## Rise Z-score for celegans shuffled hmm Z-score 0.50 0.25 Average 0.00 c 0.25 -100-200-100100 200-200 100 200-200 -100100 200 Position around TSS (bp) Z-score 0.50 0.25 Average 0.00 c 0.25 -200-100100 200 Position around TSS (bp) Absolute difference value Difference between raw and hmm shapes 0.6 0.4 0.2 0.0 -200 -100100 200 Position around TSS (bp)