AUROC Consistency across methods and datasets (downsampling)

PIDC

Kim23 — % Cells (rows) × % Reads (columns)

% Cells \ % Reads	10	20	30	40	50	60	70	80	90	100
100	.63	.66	.65	.68	.75	.75	.78	.76	.77	.79
90	.60	.61	.69	.71	.74	.77	.77	.78	.78	.79
80	.61	.62	.68	.70	.73	.76	.77	.76	.77	.78
70	.61	.63	.70	.71	.72	.78	.78	.78	.79	.80
60	.61	.63	.67	.70	.71	.76	.79	.80	.79	.80
50	.61	.60	.67	.67	.72	.70	.74	.76	.76	.78
40	.60	.64	.65	.70	.72	.72	.75	.76	.77	.77
30	.57	.62	.66	.69	.70	.74	.73	.77	.78	.78
20	.59	.62	.64	.68	.69	.72	.72	.75	.78	.77
10	.57	.59	.60	.67	.67	.69	.70	.74	.73	.75

Buenrostro18 — % Cells (rows) × % Reads (columns)

% Cells \ % Reads	10	20	30	40	50	60	70	80	90	100
100	.61	.62	.64	.65	.66	.67	.67	.68	.69	.69
90	.59	.61	.65	.64	.65	.67	.67	.68	.69	.70
80	.58	.60	.62	.65	.65	.67	.68	.69	.69	.70
70	.59	.63	.63	.63	.66	.67	.65	.67	.69	.68
60	.58	.60	.62	.66	.65	.64	.67	.68	.68	.69
50	.60	.62	.62	.65	.64	.65	.66	.69	.67	.69
40	.59	.63	.64	.64	.65	.65	.68	.67	.69	.69
30	.57	.58	.62	.64	.68	.68	.67	.68	.69	.69
20	.57	.60	.61	.65	.65	.66	.68	.68	.70	.69
10	.55	.59	.62	.60	.63	.65	.64	.69	.69	.70

GRNBOOST2

Kim23 — % Cells (rows) × % Reads (columns)

% Cells \ % Reads	10	20	30	40	50	60	70	80	90	100
100	.55	.63	.65	.68	.74	.73	.76	.74	.75	.75
90	.54	.60	.67	.70	.73	.75	.75	.77	.76	.76
80	.55	.60	.68	.69	.71	.75	.75	.74	.75	.75
70	.55	.59	.67	.69	.72	.75	.75	.75	.76	.76
60	.54	.59	.66	.69	.70	.74	.76	.77	.76	.77
50	.54	.57	.62	.67	.71	.70	.73	.73	.74	.75
40	.54	.59	.63	.69	.71	.71	.73	.73	.74	.74
30	.53	.57	.63	.67	.70	.71	.71	.74	.74	.74
20	.53	.58	.61	.64	.65	.68	.69	.72	.74	.74
10	.52	.56	.57	.62	.64	.66	.66	.71	.71	.71

Buenrostro18 — % Cells (rows) × % Reads (columns)

% Cells \ % Reads	10	20	30	40	50	60	70	80	90	100
100	.58	.59	.61	.62	.64	.65	.65	.66	.67	.67
90	.58	.60	.62	.62	.64	.65	.65	.66	.67	.68
80	.57	.59	.62	.63	.63	.64	.66	.66	.66	.67
70	.57	.61	.60	.62	.64	.64	.65	.67	.66	
60	.58	.59	.62	.63	.63	.62	.65	.66	.65	.67
50	.58	.59	.63	.63	.63	.64	.67	.65	.66	
40	.55	.59	.63	.62	.63	.65	.64	.67	.67	
30	.55	.57	.60	.62	.65	.66	.64	.67	.67	.67
20	.56	.59	.58	.63	.63	.64	.66	.66	.68	.67
10	.55	.56	.59	.60	.61	.64	.62	.66	.66	.66

GENIE3

Kim23 — % Cells (rows) × % Reads (columns)

% Cells \ % Reads	10	20	30	40	50	60	70	80	90	100
100	.63	.65	.64	.67	.74	.73	.75	.73	.75	.76
90	.60	.61	.67	.70	.72	.74	.74	.76	.76	.76
80	.62	.62	.67	.69	.72	.74	.75	.74	.75	.75
70	.61	.63	.68	.70	.71	.75	.75	.75	.76	.77
60	.61	.63	.66	.69	.70	.74	.76	.78	.76	.77
50	.61	.61	.65	.67	.70	.70	.73	.73	.74	.75
40	.60	.62	.63	.69	.71	.71	.73	.73	.74	.75
30	.57	.62	.65	.67	.70	.72	.71	.74	.75	.76
20	.59	.63	.65	.66	.68	.71	.70	.73	.76	.77
10	.59	.60	.62	.67	.67	.70	.70	.74	.74	.75

Buenrostro18 — % Cells (rows) × % Reads (columns)

% Cells \ % Reads	10	20	30	40	50	60	70	80	90	100
100	.61	.61	.62	.63	.64	.65	.65	.65	.67	.67
90	.59	.60	.63	.62	.65	.66	.65	.66	.66	.67
80	.59	.60	.61	.63	.63	.65	.66	.66	.67	.67
70	.60	.62	.63	.62	.64	.65	.64	.65	.67	.67
60	.59	.60	.61	.64	.63	.62	.65	.66	.66	.67
50	.60	.62	.61	.64	.63	.64	.65	.67	.66	.67
40	.59	.63	.63	.63	.63	.64	.66	.65	.67	.67
30	.58	.59	.63	.64	.67	.67	.66	.67	.68	.68
20	.57	.61	.61	.66	.65	.65	.67	.67	.69	.68
10	.56	.60	.62	.61	.64	.65	.64	.68	.68	.68