Figure S1. Cytotoxic effects of plant extracts in MC3 cells. The cells were treated with 49 plant extracts at 20 μg/ml for 48 h to examine the cytotoxicity on MC3 cells. Bar graphs represent the mean ± SD of triplicate experiments. $^{*}P<0.05$.

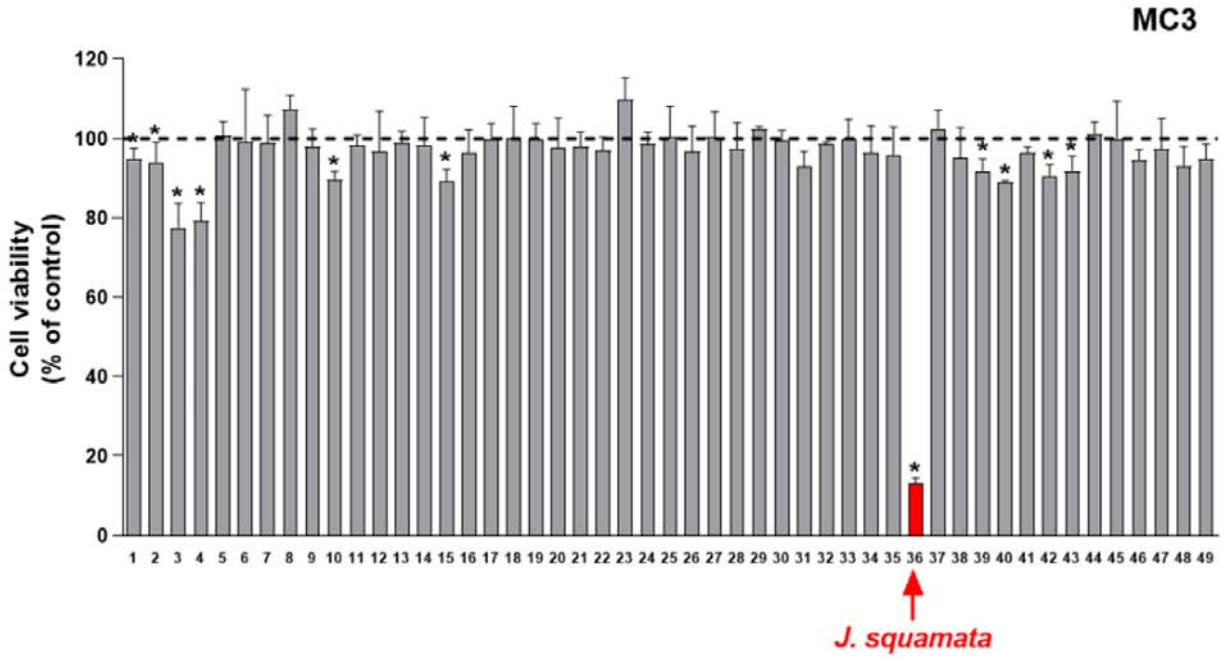

Figure S2. EEJS induces mitotic catastrophe, leading to apoptosis induction in other human oral cancer cell lines, HN22 and SCC-9. (A) HN22 and SCC-9 cells were treated with DMSO or 4 μg/ml EEJS for 24 h, after which cell viability was measured using a CCK-8 assay. (B) Representative images of PCM in the absence or presence of EEJS. The white arrows indicate multinucleated cells. (C) Immunofluorescence staining of α-tubulin (magnification, x400). The white arrows indicate multinucleated cells. Scale bar, 20 μm. (D) Western blot analysis reveals the expression levels of the indicated proteins. β-actin was used as a loading control. The results are shown as the mean ± SD of three independent experiments. $^{*}P<0.05$.

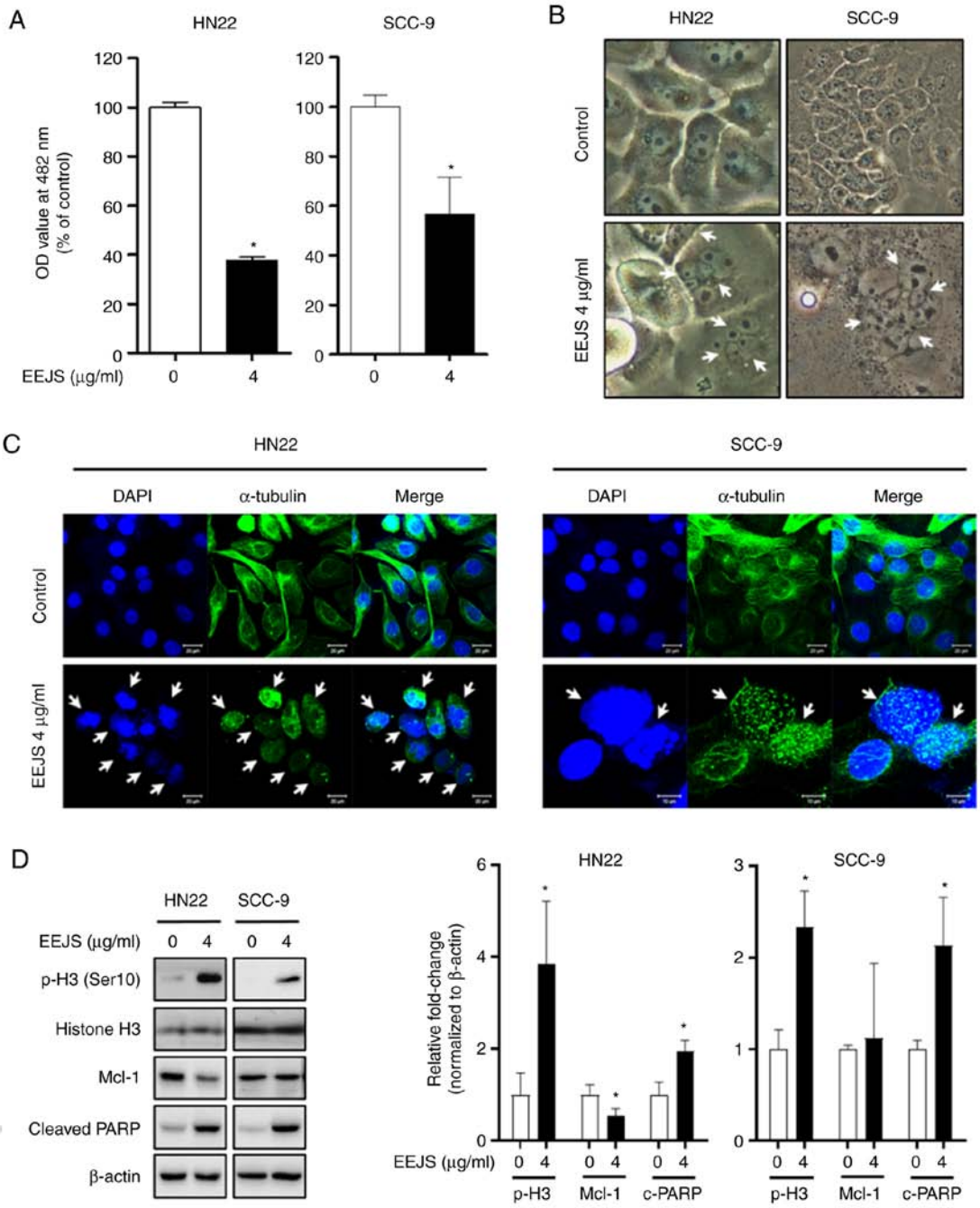

Figure S3. EEJS facilitates G_2/M arrest in HSC-3 cells. The induction of G_2/M phase arrest in HSC-3 cells treated with EEJS was measured by a FACS analysis as described in Materials and methods. All bar graphs represent the mean ± SD of three independent experiments. $^{*}P<0.05$.

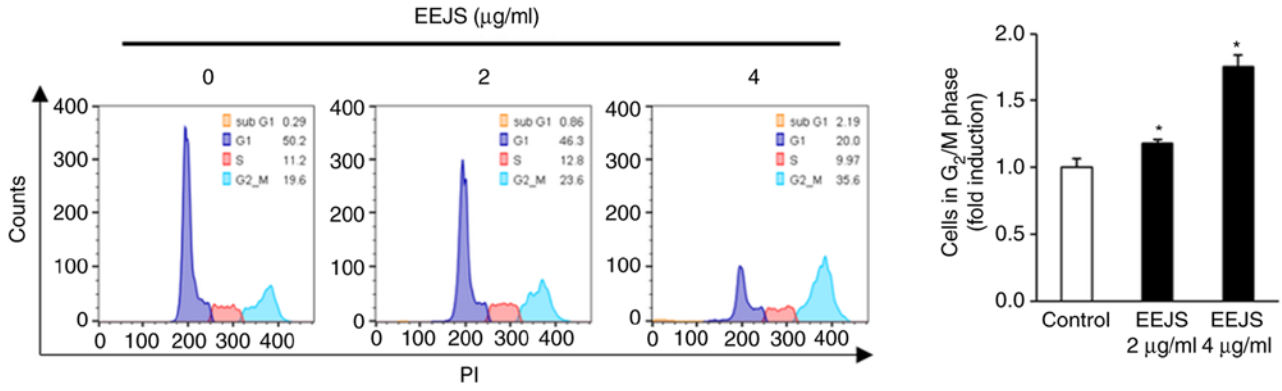

Table SI. *In vitro* screening for cytotoxicity of plant extracts in the MC3 cell line.

No.	Name	Family	Viability (%)
1	*Ficus oligodon Miq.*	Moraceae	94.93
2	*Malpighia glabra L.*	Malpighiaceae	94.08
3	*Schefflera elegantissima (Veitch ex Mast.) Lowry and Frodin*	Araliaceae	77.59
4	*Syzygium malaccense (L.) Merr. and L.M. Perry*	Rosaceae	79.28
5	*Acer prolificum W.P. Fang and M.Y. Fang*	Aceraceae	100.74
6	*Dipterocarpus tuberculatus Roxb.*	Dipterocarpaceae	99.26
7	*Terminalia argyrophylla King and Prain*	Combretaceae	98.77
8	*Sida cordifolia L.*	Malvaceae	107.37
9	*Glochidion sphaerogynum (Mull. Arg.) Kurz*	Phyllanthaceae	98.03
10	*Glochidion sphaerogynum (Mull. Arg.) Kurz*	Myrtaceae	89.68
11	*Erythroxylum coca Lam.*	Erythroxylaceae	98.28
12	*Citrus medica var. sarcodactylis (Hoola van Nooten) Swingle*	Rutaceae	96.81
13	*Syzygium odoratum (Lour.) DC.*	Rutaceae	98.77
14	*Smilacina henryi (Baker) H.Hara*	Asparagaceae	98.28
15	*Callistemon citrinus (Curtis) Skeels*	Myrtaceae	89.19
16	*Phaeanthus saccopetaloides W. T. Wang*	Annonaceae	96.56
17	*Rubus pirifolius var. cordatus T.T. Yu and L.T. Lu*	Rosaceae	99.75
18	*Rhodiola fastigiata (Hook. f. and Thomson) S.H. Fu*	Crassulaceae	100.25
19	*Pueraria edulis Pamp.*	Fabaceae	99.75
20	*Rhododendron telmateium Balf. F. and W.W. Sm.*	Ericaceae	97.54
21	*Dysoxylum mollissimum Blume*	Meliaceae	98.03
22	*Acacia farnesiana (L.)Willd.*	Fabaceae	97.00
23	*Olea europaea L.*	Oleaceae	109.81
24	*Orophea hainanensis Merr.*	Annonaceae	98.64
25	*Sida alnifolia var. obovata (Wall. Ex Mast.) S.Y. Hu*	Malvaceae	100.54
26	*Piptanthus nepalensis (Hook.) Sweet*	Fabaceae	96.73
27	*Claoxylon subsessiliflorum Croizat*	Euphorbiaceae	100.54
28	*Ilex polyneura (Hand.-Mazz.) S.Y. Hu*	Aquifoliaceae	97.28
29	*Turnera ulmifolia L.*	Turneraceae	102.45
30	*Livistona chinensis (Jacq.) R.Br. ex Mart.*	Arecaceae	99.46
31	*Vitex glabrata R. Br.*	Verbenaceae	92.92
32	*Duranta repens L.*	Verbenaceae	98.64
33	*Trichosanthes cucumerina L.*	Cucurbitaceae	100.00
34	*Lindernia montana (Blume) Koord.*	Scrophulariaceae	96.46
35	*Piper mullesua Buch.-Ham. ex D. Don*	Piperaceae	95.91
36	*Sabina squamata cv. Meyeri*	Cupressaceae	13.101
37	*Callicarpa bodinieri var. iteophylla C.Y. Wu*	Lamiaceae	102.45
38	*Polygonum barbatum L.*	Polygonaceae	95.10
39	*Ligustrum delavayanum Har.*	Oleaceae	91.87
40	*Pleurospermum astrantioideum (H. Boissieu) K.T. Fu and Y.C. Ho*	Apiaceae	88.92
41	*Swertia yunnanensis Burkill*	Gentianaceae	96.31
42	*Lonicera hispida Pall. Ex Roem. and Schult.*	Caprifoliaceae	90.64
43	*Rhododendron rupicola var. chryseum (Balf. F. and Kingdon-Ward) Philipson and M.N. Philipson*	Ericaceae	91.63
44	*Caltha palustris L.*	Ranunculaceae	101.23
45	*Primula secundiflora Franch.*	Primulaceae	100.00
46	*Amomum villosum var. xanthioides (Wall. ex Baker) T.L. Wu and S.J. Chen*	Zingiberaceae	94.58
47	*Picris divaricata Vaniot*	Asteraceae	97.29
48	*Cardamine tangutorum O.E. Schulz*	Brassicaceae	93.10
49	*Rhodomyrtus tomentosa (Aiton) Hassk.Rhodomyrtus tomentosa (Aiton) Hassk.*	Myrtaceae	94.83