PLOS | NEGLECTED TROPICAL DISEASES

CORRECTION

Correction: Carbohydrate Recognition Specificity of Trans-sialidase Lectin Domain from *Trypanosoma congolense*

Mario Waespy, Thaddeus T. Gbem, Leroy Elenschneider, André-Philippe Jeck, Christopher J. Day, Lauren Hartley-Tassell, Nicolai Bovin, Joe Tiralongo, Thomas Haselhorst, Sørge Kelm

In Fig 2 the glycan name adjacent to ID 1M is listed incorrectly, and in Fig 7, the image in the lower panel is not rotated 90 degrees as indicated. Please see the corrected figures here.

Citation: Waespy M, Gbem TT, Elenschneider L, Jeck A-P, Day CJ, Hartley-Tassell L, et al. (2015) Correction: Carbohydrate Recognition Specificity of Trans-sialidase Lectin Domain from *Trypanosoma congolense*. PLoS Negl Trop Dis 9(12): e0004344. doi:10.1371/journal.pntd.0004344

Published: December 29, 2015

			Domain	TconTS1 -LD		TconTS2 -LD		TconTS3 -LD		TconTS4 -LD	
			α-Helix	-	+	-	+	-	+	-	+
ID	Glycan name	Glycan structure									
1B	*N*-Acetyllactosamine	Galβ1-4GlcNAc				▮	▮				
1E	β-1-3 Galactosyl-*N*-acetyl galactosamine	Galβ1-3GalNAc				▮	▮				
1M	TF Antigen	Galβ1-3GalNAcα1-O-Ser				▮	▮				
1N	α1-3 Galactobiose	Galα1-3Gal			▮	▮	▮				
1P	Linear B Trisaccharide	Galα1-3Galβ1-4Glc				▮	▮				
2A	α1-3,β1-4,α1-3 Galactotetraose	Galα1-3Galβ1-4Galα1-3Gal				▮	▮				
2B	Galβ1-6Gal	Galβ1-6Gal				▮	▮				
2D	GalNAcβ1-4Gal	GalNAcβ1-4Gal				▮	▮				
2E	Galα1-4Galβ1-4GlcNAc	Galα1-4Galβ1-4GlcNAc				▮	▮				
4D	*N*,*N*',*N*'',*N*''',*N*'''',*N*'''''-Hexaacetyl chitohexaose	GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ1-4GlcNAc			▮	▮	▮				
5F	α1-6 Mannobiose	Manα1-6Man				▮	▮				
5G	α1-3,α1-6 Mannotriose	Manα1-6(Manα1-3)Man				▮	▮				
7A	Lacto-*N*-fucopentaose I	Fucα1-2Galβ1-3GlcNAcβ1-3Galβ1-4Glc				▮	▮				
7B	Lacto-*N*-fucopentaose II	Galβ1-3(Fucα1-4)GlcNAcβ1-3Galβ1-4Glc				▮	▮				
7K	Blood Group A trisaccharide	GalNAcα1-3(Fucα1-2)Gal				▮	▮				
7M	Blood Group B Trisaccharide	Galα1-3(Fucα1-2)Gal				▮	▮				
7N	Lewis y	Fucα1-2Galβ1-4(Fucα1-3)GlcNAc				▮	▮				
7O	Blood Group H Type II Trisaccharide	Fucα1-2Galβ1-4GlcNAc				▮	▮				
10A	Sialyl Lewis a	Neu5Acα2-3Galβ1-3(Fucα1-4)GlcNAc				▮	▮				
10K	3'-Sialyllactosamine	Neu5Acα2-3Galβ1-4GlcNAc				▮	▮				

Fig 2. Summary of TconTS-LDs binding to glycans as determined by glycan array analysis. TconTS-LDs binding to the glycan arrays was determined as described under Methods. Black bars indicate glycans bound by the TconTS-LDs. The presence and absence of the α-helix in TconTS-LD constructs is indicated with "+" and "-", respectively. Further binding data (S2 Fig) and all glycans on the arrays (S1 Table) are available as Supporting Information.

doi:10.1371/journal.pntd.0004344.g001

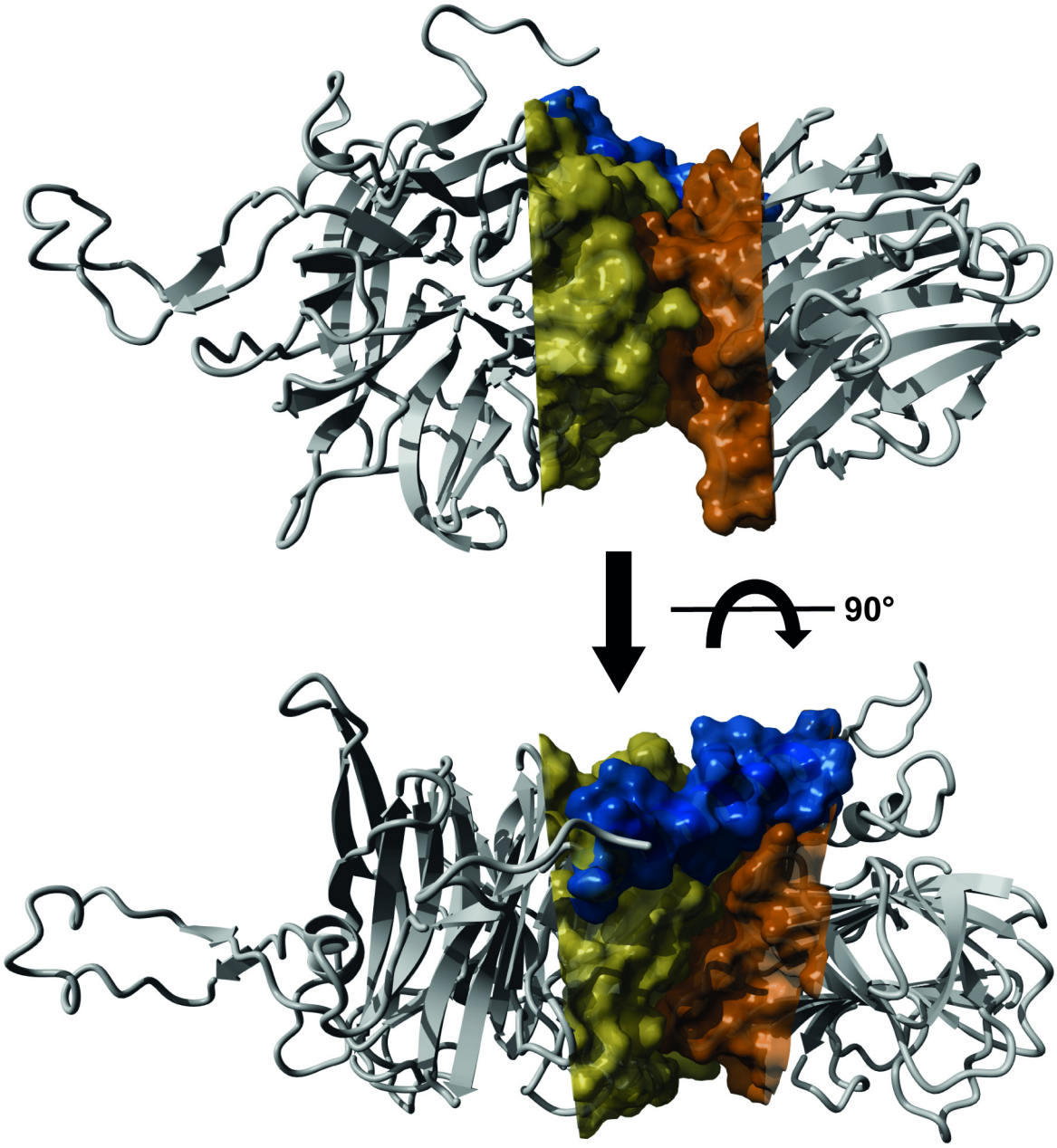

Fig 7. Contact site between TconTS-CD and LD. Homology model of TconTS1 was calculated using the crystal structure of TcTS (PDB: 3b69) as template and the software Yasara. Molecular surface of TconTS1 was calculated using the surface module of Yasara Structure. Illustrated are the parts of TconTS-CD (yellow) and LD (orange), which are in close contact to each other. The α-helix connecting both domains is shown in blue.

doi:10.1371/journal.pntd.0004344.g002

Reference

1. Waespy M, Gbem TT, Elenschneider L, Jeck A-P, Day CJ, Hartley-Tassell L, et al. (2015) Carbohydrate Recognition Specificity of Trans-sialidase Lectin Domain from *Trypanosoma congolense*. PLoS Negl Trop Dis 9(10): e0004120. doi:10.1371/journal.pntd.0004120 PMID: 26474304