PLOS NEGLECTED TROPICAL DISEASES

CORRECTION

Correction: Endomicroscopic and Transcriptomic Analysis of Impaired Barrier Function and Malabsorption in Environmental Enteropathy

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There is an error in Table 3. The sign of the fold expression is reversed and the log2Ratio is inverted. The errors arose through mixing up group A and B.

Citation: Kelly P, Besa E, Zyambo K, Louis-Auguste J, Lees J, Banda T, et al. (2022) Correction: Endomicroscopic and Transcriptomic Analysis of Impaired Barrier Function and Malabsorption in Environmental Enteropathy. PLoS Negl Trop Dis 16(6): e0010505. https://doi.org/10.1371/journal.pntd.0010505

Published: June 2, 2022

Table 3. Differentially expressed genes in 4 biopsies from duodenum with multiple plumes seen by confocal laser endomicroscopy compared to 4 with minimal plumes.

Gene ID	Gene name/function	Functional group	Locus	log2Ratio	Fold change	Probability score
1671	Human defensin 6	Paneth cell antimicrobial peptides	479	2.17316	4.505	0.826343
1670	Human defensin 5		449	1.92632	3.788	0.813815
5068	Reg 3α		1117	1.87921	3.676	0.80937
7033	Trefoil factor 3; epithelial repair peptide	Epithelial repair peptide	1054	2.16378	4.464	0.820769
327657	Serpin 9; protease inhibitor	Anti-proteolytic	1851	12.8255	7143	0.857051
27290	SPINK 4; protease inhibitor		386	4.41835	21.28	0.872211
3934	Lipocalin 2; iron sequestration	Cation uptake and sequestration from pathogens	840	2.18948	4.566	0.81402
4057	Lactotransferrin; antimicrobial peptide and iron sequestration		2593	5.38692	41.67	0.80093
4891	Solute carrier family 11, member 2 (DMT-1); iron, manganese and zinc uptake		4424	1.84634	3.610	0.804259
55600	Intelectin 1; lactoferrin receptor		386	3.6465	12.5	0.834541
1179	Chloride channel accessory 1	Nutrient and electrolyte transport, not cations	3123	3.4113	10.64	0.827942
29802	Pre-B lymphocyte 3	Immune function and inflammation	602	4.7429	27.03	0.815015
2353	c-fos; AP-1 subunit		2158	-2.765478	0.147	0.854176
2354	fos B; AP-1 subunit		3776	-7.030998	0.008	0.892508
10578	granulysin; cytotoxic cell effector molecule		995	-2.736818	0.150	0.80525
3127	HLA-DR β5; antigen presentation		1171	-2.412484	0.188	0.842403
3627	chemokine C-X-C ligand 10; chemokine, interferon-γ pathway		1227	-2.902382	0.134	0.807325
1543	Cytochrome P450, family 1, subfamily A, no 1	Xenobiotic metabolism	2608	-2.364329	0.194	0.832779
139728	CaM kinase; PNCK	Role or function unclear in this context	1888	3.69906	12.99	0.805404
1843	Dual specificity phosphatase 1		2040	-1.946366	0.258	0.806404
692203	Small nucleolar RNA, C/Dbox 88B		97	12.4208	5555.6	0.820723
100861532	unknown function		13357	3.20998	9.259	0.822118
260436	chromosome 4, ORF7		573	7.68911	208.3	0.937805

The **Probability** shown is derived from RKPM-normalised values using NOIseq (non-parametric) computation of signal to noise ratio, and using a standard threshold, q, of 0.8 which corresponds to an odds ratio of 4:1 that the gene is differentially expressed. Values of Probability shown indicate the probability that a given transcript is differentially expressed; higher values indicate greater probability of differential expression; values greater than 0.8 are accepted as significant [29].

https://doi.org/10.1371/journal.pntd.0010505.t001

Reference

1. Kelly P, Besa E, Zyambo K, Louis-Auguste J, Lees J, Banda T, et al. (2016) Endomicroscopic and Transcriptomic Analysis of Impaired Barrier Function and Malabsorption in Environmental Enteropathy. PLoS Negl Trop Dis 10(4): e0004600. https://doi.org/10.1371/journal.pntd.0004600 PMID: 27050312