Erratum

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Elderberry Bark Lectins Evolved to Recognize Neu5Acα2,6Gal/GalNAc Sequence from a Gal/GalNAc Binding Lectin Through the Substitution of Amino-Acid Residues Critical for the Binding to Sialic Acid

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The publishers would like to apologize for erroneously printing figures 4 and 5 of this article in black and white. They are reproduced in colour below.

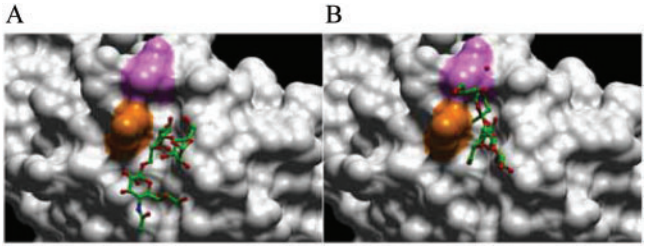
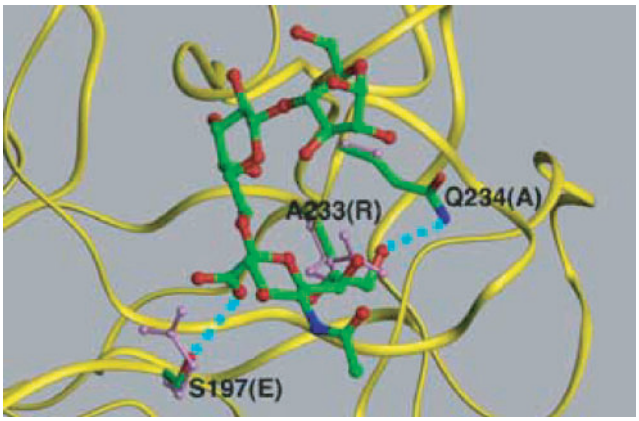


Fig. 4. **Neu5Acα2,6lactose (A) and Neu5Acα2,3lactose (B) in the binding cleft of SSA.** Connolly surface of SSA model is shown. Neu5Acα2,6lactose and Neu5Acα2,3lactose are displayed by coloured ball-and-stick in each. Y_{245} and T_{248}, which cause steric hindrance with the Neu5Acα2,3lactose, are shown in orange and pink, respectively.



	197									233							241
SSA B	.	**S**	**D**	L	I	.	.	.	.	**A**	**Q**	H	D	I	S	L	R	**K**	.	.
	199									236							244		
Ricin B	.	**E**	**T**	V	V	.	.	.	.	**R**	**A**	S	D	P	S	L	K	**Q**	.	.

Fig. 5. **Model of SSA and Neu5Acα2,6lactose complex.** (A) Main chain of SSA is displayed by yellow tube model. Neu5Acα2,6lactose is shown by coloured ball-and-stick in each atom (carbon, green; nitrogen, blue; oxygen, red). Side chains of the amino-acid residues in SSA that are critical for the binding to sialic acid are indicated by coloured stick for each atom. Side chains of ricin corresponding to those of SSA are coloured by pink and their names are shown in parentheses. Cyan dotted lines indicate the hydrogen bonds. (B) Alignment of S_{197} to K_{241} of SSA B subunit to the consensus sequence of ricin B subunit. The bold character indicated the amino-acid residues subjected for the site-directed mutagenesis.

