UW **NEPC** Prostate Normal 1.0 0.9 0.8 0.7 0.6 0.5 **ERpos** ERneg **NSCLC** 1.0 0.9 9.0 AUROC 0.7 0.6 0.5 SCLC RCC Bladder 1.0 0.9 0.8 0.7 0.6 0.5 E1 SE All Exons MDS - E1 MDS - E1 MDS - E1 MDS - E1 Small Fragments - E1 All Exons SE -E1 SE -All Exons SE -E1 SE -All Exons SE -E1 SE -E1 Depth All Exons MDS All Combined All Exons Depth E1 Depth All Combined All Exons Depth E1 Depth All Exons MDS E1 MDS All Combined All Exons Depth E1 MDS All Exons Small Fragments E1 Small Fragments Fragment Bins ATAC Entropy Full Gene Depth Fragment Bins All Exons Small Fragments Full Gene Depth **TFBS Entropy** ATAC Entropy Full Gene Depth E1 Small Fragments Fragment Bins ATAC Entropy **TFBS Entropy TFBS Entropy**