Stagger Z-score for scerevisiae shuffled hmm Z-score 0.50 0.25 0.00 Average –0.25 –0.50 -200-100100 200-200 -100100 200-200 -100100 200 Position around TSS (bp) 9.50 0.25 0.00 0.00 Average –0.50 -200-100100 200 Position around TSS (bp) Absolute difference value Difference between raw and hmm shapes amandraman Maraman and a second a second and -200200 100 Position around TSS (bp)