## **Buckle Z-score for dmelanogaster** shuffled hmm Z-score 0.25 0.00 Average –0.50 –0.50 -100-200100 -100200-200 200-200 100 -100100 200 Position around TSS (bp) source — hmm — raw Z-score 0.25 0.00 Average –0.50 -200-100100 200 Position around TSS (bp) Absolute difference value 0.20 0.10 0.00 0.00 -Difference between raw and hmm shapes -200-100100 200 Position around TSS (bp)