

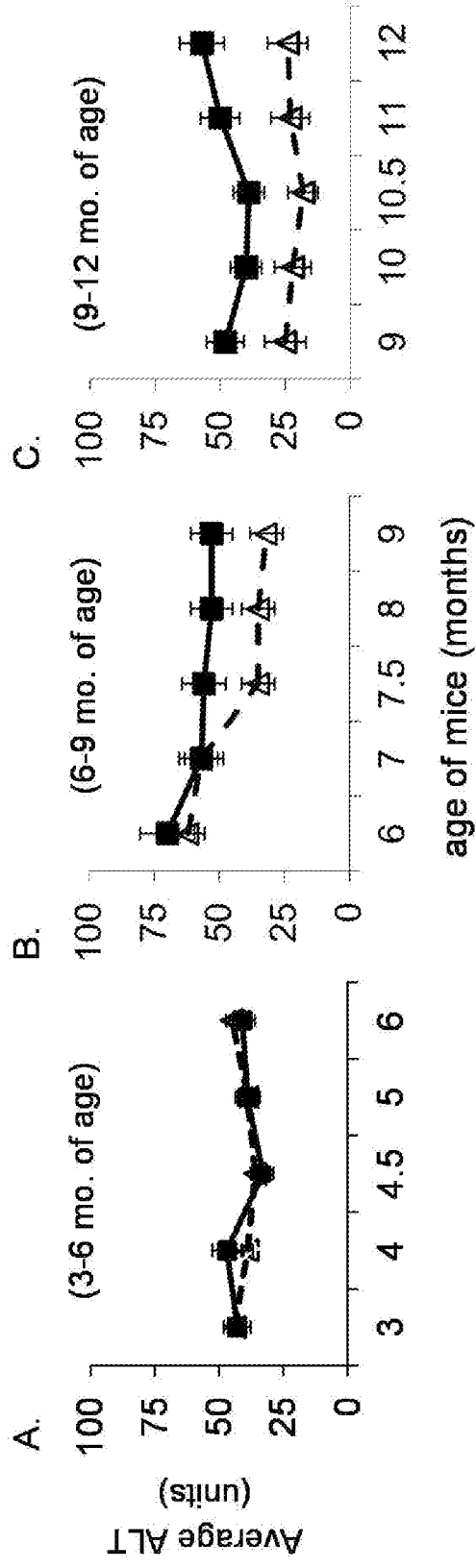


Figure 1A – 1C

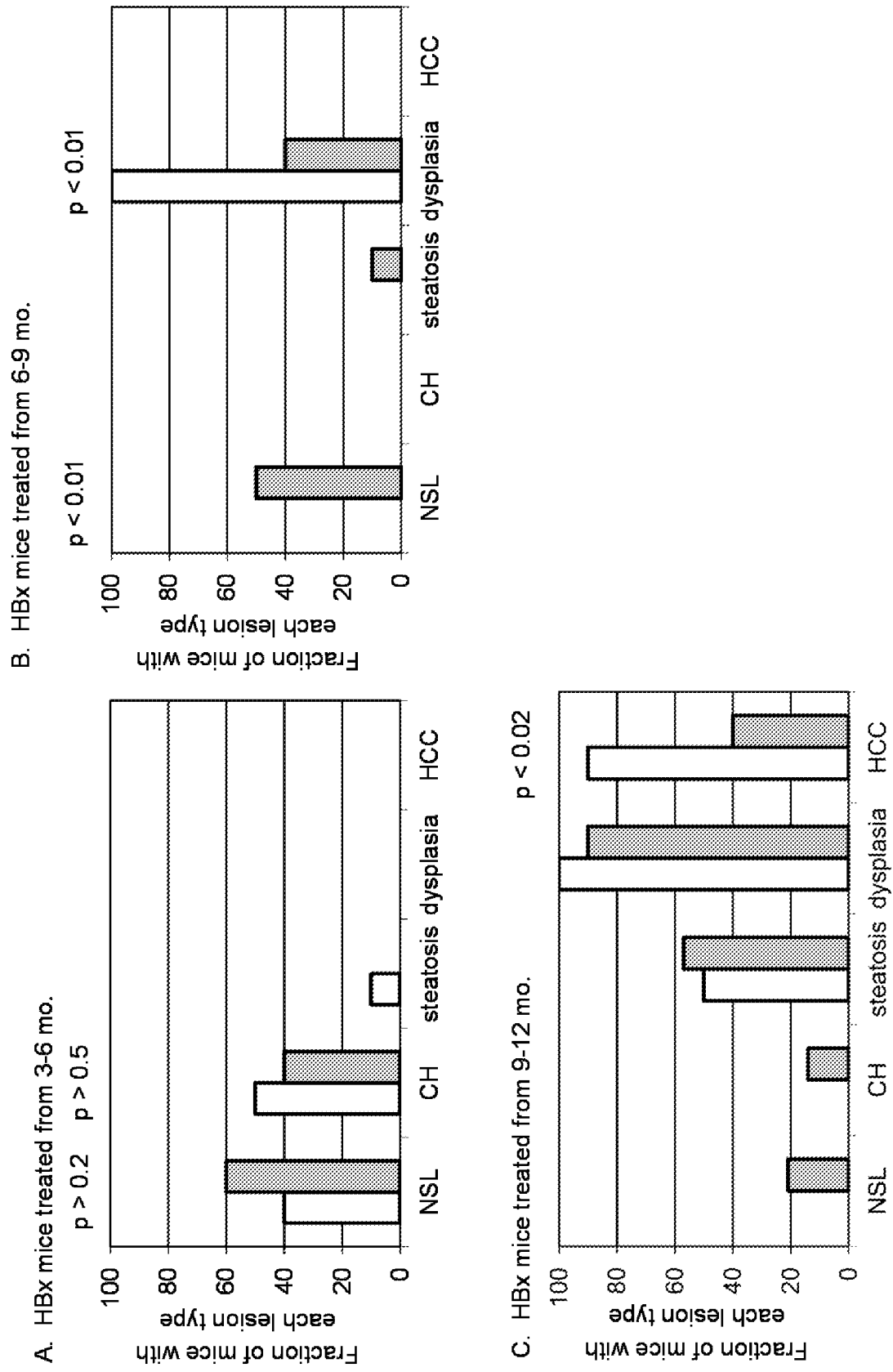


Figure 2A – 2C

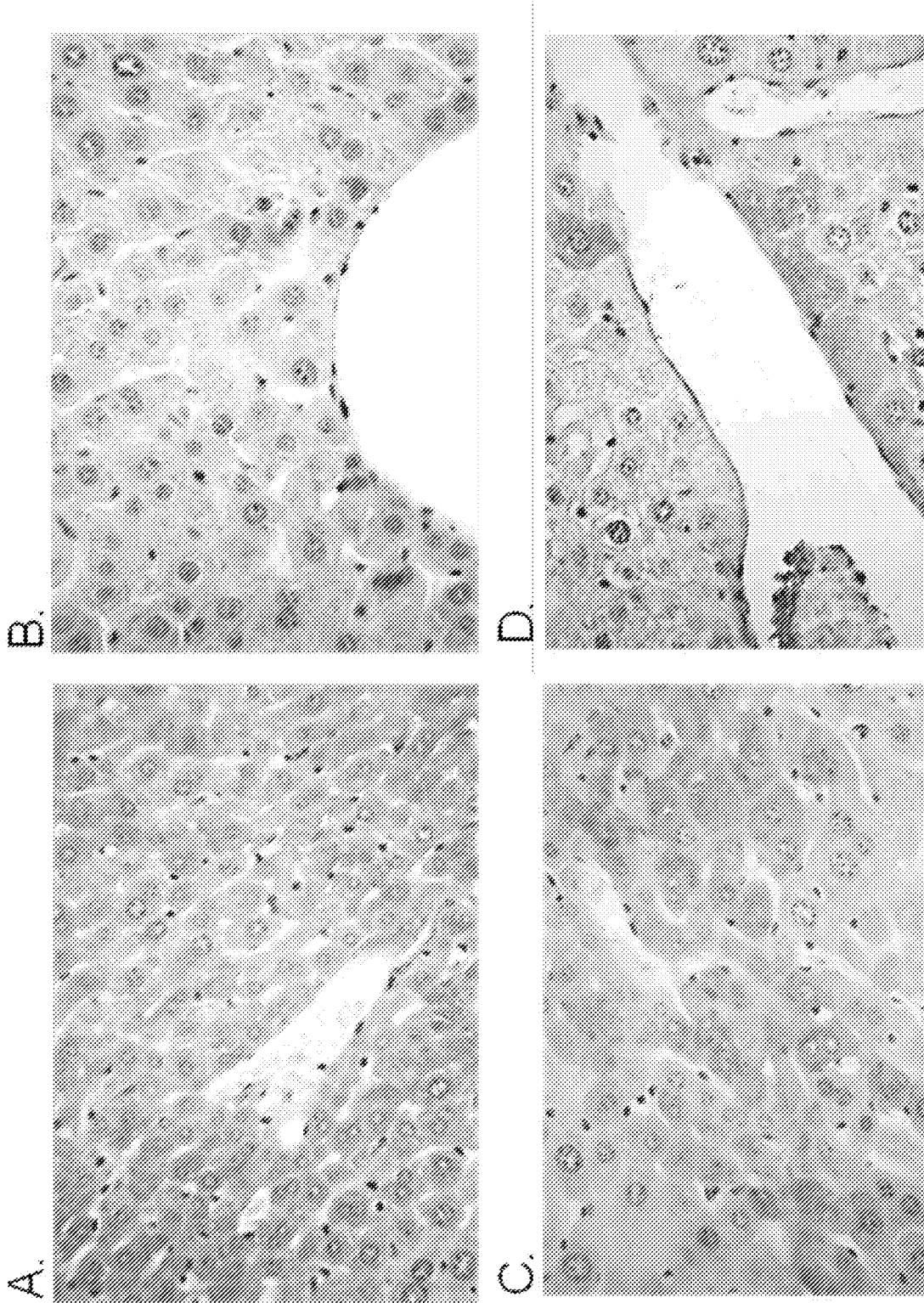


Figure 3A – 3D

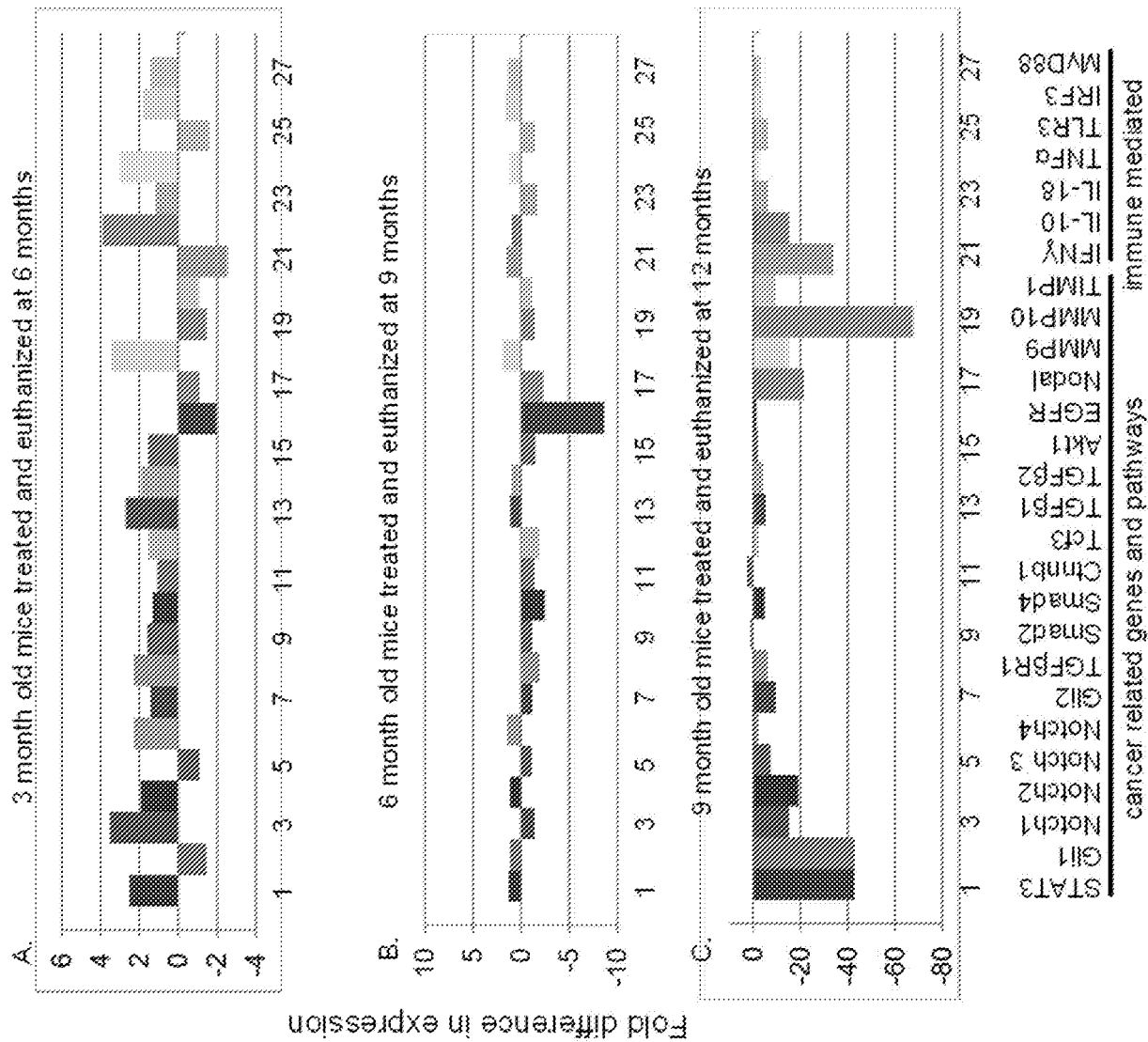
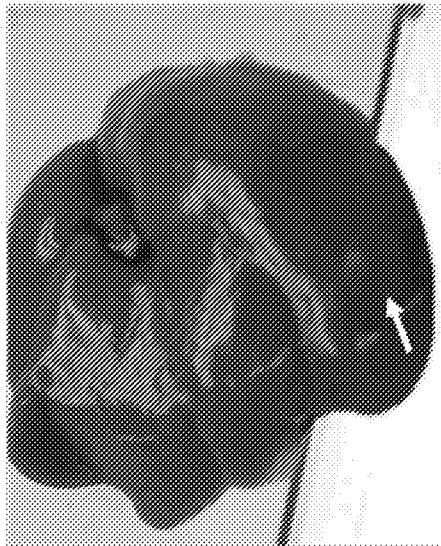
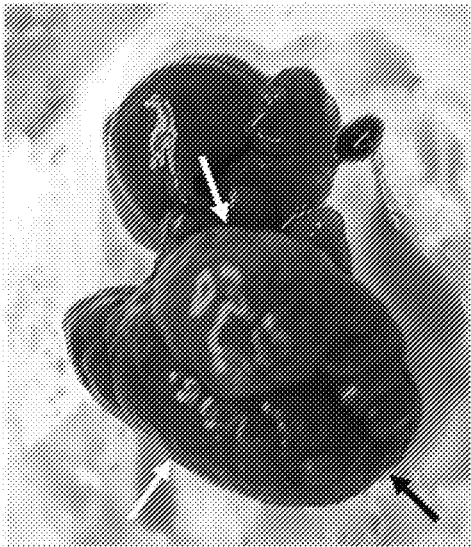


Figure 4

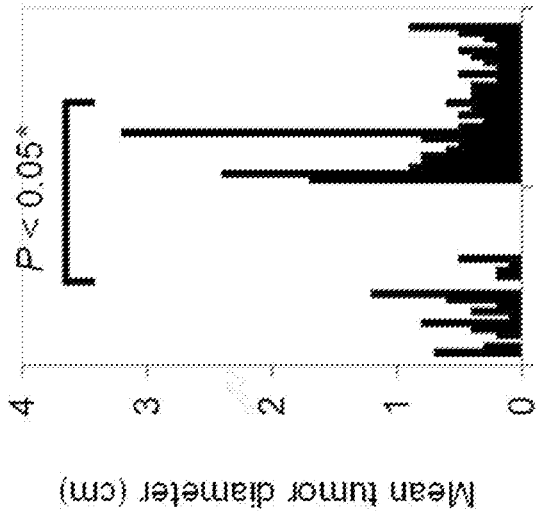
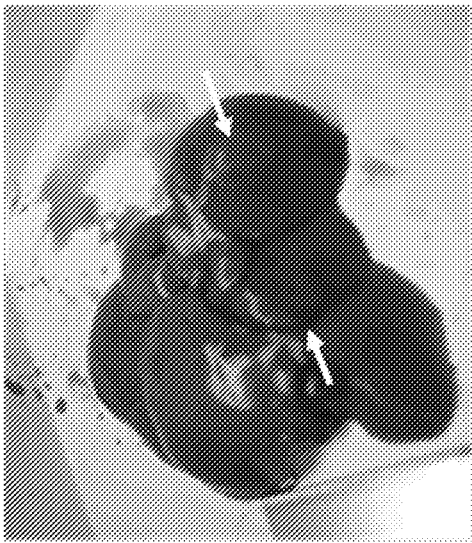
D



A



B



SCFA	+	-
no. of tumors	14	31
no. of mice/ group	12	9
no. of tumors/ mouse	1.16	3.44
average tumor diameter ^a	0.31	0.66

Figure 5A – 5D

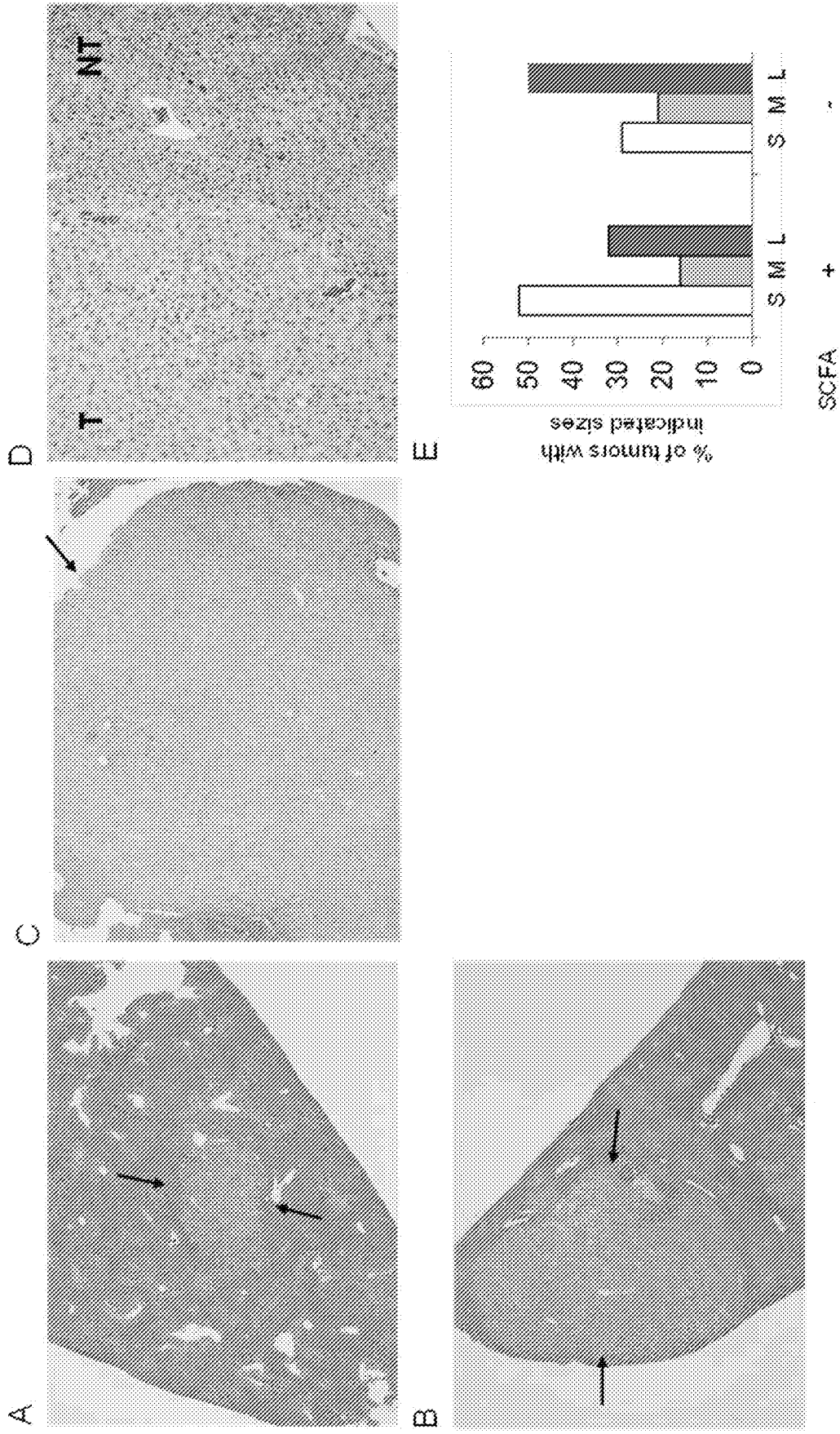


Figure 6A – 6E

Liver pathology in HBx mice treated with Symbiotic 2000 from mo. 3-6.

PBS			Symbiotic 2000								
mouse	NSL	CH	stea-	dys-	HCC	mouse	NSL	CH	stea-	dys-	HCC
no.			tosis	plasia		no.			tosis	plasia	
668	+	-	-	-	-	687	+	-	-	-	-
673	+	-	-	-	-	688	+	-	-	-	-
669	-	+	-	-	-	657	+	-	-	-	-
671	-	+	-	-	-	659	+	-	-	-	-
675	-	+	-	-	-	672	+	-	-	-	-
708	-	+	-	-	-	676	-	+	-	-	-
712	-	+	-	-	-	684	+	-	-	-	-
713	+	-	-	-	-	693	-	+	-	-	-
714	-	-	+	-	-	701	-	+	-	-	-
715	+	-	-	-	-	704	-	+	-	-	-
totals	4	5	1	0	0		6	4	0	0	0
%:	40	50	10	0	0		60	40	0	0	0

NSL = no significant lesions, CH = chronic hepatitis, Steatosis = fatty liver, dysplasia = islands or nodules of dysplastic cells (large nuclear:cytoplasmic ratio), HCC = hepatocellular carcinoma.

Figure 7

Liver pathology in HBx mice treated with Symbiotic 2000 from mo. 6-9.

PBS		Symbiotic 2000									
mouse no.	NSL	CH	stea-	dys-	HCC	mouse no.	NSL	CH	stea-	dys-	HCC
			tosis	plasia					tosis	plasia	
475	-	-	-	+	-	617	-	-	-	+	-
476	-	-	-	+	-	627	+	-	-	-	-
477	-	-	-	+	-	637	-	-	-	+	-
479	-	-	-	+	-	652	-	-	-	+	-
480	-	-	-	+	-	653	+	-	-	-	-
481	-	-	-	+	-	621	+	-	-	-	-
482	-	-	-	+	-	629	+	-	-	-	-
483	-	-	-	+	-	630	-	-	+	-	-
484	-	-	-	+	-	631	+	-	-	-	-
485	-	-	-	+	-	647	-	-	-	+	-
totals	0	0	0	10	0		5	0	1	4	0
%:	0	0	0	100	0		50	0	10	40	0

For abbreviations, please see the key to Figure 7.

Figure 8

Liver pathology in HEx mice treated with Symbiotic 2000 from mo. 9-12											
PBS						Symbiotic2000					
mouse	NSL	CH	stea-	dys-	HCC	mouse	NSL	CH	stea-	dys-	HCC
no.			tosis	plasia		no.			tosis	plasia	
304	-	-	+	+	+	414	-	-	+	+	-
319	-	-	-	+	+	360	-	-	+	+	-
290	-	-	-	+	-	336	-	-	-	+	-
326	-	-	-	+	+	287	-	+	+	+	+
374	-	-	-	+	+	364	-	-	+	+	+
344	-	-	+	+	+	325	-	-	+	+	+
285	-	-	+	+	+	327	-	+	+	-	-
289	-	-	-	+	+	397	-	-	-	+	+
308	-	-	+	+	+	331	-	-	-	+	-
363	-	-	+	+	+	371	-	-	+	+	-
totals	0	0	5	10	9		0	2	8	9	4
%:	0	0	50	100	90		0	20	80	90	40

For abbreviations, please see the key to Figure 7.

The asterisk (*) refers to samples with multiple and/or large nodules of dysplasia or HCC.

Figure 9

Intrahepatic HBx staining in Symbiotic 2000 treated and control mice			
	% positive (mice)	intensity of staining	tissue distribution
3 mo. old mice			
+ Symbiotic 2000	46	- → +	mostly scattered
- Symbiotic 2000	60	+ → ++	scattered/lobular
6 mo. old mice			
+ Symbiotic 2000	59	+ → ++	scattered
- Symbiotic 2000	82	++	lobular
9 mo. old mice			
+ Symbiotic 2000	66	+ → ++	lobular
- Symbiotic 2000	100	++ → +++	lobular → diffuse

Presence, frequency and distribution of HBx in the livers of HBx transgenic mice fed Symbiotic 2000 (+ Symbiotic 2000) or PBS (- Symbiotic 2000).

Figure 10