

Table S2. Percentage of proinsulin monomers under non-reduced versus reduced condition in Figure 1A

Percentage	Gel Condition	Control	Akita (M)	Akita (F)
Mean	Non-Reduced	71.1	4.7	9.8
Mean	Reduced	100	100	100
SD	Non-Reduced	3.6	3.3	6.8
SD	Reduced	13.5	11.0	17.0
P (Non-Reduced vs. Reduced)		0.02	<0.005	<0.005

Control: *Ins2*^{+/+}; Akita: *Ins2*^{+/*Akita*}; M, male; F, female. Data are shown in Figure 1C.