Roll Z-score for pfalciparum shuffled hmm -200-100100 200-200 -100100 200-200 -100100 200 Position around TSS (bp) source — hmm — raw Average Z-score -200-100200 100 Position around TSS (bp) Absolute difference value Difference between raw and hmm shapes 1.0 0.5 0.0 -200-100100 200

Position around TSS (bp)