Reviewer's report

Title: Epigenetic regulation of IncRNA connects ubiquitin-proteasome system with infection-inflammation in preterm births and preterm premature rupture of membranes

Version: 3  Date: 16 September 2014

Reviewer: Elizabeth Bonney

Reviewer's report:

Overall the manuscript is much improved.

Minor issues:

Line 194: I realize this is an attempt to state exactly where and what tissues are in the samples. However, the statement "1x1 cm cubes...juxtaposed from maternal side to the fetal membrane..." is confusing. How thick were the samples, and did they include fetal membranes? (I am guessing yes but can't really tell).

Line 350 add 'gestational age' to 'compared to normal group'

Line 357 add 'the premature' to 'from membrane rupture group'

Tables 2 and 3-- I think that the heading "PPROM vs sPTB" is repeated and that one of the headings you want to list is missing.

The print on figures 3, 4, and 5 is just too small.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests