Shift Z-score for celegans Average Z-score shuffled hmm -0.6 -200 -100100 200-200 -100100 200-200 -100100 200 Position around TSS (bp) Average Z-score -0.6 -200 -100100 200 Position around TSS (bp) Absolute difference value 0.0 0.0 0.0 1 0.0 0.0 0.0 1 Difference between raw and hmm shapes -100-200 100 200 Position around TSS (bp)