CERTIFICATE

We hereby certify that the work entitled **Mirnacle: Machine learning with SMOTE and random forest for improving selectivity in pre-miRNA ab initio prediction** authored by
Yuri B Marques, Alcione P Oliveira, Ana Tereza R Vasconcelos, Fabio R Cerqueira
was presented during the poster session of the "X-Meeting 2015 - 11th International Conference of th AB3C + Brazilian Symposium of Bioinformatics" held in Sao Paulo - Brazil from November 3 to 6 2015.

Glória R Franco - AB3C President

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X - meeting + BSB 2015
USP - SÃO PAULO - SP - BRAZIL | NOVEMBER 03 to 06 2015
11th International Conference of the AB3C + Brazilian Symposium of Bioinformatics