



SDI Review Form 1.6

PART 1:

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	MS: 2012_IJTDH_2948
Title of the Manuscript:	Sickle Cell Trait (HbAS) is Associated with Increased Expression of Erythrocyte Complement Regulatory Proteins CR1 and CD55 in Children

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<u>Compulsory</u> REVISION comments	The authors should be consistent with the use of CD55 or CD Line 268-269: The use of 'higher in both groups' implies there is an increase in both groups after treatment. I think it can be revised and stated more clearly, as the previous statement compares AA vs AS before treatment. From the values, AA (605) is higher than for AS (576) Line 280-281: Section 3.3 is about differences between HbAS and HbAA in each age cohort and not between cohorts. I think it can be revised to read something like "The copy numbers per.....higher for HbAS than AA in the 49-192 months age group".	
<u>Minor</u> REVISION comments	Line 284. The addition of " as well as" CD55 levels.....and CD55 levels after deoxygenation..... for the sake of clarity will be a good idea"	
<u>Optional/General</u> comments	The authors took the time to control for possible confounders of the parameters in question. However, in the analysis of samples with HbAS, I was wondering if the authors took into consideration the fact that the proportion of HbS cells in HbAS persons differ among different individuals. Will this have any impact on the outcome? Especially under low oxygen tension? Could it also be the reason for the huge SD in AS individuals in the 13-48 months age group?	

Note: Anonymous Reviewer