

Supplementary



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TABLE S1. Primer sequences used for the genotyping of Hepatitis B Virus

Genotype	*Primers	Sequence	Amplicon's size
A	Sense (nt 2331-2360) Anti-sense (nt 2701-2665)	5-CGGAAACTACTGTTGTTAGACGACGGG AC-3 5-AATTCCTTTGTCTAAGGGCAAATATTTAGTGTG GG-3	370
B	Sense (nt 1470-1491) Anti-sense (nt 1660-1633)	5-CCGCTTGGGGCTCTACCGCCC G-3 5-CTCTTATGCAAGACCTTGGGCAGGTTC C-3	190
C	Sense (nt 2706-2741) Anti-sense (nt 192-165)	5-CTAATGACTCTAGCTACCTGGGTGGGTGTA-3 5-AGCAGGGGTCCTAGGAATCCTGATGTT G-3	147
D	Sense (nt 2843-2870) Anti-sense (nt 2990-2966)	5-ACAGCATGGGGCAGAATCTTTCCACCA G-3 5-CCTACCTTGTTGGCGTCTGGCCAGG-3	701
E	Sense (nt 2093-2122) Anti-sense (nt 2880-2853)	5-CTAATGACTCTAGCTACCTGGGTGGGTGTA-3 5-CCATTCGAGAGGGACCGTCCAAGAAAGC-3	787
F	Sense (nt 2843-2871) Anti-sense (nt 109-83)	5-ACAGCATGGGAGCACCTCTCTCAACGACA-3 5-AGAGGCAATAGTCGGAGCAGGGTTCTG-3	481

*Provided primers were selected based on Kirschberg et al. (2004), and Yoosefi et al. (2016).

TABLE S2. Estimation of cytotoxicity of *F. mysorensis*, *F. deltoidei*, and *F. sycomorus* leaf extract on HepG2 cells and determination of (MNTC)

ID	Extract conc. (µg/mL)	Mean O.D ± ST.E	Viability %	Toxicity %	IC ₅₀
<i>F. myso.</i>	10000	0.0270.002±	3.45	96.54	147.21
	5000	0.0340.003±	4.34	95.65	
	2500	0.0850.002±	10.83	89.16	
	1250	0.130.003±	17.1	82.89	
	625	0.200.001±	25.91	74.08	
	312.5	0.290.002±	37.88	62.11	
	156.25	0.380.002±	49.05	50.94	
	78.12	0.720.002±	92.07	7.92	
<i>F. syco.</i>	10000	0.030.002±	4.50	95.49	351.81
	5000	0.0390.003±	5.01	94.98	
	2500	0.040.002±	5.43	94.56	
	1250	0.0920.004±	11.67	88.32	
	625	0.220.002±	28.61	71.38	
	312.5	0.410.002±	52.50	47.49	
	156.25	0.500.005±	63.88	36.11	
	78.12	0.740.002±	94.18	5.81	
<i>F. delto</i>	10000	0.0230.002±	2.90	97.09	262.43
	5000	0.0380.003±	4.80	95.19	
	2500	0.0470.002±	6.02	93.97	
	1250	0.0780.001±	9.94	90.05	
	625	0.180.002±	23.51	76.48	
	312.5	0.330.003±	42.30	57.69	
	156.25	0.540.002±	68.77	31.22	
	78.12	0.770.002±	97.42	2.57	

The minimum nontoxic conc (MNTC) for the tree extract: 78.12µg/mL

TABLE S3. The antiviral effect of MNTC (78.12 µg/ml) of *F. Myso*, *F. Syco* and *F. delto* on HBV samples with genotype D

Test	Dilution (µg/mL)	Mean O.D ± SD E	Viability	toxicity	Viral activity %	Anti-viral effect %
HepG2		0.716±0.002082	100	0		
HBV-D		0.111±0.003055	15.50279	84.49721	100	0
<i>F. myso.</i>	78.12	0.64±0.001	89.85	10.14	12.01	87.98
	39.1	0.41±0.002	58.47	41.52	49.14	50.85
	19.5	0.22±0.002	31.09	68.90	81.54	18.45
	9.8	0.10±0.001	14.52	85.47	100	No effect
	4.9	0.067±0.003	9.45	90.54	100	No effect
	2.44	0.038±0.002	5.30	94.69	100	No effect
	1.22	0.018±0.002	2.56	97.43	100	No effect
	0.61	0.019±0.001	2.74	97.25	100	No effect
<i>F. syco.</i>	78.12	0.69±0.002	96.83	3.16	3.74	96.25
	39.1	0.57±0.002	80.95	19.04	22.53	77.46
	19.5	0.44±0.002	62.75	37.24	44.07	55.92
	9.8	0.23±0.002	32.96	67.03	79.33	20.66
	4.9	0.11±0.002	16.43	83.56	98.89	1.10
	2.44	0.062±0.002	8.65	91.34	100	No effect
	1.22	0.024±0.001	3.39	96.60	100	No effect
	0.61	0.025±0.002	3.53	96.46	100	No effect
<i>F. delto</i>	78.12	0.62±0.002	87.05	12.94	15.31	84.68
	39.1	0.55±0.003	77.18	22.81	26.99	73.002
	19.5	0.47±0.001	66.71	33.28	39.39	60.60
	9.8	0.30±0.003	42.22	57.77	68.37	31.62
	4.9	0.11±0.002	15.59	84.40	99.88	0.11
	2.44	0.029±0.001	4.14	95.85	100	No effect
	1.22	0.034±0.002	4.74	95.25	100	No effect
	0.61	0.026±0.001	3.72	96.27	100	No effect

TABLE S4. The antiviral effect of MNTC (78.12µg/mL) of F. Myso, F. Syco and F. delto on HBV samples with genotype C

Test	µg/ml	Mean O.D ± SD	Viability	Toxicity	Viral activity %	Anti-viral effect %
HepG2		0.716±0.002	100	0		
HBV-C		0.123±0.001	17.17877	82.82123	100	0
<i>F. myso.</i>	78.12	0.70±0.002	98.64	1.35	1.63	98.36
	39.1	0.61±0.002	86.12	13.87	16.75	83.24
	19.5	0.49±0.002	68.48	31.51	38.05	61.94
	9.8	0.33±0.003	47.20	52.79	63.74	36.25
	4.9	0.17±0.003	24.25	75.74	91.45	8.54
	2.44	0.053±0.001	7.40	92.59	100	No effect
	1.22	0.023±0.002	3.30	96.69	100	No effect
	0.61	0.021±0.002	3.02	96.97	100	No effect
<i>F. syco.</i>	78.12	0.71±0.001	99.48	0.51	0.61	99.38
	39.1	0.50±0.003	70.25	29.74	35.91	64.08
	19.5	0.38±0.001	53.95	46.04	55.59	44.40
	9.8	0.21±0.004	29.32	70.67	85.32	14.67
	4.9	0.11±0.0008	15.68	84.31	100	No effect
	2.44	0.06±0.003	8.70	91.29	100	No effect
	1.22	0.03±0.003	5.40	94.59	100	No effect
	0.61	0.03±0.002	5.26	94.73	100	No effect
<i>F. delto</i>	78.12	0.61±0.0017	85.89	14.10	17.03	82.96
	39.1	0.53±0.0017	74.58	25.41	30.69	69.30
	19.5	0.41±0.0017	57.68	42.31	51.09	48.90
	9.8	0.32±0.003	45.94	54.05	65.26	34.73
	4.9	0.21±0.002	29.88	70.11	84.65	15.34
	2.44	0.09±0.002	13.59	86.40	100	No effect
	1.22	0.02±0.002	3.30	96.69	100	No effect
	0.61	0.02±0.002	3.72	96.27	100	No effect