

Name	IR	sampling	Direct	Kappa	Boost	UWA	DWA	UDWA	UDWA_Enf	Random
— IR(1-3) —										
glass-1	1.82	no	0.7342 (16.56)	0.7288 (14.38)	0.7197 (6.26)	0.7188 (11.64)	0.7335 (10.48)	0.6959 (3.86)	0.6959 (3.86)	0.7135 (2.28)
		rus	0.7243 (15.96)	0.7149 (17.36)	0.7169 (5.62)	0.7098 (9.98)	0.7424 (10.16)	0.7188 (3.68)	0.7188 (3.68)	0.7262 (1.96)
		smote	0.7437 (15.06)	0.7394 (16.06)	0.7218 (5.68)	0.7224 (9.66)	0.7460 (10.32)	0.7139 (4.32)	0.7139 (4.32)	0.7234 (1.04)
ecoli-01	1.86	no	0.9748 (2.70)	0.9748 (2.70)	0.9797 (3.02)	0.9785 (3.98)	0.9793 (3.10)	0.9787 (4.32)	0.9787 (4.32)	0.9699 (5.52)
		rus	0.9790 (3.00)	0.9790 (3.00)	0.9791 (3.04)	0.9780 (3.76)	0.9797 (3.18)	0.9791 (4.12)	0.9791 (4.12)	0.9703 (5.16)
		smote	0.9744 (3.18)	0.9744 (3.18)	0.9750 (3.00)	0.9762 (4.14)	0.9705 (3.18)	0.9747 (3.96)	0.9747 (3.96)	0.9684 (9.04)
yeast-1	2.46	no	0.7114 (17.94)	0.6946 (15.34)	0.5861 (8.44)	0.6182 (13.12)	0.6550 (13.32)	0.5427 (16.78)	0.5058 (18.32)	0.5592 (17.44)
		rus	0.7064 (17.32)	0.6989 (15.52)	0.5834 (8.76)	0.6161 (13.16)	0.6542 (13.44)	0.5425 (12.40)	0.4981 (17.02)	0.5610 (13.92)
		smote	0.7107 (17.12)	0.6983 (14.38)	0.5925 (8.48)	0.6217 (12.40)	0.6618 (14.26)	0.5488 (15.84)	0.5100 (16.66)	0.5726 (15.44)
— IR(8-12) —										
yeast-3	8.11	no	0.8968 (14.94)	0.8865 (13.20)	0.8626 (8.96)	0.8731 (11.52)	0.8711 (10.64)	0.7044 (8.78)	0.5309 (18.24)	0.8157 (6.80)
		rus	0.8812 (16.40)	0.8651 (12.26)	0.8678 (9.54)	0.8739 (10.88)	0.8800 (11.34)	0.7378 (10.40)	0.5776 (19.16)	0.8071 (7.96)
		smote	0.8960 (14.58)	0.8843 (13.96)	0.8601 (9.46)	0.8738 (9.58)	0.8772 (10.30)	0.7580 (12.12)	0.5935 (20.22)	0.8111 (7.64)
ecoli-0675	10	no	0.7804 (7.90)	0.7809 (7.20)	0.8223 (6.58)	0.8076 (7.48)	0.8373 (5.94)	0.6843 (10.92)	0.4855 (15.92)	0.5821 (12.12)
		rus	0.7958 (9.34)	0.7916 (8.52)	0.8032 (6.62)	0.8045 (9.04)	0.8297 (5.98)	0.7445 (12.94)	0.5089 (18.78)	0.6281 (14.88)
		smote	0.7717 (8.06)	0.7834 (7.64)	0.8224 (6.68)	0.8032 (9.08)	0.8038 (6.24)	0.7132 (10.14)	0.5042 (17.74)	0.5723 (13.60)
led7digit	10.97	no	0.8748 (8.18)	0.8732 (6.70)	0.8709 (4.38)	0.8631 (6.34)	0.8764 (5.32)	0.5640 (4.16)	0.0685 (2.38)	0.8606 (15.08)
		rus	0.8709 (8.14)	0.8672 (6.22)	0.8722 (3.90)	0.8683 (5.84)	0.8634 (6.36)	0.5025 (2.90)	0.0817 (3.12)	0.8704 (15.38)
		smote	0.8653 (9.14)	0.8596 (6.76)	0.8632 (5.04)	0.8595 (6.54)	0.8650 (5.00)	0.5463 (5.22)	0.0627 (2.94)	0.8565 (16.62)
— IR(30-40) —										
yeast-21897	30.56	no	0.4957 (8.16)	0.4469 (4.36)	0.4098 (2.04)	0.4294 (5.12)	0.4756 (3.76)	0.3738 (1.04)	0.0000 (1.00)	0.4053 (2.56)
		rus	0.6073 (9.96)	0.5439 (4.88)	0.4685 (1.80)	0.4883 (4.54)	0.5288 (3.06)	0.4244 (1.12)	0.0000 (1.00)	0.4464 (2.30)
		smote	0.4955 (8.66)	0.4447 (4.76)	0.4078 (1.84)	0.4546 (4.64)	0.4667 (3.72)	0.3718 (1.08)	0.0000 (1.00)	0.3874 (2.52)
yeast-5	32.78	no	0.7065 (17.06)	0.6946 (16.12)	0.5877 (7.88)	0.6286 (14.72)	0.6567 (14.64)	0.5342 (16.60)	0.4899 (16.26)	0.5585 (14.16)
		rus	0.7063 (17.14)	0.6931 (15.78)	0.5811 (9.20)	0.6159 (13.72)	0.6590 (13.56)	0.5411 (14.32)	0.5104 (19.22)	0.5616 (11.68)
		smote	0.7070 (16.64)	0.6911 (15.72)	0.5758 (8.48)	0.6111 (14.72)	0.6518 (14.68)	0.5276 (13.12)	0.4945 (17.18)	0.5523 (14.76)
yeast-6	39.15	no	0.7576 (14.76)	0.6070 (11.16)	0.3150 (4.24)	0.5163 (8.10)	0.5673 (8.96)	0.2223 (1.24)	0.0000 (1.00)	0.2804 (4.24)
		rus	0.6847 (16.16)	0.5515 (10.54)	0.4010 (3.76)	0.5427 (8.46)	0.5456 (8.80)	0.2850 (1.24)	0.0000 (1.00)	0.3157 (3.72)
		smote	0.7631 (14.86)	0.6141 (9.16)	0.3593 (4.00)	0.5282 (8.88)	0.5565 (9.72)	0.2286 (1.72)	0.0000 (1.00)	0.3055 (4.20)
— IR(100-) —										
abalone-19	128.87	no	0.7204 (5.96)	0.7403 (1.08)	0.7399 (1.00)	0.7400 (1.02)	0.7399 (1.00)	0.7399 (1.00)	0.0000 (1.00)	0.7399 (1.00)
		rus	0.7295 (6.22)	0.7567 (1.24)	0.7492 (1.00)	0.7494 (1.04)	0.7492 (1.00)	0.7492 (1.00)	0.0000 (1.00)	0.7492 (1.00)
		smote	0.7026 (5.92)	0.7256 (1.00)	0.7256 (1.00)	0.7256 (1.00)	0.7256 (1.00)	0.7256 (1.00)	0.0000 (1.00)	0.7269 (1.04)