

Appendix Table2: Digestibility, feed conversion efficiency, protein efficiency ratio, serum glucose concentration, serum cholesterol, liver glycogen of rats feed on tamarind seed inclusion.

Animals	CONT ₁	CONT ₂	CONT ₃	CONT ₄	2%T ₁	2%T ₂	2%T ₃	2%T ₄	4%T ₁	4%T ₂	4%T ₃	4%T ₄	8%T ₁	8%T ₂	8%T ₃	8%T ₄
Digestibility (%) Normal rats	80.07	82.00	81.80	81.29	81.05	80.06	83.81	81.64	80.82	81.47	80.57	80.95	79.50	81.74	80.19	80.47
Digestibility (%) sucrose inclusion	77.48	76.07	77.03	76.86	78.67	78.79	78.87	78.77	77.80	77.83	77.31	77.64	79.98	82.79	78.62	80.46
Digestibility (%) SHR	80.81	75.84	76.74	79.36	77.08	77.51	76.29	76.44	73.47	80.91	77.23	78.75	78.27	77.56	78.61	77.57
FCE normal rats	26.80	31.20	23.31	27.10	13.85	5.57	17.30	12.24	13.90	29.03	25.95	22.96	9.38	33.40	27.71	23.49
FCE sucrose inclusion	5.49	6.16	5.72	5.79	10.56	6.75	6.16	7.82	9.89	13.63	10.11	11.21	14.07	9.68	8.79	10.84
FCE SHR	18.77	10.56	12.32	15.84	23.75	20.68	12.32	15.25	7.04	12.32	20.24	10.34	10.12	18.04	14.66	17.60
PER normal rats	0.19	0.16	0.22	0.19	0.37	0.93	0.30	0.53	0.38	0.18	0.20	0.25	0.56	0.15	0.19	0.30
PER sucrose Inclusion	0.95	0.85	0.91	0.90	0.49	0.77	0.84	0.70	0.53	0.38	0.52	0.47	0.37	0.54	0.59	0.50
PER SHR	0.28	0.50	0.42	0.32	0.22	0.25	0.42	0.39	0.74	0.42	0.26	0.51	0.52	0.29	0.36	0.30
Glucose (mg/dl) normal rats	39.25	64.44	21.48	41.72	28.88	73.33	26.66	42.95	53.33	56.30	37.70	49.11	30.37	37.04	25.18	30.86
Glucose(mg/dl) sucrose inclusion	195.55	100.74	102.96	133.08	113.33	211.11	151.11	158.51	310.37	165.93	274.07	250.12	109.63	125.19	100.00	111.60
Glucose (mg/dl) SHR	79.25	112.59	97.77	85.66	60.74	77.03	130.37	88.66	51.85	48.88	57.03	45.18	121.48	96.29	86.66	69.63
Cholesterol (g/l) Normal rat	0.72	0.77	0.87	0.78	0.73	0.48	0.25	0.48	0.24	0.16	0.33	0.24	0.35	0.39	0.18	0.30
Cholesterol (g/l) sucrose inclusion	0.42	0.57	0.41	0.46	1.10	0.17	0.05	0.44	0.63	0.89	0.22	0.58	0.06	0.48	0.40	0.31
Cholesterol (g/l) SHR	1.33	1.13	1.09	1.20	0.84	1.22	0.56	1.01	0.64	1.06	1.10	1.17	1.19	1.15	1.13	0.66
Liver glycogen (mg/g) normal rats	1.32	0.83	1.66	1.27	1.92	0.80	1.63	1.45	2.08	2.22	1.47	1.92	1.74	5.04	3.52	3.43
Liver glycogen(mg/g) Sucrose inclusion	0.98	1.07	1.12	1.05	3.17	1.92	0.82	1.97	3.51	1.97	1.97	2.48	2.49	2.34	1.38	2.22
Liver glycogen (mg/g) SHR	1.27	0.65	1.09	0.80	1.37	1.79	1.12	1.51	0.98	0.61	0.35	0.57	2.11	0.48	1.59	3.00