Tilt Z-score for athaliana shuffled hmm Z-score 0.25 0.00 Average -0.25 -0.50 -200 -100100 200-200 -100100 200-200 -1000 0 100 200 Position around TSS (bp) Average Z-score 0.25 0.00 -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)