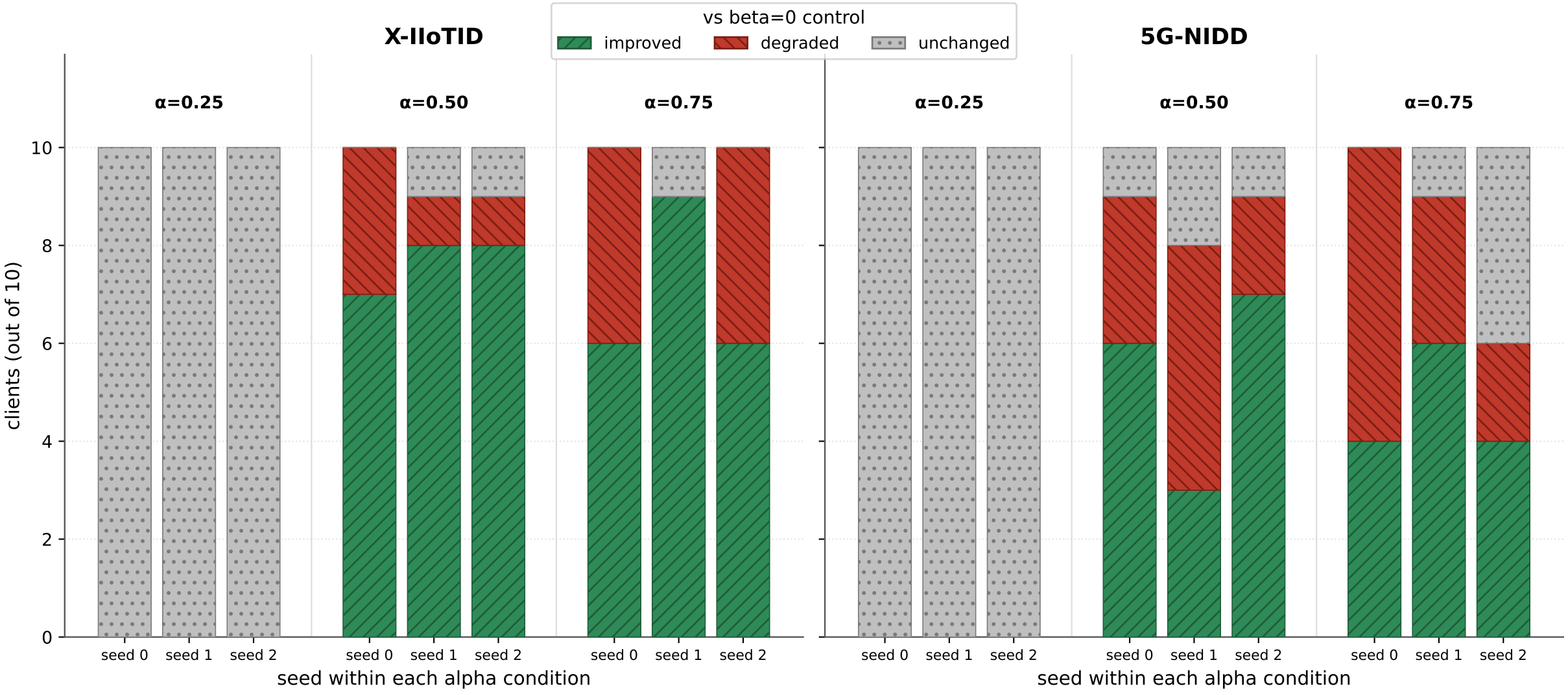


Comparison is the selected-beta support_weighted run vs the support_weighted beta=0 run (CONTROL), using per-client validation rare-class macro-F1; it is NOT a comparison against original_protean. At both alpha=0.25 conditions the selected beta is 0, so all clients are unchanged. Client ids are per-seed realizations and are not pooled.