

## SUPPLEMENTAL MATERIAL

### **Strains of *Faecalibacterium prausnitzii* and its Extracts Reduce Blood Glucose Levels, Percent HbA1c, and Improve Glucose Tolerance Without Causing Hypoglycemia Side Effects in Diabetic and Prediabetic Mice.**

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Supplementary Table 1. Fasting blood glucose (mg/dL) change after 30 days FPZ treatment in Study 1

	<b>Control</b>	<b>FPZ-S</b>	<b>FPZ-L</b>
Average fasting blood glucose week 34	165 ± 6	167 ± 4	168 ± 7
Average fasting blood glucose week 40	193 ± 7	158 ± 7**	154 ± 8**
Fasting blood glucose change (average)	28 ± 12	-9 ± 8**	-14 ± 10**

\*\* p &lt; 0.01 vs. control

Supplementary Table 2. Individual blood glucose levels (mg/dL) during GTT in Study 1

<b>Control</b>					
<b>Time (min)</b>	0	20	50	90	120
	210	215	234	206	196
	186	265	230	202	199
	216	290	238	217	198
	173	221	212	192	181
	204	390	283	203	204
	206	393	383	237	244
	155	255	260	207	211
	174	190	193	175	185
	213	251	279	217	217
<b>FPS</b>					
<b>Time (min)</b>	0	20	50	90	120
	176	231	206	183	174
	148	251	200	154	149
	145	232	211	207	161
	137	275	188	197	175
	127	191	169	164	150
	160	185	188	170	182
	186	297	258	189	189
	152	275	249	209	173
	187	270	290	201	209
<b>FPL</b>					
<b>Time (min)</b>	0	20	50	90	120
	136	160	160	142	148
	170	202	221	214	184

	159	201	195	165	164
	169	262	220	214	182
	155	280	263	212	194
	161	250	229	202	193
	101	165	162	116	110
	174	272	200	168	168
	165	260	234	188	185

**Supplementary Table 3. Individual percent HbA1c values after 28 days of FPZ treatment for Study 1**

<b>Control</b>	<b>FPZ-S</b>	<b>FPZ-L</b>
5.2%	4.2%	4.9%
5.1%	5.0%	3.9%
4.6%	5.1%	4.7%
5.2%	5.3%	5.6%
5.5%	5.4%	4.8%
5.7%	5.2%	4.9%
5.3%	5.3%	5.2%
5.3%	5.2%	5.2%

**Supplementary Table 4. Individual blood glucose levels (mg/dL) during GTT for Study 2**

<b>Control</b>					
<b>Time (min)</b>	0	20	50	90	120
	141	294	313	169	147
	186	391	252	176	141
	210	252	241	136	149
	145	222	202	158	154
	190	390	270	217	220
	161	420	270	225	206
	136	378	274	195	224
<b>FPZ-S</b>					
<b>Time (min)</b>	0	20	50	90	120
	143	301	201	166	148
	152	254	192	171	140
	172	291	198	173	160

	142	334	187	182	188
	182	340	233	163	180
	144	269	210	180	163
	133	196	176	148	154

Supplementary Table 5. Individual blood glucose levels (mg/dL) during GTT for Study 3

<b>Control</b>					
<b>Time (min)</b>	0	20	50	90	120
	93	239	123	121	121
	89	289	143	123	123
	144	227	147	123	123
	119	261	173	153	153
	176	219	195	186	186
	141	182	175	157	157
<b>FPZ-S</b>					
<b>Time (min)</b>	0	20	50	90	120
	168	263	189	186	196
	156	191	183	183	173
	209	234	192	184	170
	140	193	188	157	162
	115	212	151	117	145
	133	188	156	124	122
	102	226	129	113	117
	80	213	162	99	104

Supplementary Table 6. Individual fasting blood glucose levels (mg/dL) for Study 4

<b>Control</b>	<b>FPZ-S</b>	<b>FPZ-L</b>
0	0	0
125	110	102
84	120	85
103	108	116
<b>120</b>	107	142
<b>103</b>	118	93
<b>95</b>	145	100
<b>137</b>	122	139
<b>96</b>		136

Supplementary Table 7. Individual percent HbA1c levels for Study 4

<b>Control</b>	<b>FPZ-S</b>	<b>FPZ-L</b>
4.50%	4.60%	4.60%
4.70%	4.90%	5.00%
4.80%	5.20%	4.80%
4.80%	4.70%	4.50%
4.50%	4.30%	4.50%
4.40%	5.10%	4.70%
4.80%	4.70%	4.70%
4.60%		4.70%