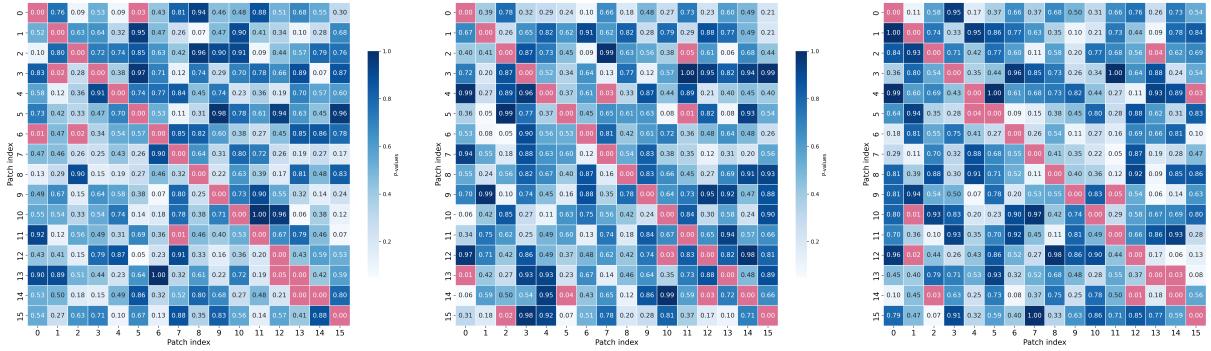
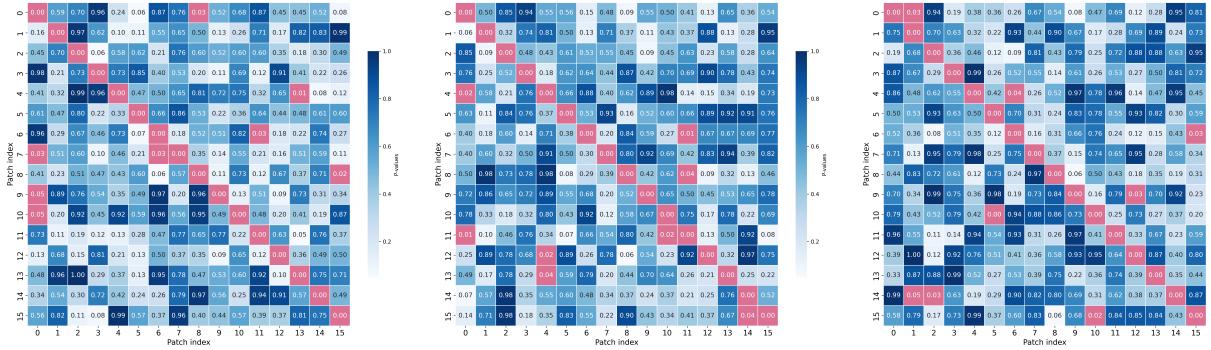


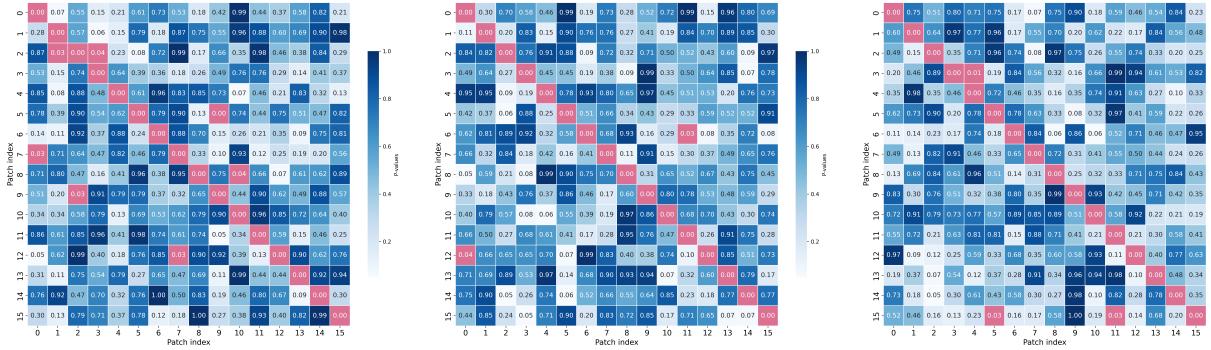
## Hierarchical Martingale-based Testing Framework for Visual Anomaly Detection



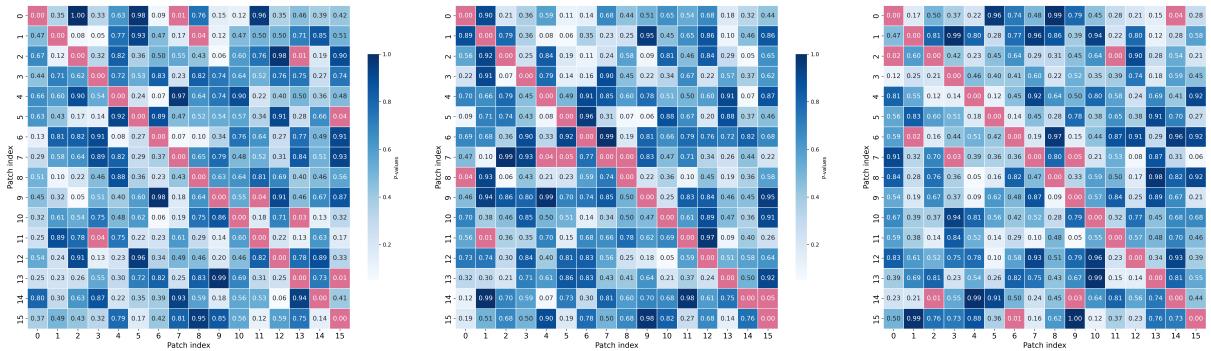
(a) CFA-BTAD; CFA-MVTec; CFA-VisA (from left to right).



(b) CFLOW-BTAD; CFLOW-MVTec; CFLOW-VisA (from left to right).



(c) DMAD-BTAD; DMAD-MVTec; DMAD-VisA (from left to right).



(d) DRAEM-BTAD; DRAEM-MVTec; DRAEM-VisA (from left to right).

## Hierarchical Martingale-based Testing Framework for Visual Anomaly Detection

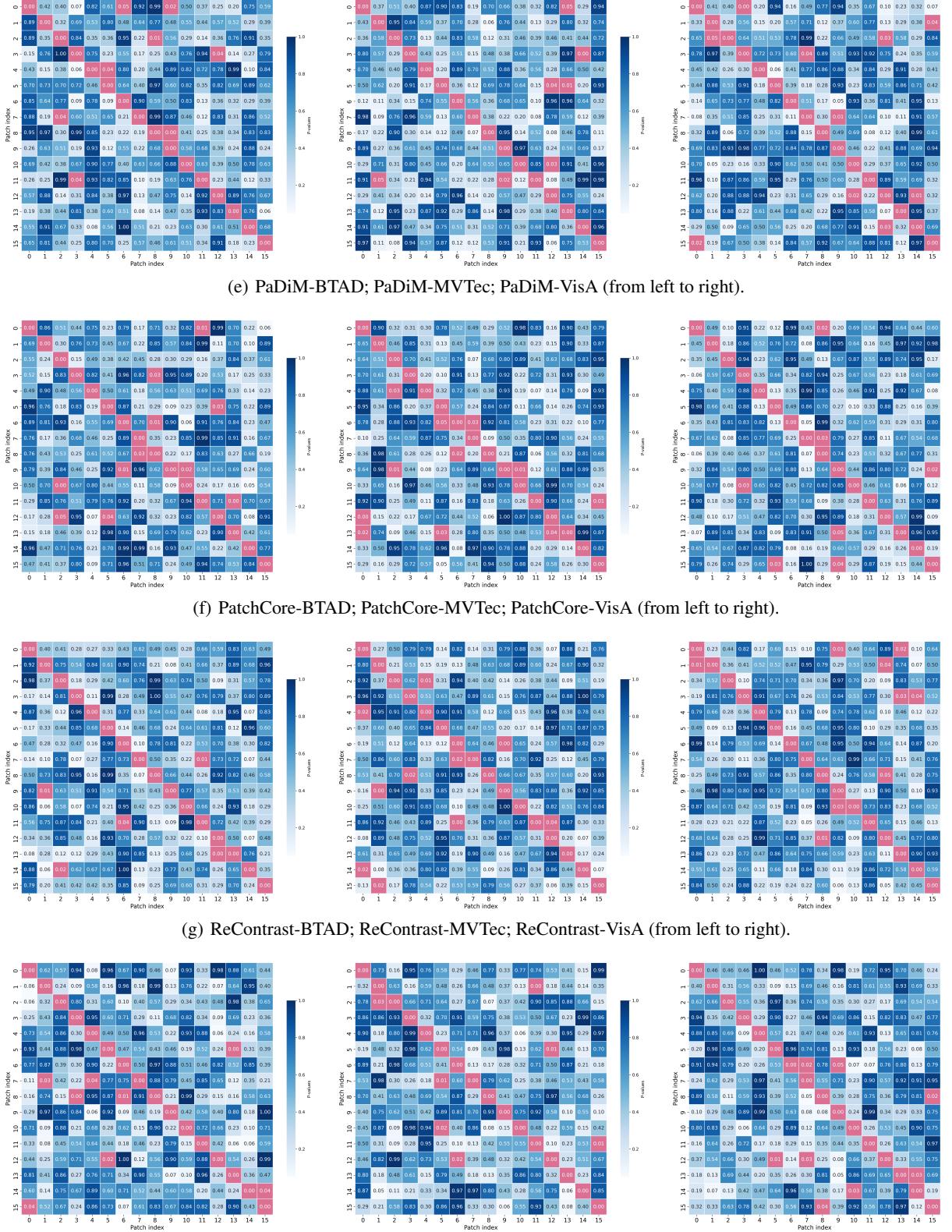


Figure 12: Independence tests on normal scores across patches. The term *CFA-MVTec* indicates that normal scores are generated by CFA on MVTec dataset. The entry in row  $i$  and column  $j$  represents the independence test result between the  $i$ -th patch and the  $j$ -th patch. Values greater than 0.05 (blue and white squares in the figure) indicate that the normal scores in corresponding patches are independent.