This document doi:10.5048/BIO-C.2010.3.e1
Published: April 20, 2012

Erratum for: Montañez G, Ewert W, Dembski WA, Marks II RJ (2010) A vivisection of the ev computer organism: Identifying sources of active information. BIO-Complexity 2010(3):1-6. doi:10.5048/BIO-C.2010.3

The section entitled *An upper bound on exogenous information* on page 3 is incorrect. It confuses the output of the perceptron with the input fed into the perceptron. The logic was intended to derive from assuming that a single genome produced the correct output, but actually proceeds as though all sequences with 16 ones have equal probability. If we make that assumption, the result of 92 bits is correct although it is an approximation, not a bound. Furthermore, the result of 90 bits depends on the same assumption being made for a smaller set of output sequences. The difference in the bounds indicates that the assumption does not hold precisely and in fact having all sixteen ones in the second half is 4 times more likely than the assumption predicts. The precise exogenous information could be either higher or lower than these approximations depending on the outworking of the perceptron. We offer 90 bits as a rough approximation of the exogenous information. The rest of the paper does not depend on this as a precise bound, and so is unaffected by this error.

We thank Robb for his attention to detail and bringing the error to our attention.