Stagger Z-score for pfalciparum shuffled hmm -100100 200-200 -100200-200 -100-200100 100 200 Position around TSS (bp) Average Z-score 0.00 0.00 0.50 0.00 0.50 0.50 0.50 -200-100100 200 Position around TSS (bp) Difference between raw and hmm shapes -200 -100200 100 Position around TSS (bp)