



Supplementary Figure 6. The probability of (A–D) catch and (E–H) catch per unit of effort (CPUE) being below their mean values for the post-rationalization period from the 2005–2006 fishing season through the 2018–2019 fishing season in the directed pot fishery for golden king crab (*Lithodes aequispinus*) in the Aleutian Islands, by model scenario, under harvest control rules (HCRs) HR10, HR15, HR15U, and HR30. Estimates are based on the last 10 years of a 30-year projection period for 53 scenarios of an operating model used to evaluate HCRs. The stock is projected from an initial level of abundance, measured in mature male biomass (MMB):  $1.55MMB_{35}$  where  $MMB_{35}$  is MMB at  $F=F_{35}$ . In the model used in this analysis, a linear relationship between CPUE and square root of selected abundance is assumed. For details about the HCRs, see Table 1.