

Supporting Information for
“Param-Medic Breathes New Life into MS/MS Database Search by
Optimizing Parameter Settings”

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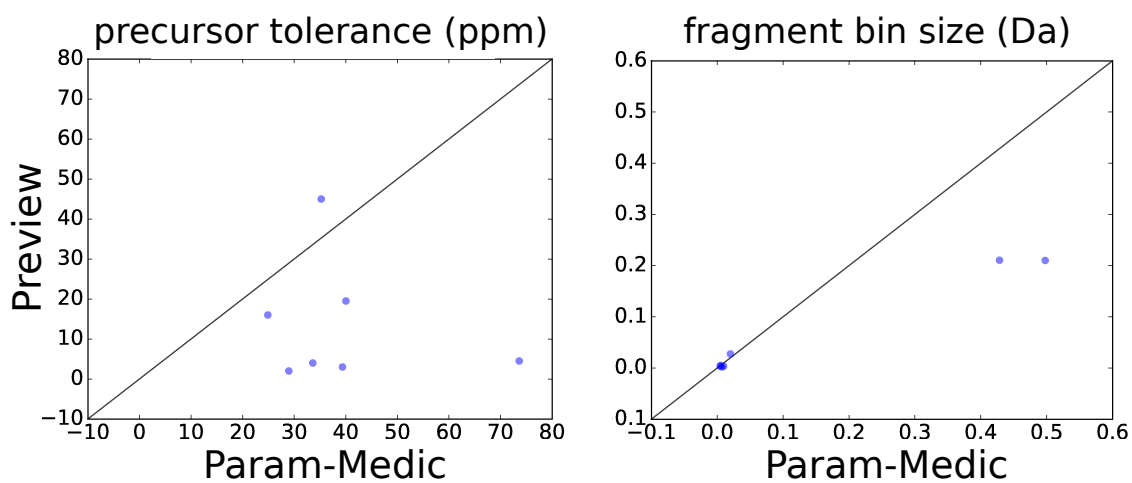


Figure 1: **Comparing parameter estimates from Param-Medic and Preview.** Scatter plots of parameter values estimated by Param-Medic (horizontal axis) and Preview (vertical axis) on all nine training and test experiments for which both tools returned values. Solid line represents 1:1 correspondence. Left: precursor error, $r = -0.20$. Right: fragment bin size, correlation coefficient $r = 0.99$. The fragment bin size estimates show high correlation ($r = 0.99$), though this value is largely driven by two outlier datasets. The precursor tolerance estimates are essentially uncorrelated ($r = -0.20$).