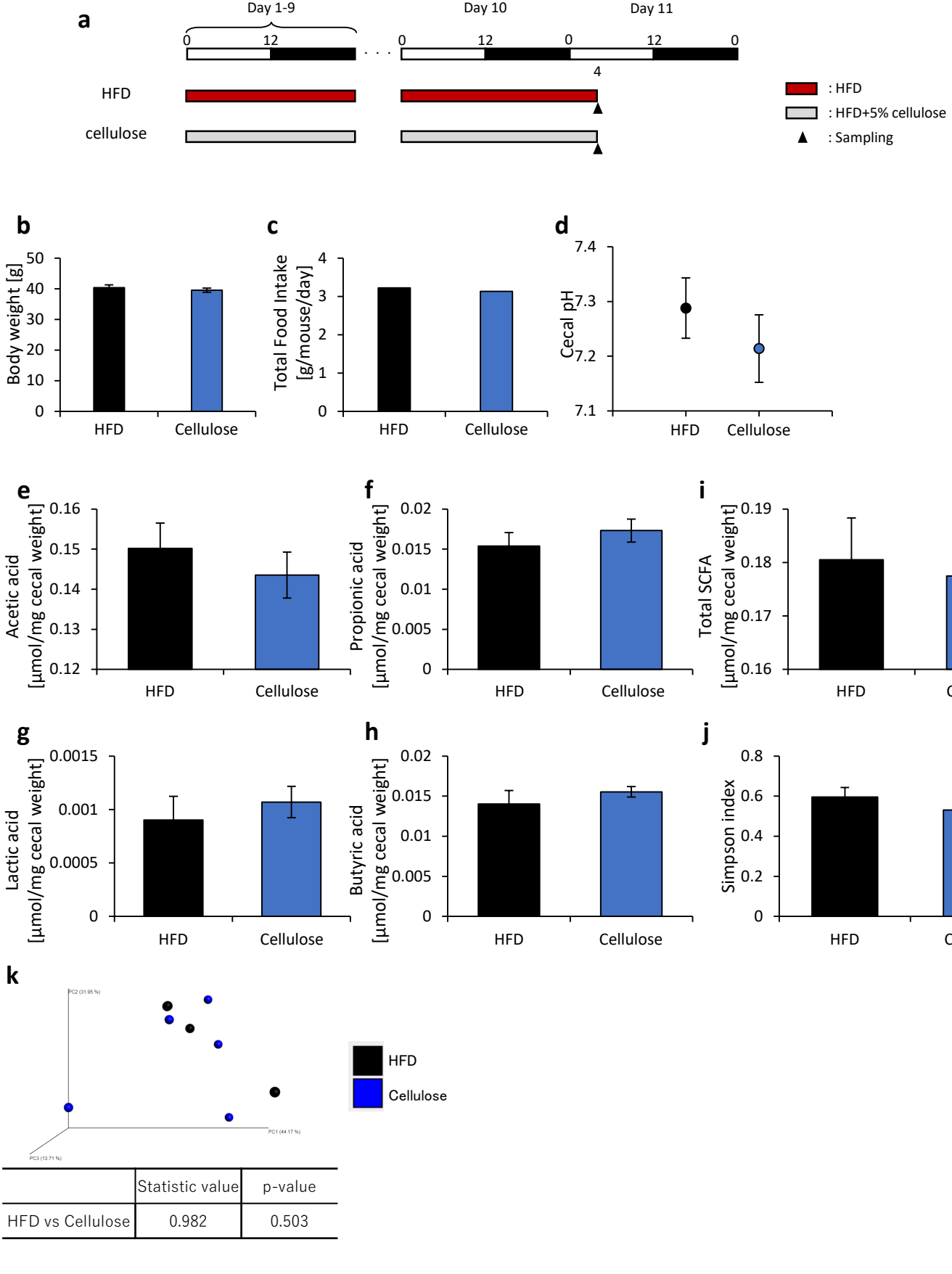
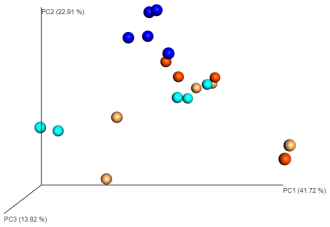


	Statistic value	p-value
HFD vs Cellulose	0.982	0.503

Figure S1

a

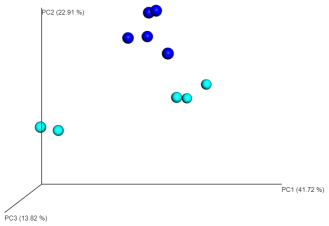
All data in experiment 1



ZT20 Cellulose
ZT20 Inulin
ZT4 Cellulose
ZT4 Inulin

b

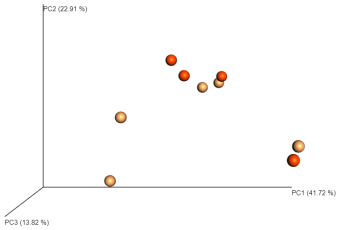
Effect of Food at ZT20



	Statistic value	p-value
Cellulose vs inulin	3.439	0.005

c

Effect of Food at ZT4

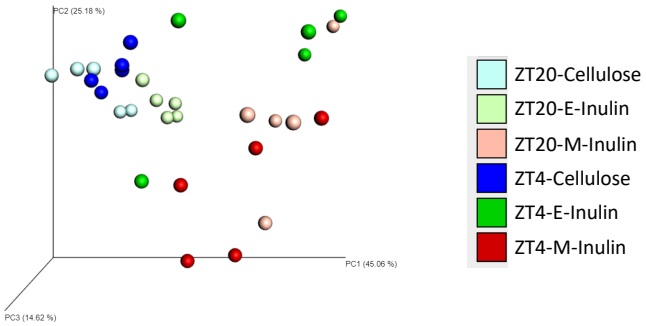


	Statistic value	p-value
Cellulose vs inulin	0.706	0.648

Figure S2

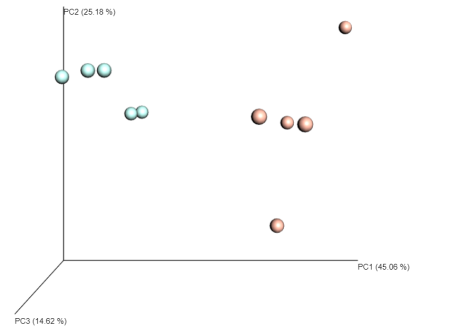
a

All data in experiment 2



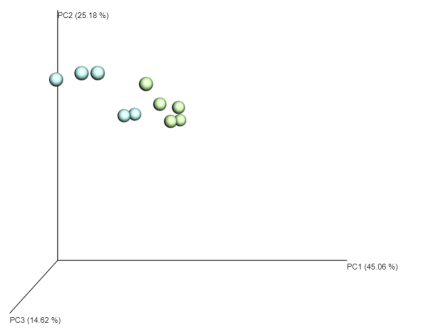
b At ZT20

Cellulose vs M-inulin



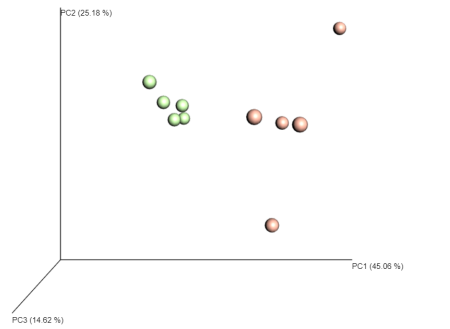
	Statistic value	p-value
Cellulose vs M-inulin	10.96	0.010

Cellulose vs E-inulin



	Statistic value	p-value
Cellulose vs E-inulin	4.051	0.057

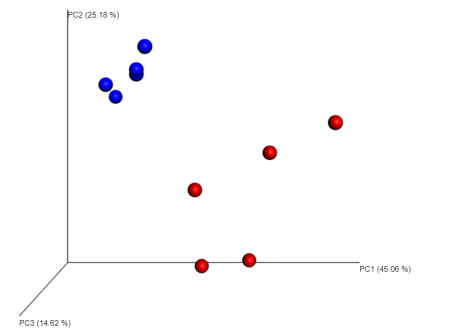
M-inulin vs E-inulin



	Statistic value	p-value
M-inulin vs E-inulin	5.774	0.009

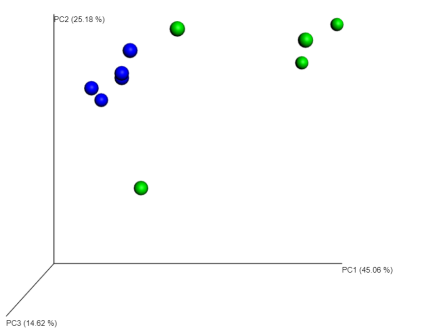
c At ZT4

Cellulose vs M-inulin



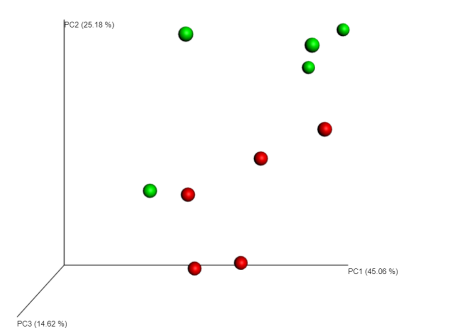
	Statistic value	p-value
Cellulose vs M-inulin	12.92	0.009

Cellulose vs E-inulin



	Statistic value	p-value
Cellulose vs E-inulin	5.258	0.036

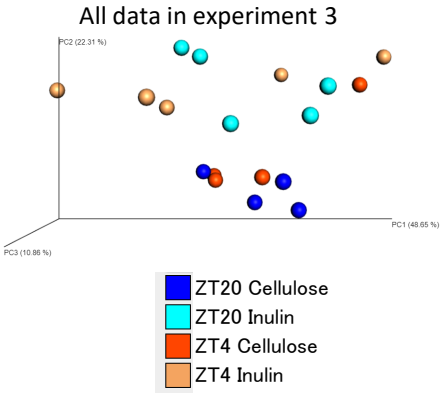
M-inulin vs E-inulin



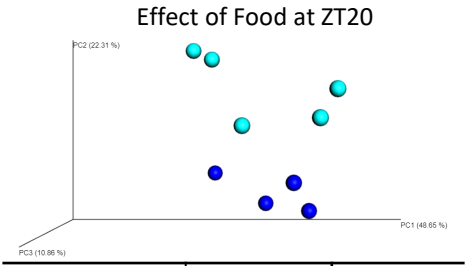
	Statistic value	p-value
M-inulin vs E-inulin	3.384	0.049

Figure S3

a

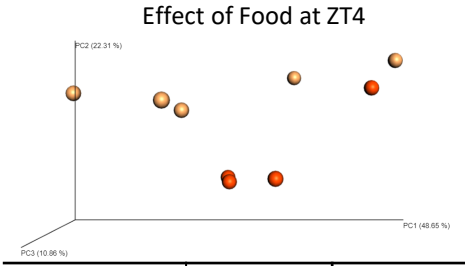


b



	Statistic value	p-value
Cellulose vs inulin	4.503	0.010

c



	Statistic value	p-value
Cellulose vs inulin	1.034	0.368

d

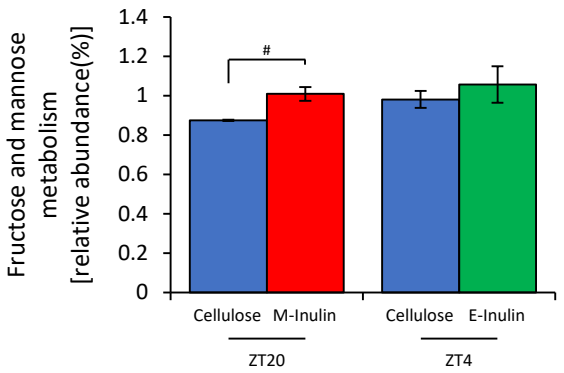
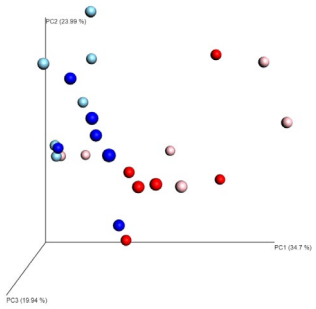
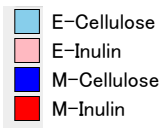


Figure S4

a

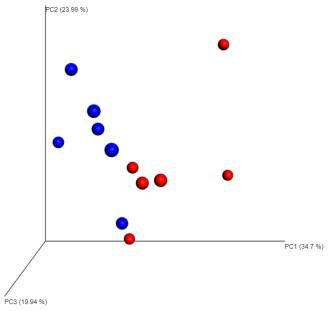
All data in experiment 4





b

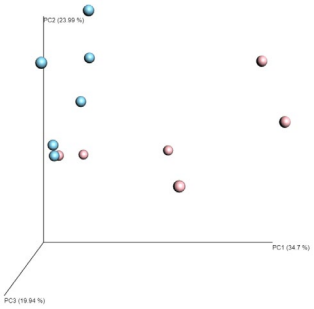
Effect of Food in Morning (ZT20)



	Statistic value	p-value
Cellulose vs inulin	1.034	0.368

c

Effect of Food in Evening (ZT4)



	Statistic value	p-value
Cellulose vs inulin	0.525	0.877

d

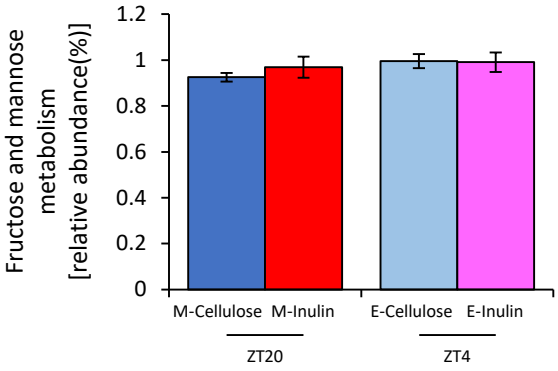


Figure S5