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(71) Applicant: HYPHA HOLDINGS PTE LTD [SG/SG];
302 Orchard Road, #12-02 Tong Building, Singapore
238862 (SG).

(72) Inventors: SIEW LEE, Chan; 40C Nassim Road,
Singapore 258428 (SG). P. WASSER, Solomon; 19/80
Hashikma Street, 36182 Nesher (IL).

(74) Agent: SAMUEL SEOW LAW CORPORATION; 541
Orchard Road, #18-01 Liat Towers, Singapore 238881
(SG).

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(54) Title: NEW GANODERMA TSUGAE VAR. JANNIEAE STRAIN TAY-1 AND BIOLOGICALLY ACTIVE BIOMASS AND EXTRACTS THEREFROM

(57) Abstract: A new and distinct variety of higher Basidiomycetes medicinal mushroom *Ganoderma tsugae* var. *jannieae* strain Tay-1 deposited under The Budapest Treaty with the Centralbureau voor Schimmelcultures (CBS) under Accession No. CBS 120394 is provided. Also provided are biomass and extracts of said mushroom rich in nutraceutical agents and biologically active compounds including proteins rich in essential amino acids and carbohydrates, vitamins, lipids rich in essential fatty acids, antioxidant agents, minerals, and melanin. The biomass and extracts are obtained from the fruiting bodies or the mycelial biomass, preferably a pure submerged mycelial culture. Compositions comprising biomass or extract are formulated into food products, beverages and cosmetic products, and may be used in therapy of NF-κB-dependent diseases.

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