(a) C=200, D=12   (b) C=200, D=24   (c) C=200, D=32   (d) C=200, D=48

(e) C=292, D=12   (f) C=292, D=24   (g) C=292, D=32   (h) C=292, D=48

(i) C=555, D=12   (j) C=555, D=24   (k) C=555, D=32   (l) C=555, D=48

Figure 12. Loss variation across different parameter configurations: (a-d) show results with C=200, (e-h) demonstrate cases with C=292, (i-l) present configurations with C=555. Each column corresponds to specific dimension settings.
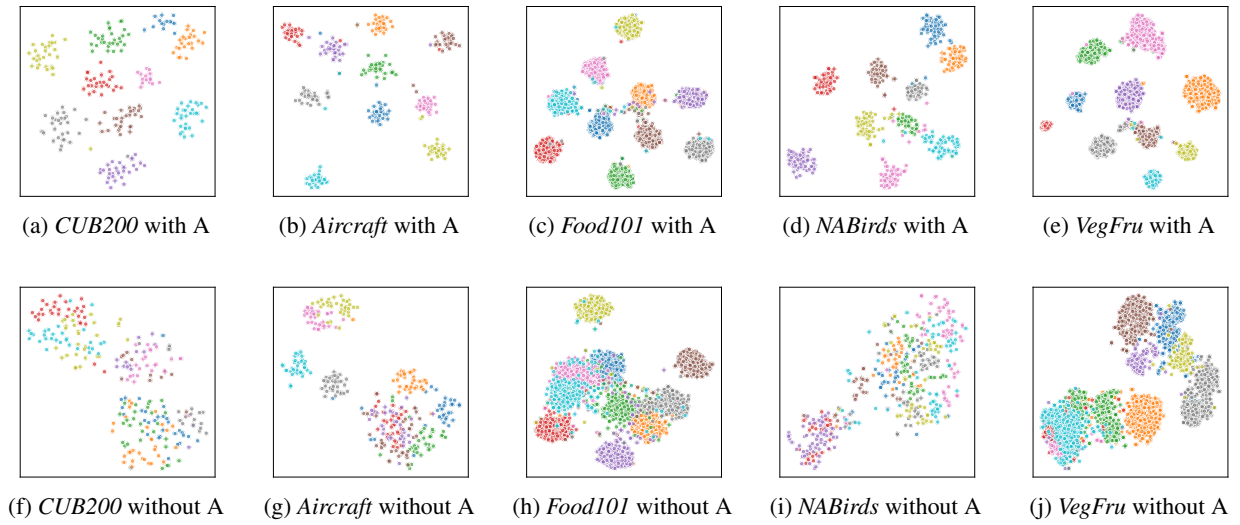

(a) *CUB200* with A   (b) *Aircraft* with A   (c) *Food101* with A   (d) *NABirds* with A   (e) *VegFru* with A

(f) *CUB200* without A   (g) *Aircraft* without A   (h) *Food101* without A   (i) *NABirds* without A   (j) *VegFru* without A

Figure 13. t-SNE Dimensionality Reduction Visualization of $\boldsymbol{X}_{out}$ (10 Random Classes)