

Table 5: Additional comparison of bACC on CIFAR-10-LT under $\gamma = \gamma_l = \gamma_u$.

Algorithm	$N_1 = 1500, M_1 = 3000$			$N_1 = 500, M_1 = 4000$		
	$\gamma = 50$	$\gamma = 100$	$\gamma = 150$	$\gamma = 50$	$\gamma = 100$	$\gamma = 150$
FREEMATCH	83.27 ± 0.27	76.73 ± 0.11	71.57 ± 0.71	77.66 ± 0.41	68.89 ± 1.21	62.08 ± 0.42
FIXMATCH	83.28 ± 0.00	77.77 ± 0.00	73.12 ± 0.00	80.16 ± 0.00	73.81 ± 0.00	66.25 ± 0.00
/+ADSH	84.76 ± 0.37	78.76 ± 0.24	75.84 ± 0.13	83.87 ± 0.31	75.87 ± 0.62	69.97 ± 0.17
/+SIMPRO	85.45 ± 0.14	82.12 ± 1.24	80.48 ± 0.25	82.34 ± 0.74	80.56 ± 0.81	73.65 ± 1.24
/+CPE	87.04 ± 1.41	83.96 ± 0.21	81.24 ± 0.71	84.04 ± 0.24	79.99 ± 0.13	77.02 ± 1.53
/+ACR	86.47 ± 0.13	83.46 ± 0.32	81.31 ± 0.02	84.49 ± 0.29	81.84 ± 0.32	76.14 ± 0.98
/+DARP+cRT	85.73 ± 0.31	82.57 ± 0.41	80.03 ± 0.09	83.26 ± 1.02	80.41 ± 0.75	73.98 ± 0.65
/+DALE	87.10 ± 0.11	84.23 ± 0.39	81.43 ± 0.50	85.37 ± 0.28	82.30 ± 0.28	77.53 ± 1.18

Table 6: Additional comparison of bACC on CIFAR-100-LT under $\gamma = \gamma_l = \gamma_u$.

Algorithm	$N_1 = 150, M_1 = 300$		
	$\gamma = 10$	$\gamma = 15$	$\gamma = 20$
FREEMATCH	58.93 ± 0.51	53.75 ± 0.26	51.14 ± 0.09
FIXMATCH	56.93 ± 0.42	53.76 ± 0.15	51.12 ± 0.55
/+ADSH	58.37 ± 0.26	54.5 ± 0.27	52.65 ± 0.81
/+SIMPRO	57.63 ± 0.13	54.71 ± 0.73	52.21 ± 1.57
/+CPE	54.46 ± 0.29	51.24 ± 0.81	48.83 ± 0.08
/+ACR	59.19 ± 0.21	56.22 ± 1.25	54.11 ± 0.72
/+DARP+CRT	56.91 ± 0.14	53.10 ± 0.28	51.5 ± 0.85
/+DALE	59.69 ± 0.21	56.89 ± 0.21	54.81 ± 0.45

Table 7: Additional comparison of bACC on STL-10-LT under $\gamma_l \neq \gamma_u$.

Algorithm	$N_1 = 150$	
	$\gamma_l = 10$	$\gamma_l = 20$
FREEMATCH	70.28 ± 0.71	66.51 ± 1.91
FIXMATCH	66.53 ± 0.07	55.80 ± 0.12
/+ADSH	70.58 ± 1.52	66.75 ± 0.89
/+SIMPRO	70.39 ± 1.67	66.42 ± 1.25
/+CPE	71.15 ± 0.78	66.7 ± 0.42
/+ACR	71.24 ± 0.42	66.85 ± 0.04
/+DARP+CRT	69.57 ± 0.16	65.29 ± 1.22
/+DALE	71.70 ± 0.57	67.42 ± 0.65

Table 8: Comparison of bACC on Small-ImageNet-127.

Algorithm	Small-ImageNet-127	
	32×32	64×64
FIXMATCH	29.67	42.12
/+CREST	32.15	44.56
/+CoSSL	40.54	52.10
/+DASO	34.72	46.12
/+DALE	42.94	53.89

Table 9: Comparison of bACC on CIFAR-10-LT under $\gamma_l \neq \gamma_u$ and $\gamma_l = 100$.

Algorithm	$N_1 = 1500, M_1 = 3000$		
	$\gamma_u = 1$	$\gamma_u = 50$	$\gamma_u = 150$
FIXMATCH	73.74 ± 0.41	79.12 ± 0.05	75.85 ± 0.19
/+ADSH	77.51 ± 0.24	81.4 ± 0.95	76.73 ± 0.28
/+ABC	80.86 ± 0.79	86.6 ± 0.25	83.27 ± 0.57
/+CREST	85.57 ± 0.24	83.53 ± 0.15	75.89 ± 0.10
/+CoSSL	76.72 ± 1.49	85.31 ± 0.39	81.28 ± 0.78
/+DASO	76.75 ± 0.02	78.72 ± 0.05	75.25 ± 0.15
/+CDMAD	76.41 ± 0.09	81.33 ± 0.57	78.60 ± 0.41
/+DALE	86.12 ± 0.12	86.89 ± 0.45	83.45 ± 0.98

Table 10: Comparison of bACC on CIFAR-100-LT under $\gamma_l \neq \gamma_u$ and $\gamma_l = 15$.

Algorithm	$N_1 = 150, M_1 = 300$		
	$\gamma_u = 1$	$\gamma_u = 10$	$\gamma_u = 20$
FIXMATCH	45.41 ± 0.89	54.75 ± 0.64	53.34 ± 1.37
/+ADSH	47.05 ± 0.06	56.03 ± 0.12	53.19 ± 0.53
/+ABC	47.08 ± 0.84	57.64 ± 0.61	55.88 ± 0.14
/+CREST	45.60 ± 1.02	55.75 ± 0.93	53.87 ± 0.25
/+CoSSL	47.83 ± 0.26	56.65 ± 0.16	55.86 ± 0.69
/+DASO	46.16 ± 0.21	56.38 ± 0.85	54.88 ± 0.11
/+CDMAD	46.26 ± 0.32	57.12 ± 0.15	53.91 ± 0.26
/+DALE	48.09 ± 0.15	57.89 ± 0.62	55.02 ± 0.26

Table 11: Ablation study of pseudo-label generation decoupling.

Algorithm	CIFAR-10 ($\gamma_l = \gamma_u$)	CIFAR-10 ($\gamma_l \neq \gamma_u$)	CIFAR-100 ($\gamma_l = \gamma_u$)	CIFAR-100 ($\gamma_l \neq \gamma_u$)	STL-10 ($\gamma_l \neq \gamma_u$)
DALE-	82.16 ± 0.15	83.57 ± 0.14	55.24 ± 0.55	56.12 ± 0.57	70.14 ± 0.17
DALE	84.23 ± 0.39	86.89 ± 0.45	56.89 ± 0.21	57.89 ± 0.62	71.70 ± 0.57