表１　最終体重、肝重量および２−**AAF** の摂取量

Group		Patial hepatectomy	Treatment	2-AFF intake (mg/kg bw/day)	Final body weight (g)	Liver weight	
						Absolute (g)	Relative(%)
1	gpt delta	+	DEN	0	270 ± 17	7.4 ± 0.8	2.8 ± 0.3
2	gpt delta	+	DEN+2-AAF	15.0 ± 0.8	248 ± 18*	8.3 ± 0.9*	3.3 ± 0.4*
3	F344	+	DEN	0	280 ± 10	7.3 ± 0.5	2.6 ± 0.2
4	F344	+	DEN+2-AAF	13.9 ± 0.7	264 ± 12*	8.8 ± 1.1*	3.4 ± 0.4*
5	gpt delta	-	Non-treatment	0	278 ± 18	8.0 ± 0.5	2.9 ± 0.1
6	gpt delta	-	2-AAF	16 .3 ± 0.3	271 ± 7	8.6 ± 1.1	3.2 ± 0.2

*significantly different DEN alone group

表２　肝臓における *gpt* assay の結果（点突然変異の頻度）

Treatment	Animal ID	Total number of colonies	Number of 6TGr mutants	Mutant frequency ($\times 10^{-6}$)	Average mutant frequency ($\times 10^{-6}$)
Non-treatment	511	738,000	12	16.3	11.4 ± 2.8
	512	216,000	2	9.3	
	513	646,000	7	10.8	
	521	489,000	5	10.2	
	522	283,000	3	10.6	
50 ppm 2-AAF	611	131,000	16	122.1	67.9 ± 35.6 **
	612	622,000	51	82	
	613	200,000	7	35	
	621	712,000	43	60.4	
	622	651,000	26	39.9	

*** significantly different from Non-treatment group**

表3　肝臓における *Spi⁻ assay* の結果（欠失変異の頻度）

Treatment	Animal ID	Total number of plaques	Number of Spi^- mutants	Mutant frequency ($\times 10^{-6}$)	Average mutant frequency ($\times 10^{-6}$)
Non-treatment	511	852,600	7	8.2	9.6 ± 5.9
	512	527,000	8	15.2	
	513	986,400	1	1	
	521	364,500	5	13.7	
	522	615,250	9	14.6	
50 ppm 2-AAF	611	270,000	25	92.6	79.7 ± 22.9**
	612	300,625	18	59.9	
	613	360,100	27	75	
	621	346,800	19	54.8	
	622	119,250	14	117.4	

*** significantly different from Non-treatment group**

表４　マウスおよびハムスターの生存率、最終体重および肝臓重量

	Treatment	Initial no. of animal	Final no. of animal	Final body weight (g)	Absolute liver weight (g)	Relative liver weight (%)
B6C3F1 mice						
	Control	**5**	**5**	**28.2 ± 1.5**	**1.20 ± 0.12**	**4.25 ± 0.25**
	DCM	**5**	**5**	**27.9 ± 0.5**	**1.17 ± 0.02**	**4.17 ± 0.12**
	DCP	**5**	**4[a]**	**27.3 ± 1.9**	**1.23 ± 0.05**	**4.53 ± 0.51**
Hamster						
	Control	**5**	**5**	**119.9 ± 7.2**	**5.24 ± 0.19**	**4.37 ± 0.14**
	DCM	**5**	**5**	**125.0 ± 4.7**	**5.45 ± 0.31**	**4.36 ± 0.21**
	DCP	**5**	**4[b]**	**106.6 ± 5.5***	**5.19 ± 0.96**	**4.91 ± 1.17**

[a] one mouse died at day 2

[b] one hamster died at day 3

*** significantly different from contol hamster group**

表５　マウスおよびハムスターの肝臓における病理学的所見と GSTT1 の発現

	Treatment	No. of animal	Centrilobular necrosis	Expression of GSTT1		
				Hepatocyte		Bile duct epithelial
				Centrilobular	Periportal	
B6C3F1 mouse						
	Control	**5**	**0**	+	+++	+++
	DCM	**5**	**0**	+	++/+++	+++
	DCP	**5**	**4 (80%)**	+	++	+++
Hamster						
	Control	**5**	**0**	+	+	-
	DCM	**5**	**0**	+	+	-
	DCP	**5**	**5 (100%)**	+/++	++/+++	-

-: negtive; +: weak; ++: moderate; +++: strong