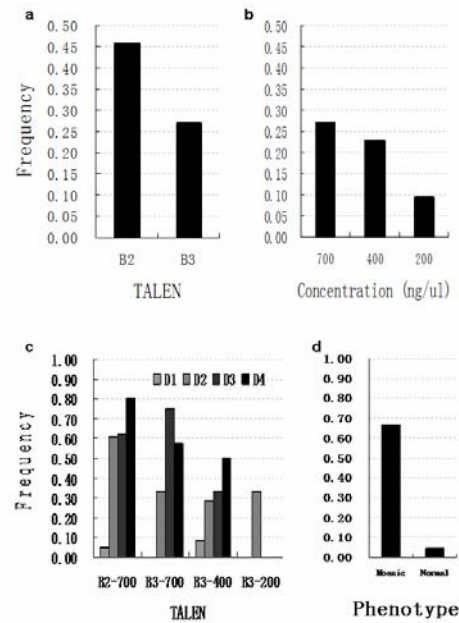


**Figure S1**



**Figure S1** Frequency of TALEN induced mutations. (a) Frequency of mosaic mutations using different TALENs. B2 showed a relatively higher activity of inducing mosaic mutations than B3. (b) Frequency of B3 TALEN injected with different concentrations. The activity of B3 showed a strict dose-dependence. (c) Frequency of mosaic mutations in punctual or delayed hatched silkworms. Usually, silkworms hatch on the 10<sup>th</sup> day of embryonic development. Microinjections of plasmid or mRNA often led to a delayed hatch of some silkworms by one or two days. In all of the four injections, the delayed silkworms presented higher frequency of mosaic mutations. D1, D2, D3 and D4 represent the silkworms hatched at the 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> day, respectively. (d) Frequency of germline mutations from mosaic and wild type G0 silkworms.