



Figure 1. Trends in broad sense heritability and predicted selection gains.
H = broad sense heritability; %GS = predicted selection gains.

Conclusions

Family selection produced larger variability, higher heritability and higher % predicted gains than individual genotype selection across trials in both humic and sandy soils in the Midlands region, highlighting the superiority of family selection compared to individual genotype selection in sugarcane breeding. Combined gains from adopting family selection followed by individual genotype selection will increase overall genetic gains in sugarcane breeding.

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