Author's response to reviews

**Title:** Molecular fingerprinting reflects different histotypes and brain region in low grade gliomas.

**Authors:**

Samantha Mascelli PhD (SamanthaMascelli@ospedale-gaslini.ge.it)
Annalisa Barla PhD (annalisa.barla@unige.it)
Alessandro Raso PhD (rasoale@yahoo.it)
Sofia Mosci PhD (sofimosci@gmail.com)
Paolo Nozza MD (paolonozza@ospedale-gaslini.ge.it)
Roberto Biassoni PhD (RobertoBiassoni@ospedale-gaslini.ge.it)
Giovanni Morana MD (GiovanniMorana@ospedale-gaslini.ge.it)
Martin Huber PhD (martin.huber@siemens.com)
Cristian Mircean PhD (mirceanc@googlemail.com)
Daniel Fasulo PhD (dan.fasulo@gmail.com)
Karin Noy PhD (karin.noy@siemens.com)
Gayle Wittemberg PhD (gaylew@gmail.com)
Sara Pignatelli MD (sara.pignatelli@fastwebnet.it)
Gianluca Piatelli MD (gianluicapiatelli@ospedale-gaslini.ge.it)
Armando Cama MD (armandocama@ospedale-gaslini.ge.it)
Maria L Garrè MD (mluisagarre@ospedale-gaslini.ge.it)
Valeria Capra Md, PhD (valeriacapra@ospedale-gaslini.ge.it)
Alessandro Verri PhD (verri@disi.unige.it)

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**Author's response to reviews:** see over
Subject: MS: 8061687599605195

Dear Editor,

We thank you for your availability and for the reviewers’ constructive comments. As proposed, we would like to resubmit our paper entitled “Molecular fingerprinting reflects different histotypes and brain region in low grade gliomas.” Hence, we wish appropriately reply to the reviewers’ further comments.

Reply to the Reviewer # 1:

The Reviewer wrote: “The first sentence of the introduction should be simplified. Something like ...”

The manuscript has been changed according to the reviewer’s suggestion.

Reply to the Reviewer # 2:

The Reviewer wrote: “I’m still not sure what the authors mean with “all 15 loci were confirmed and validated” and table 3 just lists the genes without showing QPCR data. Does it mean:

1) The QPCR confirms all the genes are expressed but the differential expression of only five of those are confirmed. The other ten failed to show differential expression. If so, please include a sentence or two in the discussion on why the QPCR failed to detect differential expression in those 10 genes.
2) The QPCR confirms all the genes are expressed and confirms the differential expression of all 15. If so, please include a sentence on why only five were selected.”

The qPCR confirms all the genes are expressed and confirms the differential expression of all 15. Such result has been obtained by multivariate analysis (RLS) and the expression value of all 15 genes are reported in Table 4. The reason why, 5 out of 15 genes have been highlighted as the most representative is because they even passed Mann-Whitney test (univariate analysis). In Table 4 only the significant p-values are reported. The manuscript has been changed according to the reviewer’s criticism and a sentence on why only 5 genes were selected has been added to the results. Some further details have been provided in Table 4 legend.

Yours sincerely,

Samantha Mascelli, Ph.D.

Genoa, July 25, 2013