MGW Z-score for pfalciparum shuffled hmm Average Z-score 0.5 0.0 -0.5 -100-200100 200-200 -100100 200-200 -100100 200 Position around TSS (bp) source — hmm — raw Average Z-score 0.5 0.0 -0.5 -200-100100 200 Position around TSS (bp) Absolute difference value Difference between raw and hmm shapes 100 -200-100200 Position around TSS (bp)