

Table 7 Eigen vectors (loadings) of the first five principal components

Traits	PC1	PC2	PC3	PC4	PC5
1 <sup>st</sup> Germination	-0.132	0.600	0.519	0.225	0.478
2 <sup>nd</sup> Germination	0.013	0.609	0.667	0.283	0.214
1 <sup>st</sup> Tillering	0.132	0.853	0.356	-0.097	0.149
2 <sup>nd</sup> Tillering	-0.264	0.838	0.023	-0.333	0.226
1 <sup>st</sup> Plant height	0.822	-0.104	0.179	0.336	0.003
2 <sup>nd</sup> Plant height	0.727	-0.296	0.181	0.282	-0.036
Yield	0.181	0.115	0.491	-0.717	0.016
Milliable Cane	0.617	0.205	0.481	-0.412	-0.057
Nodes plant <sup>-1</sup>	0.515	-0.193	0.685	0.081	-0.346
Internode length	-0.148	-0.097	-0.524	-0.462	0.411
Weight of unstrapped 5 canes	0.700	-0.478	0.151	-0.318	0.001
Weight of stripped 5 canes	0.627	-0.437	0.117	-0.486	-0.015
Weight of Trash and Tops	0.509	-0.322	0.164	0.384	0.050
Leaf length.	0.739	-0.037	-0.229	-0.212	0.319
Leaf width	0.253	-0.284	-0.119	0.314	0.706
Leaf area	0.718	-0.180	-0.214	0.003	0.574
C. Brix percentage	-0.554	-0.480	0.479	0.011	0.171
Pol percentage	-0.629	-0.604	0.423	-0.068	0.193
Purity percentage	-0.603	-0.639	0.334	-0.100	0.184
Recovery	-0.630	-0.617	0.400	-0.084	0.193