



**Figure S1.** Bodyweight changes in female non-human primates after IVT administration of Pol-ySia-NPs recorded for 28 days (A) and from day 35 to day 42 (B).

**Table S1.** Assessment for abnormal clinical signs and weight changes in the micronucleus assay. Summary of clinical signs (A) and body weights (B).

Observation Type: All Types	Group 1,	Group 2,	Group 3,	Group 4,	Group 5,
Sex: Male	0	208.75	417.5	835	75
From Day -1 (Start Date) to 3 (Start Date)	mg/kg/day	mg/kg/day	mg/kg/day	mg/kg/day	mg/kg
Skin Discolored, Tail/Middle					
Days Observation Recorded	0	0	1	10	0
Number of Animals Affected	0	0	1	6	0
First to Last seen	-	-	3 - 3	1 - 3	-

**A. Summary of Clinical Signs - Definitive Micronucleus Assay**

Day(s) Relative to Start Date

Sex: Male		Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Absolute Weight Gain (g)	Absolute Weight Gain (g)
		-1	1	2	3	2 → 3	1 → 3
Group 1,	Mean	35.87	35.86	-	35.86	-	0.01
0	SD	1.58	1.41	-	1.88	-	0.59
mg/kg/day	N	5	5	-	5	-	5
Group 2,	Mean	35.91	35.95	-	36.27	-	0.32
208.75	SD	1.96	2.36	-	2.74	-	0.49
mg/kg/day	N	5	5	-	5	-	5
Group 3,	Mean	35.94	35.37	-	35.57	-	0.20
417.5	SD	1.81	1.82	-	1.37	-	0.62
mg/kg/day	N	5	5	-	5	-	5
Group 4,	Mean	35.78	35.40	-	35.39	-	-0.02
835	SD	2.43	2.08	-	2.42	-	0.75
mg/kg/day	N	7	7	-	7	-	7
Group 5,	Mean	35.85	-	35.55	35.56	0.02	-
75	SD	1.57	-	1.40	0.79	0.75	-
mg/kg	N	5	-	5	5	5	-

**B. Summary of Body Weight Data-Definitive Micronucleus Assay**