

Name	IR	sampling	Direct	Kappa	Boost	UWA	DWA	UDWA	UDWA_Enf	Random
— IR(1-3) —										
glass-1	1.82	no	0.8472 (17.58)	0.8212 (13.98)	0.8428 (16.80)	0.8556 (17.60)	0.8523 (13.48)	0.8289 (21.06)	0.8289 (21.06)	0.8212 (26.18)
		rus	0.8472 (19.12)	0.8289 (16.60)	0.8486 (17.30)	0.8503 (18.98)	0.8567 (14.76)	0.8289 (19.92)	0.8289 (19.92)	0.8274 (25.16)
		smote	0.8535 (19.48)	0.8331 (14.48)	0.8499 (14.80)	0.8580 (17.34)	0.8605 (14.16)	0.8363 (20.90)	0.8363 (20.90)	0.8301 (26.18)
ecoli-01	1.86	no	0.9901 (8.78)	0.9913 (16.66)	0.9839 (5.92)	0.9868 (9.84)	0.9909 (10.20)	0.9845 (3.24)	0.9845 (3.24)	0.9894 (24.96)
		rus	0.9888 (7.34)	0.9903 (16.06)	0.9825 (5.84)	0.9875 (10.26)	0.9891 (9.88)	0.9827 (3.34)	0.9827 (3.34)	0.9884 (25.36)
		smote	0.9906 (9.18)	0.9895 (15.98)	0.9826 (4.68)	0.9863 (8.66)	0.9901 (10.08)	0.9841 (4.72)	0.9841 (4.72)	0.9902 (26.34)
yeast-1	2.46	no	0.7828 (26.78)	0.7736 (18.82)	0.7442 (27.74)	0.7757 (24.84)	0.7839 (18.24)	0.7010 (27.76)	0.6900 (27.26)	0.7708 (29.68)
		rus	0.7843 (27.36)	0.7749 (21.36)	0.7447 (27.74)	0.7746 (23.96)	0.7840 (18.66)	0.7017 (28.12)	0.6876 (27.88)	0.7712 (29.56)
		smote	0.7847 (27.30)	0.7720 (20.80)	0.7424 (27.98)	0.7739 (23.26)	0.7849 (19.44)	0.7023 (28.38)	0.6895 (27.24)	0.7713 (29.68)
— IR(8-12) —										
yeast-3	8.11	no	0.9680 (21.96)	0.9646 (24.54)	0.9585 (27.32)	0.9654 (26.34)	0.9678 (22.86)	0.8863 (24.44)	0.8461 (22.98)	0.9656 (29.78)
		rus	0.9675 (22.12)	0.9659 (24.18)	0.9568 (26.90)	0.9670 (26.32)	0.9672 (22.20)	0.9012 (25.58)	0.8557 (23.68)	0.9668 (29.62)
		smote	0.9672 (20.78)	0.9651 (25.30)	0.9600 (27.16)	0.9662 (26.68)	0.9672 (22.44)	0.9034 (25.80)	0.8655 (24.24)	0.9655 (29.58)
ecoli-0675	10	no	0.9254 (7.36)	0.9262 (16.16)	0.9110 (13.32)	0.9306 (15.66)	0.9306 (9.54)	0.8847 (14.64)	0.8751 (13.86)	0.9294 (24.76)
		rus	0.9126 (8.36)	0.9294 (14.92)	0.9030 (12.72)	0.9266 (16.84)	0.9259 (10.12)	0.9011 (14.68)	0.8919 (12.72)	0.9257 (25.84)
		smote	0.9148 (7.22)	0.9176 (16.24)	0.9035 (11.22)	0.9304 (14.02)	0.9253 (9.54)	0.9017 (15.70)	0.8969 (12.28)	0.9292 (25.68)
led7digit	10.97	no	0.9258 (10.72)	0.9322 (14.42)	0.9134 (10.74)	0.9309 (14.38)	0.9301 (12.72)	0.9125 (18.40)	0.9135 (25.24)	0.9319 (26.12)
		rus	0.9286 (10.96)	0.9311 (14.60)	0.9127 (10.76)	0.9232 (12.64)	0.9322 (11.72)	0.9149 (18.88)	0.9146 (24.44)	0.9314 (25.00)
		smote	0.9285 (10.50)	0.9313 (14.80)	0.9157 (9.60)	0.9267 (13.08)	0.9311 (11.42)	0.9144 (15.64)	0.9112 (25.32)	0.9318 (25.40)
— IR(30-40) —										
yeast-21897	30.56	no	0.7698 (12.94)	0.7696 (18.26)	0.6700 (8.66)	0.7153 (15.34)	0.7610 (20.04)	0.6265 (6.28)	0.6172 (6.44)	0.7681 (27.80)
		rus	0.7693 (13.72)	0.7711 (18.18)	0.6798 (9.14)	0.7210 (13.56)	0.7662 (21.78)	0.6477 (5.96)	0.6406 (5.48)	0.7688 (27.72)
		smote	0.7655 (13.12)	0.7640 (16.72)	0.6619 (9.54)	0.7151 (14.54)	0.7613 (21.18)	0.6308 (6.32)	0.6213 (5.96)	0.7712 (28.02)
yeast-5	32.78	no	0.7835 (26.92)	0.7737 (20.32)	0.7455 (28.24)	0.7752 (25.18)	0.7851 (18.88)	0.7008 (28.34)	0.6810 (27.50)	0.7705 (29.62)
		rus	0.7839 (26.52)	0.7732 (19.62)	0.7436 (27.78)	0.7738 (23.94)	0.7854 (19.14)	0.6977 (28.70)	0.6906 (28.68)	0.7705 (29.56)
		smote	0.7817 (26.98)	0.7743 (19.92)	0.7418 (26.90)	0.7744 (23.54)	0.7839 (18.80)	0.6954 (28.26)	0.6865 (27.88)	0.7705 (29.76)
yeast-6	39.15	no	0.9139 (15.20)	0.9228 (22.72)	0.7652 (10.92)	0.8792 (20.44)	0.9102 (22.98)	0.6030 (6.96)	0.5860 (6.00)	0.9202 (29.00)
		rus	0.9125 (15.04)	0.9223 (24.42)	0.7659 (13.44)	0.8796 (20.30)	0.9099 (21.90)	0.6376 (7.82)	0.6118 (7.20)	0.9184 (28.96)
		smote	0.9163 (14.34)	0.9226 (22.90)	0.8046 (12.98)	0.8829 (20.24)	0.9118 (22.92)	0.6125 (5.86)	0.6026 (5.18)	0.9214 (28.94)
— IR(100-) —										
abalone-19	128.87	no	0.8049 (9.34)	0.7818 (12.50)	0.7555 (1.08)	0.7598 (2.02)	0.7603 (15.18)	0.7555 (1.42)	0.7555 (1.42)	0.7660 (12.96)
		rus	0.7938 (8.74)	0.7903 (14.28)	0.7647 (1.02)	0.7727 (1.86)	0.7664 (16.36)	0.7647 (1.02)	0.7647 (1.02)	0.7681 (16.14)
		smote	0.7934 (8.90)	0.7952 (13.84)	0.7516 (1.02)	0.7544 (1.62)	0.7472 (13.88)	0.7516 (1.52)	0.7516 (1.52)	0.7697 (14.30)