

**Effects of body weight and fiber source on dietary fiber digestibility and short chain fatty acid concentration in growing pig**

**Supplementary Table 1-1.** The body weight (BW) and feed allowance for the pigs of 25 kg

Pig number	Initial BW, kg	Diets	Feed allowance, kg/d	Final BW, kg
Period 1				
1	23	CB	0.92	32.5
2	23.5	SBP	0.94	33.15
3	24	SH	0.96	35.1
4	24.5	SH	0.98	29.9
5	25	SBP	1.00	30.55
6	25.5	CB	1.02	37.05
7	25.5	CB	1.02	31.2
8	27	SBP	1.08	31.85
9	28.5	SH	1.14	33.15
Period 2				
1	32.5	SBP	1.30	39.25
2	33.15	SH	1.33	40.96
3	35.1	CB	1.40	40.11
4	29.9	CB	1.20	40.96
5	30.55	SH	1.22	38.40
6	37.05	SBP	1.48	41.81
7	31.2	SBP	1.25	42.67
8	31.85	SH	1.27	42.67
9	33.15	CB	1.33	45.23

CB, corn bran; SBP, sugar beet pulp; SH, soybean hulls.

**Supplementary Table 1-2.** The body weight (BW) and feed allowance for the pigs of 60 kg

Pig number	Initial BW, kg	Diets	Feed allowance, kg/d	Final BW, kg
Period 1				
1	56.54	CB	2.26	62.50
2	60.79	SBP	2.43	66.44
3	61.91	SH	2.48	68.65
4	62.26	SH	2.49	66.00
5	62.73	SBP	2.51	68.98
6	65.28	CB	2.61	70.50
7	65.29	CB	2.61	72.21
8	66.29	SBP	2.65	71.89
9	70.13	SH	2.81	76.20
Period 2				
1	62.50	SBP	2.50	70.66
2	66.44	SH	2.66	73.73
3	68.65	CB	2.75	72.19
4	66.00	CB	2.64	69.11
5	68.98	SH	2.76	73.00
6	70.50	SBP	2.82	75.26
7	72.21	SBP	2.89	76.80
8	71.89	SH	2.88	76.80
9	76.20	CB	3.05	81.00

CB, corn bran; SBP, sugar beet pulp; SH, soybean hulls.

**Supplementary Table 2.** Effect of body weight on the apparent ileal digestibility (%) of GE, OM, SDF and hemicellulose in diets with different fiber sources.

Items	Diets		
	CB	SBP	SH
<b>GE</b>			
60 kg	72.04	72.89 <sup>a</sup>	71.87 <sup>a</sup>
25 kg	74.94	69.44 <sup>b</sup>	68.75 <sup>b</sup>
SEM	1.76	1.43	1.21
<i>P</i> -value	0.112	0.031	0.049
<b>OM</b>			
60 kg	72.55	74.17 <sup>a</sup>	71.13 <sup>a</sup>
25 kg	74.05	69.14 <sup>b</sup>	68.36 <sup>b</sup>
SEM	1.26	1.42	1.01
<i>P</i> -value	0.072	0.013	0.024
<b>EE</b>			
60 kg	71.55 <sup>b</sup>	57.38 <sup>b</sup>	94.32 <sup>a</sup>
25 kg	86.32 <sup>a</sup>	79.94 <sup>a</sup>	69.66 <sup>b</sup>
SEM	3.62	3.87	4.01
<i>P</i> -value	0.016	0.013	0.001
<b>SDF</b>			
60 kg	9.15	25.48 <sup>a</sup>	48.94
25 kg	10.22	18.25 <sup>b</sup>	39.55
SEM	4.35	2.52	3.66
<i>P</i> -value	0.935	0.041	0.064
<b>Hemicellulose</b>			
60 kg	13.15 <sup>b</sup>	45.48 <sup>a</sup>	45.35 <sup>a</sup>
25 kg	25.06 <sup>a</sup>	32.40 <sup>b</sup>	32.71 <sup>b</sup>
SEM	3.02	4.91	2.76
<i>P</i> -value	0.022	0.034	0.026

<sup>a</sup>Data represent least square means (n=6), and individual pig was treated as the experimental unit. The variant alphabetical superscript in the same column within each diet indicate significant difference at  $p < 0.05$ . CB, corn bran; SBP, sugar beet pulp; SEM, standard error of the mean; SH, soybean hulls.