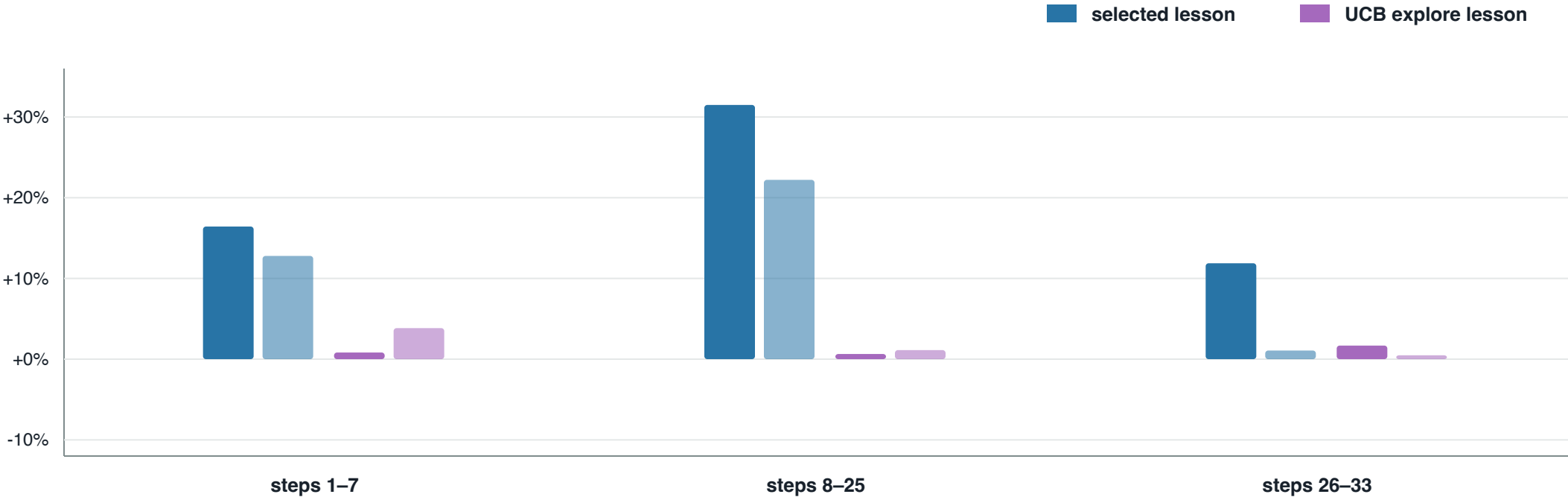
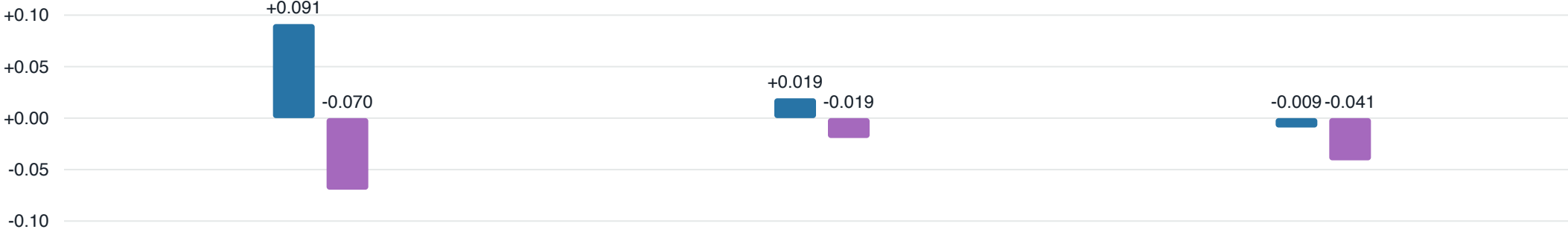


Memory arms: feasibility gain is clear; tail-quality gain is not

Each comparison is matched to the same parent and a no-memory arm.



Matched best-of-13 reward uplift



Solid bars: validity; translucent bars: beats-parent rate. Bottom bars are reward uplift.