Opening Z-score for scerevisiae Average Z-score 2.000 0.00 0.50 0.50 0.50 shuffled hmm -100100 200-200 100 200-200 -100-200-100100 200 Position around TSS (bp) Average Z-score 0.00 25.0 -0.50 -0.50 -200-100100 200 Position around TSS (bp) Absolute difference value Difference between raw and hmm shapes -200200 Position around TSS (bp)