## Rise Z-score for athaliana shuffled hmm Z-score 0.25 0.00 Average –0.25 –0.50 -200-100-100200-200 100 200-200 100 -100100 200 Position around TSS (bp) Z-score 0.25 0.00 Average –0.25 –0.50 -200-100100 200 Position around TSS (bp) Absolute difference value Difference between raw and hmm shapes -200-100100 200 Position around TSS (bp)