Roll Z-score for celegans Average Z-score shuffled hmm -200 -100100 200-200 -100100 200-200 -1000 100 200 Position around TSS (bp) source — hmm — raw — -200-100100 200 Position around TSS (bp) Absolute difference value Difference between raw and hmm shapes -200-100100 200 Position around TSS (bp)