

Supplement to “Combining high resolution and exact calibration to
boost statistical power: A well-calibrated score function for
high-resolution MS2 data”

Andy Lin
Department of Genome Sciences
University of Washington

J. Jeffrey Howbert
Department of Genome Sciences
University of Washington

William Stafford Noble*
Department of Genome Sciences
Department of Computer Science and Engineering
University of Washington

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*Corresponding author: Box 355065, Foege Building, S220B, 3720 15th Ave NE, Seattle, WA 98195-5065, william-noble@uw.edu

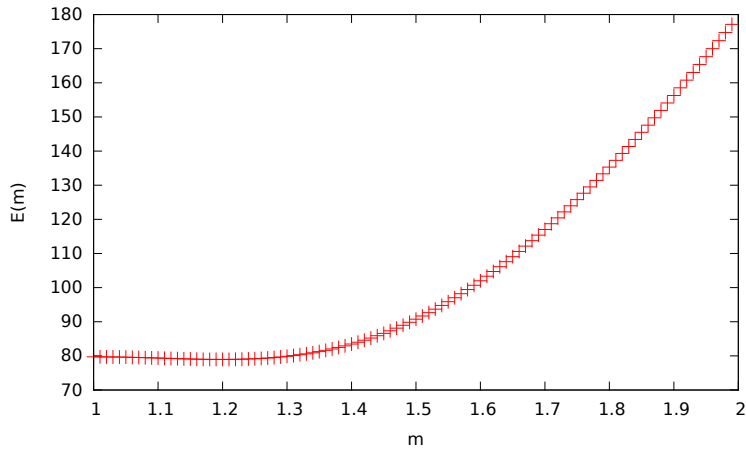


Figure 1: **Using decoys to set the m parameter.** The figure plots the error $E(m)$ (Equation 12) as a function of the parameter m . To generate this plot, the *Plasmodium* data set was analyzed using both XCorr p-value and res-ev p-value. All decoy p-values for each spectrum were retained, yielding a set of 197,029 pairs of p-values. Values of $E(m)$ were computed for $m = 1.00, 1.01, \dots, 1.99$. The minimum error value occurs around $m = 1.20$.