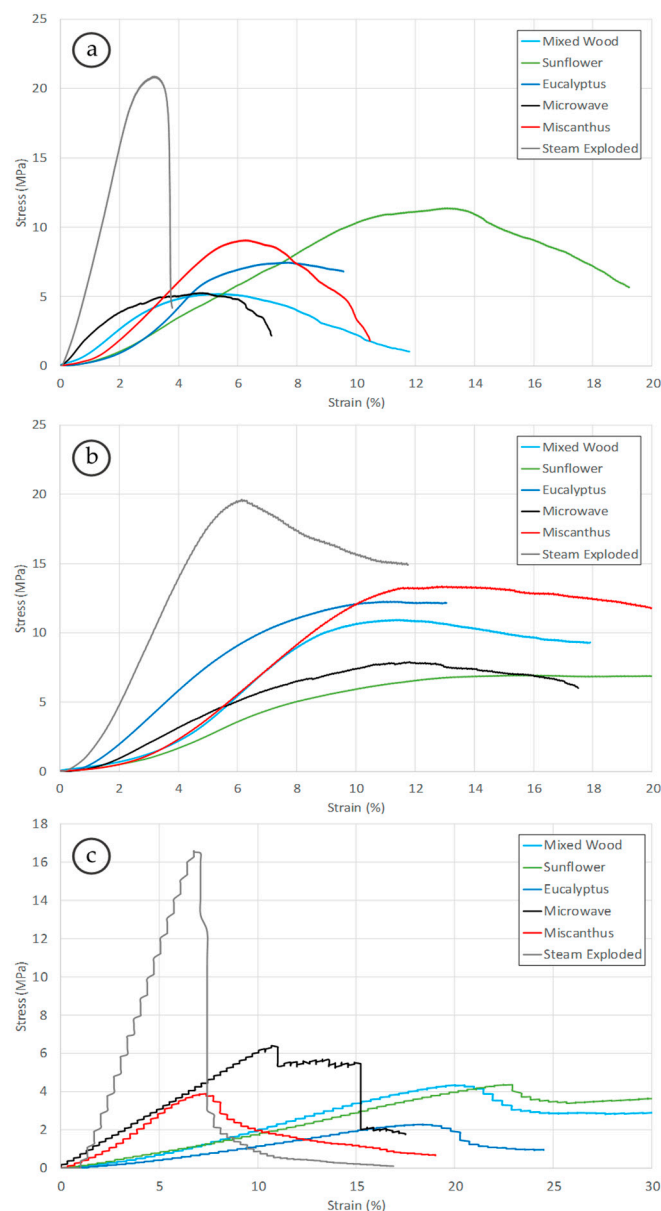


# Supplemental Data: Applicability of Mechanical Tests for Biomass Pellet Characterisation for Bioenergy Applications

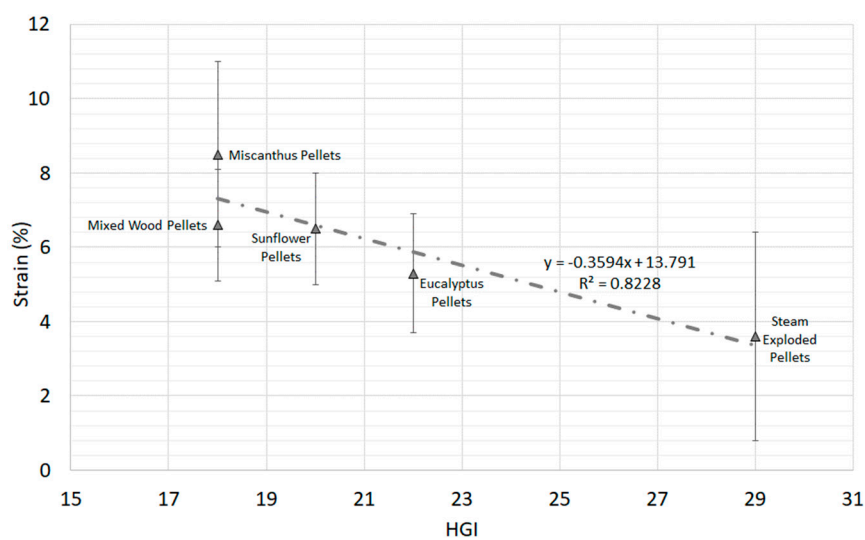
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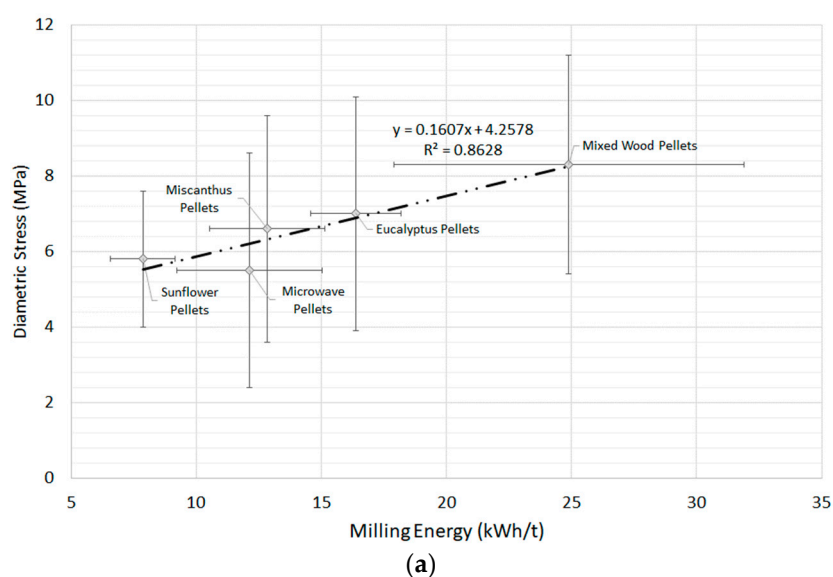
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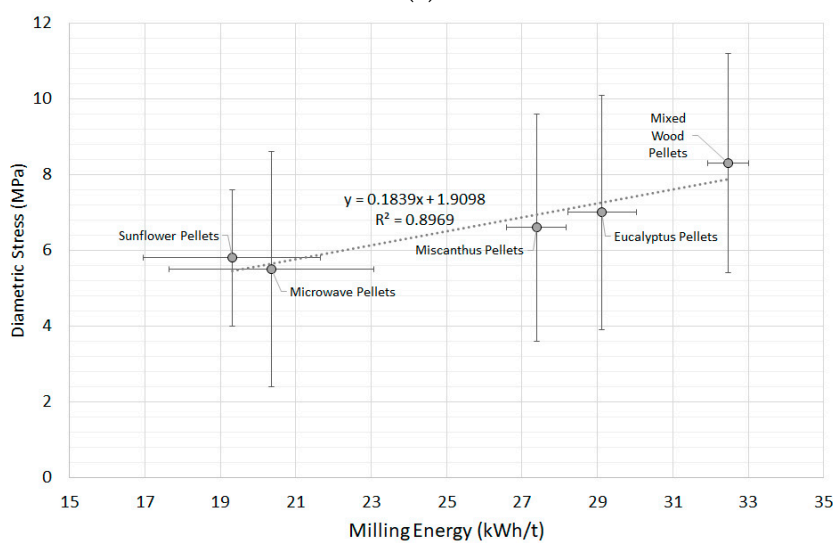
**Figure S1.** Typical quasi-static stress strain curves for biomass pellets in axial (a), diametric (b), and flexure (c) orientations.



**Figure S2.** Biomass pellet quasi-static diametric elastic strain versus HGI (HGI  $n=2$ , strain data  $n=10$ ).

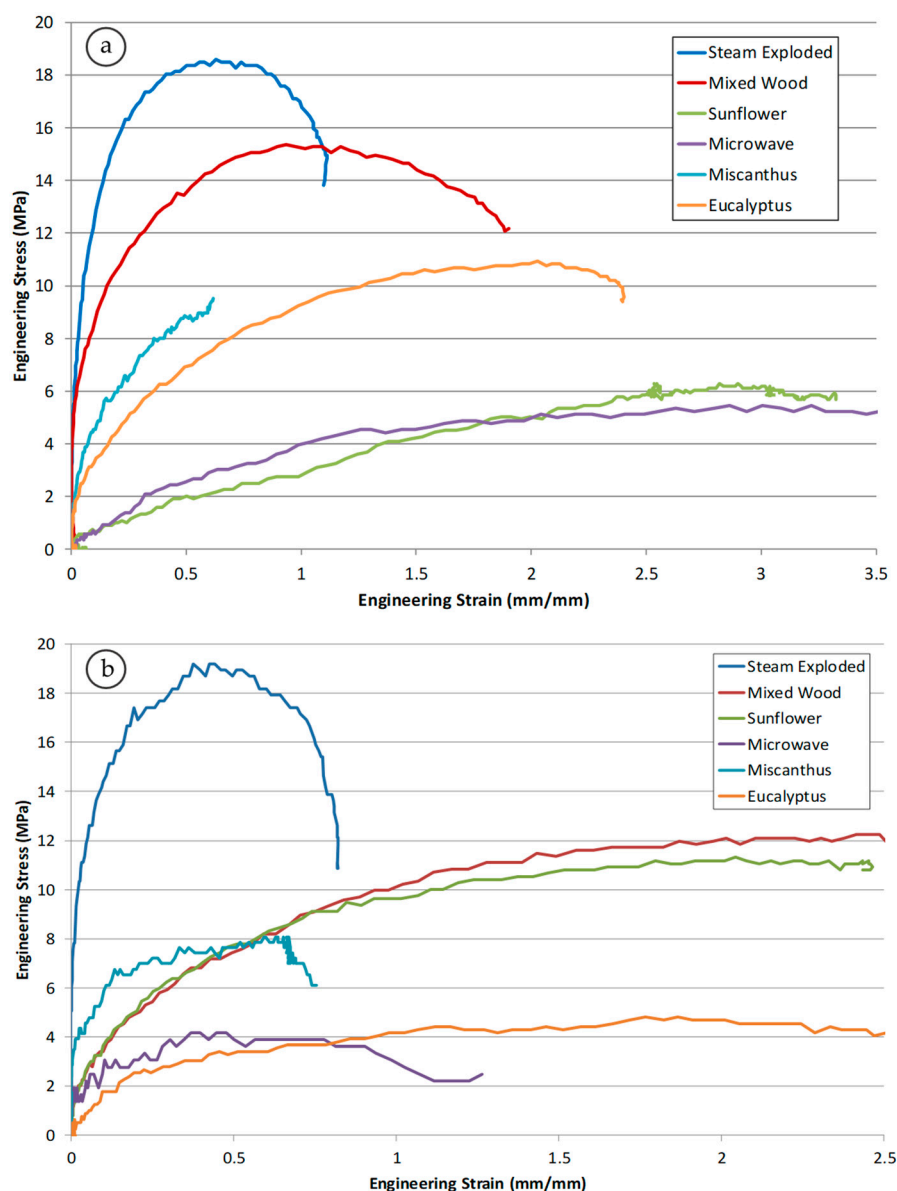


(a)



(b)

**Figure S3.** Ring-Roller (a) and knife mill (b) energy against biomass pellet quasi-static diametric proportional stress (milling energy N=3, stress data N=10).



**Figure S4.** Typical dynamic stress strain curves for biomass pellets in axial (a) and, diametric (b), orientations.



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