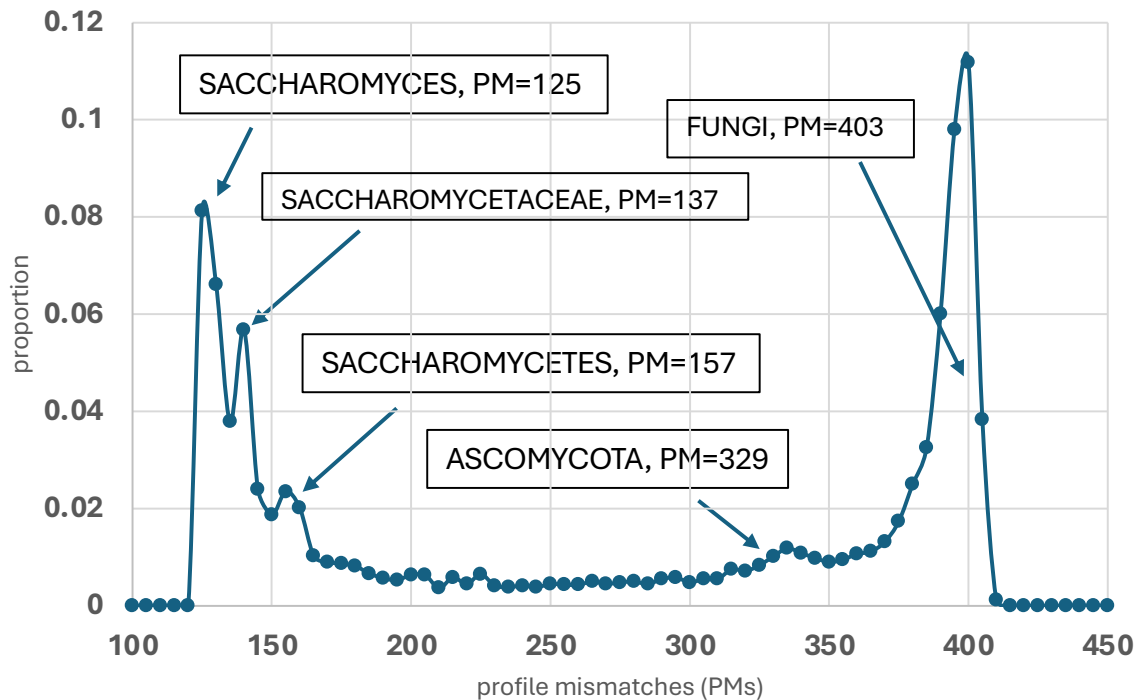**Suppl. Figure: Distributions of profile mismatches (PMs) versus two randomly-generated profiles**

This distributions are the same as for the PM distribution figure in the main text, except that in (A) the comparison is to a randomly-generated profile with a 0.25 chance of a 1 character, and in (B) with a 0.75 chance. The labelling is as in Figure 1

(A) Random profile, 0.25 chance of 1, 0.75 chance of 0

(B) Random profile, 0.75 chance of 1, 0.25 chance of 0