1	Measures
2	Algorithms
3	Average Ranks
3	Average names
	Critical value for Nemenyi test ($\alpha = 0.05$) and 29 sets: 0.61548592777733 Critical value for Dunn test ($\alpha = 0.05$) and 29 sets: 0.683779959699682

x
1 Hamming.Loss
2 Zero.One.Loss
3 X1.Prec.Loss
4 X1.Rec.Loss
5 Tversky.LossA0.5B0.5
6 MacroPrecisionM
7 MacroRecallM
8 Macro_Tversky_A0.5_B0.5
9 MicroPrecisionM

9 MicroPrecisionM 10 MicroRecallM 11 MicroTversky_A0.5B_0.5

x
1 BR-ref
2 BR-MB
3 BR-RRC

 Hamming.Loss
 1.983
 1.879
 2.138

 Zero.One.Loss
 2.190
 1.983
 1.828

 X1.Prec_Loss
 2.086
 1.741
 2.172

 X1.Rec_Loss
 2.069
 2.207
 1.724

 Tversky.LossA0.5B0.5
 2.052
 1.776
 2.172

 MacroPrecisionM
 2.293
 1.672
 2.034

 Macro-Tversky_A0.5_B0.5
 2.362
 1.879
 1.759

 MicroPrecisionM
 2.052
 1.914
 2.034

 MicroRecallM
 2.241
 2.207
 1.552

 MicroTversky_A0.5B_0.5
 2.328
 1.948
 1.724

 Table 1: Average ranks

4 Group Test

Test Function: function (y, ...) Test Function: UseMethod("friedman.test")

GroupTest - pValue 1.000000 Zero.One.Loss 1.000000X1.Prec_Loss 1.000000 $X1.Rec_Loss$ 0.967730Tversky. Loss A 0.5B 0.51.000000MacroPrecisionM 0.465782 $\begin{array}{c} 0.218280 \\ 0.455945 \end{array}$ MacroRecallMMacro_Tversky_A0.5_B0.5 MicroPrecisionM 1.000000 $\begin{array}{c} 0.127678 \\ 0.465782 \end{array}$ MicroRecallMMicroTversky_A0.5B_0.5 Table 2: Group test p-value

5 Pairwise Tests

Correction method: holm
Test Function: function (x, ...)
Test Function: UseMethod("wilcox.test")

 Rank
 1.983
 1.879
 2.138

 1
 0.741
 0.138

 2
 0.087

Table 3: Pairwise test for Hamming.Loss

 Rank
 2.190
 1.983
 1.828

 1
 0.548
 0.785

 2
 0.785

Table 4: Pairwise test for Zero.One.Loss

 Rank
 2.086
 1.741
 2.172

 1
 0.723
 1.000

 2
 1.000

Table 5: Pairwise test for X1.Prec Loss

ယ

6 Formatted Pairwise

	1	2	3	1	2	3	1	2	3	1	2	3		
Nam.	I	Hammin	g	7	Zero-On	е		ExFDR			ExFNR			
Frd.	1	.000e + 0	0	1	.000e + 0	0	1	.000e + 0	0	9.677e-01				
Rank	1.983	1.879	2.138	2.190	1.983	1.828	2.086	1.741	2.172	2.069	2.207	1.724		
1		0.741	0.138		0.548	0.785		0.723	1.000		0.933	0.395		
2			0.087			0.785			1.000			0.331		
Nam.		ExF1			MaFDR	,		MaFNR	,	MaF1				
Frd.	1	.000e + 0	0	4	4.658e-0	1	2	2.183e-0	1	4.559e-01				
Rank	2.052	1.776	2.172	2.293	1.672	2.034	2.241	2.172	1.586	2.362	1.879	1.759		
1		0.999	1.000		0.040	0.336		0.182	0.073		0.007	0.073		
2			1.000			0.287			0.096			0.205		
Nam.		MiFDR			MiFNR			MiF1						
Frd.	1	.000e + 0	0	1.277e-01			4	4.658e-0	1					
Rank	2.052	1.914	2.034	2.241	2.207	1.552	2.328	1.948	1.724					
1		1.000	1.000		0.464	0.036		0.094	0.101					
2			1.000			0.028			0.230					

7 Alg Vs test

Correction method: holm
Test Function: function (x, ...)
Test Function: UseMethod("wilcox.test")
Algorithms: 1 vs rest

 Rank
 1.983
 1.879
 2.138

 1
 0.741
 0.138

Table 14: Pairwise test for Hamming.Loss

Table 15: Pairwise test for Zero.One.Loss

 Rank
 2.086
 1.741
 2.172

 1
 0.482
 0.949

Table 16: Pairwise test for X1.Prec Loss

 Rank
 2.069
 2.207
 1.724

 1
 0.933
 0.395

Table 17: Pairwise test for X1.Rec Loss

 Rank
 2.293
 1.672
 2.034

 1
 0.027
 0.336

Table 24: Pairwise test for MicroTversky A0.5B 0.5

8 Formatted Alg vs test

 $\begin{array}{|c|c|c|c|c|c|c|c|c|c|}\hline & 1 & 2 & 3 & 1 & 2 & 3 & 1 & 2 & 3 & 1 & 2 & 3 \\ \hline Nam. & Hamming & Zero-One & ExFDR & ExFNR \\ Frd. & <math>1.000e+00$ & 1.000e+00 & 1.000e+00 & 9.677e-01 \\ \hline Rank & 1.983 & 1.879 & 2.138 & 2.190 & 1.983 & 1.828 & 2.086 & 1.741 & 2.172 & 2.069 & 2.207 & 1.724 & 1.000e+00 & 0.741 & 0.138 & 0.366 & 0.393 & 0.482 & 0.949 & 0.933 & 0.395 & 0.482 & 0.949 & 0.933 & 0.395 & 0.933 & 0.395 & 0.933 & 0.395 & 0.933 & 0.395 & 0.933 & 0.395 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.933 & 0.935 & 0.935 & 0.933 & 0.935 & 0.935 & 0.933 & 0.935 & 0.935 & 0.933 & 0.935

 ∞

9 Given pairs

Correction method: holm
Test Function: function (x, ...)
Test Function: UseMethod("wilcox.test")

> Rank 2.293 1.672 2.034 1 0.013

10 Formatted selected

11 Set Names

12 Raw Means

11

1	2	3	1	2	3	1	2	3	1	2	3		
I	Iammin	g	7	Zero-One	е		ExFDR	,	ExFNR				
1	.000e + 0	0	1	.000e + 0	0	1	.000e + 0	00	9.677e-01				
1.983	1.879	2.138	2.190	1.983	1.828	2.086	1.741	2.172	2.069	2.207	1.72		
	0.741			0.183			0.241		0.933				
	ExF1			MaFDR	,		MaFNR	L .	MaF1				
1	.000e + 0	0	4	1.658e-01	1	4	2.183e-0	1	4.559e-01				
2.052	1.776	2.172	2.293	1.672	2.034	2.241	2.172	1.586	2.362	1.879	1.75		
	0.333			0.013			0.182			0.002			
	MiFDR			MiFNR			MiF1						
1	.000e + 0	0	1	.277e-01	1	4	4.658e-0	1					
2.052	1.914	2.034	2.241	2.207	1.552	2.328	1.948	1.724					
	0.936			0.464									
	1.983 1.2.052	Hammin 1.000e+0 1.983 1.879 0.741 ExF1 1.000e+0 2.052 1.776 0.333 MiFDR 1.000e+0 2.052 1.914	Hamming 1.000e+00 1.983 1.879 2.138 0.741 ExF1 1.000e+00 2.052 1.776 2.172 0.333 MiFDR 1.000e+00 2.052 1.914 2.034	Hamming 1.000e+00 1 1.983 1.879 2.138 2.190 0.741 ExF1 1.000e+00 2.052 1.776 2.172 2.293 0.333 MiFDR 1.000e+00 1 2.052 1.914 2.034 2.241	Hamming Zero-One 1.000e+00 1.000e+0 1.983 1.879 2.138 2.190 1.983 0.741 0.183 ExF1 MaFDR 1.000e+00 4.658e-0 2.052 1.776 2.172 2.293 1.672 0.333 0.013 MiFDR MiFNR 1.000e+00 1.277e-0 2.052 1.914 2.034 2.241 2.207	Hamming Zero-One 1.000e+00 1.000e+00 1.983 1.879 2.138 2.190 1.983 1.828 0.741 0.183 ExF1 MaFDR 1.000e+00 4.658e-01 2.052 1.776 2.172 2.293 1.672 2.034 0.333 0.013 MiFDR MiFNR 1.000e+00 1.277e-01 2.052 1.914 2.034 2.241 2.207 1.552	Hamming Zero-One 1.000e+00 1 1.983 1.879 2.138 2.190 1.983 1.828 2.086 0.741 0.183 0.183 0.183 0.183 0.183 0.183 0.003 0.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Hamming Zero-One ExFDR 1.000e+00 1.000e+00 1.000e+00 9 1.983 1.879 2.138 2.190 1.983 1.828 2.086 1.741 2.172 2.069 0.741 0.183 0.241 <t< td=""><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td></t<>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		

	$\operatorname{orgSetNames}$	numericSetNames
1	Arts1_100	1
2	Azotobacter_vinelandii	2
3	birds	3
4	Caenorhabditis_elegans	4
5	Drosophila_melanogaster	5
6	emotions	6
7	enron	7
8	flags	8
9	$flare2_mlClass$	9
10	genbase	10
11	Geobacter-sulfurreducens	11
12	Haloarcula_marismortui	12
13	Human3160	13
14	$IMDB_sub_0$	14
15	LLOG-F	15
16	medical	16
17	$\operatorname{mimlImg}$	17
18	ohsumed	18
19	Plant978	19
20	pyrococcus_furiosus	20
21	Saccharomyces_cerevisiae	21
22	scene	22
23	$\operatorname{simpleHC}$	23
24	simpleHS	24
25	SLASHDOT-F	25
26	$stackex_chess$	26
27	$tmc2007\text{-}500_sub_0$	27
28	water-quality_mlClass	28
29	yeast	29

Table 36: Set names

	BR-ref	BR-MB	BR-RRC
1	0.065	0.066	0.064
2	0.121	0.136	0.208
3	0.063	0.052	0.044
4	0.104	0.091	0.089
5	0.121	0.104	0.129
6	0.242	0.224	0.214
7	0.070	0.065	0.051
8	0.260	0.263	0.314
9	0.079	0.073	0.085
10	0.002	0.002	0.010
11	0.116	0.128	0.229
12	0.115	0.148	0.178
13	0.156	0.156	0.576
14	0.090	0.090	0.852
15	0.049	0.049	0.015
16	0.013	0.013	0.010
17	0.233	0.220	0.212
18	0.066	0.066	0.057
19	0.160	0.160	0.630
20	0.125	0.135	0.359
21	0.085	0.097	0.130
22	0.133	0.130	0.099
23	0.133	0.121	0.122
24	0.224	0.241	0.441
25	0.045	0.045	0.039
26	0.073	0.076	0.079
27	0.082	0.080	0.067
28	0.310	0.313	0.339
29	0.233	0.223	0.310

8 0.297 0.308 0.340
9 0.195 0.189 0.200
10 0.011 0.011 0.116
11 0.532 0.549 0.606
12 0.477 0.552 0.573
13 0.805 0.805 0.821
14 0.813 0.813 0.915
15 0.771 0.770 0.756
16 0.254 0.253 0.197
17 0.570 0.553 0.497
18 0.508 0.508 0.501
19 0.821 0.820 0.867
20 0.636 0.621 0.728
21 0.460 0.475 0.549
22 0.444 0.441 0.323
23 0.298 0.252 0.181
24 0.624 0.614 0.678
25 0.539 0.542 0.565
26 0.532 0.555 0.556
27 0.389 0.380 0.298
28 0.412 0.425 0.446
29 0.363 0.348 0.426 Table 39: Mean value for: X1.Prec Loss
 BR-ref
 BR-MB
 BR-RRC

 1
 0.644
 0.871
 0.737

 2
 0.562
 0.554
 0.550

 3
 0.412
 0.370
 0.348

 4
 0.468
 0.355
 0.336

 5
 0.475
 0.346
 0.357

 6
 0.437
 0.445
 0.393

 7
 0.460
 0.483
 0.536

 8
 0.278
 0.282
 0.238

 9
 0.195
 0.190
 0.195

 10
 0.016
 0.016
 0.145

 11
 0.551
 0.576
 0.565

 12
 0.517
 0.576
 0.547

 13
 0.691
 0.277

 14
 0.853
 0.852
 0.072

 15
 0.631
 0.632
 0.772

 16
 0.159
 0.160
 0.200

 17
 0.534
 0.551
 0.501

 18
 0.488
 0.488
 0.586

 19
 0 Table 40: Mean value for: X1.Rec Loss

 BR-ref
 BR-MB
 BR-RRC

 1
 0.818
 0.930
 0.820

 2
 0.612
 0.605
 0.663

 3
 0.575
 0.501
 0.493

 4
 0.509
 0.394
 0.381

 5
 0.522
 0.384
 0.433

 6
 0.810
 0.777
 0.719

 7
 0.918
 0.907
 0.883

 8
 0.830
 0.806
 0.852

 9
 0.199
 0.190
 0.205

 10
 0.054
 0.054
 0.183

 11
 0.586
 0.623
 0.699

 12
 0.598
 0.680
 0.680

 13
 0.929
 0.925

 14
 0.965
 0.966
 0.996

 15
 0.847
 0.845
 0.788

 16
 0.428
 0.426
 0.321

 17
 0.736
 0.700
 0.653

 18
 0.810
 0.769

 19
 0.915
 0

Table 38: Mean value for: Zero.One.Loss

BR-ref BR-MB BR-RRC

 BR-ref
 BR-MB
 BR-RRC

 1
 0.652
 0.871
 0.697

 2
 0.545
 0.546
 0.587

 3
 0.428
 0.363
 0.332

 4
 0.433
 0.330
 0.326

 5
 0.439
 0.314
 0.352

 6
 0.418
 0.393
 0.344

 7
 0.487
 0.478
 0.361

 $8 \quad 0.297 \quad 0.308 \quad 0.340$

 BR-ref
 BR-MB
 BR-RRC

 1
 0.671
 0.880
 0.734

 2
 0.565
 0.561
 0.598

 3
 0.434
 0.381
 0.356

 4
 0.467
 0.358
 0.346

 5
 0.477
 0.347
 0.376

 6
 0.461
 0.450
 0.400

 7
 0.508
 0.511
 0.498

 8
 0.300
 0.306
 0.318

 9
 0.195
 0.190
 0.199

 10
 0.017
 0.017
 0.137

 11
 0.547
 0.572
 0.619

 12
 0.513
 0.584
 0.588

 13
 0.779
 0.779
 0.781

 14
 0.851
 0.850
 0.864

Table 41: Mean value for: Tversky.LossA0.5B0.5

8 0.329 0.338 0.280
9 0.928 0.912 0.831
10 0.107 0.107 0.303
11 0.894 0.844 0.670
12 0.829 0.767 0.708
13 0.796 0.797 0.385
14 0.934 0.934 0.085
15 0.609 0.609 0.686
16 0.219 0.212 0.300
17 0.548 0.568 0.520
18 0.573 0.573 0.718
19 0.740 0.740 0.299
20 0.924 0.791 0.536
21 0.963 0.892 0.818
22 0.366 0.373 0.300
23 0.588 0.598 0.524
24 0.868 0.820 0.513
25 0.513 0.515 0.633
26 0.638 0.667 0.758
27 0.482 0.473 0.603
28 0.552 0.531 0.467
29 0.626 0.604 0.437 Table 43: Mean value for: MacroRecallM BR-ref BR-MB BR-RRC

1 0.708 0.856 0.841
2 0.865 0.798 0.773
3 0.689 0.681 0.577
4 0.690 0.532 0.505
5 0.812 0.616 0.575
6 0.429 0.409 0.378
7 0.753 0.751 0.727
8 0.344 0.350 0.360
9 0.899 0.900 0.835
10 0.112 0.112 0.269
11 0.889 0.809 0.771
12 0.833 0.755 0.737
13 0.846 0.846 0.856
14 0.943 0.943 0.879
15 0.681 0.681 0.682
16 0.264 0.258 0.302
17 0.509 0.506 0.469
18 0.569 0.569 0.657
19 0.810 0.809 0.847
20 0.921 0.757 0.757
21 0.945 0.851 0.813
22 0.363 0.361 0.276
23 0.463 0.445 0.406
24 0.831 0.782 0.677
25 0.538 0.540 0.595
26 0.631 0.650 0.738
27 0.517 0.507 0.543
28 0.538 0.508 0.487
29 0.616 0.588 0.551 Table 44: Mean value for: Macro Tversky A0.5 B0.5

 BR-ref
 BR-MB
 BR-RRC

 1
 0.620
 0.698
 0.733

 2
 0.807
 0.733
 0.781

 3
 0.663
 0.611
 0.489

 4
 0.376
 0.319
 0.330

 5
 0.571
 0.368
 0.548

 6
 0.368
 0.340
 0.326

 7
 0.734
 0.728
 0.658

 8
 0.333
 0.333
 0.375

 9
 0.773
 0.837
 0.771

 10
 0.115
 0.115
 0.210

 11
 0.870
 0.704
 0.786

 12
 0.824
 0.708
 0.723

 13
 0.855
 0.855
 0.910

 14
 0.903
 0.903
 0.929

 15
 0.691
 0.665

 16
 0.274
 0.267
 0.293

 17
 0.454
 0.418
 0.398

 18
 0.536
 0.433
 0.905

 20
 0

Table 42: Mean value for: MacroPrecisionM

 BR-ref
 BR-MB
 BR-RRC

 1
 0.717
 0.887
 0.873

 2
 0.873
 0.820
 0.705

 3
 0.658
 0.688
 0.597

 4
 0.757
 0.631
 0.593

 5
 0.866
 0.715
 0.592

 6
 0.448
 0.449
 0.404

 7
 0.721
 0.734
 0.751

 $8 \quad 0.329 \quad 0.338 \quad 0.280$

 BR-ref
 BR-MB
 BR-RRC

 1
 0.514
 0.562
 0.448

 2
 0.626
 0.667
 0.763

 3
 0.585
 0.466
 0.353

 4
 0.379
 0.310
 0.310

 5
 0.503
 0.351
 0.533

 6
 0.374
 0.333
 0.325

 7
 0.544
 0.509
 0.342

 8
 0.278
 0.279
 0.342

 9
 0.614
 0.761
 0.619

 10
 0.022
 0.022
 0.009

 11
 0.505
 0.614
 0.760

 12
 0.392
 0.629
 0.679

 13
 0.792
 0.792
 0.901
 $13 \quad 0.792 \quad 0.792 \quad 0.901$ 26 0.473 0.498 0.520 27 0.403 0.395 0.302 28 0.415 0.423 0.467 $29 \quad 0.376 \quad 0.359 \quad 0.503$ Table 45: Mean value for: MicroPrecisionM

 BR-ref
 BR-MB
 BR-RRC

 1
 0.690
 0.893
 0.774

 2
 0.886
 0.821
 0.689

 3
 0.579
 0.613
 0.552

 4
 0.742
 0.613
 0.575

 5
 0.853
 0.698
 0.576

 6
 0.434
 0.437
 0.390

 7
 0.485
 0.500
 0.571

 8
 0.247
 0.256
 0.224

 9
 0.888
 0.946
 0.808

 10
 0.030
 0.030
 0.206

 11
 0.895
 0.833
 0.653

 12
 0.776
 0.726
 0.658

 13
 0.700
 0.287

 14
 0.863
 0.862
 0.075

 15
 0.750
 0.751
 0.911

 16
 0.169
 0.215

 17
 0.555
 0.575
 0.526

 18
 0.519
 0.627

 19
 0.721
 0.721
 0

 $\begin{array}{|c|c|c|c|c|}\hline & BR-ref & BR-MB & BR-RRC\\\hline 1 & 0.622 & 0.829 & 0.687\\ 2 & 0.830 & 0.773 & 0.752\\ 3 & 0.583 & 0.560 & 0.477\\ 4 & 0.637 & 0.506 & 0.477\\ 5 & 0.776 & 0.590 & 0.557\\ 6 & 0.407 & 0.390 & 0.360\\ 7 & 0.517 & 0.505 & 0.481\\ 8 & 0.264 & 0.268 & 0.292\\ 9 & 0.843 & 0.917 & 0.767\\ 10 & 0.026 & 0.026 & 0.119\\ 11 & 0.830 & 0.770 & 0.742\\ 12 & 0.675 & 0.688 & 0.679\\ 13 & 0.755 & 0.754 & 0.827\\ 14 & 0.822 & 0.822 & 0.866\\ 15 & 0.861 & 0.861 & 0.847\\ 16 & 0.225 & 0.225 & 0.187\\ 17 & 0.514 & 0.512 & 0.474\\ 18 & 0.487 & 0.487 & 0.514\\ 19 & 0.763 & 0.763 & 0.827\\ 20 & 0.879 & 0.720 & 0.731\\ 21 & 0.925 & 0.836 & 0.800\\ 22 & 0.375 & 0.371 & 0.286\\ 23 & 0.459 & 0.442 & 0.402\\ 24 & 0.698 & 0.666 & 0.644\\ 25 & 0.469 & 0.474 & 0.482\\ 26 & 0.559 & 0.582 & 0.634\\ 27 & 0.410 & 0.402 & 0.360\\ 28 & 0.458 & 0.455 & 0.450\\ 29 & 0.401 & 0.383 & 0.426\\ \hline \\ Table 47: Mean value for: MicroTversky A0.5B 0.5\\ \hline \end{array}$

13 Combined Means

На	mming.Loss.BR.ref Hamn	ning.Loss.BR.MB Hamr	ming.Loss.BR.RRC Zero	o.One.Loss.BR.ref Zero.	One.Loss.BR.MB Zero.	One.Loss.BR.RRC X1.Pr	rec Loss.BR.ref X1.1	Prec Loss.BR.MB X1.F	rec Loss.BR.RRC X1.R	Rec Loss.BR.ref X1.F	Rec Loss.BR.MB X1.R	ec Loss.BR.RRC Tversky	v.LossA0.5B0.5.BR.ref Tversky.I	Loss A0.5B0.5.BR.MB Tversky.I	Loss A0.5B0.5.BR.BRC Macrol	recisionM.BR.ref Macrol	PrecisionM.BR.MB Macr	roPrecisionM.BR.RRC Macr	oRecallM.BR.ref Ma	acroRecallM.BR.MB Macr	roRecallM.BR.RRC Macro	_Tversky_A0.5_B0.5.BR.ref Macro_Tve
Arts1_100	0.065	0.066	0.064	0.818	0.930	0.820	0.652	0.871	0.697	0.644	0.871	0.737	0.671	0.880	0.734	0.620	0.698	0.733	0.717	0.887	0.873	0.708
$Azotobacter_vinelandii$	0.121	0.136	0.208	0.612	0.605	0.663	0.545	0.546	0.587	0.562	0.554	0.550	0.565	0.561	0.598	0.807	0.733	0.781	0.873	0.820	0.705	0.865
birds	0.063	0.052	0.044	0.575	0.501	0.493	0.428	0.363	0.332	0.412	0.370	0.348	0.434	0.381	0.356	0.663	0.611	0.489	0.658	0.688	0.597	0.689
Caenorhabditis_elegans	0.104	0.091	0.089	0.509	0.394	0.381	0.433	0.330	0.326	0.468	0.355	0.336	0.467	0.358	0.346	0.376	0.319	0.330	0.757	0.631	0.593	0.690
$Drosophila_melanogaster$	0.121	0.104	0.129	0.522	0.384	0.433	0.439	0.314	0.352	0.475	0.346	0.357	0.477	0.347	0.376	0.571	0.368	0.548	0.866	0.715	0.592	0.812
emotions	0.242	0.224	0.214	0.810	0.777	0.719	0.418	0.393	0.344	0.437	0.445	0.393	0.461	0.450	0.400	0.368	0.340	0.326	0.448	0.449	0.404	0.429
enron	0.070	0.065	0.051	0.918	0.907	0.883	0.487	0.478	0.361	0.460	0.483	0.536	0.508	0.511	0.498	0.734	0.728	0.658	0.721	0.734	0.751	0.753
flags	0.260	0.263	0.314	0.830	0.806	0.852	0.297	0.308	0.340	0.278	0.282	0.238	0.300	0.306	0.318	0.333	0.333	0.375	0.329	0.338	0.280	0.344
$flare2_mlClass$	0.079	0.073	0.085	0.199	0.190	0.205	0.195	0.189	0.200	0.195	0.190	0.195	0.195	0.190	0.199	0.773	0.837	0.771	0.928	0.912	0.831	0.899
genbase	0.002	0.002	0.010	0.054	0.054	0.183	0.011	0.011	0.116	0.016	0.016	0.145	0.017	0.017	0.137	0.115	0.115	0.210	0.107	0.107	0.303	0.112
Geobacter-sulfurreducens	0.116	0.128	0.229	0.586	0.623	0.699	0.532	0.549	0.606	0.551	0.576	0.565	0.547	0.572	0.619	0.870	0.704	0.786	0.894	0.844	0.670	0.889
Haloarcula_marismortui	0.115	0.148	0.178	0.598	0.680	0.680	0.477	0.552	0.573	0.517	0.576	0.547	0.513	0.584	0.588	0.824	0.708	0.723	0.829	0.767	0.708	0.833
Human3160	0.156	0.156	0.576	0.929	0.929	0.925	0.805	0.805	0.821	0.691	0.691	0.277	0.779	0.779	0.781	0.855	0.855	0.910	0.796	0.797	0.385	0.846
$IMDB_sub_0$	0.090	0.090	0.852	0.965	0.966	0.996	0.813	0.813	0.915	0.853	0.852	0.072	0.851	0.850	0.864	0.903	0.903	0.929	0.934	0.934	0.085	0.943
LLOG-F	0.049	0.049	0.015	0.847	0.845	0.788	0.771	0.770	0.756	0.631	0.632	0.772	0.746	0.745	0.767	0.691	0.691	0.665	0.609	0.609	0.686	0.681
$\operatorname{medical}$	0.013	0.013	0.010	0.428	0.426	0.321	0.254	0.253	0.197	0.159	0.160	0.200	0.232	0.231	0.211	0.274	0.267	0.293	0.219	0.212	0.300	0.264
$\operatorname{mimlImg}$	0.233	0.220	0.212	0.736	0.700	0.653	0.570	0.553	0.497	0.534	0.551	0.501	0.573	0.569	0.515	0.454	0.418	0.398	0.548	0.568	0.520	0.509
ohsumed	0.066	0.066	0.057	0.810	0.810	0.769	0.508	0.508	0.501	0.488	0.488	0.586	0.534	0.534	0.572	0.536	0.536	0.433	0.573	0.573	0.718	0.569
Plant978	0.160	0.160	0.630	0.915	0.914	0.946	0.821	0.820	0.867	0.717	0.717	0.275	0.792	0.791	0.818	0.831	0.830	0.905	0.740	0.740	0.299	0.810
$pyrococcus_furiosus$	0.125	0.135	0.359	0.713	0.722	0.843	0.636	0.621	0.728	0.662	0.635	0.542	0.661	0.646	0.722	0.897	0.644	0.800	0.924	0.791	0.536	0.921
Saccharomyces_cerevisiae	0.085	0.097	0.130	0.489	0.517	0.600	0.460	0.475	0.549	0.473	0.489	0.550	0.474	0.493	0.565	0.809	0.730	0.802	0.963	0.892	0.818	0.945
scene	0.133	0.130	0.099	0.565	0.553	0.410	0.444	0.441	0.323	0.367	0.374	0.299	0.424	0.425	0.323	0.356	0.341	0.236	0.366	0.373	0.300	0.363
$\operatorname{simpleHC}$	0.133	0.121	0.122	0.742	0.709	0.700	0.298	0.252	0.181	0.492	0.504	0.416	0.447	0.433	0.360	0.203	0.077	0.196	0.588	0.598	0.524	0.463
$\operatorname{simpleHS}$	0.224	0.241	0.441	0.950	0.955	0.986	0.624	0.614	0.678	0.782	0.736	0.451	0.744	0.717	0.665	0.611	0.662	0.753	0.868	0.820	0.513	0.831
SLASHDOT-F	0.045	0.045	0.039	0.662	0.665	0.647	0.539	0.542	0.565	0.508	0.510	0.581	0.540	0.543	0.582	0.479	0.486	0.446	0.513	0.515	0.633	0.538
$stackex_chess$	0.073	0.076	0.079	0.701	0.716	0.699	0.532	0.555	0.556	0.554	0.575	0.598	0.561	0.582	0.594	0.515	0.537	0.645	0.638	0.667	0.758	0.631
$tmc2007\text{-}500_sub_0$	0.082	0.080	0.067	0.828	0.804	0.745	0.389	0.380	0.298	0.382	0.373	0.366	0.429	0.419	0.376	0.507	0.498	0.370	0.482	0.473	0.603	0.517
water-quality $_{-}$ mlClass	0.310	0.313	0.339	0.984	0.987	0.986	0.412	0.425	0.446	0.490	0.481	0.431	0.487	0.491	0.482	0.479	0.466	0.497	0.552	0.531	0.467	0.538
yeast	0.233	0.223	0.310	0.917	0.849	0.826	0.363	0.348	0.426	0.421	0.402	0.310	0.423	0.405	0.424	0.562	0.532	0.606	0.626	0.604	0.437	0.616

Table 48: Combined Mean values

14 Raw Ranks

 BR-ref
 BR-MB
 BR-RRC

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 3.000
 1.000

 2
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 20
 1.000
 2.000
 3.000

 < 29 2.000 1.000 3.000

Table 49: Ranks for: Hamming.Loss

 BR-ref
 BR-MB
 BR-RRC

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 3
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 4
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 8 2.000 1.000 3.000
9 2.000 1.000 3.000
10 1.500 1.500 3.000
11 1.000 2.000 3.000
12 1.000 3.000 2.000
13 3.000 2.000 1.000
14 1.000 2.000 3.000
15 3.000 2.000 1.000
16 3.000 2.000 1.000
17 3.000 2.000 1.000
18 3.000 2.000 1.000
19 2.000 1.000
19 2.000 3.000
20 1.000 2.000 3.000
21 1.000 2.000 3.000
22 3.000 2.000 3.000
23 3.000 2.000 1.000
24 1.000 2.000 3.000
25 2.000 3.000
26 2.000 3.000 1.000
27 3.000 2.000 1.000
28 1.000 3.000 2.000
29 3.000 2.000 1.000

Table 50: Ranks for: Zero.One.Loss

BR-ref BR-MB BR-RRC

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2 1.000 2.000 3.000
3 3.000 2.000 1.000
4 3.000 2.000 1.000
5 3.000 1.000 2.000
6 3.000 2.000 1.000
7 3.000 2.000 1.000
8 1.000 2.000 3.000
9 2.000 1.000 3.000
10 1.500 1.500 3.000
11 1.000 2.000 3.000
11 1.000 2.000 3.000
12 1.000 2.000 3.000
13 2.000 1.000 3.000
14 2.000 1.000 3.000
15 3.000 2.000 1.000
16 3.000 2.000 1.000
17 3.000 2.000 1.000
18 3.000 2.000 1.000
19 2.000 1.000
20 2.000 1.000
21 1.000 2.000 3.000
22 3.000 2.000 1.000
23 3.000 2.000 1.000
24 2.000 1.000 3.000
25 1.000 2.000 3.000
26 1.000 2.000 3.000
27 3.000 2.000 1.000
28 1.000 2.000 3.000
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28 1.000 2.000 3.000
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Table 51: Ranks for: X1.Prec Loss

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 3.000

 26
 1.

Table 55: Ranks for: MacroRecallM

Table 56: Ranks for: Macro Tversky A0.5 B0.5
 BR-ref
 BR-MB
 BR-RRC

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 29
 <td 8 1.000 2.000 3.000 Table 57: Ranks for: MicroPrecisionM
 BR-ref
 BR-MB
 BR-RRC

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 2.500
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 <t BR-ref BR-MB BR-RRC Table 58: Ranks for: MicroRecallM
 BR-ref
 BR-MB
 BR-RRC

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Table 59: Ranks for: MicroTversky A0.5B 0.5