Appendix A *gpt* Mutant frequencies in the lung of *gpt* delta rats treated with Ni_3S_2 by intratracheal administration and liver treated with ENU (positive control)..

Lab. A

Treatment	Smpling time[1)]	Animal No.	Organ	Number of packagings	Total Population	Number of mutants	Mutant frequency (x 10^{-6}) Mean ± SD
0 mg/animal x 4	28 days	1001	lung	2	648,000	0	0.00
		1002	lung	2	219,000	1	4.57
		1003	lung	2	1,065,000	1	0.94
		1004	lung	2	783,000	1	1.28
		1005	lung	2	726,000	1	1.38 1.63 ± 1.73
0.5 mg/animal x 4	28 days	1101	lung	1	576,000	0	0.00
		1102	lung	1	453,000	0	0.00
		1103	lung	1	453,000	1	2.21
		1104	lung	1	405,000	1	2.47
		1105	lung	1	720,000	1	1.39 1.21 ± 1.18
1 mg/animal x 4	28 days	1201	lung	1	609,000	1	1.64
		1202	lung	1	501,000	1	2.00
		1203	lung	1	585,000	1	1.71
		1204	lung	1	426,000	0	0.00
		1205	lung	1	1,206,000	2	1.66 1.40 ± 0.80
0 mg/animal x 4	90 days	1011	lung	2	852,000	5	5.87
		1012	lung	2	813,000	3	3.69
		1013	lung	2	963,000	4	4.15
		1014	lung	2	1,560,000	7	4.49
		1015	lung	2	1,833,000	7	3.82 4.40 ± 0.88
0.5 mg/animal x 4	90 days	1111	lung	1	420,000	2	4.76
		1112	lung	1	486,000	0	0.00
		1113	lung	1	870,000	2	2.30
		1114	lung	1	405,000	1	2.47
		1115	lung	1	1,059,000	1	0.94 2.09 ± 1.80
1 mg/animal x 4	90 days	1211	lung	1	615,000	1	1.63
		1212	lung	1	669,000	2	2.99
		1213	lung	1	264,000	2	7.58
		1214	lung	1	684,000	2	2.92
		1215	lung	1	690,000	1	1.45 3.31 ± 2.49
ENU 50 mg/kg x 5	31 days	51	liver	3	771,000	37	47.99
		52	liver	3	930,000	29	31.18
		53	liver	3	744,000	27	36.29
		54	liver	3	891,000	31	34.79
		55	liver	3	462,000	32	69.26 43.90 ± 15.51