

The best scores overall, and the scores that have no significant difference with those scores under a paired t-test with  $p < 0.05$ , are indicated in a bold type face. The standard deviation is shown in parentheses.

Table 1: Kernel comparison.

Kernel	Accuracy	F1	AUC-ROC	Comp. time (ms)
GraphSubTree[0, 4]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	7516.000(0.000)
GraphSubTree[4, 4]	0.797(0.014)	0.796(0.014)	<b>0.892</b> (0.011)	5833.000(0.000)
GraphSubTree[0, 6]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5117.000(0.000)
GraphSubTree[6, 6]	0.801(0.013)	0.800(0.013)	<b>0.891</b> (0.011)	5246.000(0.000)
GraphSubTree[0, 8]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5339.000(0.000)
GraphSubTree[8, 8]	0.802(0.015)	0.801(0.015)	0.889(0.010)	5255.000(0.000)
GraphSubTree[0, 10]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5106.000(0.000)
GraphSubTree[10, 10]	0.802(0.014)	0.801(0.014)	<b>0.892</b> (0.010)	5480.000(0.000)
GraphSubTree[0, 12]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5120.000(0.000)
GraphSubTree[12, 12]	0.802(0.019)	0.802(0.019)	0.890(0.010)	5918.000(0.000)
GraphSubTree[0, 15]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5136.000(0.000)
GraphSubTree[15, 15]	0.805(0.020)	0.805(0.020)	<b>0.891</b> (0.010)	5399.000(0.000)
TreeSubTree[0, 4]	0.802(0.009)	0.802(0.009)	0.887(0.011)	4910.000(0.000)
TreeSubTree[4, 4]	0.806(0.014)	0.805(0.014)	<b>0.895</b> (0.008)	5182.000(0.000)
TreeSubTree[0, 6]	0.797(0.015)	0.796(0.015)	0.883(0.012)	4922.000(0.000)
TreeSubTree[6, 6]	0.800(0.012)	0.799(0.012)	<b>0.891</b> (0.015)	5254.000(0.000)
TreeSubTree[0, 8]	0.800(0.014)	0.799(0.014)	0.881(0.016)	4930.000(0.000)
TreeSubTree[8, 8]	0.798(0.012)	0.797(0.012)	0.879(0.012)	5344.000(0.000)
TreeSubTree[0, 10]	0.798(0.018)	0.797(0.018)	0.880(0.013)	4928.000(0.000)
TreeSubTree[10, 10]	0.797(0.014)	0.797(0.013)	0.876(0.013)	5382.000(0.000)
TreeSubTree[0, 12]	0.796(0.021)	0.795(0.021)	0.876(0.016)	5576.000(0.000)
TreeSubTree[12, 12]	0.798(0.014)	0.797(0.014)	0.877(0.013)	5535.000(0.000)
TreeSubTree[0, 15]	0.799(0.020)	0.798(0.019)	0.876(0.016)	5123.000(0.000)
TreeSubTree[15, 15]	0.801(0.015)	0.800(0.015)	0.877(0.013)	5843.000(0.000)
GraphWalks[0, 4]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5101.000(0.000)
GraphWalks[4, 4]	0.806(0.012)	0.806(0.012)	<b>0.889</b> (0.011)	5338.000(0.000)
GraphWalks[0, 6]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5113.000(0.000)
GraphWalks[6, 6]	0.796(0.014)	0.795(0.014)	0.885(0.010)	5385.000(0.000)
GraphWalks[0, 8]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5123.000(0.000)
GraphWalks[8, 8]	0.788(0.008)	0.788(0.008)	0.884(0.008)	5440.000(0.000)
GraphWalks[0, 10]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5129.000(0.000)
GraphWalks[10, 10]	0.791(0.011)	0.791(0.011)	0.884(0.009)	6168.000(0.000)
GraphWalks[0, 12]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5130.000(0.000)
GraphWalks[12, 12]	0.787(0.010)	0.787(0.010)	0.882(0.007)	5534.000(0.000)
GraphWalks[0, 15]	0.800(0.011)	0.799(0.010)	<b>0.892</b> (0.015)	5152.000(0.000)
GraphWalks[15, 15]	0.785(0.009)	0.785(0.009)	0.880(0.008)	5587.000(0.000)
TreeWalks[0, 4]	0.800(0.009)	0.794(0.010)	0.799(0.010)	5739.000(0.000)
TreeWalks[4, 4]	<b>0.823</b> (0.013)	<b>0.823</b> (0.013)	<b>0.890</b> (0.011)	5425.000(0.000)

Continued on next page

Table 1 – continued from previous page

Kernel	Accuracy	F1	AUC-ROC	Comp. time (ms)
TreeWalks[0, 6]	0.800(0.009)	0.794(0.010)	0.799(0.010)	5745.000(0.000)
TreeWalks[6, 6]	0.797(0.010)	0.797(0.010)	0.881(0.007)	5439.000(0.000)
TreeWalks[0, 8]	0.800(0.009)	0.794(0.010)	0.799(0.010)	5760.000(0.000)
TreeWalks[8, 8]	0.801(0.014)	0.800(0.014)	0.888(0.009)	5424.000(0.000)
TreeWalks[0, 10]	0.800(0.009)	0.794(0.010)	0.799(0.010)	5851.000(0.000)
TreeWalks[10, 10]	0.796(0.017)	0.796(0.017)	0.885(0.011)	6243.000(0.000)
TreeWalks[0, 12]	0.800(0.009)	0.794(0.010)	0.799(0.010)	5800.000(0.000)
TreeWalks[12, 12]	0.782(0.010)	0.782(0.010)	0.876(0.011)	5542.000(0.000)
TreeWalks[0, 15]	0.800(0.009)	0.794(0.010)	0.799(0.010)	5819.000(0.000)
TreeWalks[15, 15]	0.776(0.009)	0.776(0.009)	0.873(0.014)	5640.000(0.000)
GraphWalksApprox[0, 4, 0]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5088.000(0.000)
GraphWalksApprox[0, 4, 2]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5082.000(0.000)
GraphWalksApprox[0, 4, 4]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5086.000(0.000)
GraphWalksApprox[0, 4, 8]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5103.000(0.000)
GraphWalksApprox[0, 4, 16]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5219.000(0.000)
GraphWalksApprox[0, 4, 32]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5210.000(0.000)
GraphWalksApprox[4, 4, 0]	0.805(0.011)	0.805(0.011)	0.885(0.011)	5580.000(0.000)
GraphWalksApprox[4, 4, 2]	0.797(0.016)	0.796(0.016)	0.872(0.010)	7729.000(0.000)
GraphWalksApprox[4, 4, 4]	0.808(0.016)	0.807(0.015)	<b>0.899</b> (0.014)	9546.000(0.000)
GraphWalksApprox[4, 4, 8]	<b>0.824</b> (0.013)	<b>0.824</b> (0.013)	0.889(0.009)	11875.000(0.000)
GraphWalksApprox[4, 4, 16]	<b>0.827</b> (0.014)	<b>0.827</b> (0.014)	0.894(0.007)	13309.000(0.000)
GraphWalksApprox[4, 4, 32]	0.793(0.012)	0.793(0.011)	0.870(0.013)	20677.000(0.000)
GraphWalksApprox[0, 6, 0]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5087.000(0.000)
GraphWalksApprox[0, 6, 2]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5086.000(0.000)
GraphWalksApprox[0, 6, 4]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5088.000(0.000)
GraphWalksApprox[0, 6, 8]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5090.000(0.000)
GraphWalksApprox[0, 6, 16]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5089.000(0.000)
GraphWalksApprox[0, 6, 32]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5089.000(0.000)
GraphWalksApprox[6, 6, 0]	0.789(0.012)	0.789(0.012)	0.883(0.010)	5574.000(0.000)
GraphWalksApprox[6, 6, 2]	0.790(0.023)	0.789(0.023)	0.869(0.012)	7939.000(0.000)
GraphWalksApprox[6, 6, 4]	0.809(0.015)	0.809(0.015)	<b>0.901</b> (0.010)	9534.000(0.000)
GraphWalksApprox[6, 6, 8]	<b>0.822</b> (0.021)	<b>0.821</b> (0.021)	0.890(0.009)	13663.000(0.000)
GraphWalksApprox[6, 6, 16]	0.814(0.012)	0.814(0.012)	0.886(0.012)	17180.000(0.000)
GraphWalksApprox[6, 6, 32]	0.805(0.014)	0.805(0.014)	0.867(0.011)	30020.000(0.000)
GraphWalksApprox[0, 8, 0]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5087.000(0.000)
GraphWalksApprox[0, 8, 2]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5087.000(0.000)
GraphWalksApprox[0, 8, 4]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5087.000(0.000)
GraphWalksApprox[0, 8, 8]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5088.000(0.000)
GraphWalksApprox[0, 8, 16]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5088.000(0.000)
GraphWalksApprox[0, 8, 32]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5088.000(0.000)
GraphWalksApprox[8, 8, 0]	0.787(0.007)	0.787(0.007)	0.883(0.008)	5642.000(0.000)
GraphWalksApprox[8, 8, 2]	0.785(0.025)	0.785(0.025)	0.866(0.011)	8201.000(0.000)
GraphWalksApprox[8, 8, 4]	0.805(0.019)	0.805(0.019)	<b>0.896</b> (0.012)	9829.000(0.000)

Continued on next page

Table 1 – continued from previous page

Kernel	Accuracy	F1	AUC-ROC	Comp. time (ms)
GraphWalksApprox[8, 8, 8]	0.809(0.015)	0.808(0.015)	0.881(0.019)	15734.000(0.000)
GraphWalksApprox[8, 8, 16]	0.802(0.017)	0.802(0.017)	0.874(0.012)	24018.000(0.000)
GraphWalksApprox[8, 8, 32]	0.802(0.014)	0.801(0.014)	0.868(0.007)	41914.000(0.000)
GraphWalksApprox[0, 10, 0]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5235.000(0.000)
GraphWalksApprox[0, 10, 2]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5233.000(0.000)
GraphWalksApprox[0, 10, 4]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5235.000(0.000)
GraphWalksApprox[0, 10, 8]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	6025.000(0.000)
GraphWalksApprox[0, 10, 16]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5237.000(0.000)
GraphWalksApprox[0, 10, 32]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5238.000(0.000)
GraphWalksApprox[10, 10, 0]	0.784(0.007)	0.783(0.007)	0.884(0.008)	5779.000(0.000)
GraphWalksApprox[10, 10, 2]	0.789(0.020)	0.789(0.020)	0.864(0.009)	8708.000(0.000)
GraphWalksApprox[10, 10, 4]	0.806(0.021)	0.806(0.021)	0.891(0.016)	10746.000(0.000)
GraphWalksApprox[10, 10, 8]	0.809(0.012)	0.808(0.013)	0.878(0.016)	17846.000(0.000)
GraphWalksApprox[10, 10, 16]	0.808(0.017)	0.808(0.018)	0.872(0.010)	31591.000(0.000)
GraphWalksApprox[10, 10, 32]	0.798(0.015)	0.798(0.015)	0.863(0.011)	51862.000(0.000)
GraphWalksApprox[0, 12, 0]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5251.000(0.000)
GraphWalksApprox[0, 12, 2]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5250.000(0.000)
GraphWalksApprox[0, 12, 4]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5251.000(0.000)
GraphWalksApprox[0, 12, 8]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5250.000(0.000)
GraphWalksApprox[0, 12, 16]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5253.000(0.000)
GraphWalksApprox[0, 12, 32]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5252.000(0.000)
GraphWalksApprox[12, 12, 0]	0.784(0.008)	0.783(0.008)	0.884(0.008)	6788.000(0.000)
GraphWalksApprox[12, 12, 2]	0.785(0.024)	0.785(0.024)	0.864(0.012)	8867.000(0.000)
GraphWalksApprox[12, 12, 4]	0.807(0.024)	0.806(0.024)	0.889(0.016)	11029.000(0.000)
GraphWalksApprox[12, 12, 8]	0.788(0.015)	0.787(0.015)	0.864(0.017)	20018.000(0.000)
GraphWalksApprox[12, 12, 16]	0.802(0.017)	0.802(0.017)	0.870(0.009)	37604.000(0.000)
GraphWalksApprox[12, 12, 32]	0.795(0.014)	0.794(0.014)	0.861(0.010)	62114.000(0.000)
GraphWalksApprox[0, 15, 0]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5267.000(0.000)
GraphWalksApprox[0, 15, 2]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5268.000(0.000)
GraphWalksApprox[0, 15, 4]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5267.000(0.000)
GraphWalksApprox[0, 15, 8]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5267.000(0.000)
GraphWalksApprox[0, 15, 16]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5267.000(0.000)
GraphWalksApprox[0, 15, 32]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5267.000(0.000)
GraphWalksApprox[15, 15, 0]	0.781(0.009)	0.781(0.009)	0.884(0.007)	5950.000(0.000)
GraphWalksApprox[15, 15, 2]	0.787(0.017)	0.787(0.017)	0.861(0.017)	9033.000(0.000)
GraphWalksApprox[15, 15, 4]	0.804(0.015)	0.804(0.015)	0.886(0.017)	12704.000(0.000)
GraphWalksApprox[15, 15, 8]	0.779(0.017)	0.778(0.017)	0.855(0.020)	23086.000(0.000)
GraphWalksApprox[15, 15, 16]	0.795(0.015)	0.794(0.015)	0.868(0.011)	43033.000(0.000)
GraphWalksApprox[15, 15, 32]	0.787(0.019)	0.787(0.019)	0.856(0.012)	75382.000(0.000)
TreeWalksApprox[0, 4, 0]	0.803(0.014)	0.802(0.013)	0.882(0.012)	5129.000(0.000)
TreeWalksApprox[0, 4, 2]	0.803(0.014)	0.802(0.013)	0.882(0.012)	5128.000(0.000)
TreeWalksApprox[0, 4, 4]	0.803(0.014)	0.802(0.013)	0.882(0.012)	5125.000(0.000)
TreeWalksApprox[0, 4, 8]	0.803(0.014)	0.802(0.013)	0.882(0.012)	5121.000(0.000)

Continued on next page

Table 1 – continued from previous page

Kernel	Accuracy	F1	AUC-ROC	Comp. time (ms)
TreeWalksApprox[0, 4, 16]	0.803(0.014)	0.802(0.013)	0.882(0.012)	5115.000(0.000)
TreeWalksApprox[0, 4, 32]	0.803(0.014)	0.802(0.013)	0.882(0.012)	5113.000(0.000)
TreeWalksApprox[4, 4, 0]	0.799(0.016)	0.799(0.016)	0.887(0.012)	5600.000(0.000)
TreeWalksApprox[4, 4, 2]	0.793(0.022)	0.793(0.022)	0.874(0.011)	8147.000(0.000)
TreeWalksApprox[4, 4, 4]	0.810(0.015)	0.810(0.015)	<b>0.897</b> (0.009)	8502.000(0.000)
TreeWalksApprox[4, 4, 8]	<b>0.827</b> (0.017)	<b>0.827</b> (0.017)	0.889(0.009)	10410.000(0.000)
TreeWalksApprox[4, 4, 16]	<b>0.824</b> (0.013)	<b>0.824</b> (0.013)	0.890(0.009)	11420.000(0.000)
TreeWalksApprox[4, 4, 32]	0.797(0.011)	0.796(0.010)	0.865(0.013)	16243.000(0.000)
TreeWalksApprox[0, 6, 0]	0.795(0.018)	0.794(0.018)	0.880(0.011)	5023.000(0.000)
TreeWalksApprox[0, 6, 2]	0.795(0.018)	0.794(0.018)	0.880(0.011)	5552.000(0.000)
TreeWalksApprox[0, 6, 4]	0.795(0.018)	0.794(0.018)	0.880(0.011)	5031.000(0.000)
TreeWalksApprox[0, 6, 8]	0.795(0.018)	0.794(0.018)	0.880(0.011)	5035.000(0.000)
TreeWalksApprox[0, 6, 16]	0.795(0.018)	0.794(0.018)	0.880(0.011)	5034.000(0.000)
TreeWalksApprox[0, 6, 32]	0.795(0.018)	0.794(0.018)	0.880(0.011)	5032.000(0.000)
TreeWalksApprox[6, 6, 0]	0.777(0.010)	0.777(0.010)	0.874(0.012)	5627.000(0.000)
TreeWalksApprox[6, 6, 2]	0.787(0.019)	0.787(0.019)	0.859(0.017)	7903.000(0.000)
TreeWalksApprox[6, 6, 4]	0.808(0.020)	0.807(0.020)	0.888(0.014)	9029.000(0.000)
TreeWalksApprox[6, 6, 8]	0.794(0.019)	0.793(0.018)	0.875(0.021)	13083.000(0.000)
TreeWalksApprox[6, 6, 16]	0.789(0.015)	0.789(0.016)	0.868(0.014)	17045.000(0.000)
TreeWalksApprox[6, 6, 32]	0.787(0.015)	0.787(0.015)	0.861(0.008)	25441.000(0.000)
TreeWalksApprox[0, 8, 0]	0.796(0.016)	0.795(0.016)	0.878(0.014)	5083.000(0.000)
TreeWalksApprox[0, 8, 2]	0.796(0.016)	0.795(0.016)	0.878(0.014)	5083.000(0.000)
TreeWalksApprox[0, 8, 4]	0.796(0.016)	0.795(0.016)	0.878(0.014)	5083.000(0.000)
TreeWalksApprox[0, 8, 8]	0.796(0.016)	0.795(0.016)	0.878(0.014)	5084.000(0.000)
TreeWalksApprox[0, 8, 16]	0.796(0.016)	0.795(0.016)	0.878(0.014)	5082.000(0.000)
TreeWalksApprox[0, 8, 32]	0.796(0.016)	0.795(0.016)	0.878(0.014)	5084.000(0.000)
TreeWalksApprox[8, 8, 0]	0.774(0.007)	0.774(0.007)	0.873(0.014)	6262.000(0.000)
TreeWalksApprox[8, 8, 2]	0.773(0.020)	0.773(0.020)	0.847(0.014)	8101.000(0.000)
TreeWalksApprox[8, 8, 4]	0.786(0.017)	0.785(0.017)	0.874(0.012)	9603.000(0.000)
TreeWalksApprox[8, 8, 8]	0.774(0.016)	0.773(0.016)	0.853(0.017)	15169.000(0.000)
TreeWalksApprox[8, 8, 16]	0.775(0.011)	0.775(0.011)	0.859(0.009)	20617.000(0.000)
TreeWalksApprox[8, 8, 32]	0.771(0.011)	0.770(0.011)	0.851(0.009)	28510.000(0.000)
TreeWalksApprox[0, 10, 0]	0.796(0.018)	0.795(0.018)	0.876(0.015)	5089.000(0.000)
TreeWalksApprox[0, 10, 2]	0.796(0.018)	0.795(0.018)	0.876(0.015)	5092.000(0.000)
TreeWalksApprox[0, 10, 4]	0.796(0.018)	0.795(0.018)	0.876(0.015)	5087.000(0.000)
TreeWalksApprox[0, 10, 8]	0.796(0.018)	0.795(0.018)	0.876(0.015)	5093.000(0.000)
TreeWalksApprox[0, 10, 16]	0.796(0.018)	0.795(0.018)	0.876(0.015)	5092.000(0.000)
TreeWalksApprox[0, 10, 32]	0.796(0.018)	0.795(0.018)	0.876(0.015)	5091.000(0.000)
TreeWalksApprox[10, 10, 0]	0.766(0.009)	0.766(0.009)	0.868(0.013)	5743.000(0.000)
TreeWalksApprox[10, 10, 2]	0.771(0.018)	0.771(0.018)	0.840(0.015)	8192.000(0.000)
TreeWalksApprox[10, 10, 4]	0.780(0.015)	0.780(0.015)	0.866(0.012)	10043.000(0.000)
TreeWalksApprox[10, 10, 8]	0.767(0.012)	0.766(0.012)	0.841(0.011)	16603.000(0.000)
TreeWalksApprox[10, 10, 16]	0.763(0.016)	0.762(0.016)	0.857(0.007)	23917.000(0.000)

Continued on next page

Table 1 – continued from previous page

Kernel	Accuracy	F1	AUC-ROC	Comp. time (ms)
TreeWalksApprox[10, 10, 32]	0.760(0.015)	0.759(0.015)	0.847(0.014)	31511.000(0.000)
TreeWalksApprox[0, 12, 0]	0.797(0.019)	0.796(0.019)	0.874(0.016)	5113.000(0.000)
TreeWalksApprox[0, 12, 2]	0.797(0.019)	0.796(0.019)	0.874(0.016)	5113.000(0.000)
TreeWalksApprox[0, 12, 4]	0.797(0.019)	0.796(0.019)	0.874(0.016)	5114.000(0.000)
TreeWalksApprox[0, 12, 8]	0.797(0.019)	0.796(0.019)	0.874(0.016)	5110.000(0.000)
TreeWalksApprox[0, 12, 16]	0.797(0.019)	0.796(0.019)	0.874(0.016)	5115.000(0.000)
TreeWalksApprox[0, 12, 32]	0.797(0.019)	0.796(0.019)	0.874(0.016)	5111.000(0.000)
TreeWalksApprox[12, 12, 0]	0.765(0.011)	0.765(0.011)	0.869(0.012)	5991.000(0.000)
TreeWalksApprox[12, 12, 2]	0.770(0.016)	0.770(0.016)	0.836(0.016)	8404.000(0.000)
TreeWalksApprox[12, 12, 4]	0.777(0.016)	0.777(0.016)	0.867(0.012)	10444.000(0.000)
TreeWalksApprox[12, 12, 8]	0.772(0.014)	0.771(0.014)	0.835(0.012)	17552.000(0.000)
TreeWalksApprox[12, 12, 16]	0.766(0.014)	0.765(0.014)	0.853(0.009)	26306.000(0.000)
TreeWalksApprox[12, 12, 32]	0.762(0.009)	0.761(0.009)	0.842(0.013)	34727.000(0.000)
TreeWalksApprox[0, 15, 0]	0.798(0.021)	0.797(0.020)	0.875(0.017)	5224.000(0.000)
TreeWalksApprox[0, 15, 2]	0.798(0.021)	0.797(0.020)	0.875(0.017)	5229.000(0.000)
TreeWalksApprox[0, 15, 4]	0.798(0.021)	0.797(0.020)	0.875(0.017)	5225.000(0.000)
TreeWalksApprox[0, 15, 8]	0.798(0.021)	0.797(0.020)	0.875(0.017)	6426.000(0.000)
TreeWalksApprox[0, 15, 16]	0.798(0.021)	0.797(0.020)	0.875(0.017)	5219.000(0.000)
TreeWalksApprox[0, 15, 32]	0.798(0.021)	0.797(0.020)	0.875(0.017)	5221.000(0.000)
TreeWalksApprox[15, 15, 0]	0.766(0.012)	0.766(0.013)	0.868(0.015)	6291.000(0.000)
TreeWalksApprox[15, 15, 2]	0.772(0.018)	0.772(0.018)	0.833(0.016)	8927.000(0.000)
TreeWalksApprox[15, 15, 4]	0.771(0.014)	0.771(0.014)	0.855(0.012)	11127.000(0.000)
TreeWalksApprox[15, 15, 8]	0.770(0.021)	0.770(0.021)	0.832(0.015)	19042.000(0.000)
TreeWalksApprox[15, 15, 16]	0.766(0.015)	0.766(0.015)	0.850(0.012)	29991.000(0.000)
TreeWalksApprox[15, 15, 32]	0.753(0.010)	0.753(0.010)	0.835(0.013)	41631.000(0.000)
RootWalks[0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2173.000(0.000)
RootWalks[4]	0.804(0.009)	0.801(0.010)	0.888(0.007)	4101.000(0.000)
RootWalks[6]	0.715(0.008)	0.715(0.008)	0.821(0.008)	5130.000(0.000)
RootWalks[8]	0.705(0.008)	0.705(0.008)	0.822(0.008)	5646.000(0.000)
RootWalks[10]	0.699(0.008)	0.699(0.008)	0.818(0.009)	5629.000(0.000)
RootWalks[12]	0.693(0.009)	0.692(0.009)	0.815(0.007)	6478.000(0.000)
RootWalks[15]	0.675(0.009)	0.674(0.009)	0.815(0.009)	5668.000(0.000)
RootSubTrees[0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2023.000(0.000)
RootSubTrees[4]	0.495(0.000)	0.446(0.000)	0.500(0.000)	3103.000(0.000)
RootSubTrees[6]	0.495(0.000)	0.446(0.000)	0.500(0.000)	3973.000(0.000)
RootSubTrees[8]	0.495(0.000)	0.446(0.000)	0.500(0.000)	5027.000(0.000)
RootSubTrees[10]	0.495(0.000)	0.446(0.000)	0.500(0.000)	4732.000(0.000)
RootSubTrees[12]	0.495(0.000)	0.446(0.000)	0.500(0.000)	4690.000(0.000)
RootSubTrees[15]	0.495(0.000)	0.446(0.000)	0.500(0.000)	4850.000(0.000)
GraphSubTreeApprox[0, 4]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5947.000(0.000)
GraphSubTreeApprox[4, 4]	0.811(0.013)	0.811(0.013)	0.878(0.012)	10446.000(0.000)
GraphSubTreeApprox[0, 6]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5521.000(0.000)
GraphSubTreeApprox[6, 6]	0.807(0.012)	0.806(0.012)	<b>0.890</b> (0.016)	9947.000(0.000)

Continued on next page

Table 1 – continued from previous page

Kernel	Accuracy	F1	AUC-ROC	Comp. time (ms)
GraphSubTreeApprox[0, 8]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5524.000(0.000)
GraphSubTreeApprox[8, 8]	0.805(0.011)	0.805(0.011)	0.887(0.010)	10907.000(0.000)
GraphSubTreeApprox[0, 10]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5530.000(0.000)
GraphSubTreeApprox[10, 10]	0.795(0.011)	0.794(0.011)	0.875(0.015)	11674.000(0.000)
GraphSubTreeApprox[0, 12]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5685.000(0.000)
GraphSubTreeApprox[12, 12]	0.789(0.014)	0.789(0.014)	0.876(0.017)	12700.000(0.000)
GraphSubTreeApprox[0, 15]	0.804(0.015)	0.803(0.015)	<b>0.894</b> (0.015)	5582.000(0.000)
GraphSubTreeApprox[15, 15]	0.786(0.014)	0.786(0.014)	0.874(0.014)	14145.000(0.000)
TreeSubTreeApprox[0, 4]	0.803(0.014)	0.802(0.013)	0.882(0.012)	5657.000(0.000)
TreeSubTreeApprox[4, 4]	0.811(0.017)	0.811(0.017)	0.883(0.012)	8212.000(0.000)
TreeSubTreeApprox[0, 6]	0.795(0.018)	0.794(0.018)	0.880(0.011)	5446.000(0.000)
TreeSubTreeApprox[6, 6]	0.785(0.015)	0.785(0.014)	0.868(0.013)	9036.000(0.000)
TreeSubTreeApprox[0, 8]	0.796(0.016)	0.795(0.016)	0.878(0.014)	5610.000(0.000)
TreeSubTreeApprox[8, 8]	0.781(0.014)	0.781(0.014)	0.864(0.016)	10293.000(0.000)
TreeSubTreeApprox[0, 10]	0.796(0.018)	0.795(0.018)	0.876(0.015)	5773.000(0.000)
TreeSubTreeApprox[10, 10]	0.770(0.019)	0.769(0.020)	0.860(0.017)	11729.000(0.000)
TreeSubTreeApprox[0, 12]	0.797(0.019)	0.796(0.019)	0.874(0.016)	5944.000(0.000)
TreeSubTreeApprox[12, 12]	0.766(0.014)	0.766(0.014)	0.854(0.013)	13513.000(0.000)
TreeSubTreeApprox[0, 15]	0.798(0.021)	0.797(0.020)	0.875(0.017)	6238.000(0.000)
TreeSubTreeApprox[15, 15]	0.760(0.018)	0.760(0.018)	0.843(0.016)	15907.000(0.000)
RootWalksApprox[0, 0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2480.000(0.000)
RootWalksApprox[0, 2]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2407.000(0.000)
RootWalksApprox[0, 4]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2571.000(0.000)
RootWalksApprox[0, 8]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2408.000(0.000)
RootWalksApprox[0, 16]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2409.000(0.000)
RootWalksApprox[0, 32]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2406.000(0.000)
RootWalksApprox[4, 0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	3099.000(0.000)
RootWalksApprox[4, 2]	0.664(0.021)	0.664(0.021)	0.785(0.013)	6233.000(0.000)
RootWalksApprox[4, 4]	0.695(0.020)	0.686(0.019)	0.796(0.018)	6392.000(0.000)
RootWalksApprox[4, 8]	0.692(0.009)	0.684(0.010)	0.791(0.016)	6868.000(0.000)
RootWalksApprox[4, 16]	0.692(0.009)	0.684(0.010)	0.791(0.016)	6870.000(0.000)
RootWalksApprox[4, 32]	0.690(0.011)	0.681(0.012)	0.791(0.017)	6710.000(0.000)
RootWalksApprox[6, 0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	4278.000(0.000)
RootWalksApprox[6, 2]	0.774(0.015)	0.774(0.015)	0.858(0.014)	8208.000(0.000)
RootWalksApprox[6, 4]	0.775(0.016)	0.775(0.016)	0.874(0.014)	9987.000(0.000)
RootWalksApprox[6, 8]	0.746(0.012)	0.746(0.012)	0.854(0.008)	13339.000(0.000)
RootWalksApprox[6, 16]	0.740(0.016)	0.739(0.016)	0.849(0.010)	15431.000(0.000)
RootWalksApprox[6, 32]	0.746(0.010)	0.746(0.010)	0.857(0.012)	26054.000(0.000)
RootWalksApprox[8, 0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	4666.000(0.000)
RootWalksApprox[8, 2]	0.797(0.016)	0.796(0.016)	0.879(0.007)	8122.000(0.000)
RootWalksApprox[8, 4]	0.808(0.018)	0.807(0.018)	<b>0.901</b> (0.009)	10309.000(0.000)
RootWalksApprox[8, 8]	0.805(0.013)	0.804(0.013)	0.879(0.014)	17098.000(0.000)
RootWalksApprox[8, 16]	0.800(0.014)	0.800(0.014)	0.875(0.013)	23298.000(0.000)

Continued on next page

Table 1 – continued from previous page

Kernel	Accuracy	F1	AUC-ROC	Comp. time (ms)
RootWalksApprox[8, 32]	0.765(0.013)	0.765(0.013)	0.851(0.008)	57353.000(0.000)
RootWalksApprox[10, 0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	4625.000(0.000)
RootWalksApprox[10, 2]	0.787(0.018)	0.787(0.018)	0.869(0.012)	8547.000(0.000)
RootWalksApprox[10, 4]	<b>0.811</b> (0.026)	<b>0.811</b> (0.026)	<b>0.897</b> (0.015)	11089.000(0.000)
RootWalksApprox[10, 8]	0.802(0.020)	0.802(0.020)	0.875(0.017)	19024.000(0.000)
RootWalksApprox[10, 16]	0.798(0.011)	0.798(0.011)	0.873(0.012)	28586.000(0.000)
RootWalksApprox[10, 32]	0.762(0.012)	0.761(0.012)	0.846(0.008)	67732.000(0.000)
RootWalksApprox[12, 0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	4666.000(0.000)
RootWalksApprox[12, 2]	0.793(0.020)	0.793(0.020)	0.867(0.013)	8326.000(0.000)
RootWalksApprox[12, 4]	0.803(0.016)	0.803(0.016)	0.892(0.015)	10853.000(0.000)
RootWalksApprox[12, 8]	0.788(0.016)	0.787(0.017)	0.866(0.015)	21295.000(0.000)
RootWalksApprox[12, 16]	0.795(0.016)	0.794(0.016)	0.866(0.011)	38134.000(0.000)
RootWalksApprox[12, 32]	0.757(0.016)	0.756(0.016)	0.838(0.010)	97276.000(0.000)
RootWalksApprox[15, 0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	5038.000(0.000)
RootWalksApprox[15, 2]	0.796(0.019)	0.796(0.019)	0.864(0.013)	8424.000(0.000)
RootWalksApprox[15, 4]	0.802(0.017)	0.801(0.017)	0.880(0.012)	11052.000(0.000)
RootWalksApprox[15, 8]	0.784(0.011)	0.783(0.011)	0.859(0.019)	23557.000(0.000)
RootWalksApprox[15, 16]	0.785(0.013)	0.784(0.013)	0.862(0.013)	45698.000(0.000)
RootWalksApprox[15, 32]	0.754(0.017)	0.753(0.018)	0.840(0.015)	104111.000(0.000)
RootSubTreeApprox[0]	0.495(0.000)	0.446(0.000)	0.500(0.000)	2424.000(0.000)
RootSubTreeApprox[4]	0.665(0.022)	0.665(0.021)	0.780(0.010)	5405.000(0.000)
RootSubTreeApprox[6]	0.707(0.023)	0.707(0.023)	0.831(0.014)	6843.000(0.000)
RootSubTreeApprox[8]	0.736(0.016)	0.735(0.016)	0.827(0.013)	8407.000(0.000)
RootSubTreeApprox[10]	0.748(0.021)	0.748(0.021)	0.837(0.011)	9042.000(0.000)
RootSubTreeApprox[12]	0.761(0.017)	0.761(0.017)	0.841(0.013)	9491.000(0.000)
RootSubTreeApprox[15]	0.758(0.016)	0.758(0.016)	0.838(0.015)	10574.000(0.000)