

Supplemental Table 1. Recombinant yeast-Twist vaccination does not induce toxicity

<u>Body Weights (post vaccinations)</u>					Differences Outside Normal Range for any Group
Values ± SD	Treatment				
	Normal ranges	Yeast Twist (n=5)	Yeast Wild-type (n=5)	Age-Matched Control (PBS) (n=5)	
Weight (g)	18-26	25.5 ± 2.1	25.9 ± 2.7	25.4 ± 0.7	None

<u>Blood Chemistry (10 parameters)</u>					
Values ± SD	Treatment				
Test	Normal ranges	Yeast Twist (n=5)	Yeast Wild-type (n=5)	Age-Matched Control (PBS) (n=5)	
WBC (K/ul)	5.28-14.85	7.78 ± 4.92	3.96 ± 0.8	2.2 ± 0.6	None
LY (%)	53.04-84.21	48 ± 22	71.3 ± 5.7	51.2 ± 8.5	None
MO (%)	3.74-14.63	2.2 ± 1.9	4.5 ± 1.2	5.2 ± 2.6	None
EO (%)	0.14-4.02	2.6 ± 2.2	1.1 ± 0.1	2.8 ± 0.7	None
RBC (M/ul)	8.02-11.77	9.32 ± 0.3	8.3 ± 0.4	8.9 ± 0.6	None
Hb (g/dl)	12.6-19.2	14.12 ± 0.8	12 ± 0.6	14.12 ± 0.9	None
HCT (%)	43.5-67.3	39.6 ± 1.3	45.2 ± 2.4	38.1 ± 2.2	None
MCV (fl)	50.8-64.2	42.5 ± 0.3	54.3 ± 1.04	42.7 ± 0.2	None
PLT (K/ul)	390-1633	567 ± 172	799 ± 50.4	638 ± 181	None

<u>Clinical Chemistry (5 parameters)</u>					
Values ± SD	Treatment				
Test	Normal ranges	Yeast Twist (n=5)	Yeast Wild-type (n=5)	Age-Matched Control (PBS) (n=5)	
BUN (mg/dl)	6-32	16	23	16	None
CRE (mg/dl)	0.2-0.7	0.2	0.2	0.2	None
AST (u/l)	67-393	411	349	341	None
ALT (u/l)	35-172	126	151	117	None
ALK (u/l)	65-399	73	64	87	None

<u>Autoimmunity Profile (6 parameters)</u>					
Test	Normal ranges	Yeast Twist (n=5)	Yeast Wild-type (n=5)	Age-Matched Control (PBS) (n=5)	
Histone Ab	Negative	Negative	Negative	Negative	None
n-RNP Ab	Negative	Negative	Negative	Negative	None
dsDNA Ab	Negative	Negative	Negative	Negative	None
ssDNA Ab	Negative	Negative	Negative	Negative	None
CIC	Negative	Negative	Negative	Negative	None

Female Balb/c mice (n=5/group) were vaccinated with PBS, wild-type yeast, or recombinant yeast-Twist (1 YU/site at four sites) weekly for 18 weeks. One week following the last vaccination, mice were euthanized and analyzed for autoantibodies in serum and blood chemistry parameters.