

### Supplementary files

#### Supplementary file 1: Primer sequences for FASn, IL-6, Leptin, TRIP-Br2 and $\beta$ -actin

Sr. No.	Gene	Forward primer	Reverse primer	Size (bp)
1.	FASn	CCGGGCAGCTGATCAGTATA	GCCAGGGAGCTATGGATGAT	225
2.	IL-6	GCCAGAGTCCTTCAGAGAGA	GGTCTTGGTCCTTAGCCACT	153
3.	Leptin	ATTTGAGACAGTGAGCCCCA	ACAGAATGGGTGGGAGACAG	168
4.	TRIP-Br2	GCATGAAGATGGGCTGGAAG	TCCTGCTTGAGTTCCTCCTG	201
5.	$\beta$ -actin	CCTCTATGCCAACACAGTGC	CCTGCTTGCTGATCCACATC	255

**Supplementary file 2: Effect of LMWGAL-TF on HFD induced alteration in food intake, water intake and calories intake in mice**

Parameters	G1	G2	G3	G4	G5
	LFD control	HFD control	LMWGAL-TF (30) + HFD	LMWGAL-TF (60) + HFD	LMWGAL-TF (100) + HFD
<b>Food Intake (g)</b>	2.33 ± 0.14	2.35 ± 0.14	2.33 ± 0.14	1.81 ± 0.21	1.89 ± 0.25
<b>Water Intake (mL)</b>	4.25 ± 0.69	6.17 ± 1.22	5.00 ± 1.20	3.08 ± 0.30	4.92 ± 0.89
<b>Calorie Intake (g)</b>	8.94 ± 0.55	12.31 ± 0.75 <sup>#</sup>	12.20 ± 0.75	9.47 ± 1.11	9.89 ± 1.29

Data are expressed as mean ± S.E.M. (n=4-6) and analyzed by one-way ANOVA followed by Dunnett's test for each parameter separately. <sup>#</sup>*p* < 0.001 as compared to LFD group. HFD: High Fat Diet; LFD: Low Fat Diet; LMWGAL-TF: Low Molecular Weight Galactomannans based standardized fenugreek seeds extract. Figure in parenthesis for LMWGAL-TF indicates dose in mg/kg.