**Effects of addition of different sources and doses sugars on *in vitro* digestibilities of dry matter, fibrous components and cell wall monosaccharides of corn silage**

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**Supplementary material**

**Supplementary Figure S1.** Average of *in vitro* digestibility of dry matter (IVDMD) of corn silage or substrate, affected by sources and doses of soluble sugars. Proportions of sugars**:**corn silage, 0:100, 10:90, 20:80, 30:70 and 40:60 represented by sugar doses, respectively. Ruminal fluid was collected from rumen-cannulated Nellore steers. *P* < 0.0001 for dose effect, *P* < 0.0001 for source effect, *P* < 0.0001 for interaction dose × source (Gluc = glucose, Fru= fructose, Suc = sucrose, Ara = arabinose, Xyl = xylose).

**Supplementary Figure S2.** Average of *in vitro* digestibility of neutral detergent fibre (NDFD) of corn silage or substrate, affected by sources and doses of soluble sugars. Proportions of sugars**:**corn silage, 0:100, 10:90, 20:80, 30:70 and 40:60 represented by sugar doses, respectively. Ruminal fluid was collected from rumen-cannulated Nellore steers. *P* < 0.0001 for dose effect, *P* < 0.0001 for source effect, *P* < 0.0001 for interaction dose × source (Gluc = glucose, Fru = fructose, Suc = sucrose, Ara = arabinose, Xyl = xylose).

**Supplementary Figure S3.** Average of *in vitro* digestibility of acid detergent fibre (ADFD) in corn silage or substrate, affected by sources and doses of soluble sugars. Proportions of sugars**:**corn silage, 0:100, 10:90, 20:80, 30:70 and 40:60 represented by sugar doses, respectively. Ruminal fluid was collected from rumen-cannulated Nellore steers. *P* < 0.0001 for dose effect, *P* < 0.0001 for source effect, *P* < 0.0005 for interaction dose × source (Gluc = glucose, Fru = fructose, Suc = sucrose, Ara = arabinose, Xyl = xylose).

**Supplementary Figure S4.** Average of *in vitro* digestibility of arabinose (Darab) from the cell walls of corn silage or substrate, affected by sources and doses of soluble sugars. Proportions of sugars**:**corn silage, 0:100, 10:90, 20:80, 30:70 and 40:60 represented by sugar doses, respectively. Ruminal fluid was collected from rumen-cannulated Nellore steers. *P* < 0.0001 for dose effect, *P* = 0.424 for source effect, *P* = 0.434 for interaction dose × source (Gluc = glucose, Fru = fructose, Suc = sucrose, Ara = arabinose, Xyl = xylose).

**Supplementary Figure S5.** Average of *in vitro* digestibility of xylose (Dxyl) from the cell walls of corn silage or substrate, affected by sources and doses of soluble sugars. Proportions of sugars**:**corn silage, 0:100, 10:90, 20:80, 30:70 and 40:60 represented by sugar doses, respectively. Ruminal fluid was collected from rumen-cannulated Nellore steers. *P* < 0.0001 for dose effect, *P* < 0.0001 for source effect, *P* < 0.0019 for interaction dose × source. (Gluc = glucose, Fru = fructose, Suc = sucrose, Ara = arabinose, Xyl = xylose).

**Supplementary Figure S6.** Average of *in vitro* digestibility of glucose (Dgluc) from the cell walls of corn silage or substrate, affected by sources and doses of soluble sugars. Proportions of sugars**:**corn silage, 0:100, 10:90, 20:80, 30:70 and 40:60 represented by sugar doses, respectively. Ruminal fluid was collected from rumen-cannulated Nellore steers. *P* < 0.0001 for dose effect, *P* < 0.0001 for source effect, *P* < 0.0001 for interaction dose × source (Gluc = glucose, Fru = fructose, Suc = sucrose, Ara = arabinose, Xyl = xylose).