

**Table S1.** Predicted nucleotide composition among tetrahydrocannabinolic acid (THCA) and Cannabidiolic acid (CBDA) synthase using BioEdit software.

<b>Accession</b>		<b>MW382908.1</b>	<b>MW429550.1</b>
Gene		Tetrahydrocannabinolic acid synthase	Cannabidiolic acid synthase
Length (bp)		1638	1635
SSMW		495687	495101
DSMW		992139	990612
Nucleotide	A	534	522
	C	282	296
	G	323	325
	T	499	492
G+C content		36.94	37.98
A+T content		63.06	62.02

Note: SSMW: Single strand molecular weight; DSMW: Double strand molecular weight; bp: Base pair.