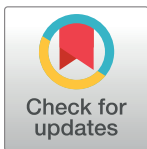


CORRECTION

# Correction: An ImmunoSignature test distinguishes *Trypanosoma cruzi*, hepatitis B, hepatitis C and West Nile virus seropositivity among asymptomatic blood donors

The *PLOS Neglected Tropical Diseases* Staff

There are errors in Tables 3–5 which arose during typesetting. The publisher apologizes for these errors.



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**Citation:** The *PLOS Neglected Tropical Diseases* Staff (2018) Correction: An ImmunoSignature test distinguishes *Trypanosoma cruzi*, hepatitis B, hepatitis C and West Nile virus seropositivity among asymptomatic blood donors. *PLoS Negl Trop Dis* 12(2): e0006228. <https://doi.org/10.1371/journal.pntd.0006228>

**Published:** February 1, 2018

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**Table 3. Top ranking alignments of informative library peptides to the *T. cruzi* proteome.**

	<i>T. cruzi</i> protein	Total Score	Target 20mer	# peptide hits	TrTrypDB Gene ID
1	Mucin: TcMucII*	3473	TRAPSRLREVDGSLGSSAWV	63	<a href="#">TcCLB.509753.300</a>
2	Uncharacterized protein	3329	RRLSYRLRKREDGESYESYL	59	<a href="#">TcCLB.510575.140</a>
3	Uncharacterized protein	3181	VPVLRVVD A EADERERNGAG	56	<a href="#">TCSYL VIO_001012</a>
4	Calmodulin*	3096	TEVDVREALRVLDADGDGFL	57	<a href="#">TcCLB.510121.50</a>
5	Uncharacterized protein	3091	SYRQQRVVDALRFALEDHE	56	<a href="#">TcCLB.508269.50</a>
6	Mucin: TcMucII*	3032	RAPSRLREFDGLSSSAWVC	56	<a href="#">TcCLB.506741.110</a>
7	Uncharacterized protein	3007	KLRQLDFVEDVLRKHPDKVE	52	<a href="#">TcCLB.507011.170</a>
8	Dispersed gene family protein 1 (DGF-1)*	2983	HRGGLEALLRDGEDGDEDAQ	58	<a href="#">TcCLB.509735.84</a>
9	Uncharacterized protein	2973	LPAQDSVVVRLVDGQAPLR	51	<a href="#">TcCLB.506267.48</a>
10	Vacuolar protein sorting-associated protein (Vps26)	2966	ERSPGLLRLLRKVDGCDVR	52	<a href="#">TCSYL VIO_008174</a>

\* The families in which these proteins are members have been previously identified as antigenic

<https://doi.org/10.1371/journal.pntd.0006228.t001>

**Table 4. Binary classification of each of four disease classes versus a combined class of the remaining three.**

Classes	AUC	Sensitivity@ 90% spec <sup>a</sup>	Specificity@ 90% sens <sup>b</sup>	Accuracy@ spec <sup>a</sup> =sens <sup>b</sup>	Model size (k)
<i>T. cruzi</i> vs. Other	0.97 (0.96-0.98)	92% (90%-94%)	94% (90%-96%)	92% (90%-92%)	50
HBV vs. Other	0.94 (0.93-0.95)	85% (78%-90%)	85% (78%-90%)	87% (85%-90%)	16000
HCV vs. Other	0.96 (0.94-0.97)	90% (86%-94%)	91% (82%-96%)	90% (88%-93%)	100
WNV vs. Other	0.96 (0.95-0.97)	87% (78%-94%)	88% (84%-92%)	89% (86%-91%)	1000

<sup>a</sup>spec, specificity

<sup>b</sup>sens, sensitivity

<https://doi.org/10.1371/journal.pntd.0006228.t002>

**Table 5. Confusion matrix and performance estimates of the multiclass prediction model.**

IST Classification	Blood Bank Confirmed Diagnosis				Performance Summary		
	<i>T. cruzi</i> +	HBV+	HCV+	WNV+	Sens <sup>a</sup>	Spec <sup>b</sup>	AUC
<i>T. cruzi</i> +	77	3	1	2	93%	96%	0.98
HBV+	3	79	12	2	82%	96%	0.96
HCV+	0	3	55	2	92%	94%	0.95
WNV+	8	3	3	82	85%	97%	0.97
Totals	88	88	71	88	Overall accuracy = 87%		

<sup>a</sup>Sens, sensitivity

<sup>b</sup>Spec, specificity

<https://doi.org/10.1371/journal.pntd.0006228.t003>

## Reference

1. Rowe M, Melnick J, Gerwien R, Legutki JB, Pfeilsticker J, Tarasow TM, et al. (2017) An ImmunoSignature test distinguishes *Trypanosoma cruzi*, hepatitis B, hepatitis C and West Nile virus seropositivity among asymptomatic blood donors. *PLoS Negl Trop Dis* 11(9): e0005882. <https://doi.org/10.1371/journal.pntd.0005882> PMID: 28873423