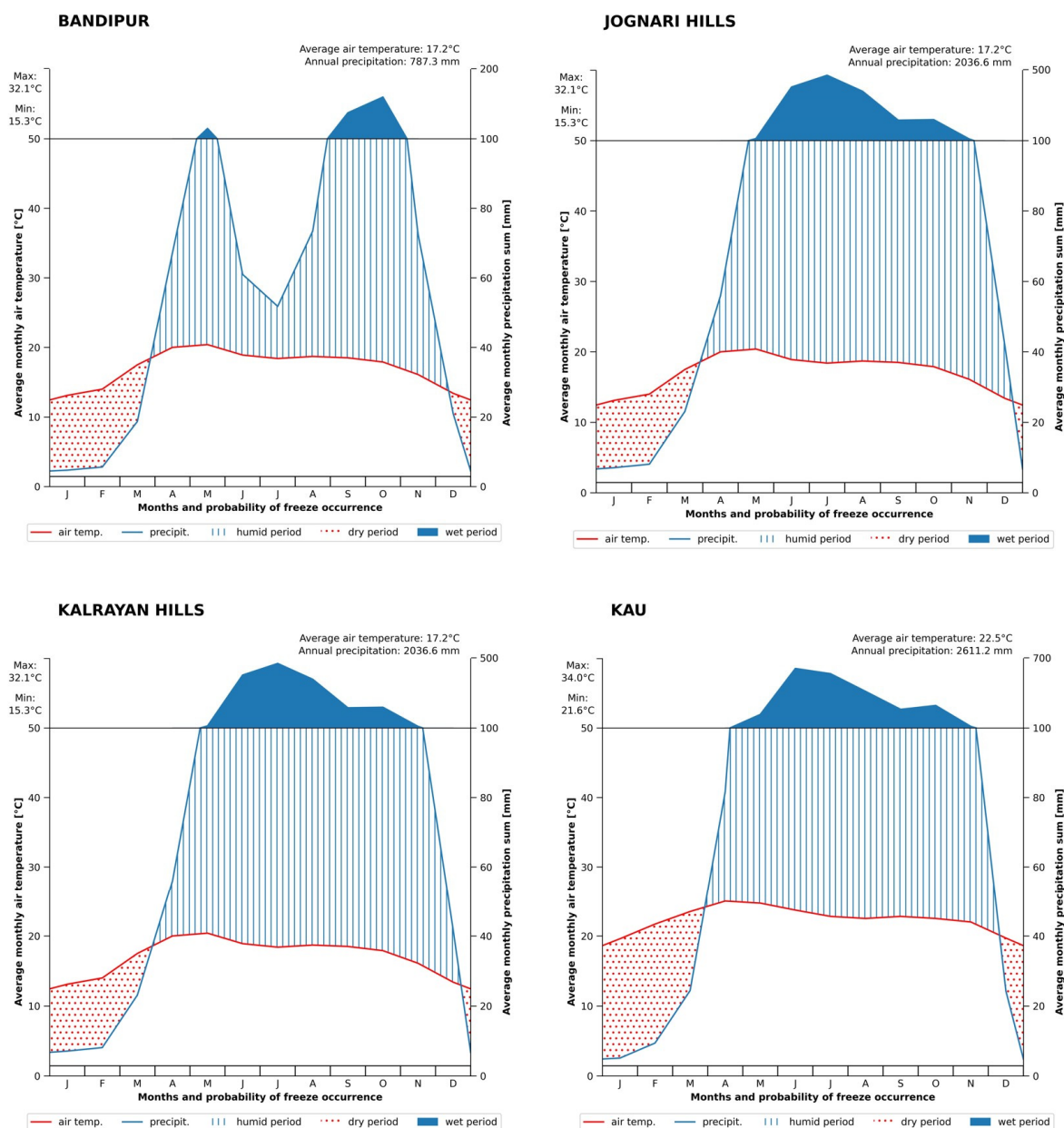


Figure S6. Walter-Leith diagram of the monthly rainfall and daily average temperature of Bandipur (Karnataka), Thrissur (Kerala), Kallakurichi (Tamil Nadu) and Jognari (Tamil Nadu).

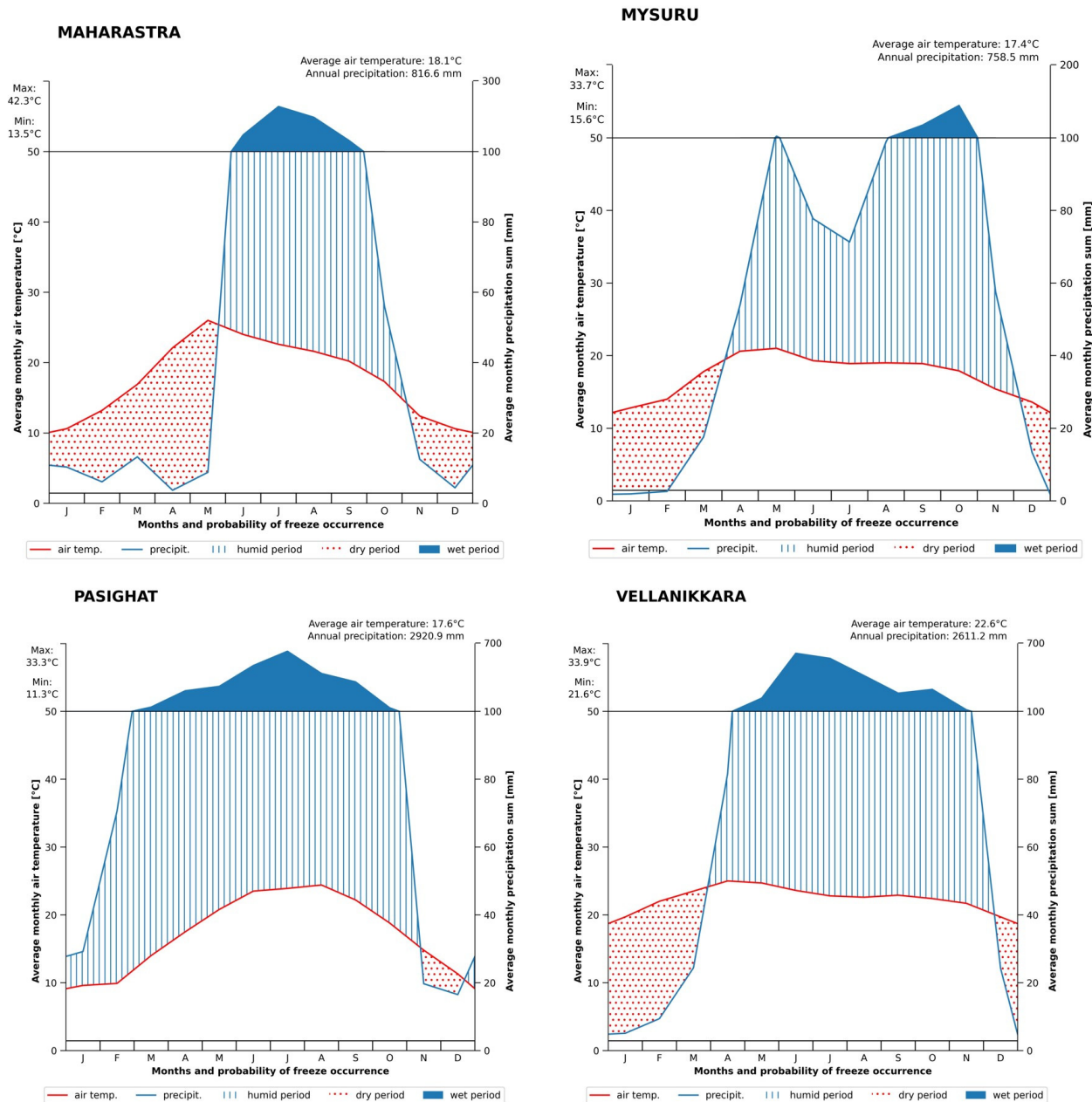


Figure S7: Walter-Leith diagram of the monthly rainfall and daily average temperature of Maharashtra, Mysuru (Karnataka), Pasighat (Arunachal Pradesh) and Vellanikkara (Kerala)