Supplementary figure 3  **Precision-recall curves across the full set of GEO samples and distribution of distances of GEO samples from each tissue fingerprint:** (a) Precision-recall curves for each of the tissues across the fingerprint-mapped GEO database; brain (red), kidney (yellow), liver (green), lung (cyan), skeletal muscle (blue), spleen (magenta). (b) Precision curves for each of the tissues across the fingerprint-mapped GEO database (red, right axis) and histogram of distance of samples in the fingerprint-mapped GEO database from each tissue consensus fingerprint (black, left axis). Distance scales between 0 (all pathway scores matched) to 1 (all pathway scores mis-matched, i.e. 1 vs -1) (c) **Estimated p-values:** A p-value was assigned to every sample in the GEO fingerprint matrix to assess the likelihood of association with the consensus fingerprint for each tissue. The plots the relationship between this p-value and the precision (i.e. the proportion correctly matched to each tissue), as determined from the GEO metadata, when samples are ranked according to p-value.