

図 1. 分析試料

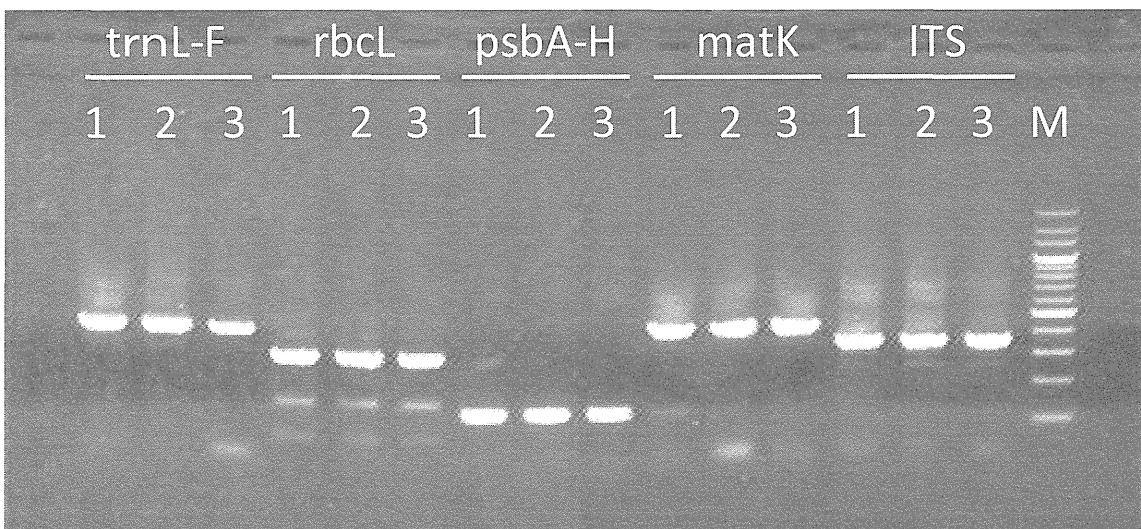


図 2. PCR 産物の電気泳動図

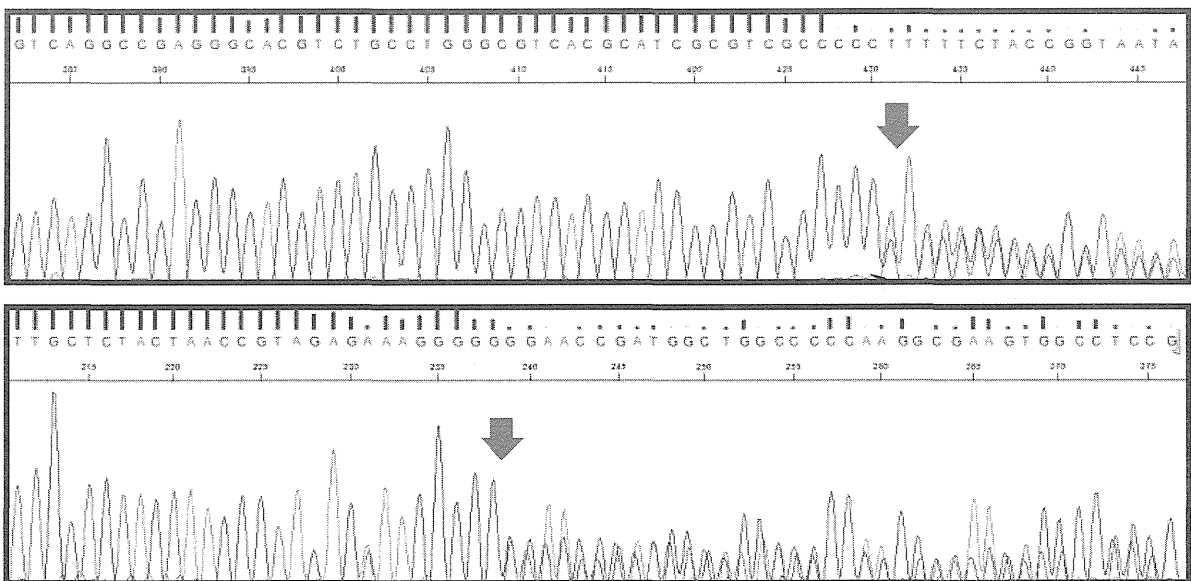


図 3. ITS 領域の塩基配列解析図

上：forward primer, 下：reverse primer による解析。
矢印 (↓) 部分からピークの重なりが見られる。

研究成果の刊行に関する一覧表

	発表者氏名	論文タイトル名	発表誌名	巻, 号	ページ	出版年
1	Kikura-Hanajiri R., Uchiyama N., Kawamura M., Goda Y.	Changes in the prevalence of new psychoactive substances before and after the introduction of the generic scheduling of synthetic cannabinoids in Japan.	<i>Drug Test. Anal.</i>	6(7-8)	832-839	2014
2	花尻(木倉)瑠理	海外の脱法ドラッグ事情と日本における流通実態	警察学論集	67(12)	129-148	2014
3	花尻(木倉)瑠理, 内山奈穂子	「薬毒物情報インデックス」鈴木修, 大野洋吉, 須崎伸一郎, 花尻(木倉)瑠理監修	日本医事新報社		537-716	2014
4	Uchiyama N., Shimokawa Y., Kawamura M., Kikura-Hanajiri R., Hakamatsuka T.	Chemical analysis of a benzofuran derivative, 2-(2-Ethylaminopropyl)benzofuran (2-EAPB), eight synthetic cannabinoids, five cathinone derivatives and five other designer drugs newly detected in illegal products.	<i>Forensic Toxicol.</i>	32(2)	266-281	2014
5	Takayama T., Suzuki M., Inoue K., Todoroki K., Min J. Z., Kikura-Hanajiri R., Goda Y., Toyooka T.	UPLC-ESI-MS/MS based determination of metabolism of several new designated substances, ADB-FUBINACA, AB-FUBINACA, AB-PINACA, QUPIC, 5F-QUPIC and α -PVT, by human liver microsome.	<i>Biomed. Chromatogr.</i>	28(6)	831-838	2014
6	Shigemoto-Mogami Y., Hoshikawa K., Goldman JE., Sekino Y., Sato K.	Microglia enhance neurogenesis and oligodendrogenesis in the early postnatal subventricular zone.	<i>J. Neurosci.</i>	34(5)	2231-2243	2014
7	Irie T., Matsuzaki Y., Sekino Y., Hirai H.	Kv3.3 channels harboring a mutation of spinocerebellar ataxia type 13 alter excitability and induce cell death in cultured cerebellar Purkinje cells.	<i>J. Physiol.</i>	592(Pt1)	229-247	2014
8	Kikura-Hanajiri R.	The detection of mitragynine and its analogs. Edited by Raffa, Robert B, Kratom and Other Mitragynines			153-165	2015
9	花尻(木倉)瑠理	危険ドラッグの規制と流通実態について	薬剤学	75(2)	121-127	2015
10	花尻(木倉)瑠理	危険ドラッグの流通実態の把握と流通予測	公衆衛生	79(4)	255-258	2015
11	Uchiyama N., Shimokawa Y., Kikura-Hanajiri R., Demizu Y., Goda Y., Hakamatsuka T.	A synthetic cannabinoid FDU-NNEI, two 2H-indazole isomers of synthetic cannabinoids AB-CHMINACA and NNEI indazole analog (MN-18), a phenethylamine derivative N-OH-EDMA, and a cathinone derivative dimethoxy- α -PHP, newly identified in illegal products	<i>Forensic Toxicol.</i>	Online available	DOI 10.1007/s11419-015-0268-7	2015

	発表者氏名	論文タイトル名	発表誌名	巻, 号	ページ	出版年
12	Fujieda T., Koganezawa N., Ide Y., Shirao T., Sekino Y.	An inhibitory pathway controlling the gating mechanism of the mouse lateral amygdala revealed by voltage-sensitive dye imaging	<i>Neurosci. Lett.</i>	590	126-131	2015
13	Fujimori K., Takaki J., Miura M., Shigemoto-Mogami Y., Sekino Y., Suzuki T., Sato K.	Paroxetine prevented the down-regulation of astrocytic L-Glu transporters in neuroinflammation	<i>J. Pharamcol. Sci.</i>	127(1)	145-149	2015
14	Fuchigami Y., Fu X., Ikeda R., Kawakami S., Wada M., Kikura-Hanajiri R., Kuroda N., Nakashima K.	Evaluation of the neurochemical effects of methoxetamine using brain microdialysis in mice	<i>Forensic Toxicol.</i>	in press	DOI 10.1007/s1 1419-015- 0267-8	2015
15	Irie T., Kikura-Hanajiri R., Usami M., Uchiyama N., Goda Y., Sekino Y.	MAM-2201, a synthetic cannabinoid drug of abuse, suppresses the synaptic input to cerebellar Purkinje cells via activation of presynaptic CB1 receptors	<i>Neuropharmacology.</i>	in press		2015

