**Changes After Review for Paper-07**

*(Unsupervised Analysis of Alzheimer’s DiseaseSignatures using 3D Deformable Autoencoders)*

* The Implementation section in Methods has been rewritten to clarify how different β values are used during training and inference, as suggested by reviewer v5TW. Additionally, information on computational resources has been added as recommended by reviewer 2LP1.
* We made slight adjustments to Figure 2 to clarify the application of different β values during training and inference, as suggested by reviewer v5TW.
* The details of m\_foldings have been updated to include the use of Gaussian filtering during the calculation, following reviewer v5TW's suggestion.
* The last paragraph of the Pathology Detection subsection has been revised to clarify our contribution and to explain the importance of results “Only with folding maps”, as recommended by reviewer 1nXW.
* In the second paragraph of the Conclusion, we replaced the term "robustness" with "potential," as suggested by reviewer 1nXW.