

**Table 1: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for DEEPARCH.**

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	2	82.5 (5.4)	3	95.3 (1.6)	7	273.4 (21.1)	6	215.7 (10.3)	<b>1</b>	<b>68.2 (1.2)</b>	4	117.4 (4.5)	5	168.2 (10.2)
	2	<b>1</b>	<b>76.6 (5.8)</b>	<b>1</b>	<b>72.6 (0.0)</b>	3	196.2 (15.4)	2	147.9 (5.9)	<b>1</b>	<b>72.0 (3.2)</b>	3	189.3 (10.7)	4	246.1 (12.6)
	3	2	60.4 (3.8)	3	71.1 (0.4)	7	283.7 (22.6)	6	202.9 (8.6)	<b>1</b>	<b>48.5 (2.1)</b>	4	132.5 (6.9)	5	163.5 (11.6)
$S_2$	1	<b>1</b>	<b>62.7 (3.6)</b>	2	95.7 (1.5)	5	171.1 (9.7)	5	164.7 (6.3)	<b>1</b>	<b>60.7 (0.8)</b>	3	104.2 (3.6)	4	118.7 (8.3)
	2	2	74.5 (4.9)	2	71.6 (0.0)	4	129.0 (6.0)	3	117.7 (3.8)	<b>1</b>	<b>62.0 (1.9)</b>	5	198.1 (9.3)	5	193.8 (8.2)
	3	2	50.8 (2.7)	3	63.3 (0.5)	7	175.0 (9.4)	6	153.5 (5.3)	<b>1</b>	<b>40.1 (1.4)</b>	5	131.5 (6.1)	4	105.5 (7.1)
$S_3$	1	<b>1</b>	<b>50.2 (2.3)</b>	3	85.4 (1.0)	5	123.5 (4.9)	6	152.5 (4.7)	2	57.1 (0.7)	4	95.5 (2.5)	4	92.4 (3.1)
	2	3	66.4 (5.0)	<b>1</b>	<b>55.7 (0.9)</b>	4	97.8 (4.0)	5	108.1 (3.3)	2	61.1 (1.6)	7	189.1 (8.3)	6	169.8 (3.9)
	3	2	45.4 (3.1)	3	55.1 (0.7)	5	124.3 (5.8)	6	140.6 (4.3)	<b>1</b>	<b>38.3 (1.2)</b>	5	124.8 (5.9)	4	84.3 (2.7)
$S_4$	1	<b>1</b>	<b>46.9 (2.6)</b>	3	76.2 (0.9)	6	103.6 (3.3)	7	149.1 (3.3)	2	55.3 (0.5)	5	94.9 (2.2)	4	84.3 (2.2)
	2	<b>1</b>	<b>62.6 (5.7)</b>	<b>1</b>	<b>59.5 (1.2)</b>	2	81.1 (2.7)	3	107.8 (2.9)	<b>1</b>	<b>62.5 (1.7)</b>	5	190.6 (6.7)	4	160.5 (4.0)
	3	2	40.1 (1.6)	3	60.2 (2.2)	5	101.2 (3.8)	7	135.9 (3.6)	<b>1</b>	<b>38.2 (0.8)</b>	6	125.4 (4.8)	4	74.5 (2.1)
$S_5$	1	<b>1</b>	<b>42.3 (1.9)</b>	4	84.2 (1.0)	6	95.2 (3.5)	7	145.0 (2.7)	2	54.7 (0.5)	5	90.9 (1.3)	3	78.4 (1.7)
	2	<b>1</b>	<b>55.1 (3.4)</b>	2	58.7 (1.4)	4	75.1 (2.4)	5	113.1 (2.8)	3	62.7 (1.6)	7	184.4 (4.7)	6	156.1 (3.3)
	3	<b>1</b>	<b>35.9 (1.1)</b>	3	55.5 (0.7)	5	89.8 (3.6)	7	136.3 (3.2)	2	37.8 (0.7)	6	117.5 (3.4)	4	71.1 (2.0)
Average $r$		<b>1.5</b>		2.5		5		5.4		<b>1.5</b>		4.9		4.4	

**Table 2: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for SAC.**

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	<b>1</b>	<b>1353.0 (191.7)</b>	4	2918.7 (47.2)	3	2720.2 (234.1)	4	3079.0 (260.1)	3	2615.0 (43.8)	2	2174.6 (200.8)	4	2896.1 (215.5)
	2	<b>1</b>	<b>105.4 (8.4)</b>	2	245.6 (1.4)	2	241.5 (6.5)	5	359.4 (13.5)	3	253.5 (1.7)	5	367.6 (17.5)	4	269.8 (9.1)
	3	<b>1</b>	<b>41.9 (6.7)</b>	4	177.9 (0.3)	5	185.4 (5.4)	6	352.0 (18.7)	3	166.1 (0.6)	2	122.1 (4.6)	5	192.3 (7.8)
$S_2$	1	<b>1</b>	<b>754.1 (143.1)</b>	5	3874.7 (264.3)	3	2579.9 (111.2)	4	2840.7 (128.4)	3	2598.9 (60.4)	2	1646.5 (112.4)	4	2713.8 (156.3)
	2	<b>1</b>	<b>59.1 (4.0)</b>	6	375.8 (23.4)	2	223.1 (2.8)	5	320.5 (12.1)	3	251.6 (1.9)	3	257.0 (10.4)	4	283.6 (5.7)
	3	<b>1</b>	<b>26.9 (2.4)</b>	7	350.2 (37.7)	3	163.2 (2.6)	6	277.9 (12.4)	4	165.3 (0.6)	2	115.8 (5.5)	5	185.6 (9.4)
$S_3$	1	<b>1</b>	<b>438.6 (90.4)</b>	6	3621.6 (349.9)	3	2474.6 (84.8)	5	2869.9 (129.4)	4	2630.2 (77.8)	2	1464.7 (75.5)	3	2524.7 (144.9)
	2	<b>1</b>	<b>30.8 (2.3)</b>	7	344.6 (22.4)	3	215.2 (2.2)	6	297.2 (10.0)	4	251.6 (2.4)	2	204.2 (7.0)	5	282.3 (5.6)
	3	<b>1</b>	<b>20.9 (1.1)</b>	7	370.5 (36.3)	3	153.7 (2.0)	6	240.5 (9.8)	4	165.5 (0.6)	2	108.5 (3.5)	5	191.7 (8.3)
$S_4$	1	<b>1</b>	<b>287.3 (72.9)</b>	6	3687.4 (227.2)	3	2492.3 (107.3)	5	2871.8 (130.5)	3	2455.7 (94.6)	2	1477.6 (85.3)	4	2678.6 (136.0)
	2	<b>1</b>	<b>32.8 (2.2)</b>	6	369.6 (27.0)	3	211.8 (2.5)	5	286.0 (7.5)	4	252.9 (2.7)	2	187.8 (5.6)	5	286.2 (5.0)
	3	<b>1</b>	<b>17.7 (0.9)</b>	7	256.2 (30.4)	3	151.7 (2.0)	6	227.4 (8.7)	4	164.6 (0.7)	2	111.6 (3.9)	5	187.2 (7.4)
$S_5$	1	<b>1</b>	<b>234.4 (63.4)</b>	6	3621.9 (315.6)	4	2402.6 (116.0)	5	2672.4 (139.1)	3	2135.1 (87.9)	2	1345.2 (92.8)	5	2662.1 (137.3)
	2	<b>1</b>	<b>30.4 (2.9)</b>	7	351.5 (26.2)	3	211.2 (2.6)	5	273.7 (6.9)	4	254.6 (2.9)	2	172.0 (4.3)	6	291.1 (4.8)
	3	<b>1</b>	<b>15.9 (0.7)</b>	7	305.1 (45.6)	3	150.6 (1.3)	6	223.1 (8.8)	4	164.0 (0.8)	2	108.9 (4.3)	5	188.3 (5.7)
Average $r$		<b>1.0</b>		5.8		3.1		5.3		3.5		2.3		4.6	

**Table 3: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for SQLITE.**

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	<b>1</b>	<b>1.0 (0.0)</b>	6	5.5 (0.0)	3	3.7 (0.0)	7	15.5 (0.5)	4	4.5 (0.1)	2	1.6 (0.0)	5	4.8 (0.1)
	2	<b>1</b>	<b>1.0 (0.0)</b>	6	11.7 (0.0)	5	7.9 (0.0)	7	17.8 (0.6)	4	4.8 (0.2)	3	1.7 (0.0)	2	1.5 (0.0)
	3	<b>1</b>	<b>1.1 (0.1)</b>	5	3.6 (0.0)	3	2.2 (0.0)	7	15.6 (0.5)	4	3.1 (0.1)	2	1.2 (0.0)	6	4.0 (0.1)
	4	<b>1</b>	<b>1.2 (0.1)</b>	3	3.5 (0.0)	2	2.1 (0.0)	5	15.6 (0.5)	4	4.0 (0.2)	<b>1</b>	<b>1.2 (0.0)</b>	4	3.9 (0.1)
$S_2$	1	<b>1</b>	<b>0.9 (0.0)</b>	5	4.5 (0.0)	3	3.6 (0.0)	6	5.2 (0.3)	4	4.1 (0.1)	2	1.4 (0.0)	4	4.2 (0.1)
	2	<b>1</b>	<b>0.8 (0.0)</b>	7	10.6 (0.0)	5	7.9 (0.0)	6	8.4 (0.2)	4	4.2 (0.1)	2	1.3 (0.0)	3	1.5 (0.0)
	3	<b>1</b>	<b>0.9 (0.0)</b>	4	2.6 (0.0)	3	2.1 (0.0)	6	4.5 (0.3)	4	2.6 (0.1)	2	1.1 (0.0)	5	3.7 (0.0)
	4	<b>1</b>	<b>1.0 (0.0)</b>	4	2.5 (0.0)	3	2.0 (0.0)	7	4.5 (0.3)	5	3.4 (0.2)	2	1.1 (0.0)	6	3.6 (0.0)
$S_3$	1	<b>1</b>	<b>0.9 (0.0)</b>	6	4.4 (0.0)	3	3.5 (0.0)	4	3.6 (0.1)	4	3.7 (0.1)	2	1.2 (0.0)	5	3.9 (0.1)
	2	<b>1</b>	<b>0.7 (0.0)</b>	6	9.6 (0.0)	5	7.8 (0.0)	5	7.8 (0.1)	4	4.1 (0.1)	2	1.1 (0.0)	3	1.6 (0.0)
	3	<b>1</b>	<b>0.9 (0.0)</b>	6	2.6 (0.0)	3	2.1 (0.0)	5	2.5 (0.1)	4	2.2 (0.1)	2	1.0 (0.0)	7	3.5 (0.0)
	4	<b>1</b>	<b>1.0 (0.0)</b>	5	2.5 (0.0)	3	2.0 (0.0)	4	2.4 (0.1)	6	3.2 (0.2)	2	1.1 (0.0)	7	3.4 (0.0)
$S_4$	1	<b>1</b>	<b>0.8 (0.0)</b>	5	6.3 (0.5)	3	3.5 (0.0)	3	3.5 (0.0)	3	3.5 (0.2)	2	1.1 (0.0)	4	3.7 (0.0)
	2	<b>1</b>	<b>0.7 (0.0)</b>	5	5.5 (0.5)	7	7.9 (0.0)	6	7.8 (0.1)	4	3.9 (0.1)	2	1.0 (0.0)	3	1.6 (0.0)
	3	<b>1</b>	<b>0.9 (0.0)</b>	5	3.1 (0.3)	3	2.1 (0.0)	4	2.2 (0.0)	3	2.1 (0.1)	2	1.0 (0.0)	6	3.4 (0.0)
	4	<b>1</b>	<b>1.0 (0.0)</b>	5	2.6 (0.1)	3	2.1 (0.0)	4	2.1 (0.0)	6	3.0 (0.2)	2	1.0 (0.0)	7	3.3 (0.0)
$S_5$	1	<b>1</b>	<b>0.8 (0.0)</b>	5	6.2 (0.4)	3	3.5 (0.0)	4	3.6 (0.0)	3	3.5 (0.2)	2	1.0 (0.0)	4	3.7 (0.0)
	2	<b>1</b>	<b>0.7 (0.0)</b>	5	7.1 (0.5)	7	7.9 (0.0)	6	7.7 (0.1)	4	3.9 (0.1)	2	0.9 (0.0)	3	1.6 (0.0)
	3	<b>1</b>	<b>0.9 (0.0)</b>	5	2.4 (0.2)	4	2.1 (0.0)	5	2.5 (0.1)	3	1.9 (0.1)	2	0.9 (0.0)	6	3.3 (0.0)
	4	<b>1</b>	<b>1.0 (0.0)</b>	3	2.1 (0.1)	3	2.0 (0.0)	4	2.5 (0.1)	5	2.7 (0.2)	2	1.0 (0.0)	6	3.3 (0.0)
Average $r$		<b>1.0</b>		5		3.7		5.2		4.1		2		4.8	

**Table 4: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for NGINX.**

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	3	130.2 (23.3)	<b>1</b>	<b>24.2 (1.7)</b>	4	347.5 (51.2)	6	682.8 (15.3)	2	61.7 (2.8)	5	649.2 (9.0)	4	293.6 (50.8)
	2	3	186.4 (34.2)	<b>1</b>	<b>25.2 (1.5)</b>	4	347.9 (51.1)	6	683.6 (15.4)	2	62.0 (2.7)	5	649.8 (9.1)	4	293.3 (50.7)
	3	4	313.4 (48.7)	<b>1</b>	<b>18.8 (2.0)</b>	3	229.7 (33.6)	6	525.3 (15.1)	2	36.0 (2.0)	5	502.7 (9.6)	3	194.6 (33.6)
	4	3	252.7 (51.3)	<b>1</b>	<b>24.8 (1.0)</b>	2	167.5 (22.6)	4	427.4 (16.2)	<b>1</b>	<b>24.5 (1.5)</b>	5	456.8 (13.2)	2	160.8 (23.8)
$S_2$	1	2	26.4 (3.2)	<b>1</b>	<b>23.5 (1.8)</b>	4	79.9 (30.0)	6	668.7 (9.4)	3	33.3 (1.9)	5	645.7 (7.9)	4	77.5 (27.5)
	2	<b>1</b>	<b>11.7 (1.2)</b>	2	27.8 (1.7)	4	80.1 (30.0)	6	669.9 (9.5)	3	33.2 (1.9)	5	646.8 (8.0)	4	77.5 (27.4)
	3	<b>1</b>	<b>31.8 (20.7)</b>	<b>1</b>	<b>18.5 (1.4)</b>	2	49.4 (19.7)	4	525.3 (11.0)	<b>1</b>	<b>16.0 (1.4)</b>	3	508.2 (9.2)	2	50.4 (18.1)
	4	3	36.9 (20.7)	2	24.7 (1.1)	3	43.2 (13.2)	5	445.5 (14.7)	<b>1</b>	<b>15.0 (0.6)</b>	6	471.2 (13.4)	4	63.4 (12.8)
$S_3$	1	<b>1</b>	<b>17.0 (1.4)</b>	3	27.0 (2.6)	2	20.7 (1.3)	6	658.2 (7.9)	3	26.7 (1.1)	5	642.5 (7.3)	4	30.4 (1.6)
	2	<b>1</b>	<b>9.1 (1.2)</b>	3	28.4 (2.8)	2	20.8 (1.3)	6	659.3 (8.0)	3	26.9 (1.1)	5	643.3 (7.4)	4	30.5 (1.6)
	3	<b>1</b>	<b>5.4 (0.5)</b>	4	17.3 (1.0)	2	9.3 (0.9)	7	517.4 (8.4)	3	10.8 (0.7)	6	507.9 (7.7)	5	18.6 (1.2)
	4	<b>1</b>	<b>6.7 (0.8)</b>	4	23.9 (0.7)	3	16.3 (0.5)	6	436.1 (10.9)	2	13.1 (0.2)	7	469.9 (10.9)	5	42.4 (1.4)
$S_4$	1	<b>1</b>	<b>10.4 (0.7)</b>	4	28.7 (2.6)	2	16.9 (0.8)	6	657.3 (7.7)	3	23.3 (0.4)	5	639.5 (6.9)	4	26.9 (1.3)
	2	<b>1</b>	<b>7.4 (0.6)</b>	3	22.5 (1.1)	2	17.0 (0.8)	6	658.4 (7.8)	3	23.4 (0.4)	5	640.4 (7.0)	4	27.0 (1.3)
	3	<b>1</b>	<b>4.6 (0.3)</b>	5	19.5 (1.8)	2	6.7 (0.5)	7	517.6 (8.0)	3	8.9 (0.3)	6	505.8 (7.1)	4	15.7 (0.9)
	4	<b>1</b>	<b>5.2 (0.3)</b>	4	24.7 (1.0)	3	15.0 (0.3)	6	435.0 (10.4)	2	11.9 (0.1)	7	467.3 (10.0)	5	39.4 (1.2)
$S_5$	1	<b>1</b>	<b>6.4 (0.6)</b>	4	24.9 (2.1)	2	14.7 (0.4)	6	651.0 (5.1)	3	22.6 (0.5)	5	632.9 (3.9)	4	25.5 (1.0)
	2	<b>1</b>	<b>7.9 (1.6)</b>	4	24.7 (1.7)	2	14.8 (0.4)	6	652.1 (5.1)	3	22.8 (0.5)	5	633.4 (4.0)	4	25.6 (1.0)
	3	<b>1</b>	<b>4.2 (0.3)</b>	5	18.0 (1.5)	2	4.9 (0.2)	7	515.9 (5.4)	3	8.7 (0.3)	6	503.1 (4.1)	4	15.1 (0.7)
	4	<b>1</b>	<b>4.9 (0.3)</b>	4	23.9 (0.8)	3	13.8 (0.2)	6	433.5 (6.4)	2	11.5 (0.1)	7	464.6 (5.8)	5	39.3 (1.0)
Average $r$		<b>1.6</b>		2.9		2.6		5.9		2.4		5.4		4	

Table 5: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for SPEAR.

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	3	44.5 (8.8)	2	34.4 (1.6)	2	34.4 (1.6)	4	208.1 (14.6)	<b>1</b>	<b>15.2 (0.6)</b>	3	51.9 (5.1)	3	48.4 (3.2)
	2	<b>1</b>	<b>59.3 (15.3)</b>	3	396.1 (1.8)	4	486.1 (27.5)	7	2224.9 (158.8)	5	617.8 (10.5)	6	1065.9 (186.3)	2	236.8 (35.9)
	3	<b>1</b>	<b>34.1 (2.1)</b>	3	167.7 (11.8)	3	171.5 (10.8)	6	893.4 (63.6)	4	226.4 (2.9)	5	306.3 (60.8)	2	87.1 (14.6)
$S_2$	1	3	34.2 (1.3)	2	28.3 (0.5)	3	33.0 (1.3)	6	87.5 (7.2)	<b>1</b>	<b>13.8 (0.1)</b>	5	54.1 (4.7)	4	44.0 (1.9)
	2	<b>1</b>	<b>30.1 (2.6)</b>	3	398.6 (6.0)	4	446.4 (19.3)	6	938.8 (69.8)	5	591.3 (0.2)	7	1110.9 (116.7)	2	171.8 (18.6)
	3	<b>1</b>	<b>52.4 (33.0)</b>	2	141.2 (2.6)	3	156.3 (7.5)	5	364.4 (28.6)	4	218.1 (0.1)	5	332.2 (49.3)	<b>1</b>	<b>62.2 (7.3)</b>
$S_3$	1	3	40.9 (1.9)	2	30.0 (0.7)	2	30.1 (0.9)	5	64.8 (4.8)	<b>1</b>	<b>13.7 (0.1)</b>	4	43.7 (2.9)	4	42.8 (1.2)
	2	<b>1</b>	<b>28.4 (3.4)</b>	3	408.3 (14.2)	4	432.3 (13.8)	6	701.1 (45.7)	5	591.5 (0.2)	7	798.6 (80.2)	2	152.3 (10.4)
	3	<b>1</b>	<b>19.0 (2.2)</b>	3	155.7 (7.0)	3	149.6 (5.5)	5	267.7 (19.0)	4	217.9 (0.1)	4	224.4 (31.9)	2	55.2 (4.6)
$S_4$	1	4	37.7 (1.6)	3	30.3 (0.8)	2	29.1 (0.7)	6	54.5 (3.5)	<b>1</b>	<b>13.6 (0.1)</b>	5	40.1 (1.9)	5	41.6 (1.1)
	2	<b>1</b>	<b>26.2 (2.7)</b>	3	404.3 (7.5)	4	418.9 (10.9)	5	598.4 (35.5)	5	591.8 (0.2)	6	681.7 (56.4)	2	139.0 (9.0)
	3	<b>1</b>	<b>21.1 (2.2)</b>	3	145.2 (4.3)	3	144.1 (4.3)	5	223.5 (13.5)	5	217.9 (0.1)	4	192.4 (23.2)	2	49.5 (3.8)
$S_5$	1	3	32.6 (1.0)	3	31.5 (1.3)	2	28.4 (0.6)	6	51.0 (2.9)	<b>1</b>	<b>13.6 (0.1)</b>	4	39.5 (1.6)	5	41.2 (1.0)
	2	<b>1</b>	<b>29.0 (3.1)</b>	3	390.4 (3.0)	4	414.6 (7.9)	5	573.6 (30.3)	5	591.8 (0.2)	6	625.3 (47.7)	2	125.3 (7.3)
	3	<b>1</b>	<b>14.6 (1.0)</b>	4	169.9 (11.2)	3	143.2 (3.1)	5	217.7 (12.6)	5	218.0 (0.1)	4	183.5 (20.4)	2	43.7 (3.1)
Average $r$		<b>1.7</b>		2.8		3.1		5.5		3.5		5		2.7	

Table 6: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for STORM.

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	<b>1</b>	<b>31.2 (1.7)</b>	3	225.7 (5.5)	2	157.4 (39.3)	5	21531.3 (558.9)	4	934.4 (21.1)	6	62365.6 (1192.9)	5	21839.2 (634.4)
	2	2	144.5 (29.1)	4	529.8 (8.1)	3	373.6 (54.5)	7	43178.7 (853.9)	<b>1</b>	<b>63.9 (0.6)</b>	6	21690.5 (474.8)	5	9459.7 (370.3)
	3	<b>1</b>	<b>251.3 (18.3)</b>	4	1578.8 (10.4)	3	1113.8 (16.8)	7	36052.8 (728.3)	2	500.8 (34.4)	5	6480.9 (356.7)	6	9246.4 (413.9)
$S_2$	1	<b>1</b>	<b>31.4 (2.6)</b>	2	228.2 (6.7)	2	255.1 (62.3)	4	23140.7 (483.9)	3	963.0 (23.5)	5	63627.1 (992.0)	4	22850.3 (459.9)
	2	2	119.0 (21.9)	3	530.1 (8.4)	3	506.6 (90.3)	6	44703.3 (631.2)	<b>1</b>	<b>64.0 (0.8)</b>	5	21993.3 (374.0)	4	9224.9 (461.2)
	3	<b>1</b>	<b>214.9 (15.2)</b>	4	1560.1 (11.6)	3	1121.7 (23.6)	7	37365.1 (484.6)	2	532.1 (32.8)	5	6101.7 (264.1)	6	10478.7 (408.3)
$S_3$	1	<b>1</b>	<b>27.4 (1.2)</b>	2	241.6 (5.7)	2	234.3 (34.3)	5	23757.2 (417.3)	3	999.4 (26.7)	6	64316.7 (833.9)	4	22334.2 (427.6)
	2	2	146.3 (25.5)	3	482.2 (7.3)	3	469.7 (47.3)	6	45230.8 (449.2)	<b>1</b>	<b>64.4 (1.0)</b>	5	22230.5 (270.5)	4	9798.8 (372.3)
	3	<b>1</b>	<b>193.0 (12.6)</b>	4	1561.8 (16.7)	3	1104.5 (19.1)	7	37711.7 (325.0)	2	613.4 (35.1)	5	6126.7 (242.3)	6	9992.0 (300.0)
$S_4$	1	<b>1</b>	<b>27.5 (1.2)</b>	3	286.2 (32.2)	2	244.0 (26.8)	6	24266.3 (396.3)	4	1025.4 (32.4)	7	64923.8 (763.5)	5	23084.3 (286.2)
	2	2	149.5 (13.0)	4	600.2 (78.7)	3	484.2 (36.0)	7	46878.5 (564.7)	<b>1</b>	<b>65.0 (1.3)</b>	6	22415.4 (268.5)	5	10739.3 (170.4)
	3	<b>1</b>	<b>173.4 (9.7)</b>	4	1694.5 (92.2)	3	1103.5 (18.2)	7	38262.6 (292.4)	2	720.8 (34.9)	5	5925.8 (151.5)	6	9582.1 (158.2)
$S_5$	1	<b>1</b>	<b>25.7 (0.9)</b>	3	260.8 (22.6)	2	219.3 (18.8)	6	24695.6 (435.9)	4	1047.5 (43.4)	7	65453.6 (836.2)	5	22616.4 (359.0)
	2	2	153.5 (14.8)	4	771.1 (116.8)	3	445.9 (25.8)	7	47293.9 (654.2)	<b>1</b>	<b>65.4 (1.8)</b>	6	22805.4 (200.4)	5	9279.2 (440.1)
	3	<b>1</b>	<b>161.2 (10.1)</b>	4	1505.2 (94.3)	3	1085.9 (25.7)	7	38455.1 (325.3)	2	771.7 (32.3)	5	5867.1 (125.6)	6	10658.0 (423.7)
Average $r$		<b>1.3</b>		3.4		2.7		6.3		2.2		5.6		5.1	

**Table 7: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for IMAGEMAGICK.**

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	2	5.3 (0.3)	1	3.7 (0.0)	4	9.9 (1.3)	6	27.3 (0.8)	3	6.0 (0.2)	5	25.7 (0.7)	4	11.2 (2.1)
	2	1	6.0 (0.2)	3	13.8 (0.0)	4	15.5 (1.2)	6	27.0 (0.9)	2	8.3 (0.2)	6	26.1 (0.7)	5	17.5 (1.6)
	3	2	6.9 (0.7)	1	4.7 (0.0)	3	10.1 (1.2)	5	27.6 (0.8)	2	6.8 (0.3)	4	25.6 (0.7)	3	11.0 (1.9)
	4	1	7.3 (0.6)	4	14.0 (0.0)	5	15.1 (1.3)	7	32.0 (0.8)	2	8.5 (0.4)	6	25.3 (0.6)	3	10.6 (2.1)
$S_2$	1	2	4.5 (0.1)	1	3.7 (0.0)	4	5.6 (0.2)	6	25.1 (0.7)	3	5.0 (0.2)	6	25.1 (0.6)	5	6.5 (0.3)
	2	1	5.6 (0.2)	5	13.7 (0.1)	3	11.9 (0.3)	6	24.8 (0.8)	2	7.1 (0.2)	7	26.1 (0.7)	4	12.8 (0.3)
	3	2	5.4 (0.3)	1	4.6 (0.0)	4	6.4 (0.1)	5	25.5 (0.7)	3	5.8 (0.2)	5	25.0 (0.6)	4	6.5 (0.2)
	4	1	5.7 (0.3)	5	14.0 (0.1)	4	11.7 (0.2)	7	30.2 (0.8)	3	7.5 (0.3)	6	24.9 (0.6)	2	6.0 (0.2)
$S_3$	1	2	4.2 (0.1)	1	3.8 (0.1)	3	4.5 (0.1)	6	24.6 (0.6)	4	5.3 (0.2)	6	24.9 (0.6)	5	6.0 (0.2)
	2	1	5.0 (0.2)	5	13.4 (0.1)	3	11.3 (0.1)	6	24.1 (0.6)	2	7.3 (0.2)	7	26.2 (0.7)	4	12.1 (0.2)
	3	1	4.2 (0.1)	2	4.6 (0.1)	3	5.5 (0.1)	5	25.0 (0.6)	4	6.1 (0.2)	5	24.8 (0.6)	4	6.2 (0.2)
	4	1	4.4 (0.2)	5	13.7 (0.1)	4	11.2 (0.2)	7	30.0 (0.7)	3	6.7 (0.2)	6	24.9 (0.5)	2	5.8 (0.2)
$S_4$	1	2	3.7 (0.1)	1	3.6 (0.1)	3	4.0 (0.1)	6	24.2 (0.7)	4	5.4 (0.2)	6	24.3 (0.7)	5	5.9 (0.2)
	2	1	4.4 (0.1)	5	13.2 (0.1)	3	11.0 (0.1)	6	24.5 (0.8)	2	7.5 (0.2)	7	25.4 (0.8)	4	11.8 (0.2)
	3	1	3.8 (0.1)	2	4.4 (0.1)	3	4.9 (0.1)	5	24.4 (0.7)	4	6.1 (0.2)	5	24.4 (0.7)	4	5.9 (0.2)
	4	1	3.9 (0.2)	5	13.6 (0.1)	4	11.4 (0.1)	7	29.3 (0.8)	3	6.3 (0.2)	6	24.1 (0.6)	2	5.8 (0.2)
$S_5$	1	1	3.7 (0.1)	1	3.6 (0.1)	2	3.8 (0.1)	5	24.2 (0.8)	3	5.4 (0.2)	5	24.2 (0.7)	4	6.0 (0.3)
	2	1	4.3 (0.1)	5	13.1 (0.2)	3	11.0 (0.1)	6	24.8 (0.8)	2	7.6 (0.3)	6	25.4 (0.8)	4	11.7 (0.2)
	3	1	3.8 (0.1)	2	4.4 (0.1)	3	4.8 (0.1)	5	24.4 (0.8)	4	6.1 (0.2)	5	24.3 (0.8)	4	6.0 (0.2)
	4	1	3.9 (0.2)	5	13.6 (0.2)	4	11.4 (0.1)	7	29.2 (0.8)	3	6.2 (0.2)	6	24.2 (0.6)	2	5.7 (0.2)
Average $r$		1.3		3		3.5		6		2.9		5.8		3.7	

**Table 8: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for EXASTENCILS.**

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	1	3.1 (0.0)	4	16.8 (0.3)	2	9.0 (0.3)	5	18.2 (0.2)	2	8.7 (0.9)	6	18.9 (0.2)	3	12.1 (0.1)
	2	1	4.3 (0.5)	4	18.7 (0.7)	2	8.9 (0.3)	4	18.3 (0.2)	2	9.4 (1.1)	4	18.3 (0.2)	3	11.6 (0.2)
	3	1	4.4 (0.4)	4	16.5 (0.6)	2	8.8 (0.3)	5	17.4 (0.2)	2	9.5 (1.0)	4	16.6 (0.2)	3	11.5 (0.1)
	4	1	3.4 (0.3)	5	16.7 (0.6)	2	8.1 (0.3)	5	17.1 (0.2)	3	11.2 (0.8)	4	16.2 (0.2)	3	10.7 (0.1)
$S_2$	1	1	2.7 (0.0)	5	17.5 (0.5)	2	6.8 (0.2)	5	17.9 (0.1)	3	7.6 (0.9)	6	18.7 (0.1)	4	11.6 (0.1)
	2	1	2.9 (0.2)	5	18.4 (0.6)	2	6.7 (0.2)	5	18.0 (0.1)	3	7.5 (1.0)	5	18.1 (0.1)	4	11.0 (0.1)
	3	1	3.0 (0.1)	5	15.8 (0.4)	2	6.7 (0.1)	7	17.0 (0.1)	3	7.8 (0.9)	6	16.3 (0.1)	4	11.0 (0.1)
	4	1	2.5 (0.1)	5	16.9 (0.7)	2	6.2 (0.1)	5	16.7 (0.2)	3	9.8 (0.7)	4	15.9 (0.1)	3	10.2 (0.1)
$S_3$	1	1	2.3 (0.0)	5	16.8 (0.3)	3	5.0 (0.1)	6	17.7 (0.1)	2	4.7 (0.3)	7	18.6 (0.1)	4	11.3 (0.1)
	2	1	2.3 (0.0)	6	18.8 (0.9)	2	4.9 (0.1)	4	17.9 (0.1)	2	4.8 (0.5)	5	18.0 (0.1)	3	10.7 (0.1)
	3	1	2.3 (0.0)	4	16.2 (0.6)	2	5.0 (0.1)	5	16.8 (0.1)	2	5.0 (0.5)	4	16.2 (0.1)	3	10.7 (0.1)
	4	1	1.9 (0.0)	6	16.9 (0.6)	2	4.7 (0.1)	6	16.6 (0.1)	3	7.4 (0.5)	5	15.8 (0.1)	4	9.9 (0.1)
$S_4$	1	1	2.0 (0.0)	5	17.9 (0.5)	3	4.5 (0.0)	5	17.7 (0.1)	2	4.3 (0.3)	6	18.5 (0.1)	4	11.1 (0.1)
	2	1	2.0 (0.0)	4	17.7 (0.4)	2	4.4 (0.1)	4	17.8 (0.1)	2	4.2 (0.3)	4	17.9 (0.1)	3	10.5 (0.1)
	3	1	2.0 (0.0)	4	15.8 (0.3)	2	4.5 (0.0)	6	16.7 (0.1)	2	4.5 (0.4)	5	16.2 (0.1)	3	10.5 (0.1)
	4	1	1.4 (0.0)	6	16.7 (0.6)	2	4.2 (0.0)	6	16.5 (0.1)	3	7.1 (0.4)	5	15.8 (0.1)	4	9.7 (0.1)
$S_5$	1	1	1.8 (0.0)	5	17.6 (0.5)	3	4.0 (0.0)	5	17.6 (0.1)	2	3.8 (0.2)	6	18.4 (0.1)	4	11.0 (0.1)
	2	1	1.4 (0.0)	5	17.1 (0.6)	2	3.8 (0.0)	6	17.8 (0.1)	3	3.9 (0.1)	6	17.8 (0.1)	4	10.4 (0.1)
	3	1	1.1 (0.1)	5	16.8 (0.5)	2	3.9 (0.0)	5	16.7 (0.1)	2	4.0 (0.4)	4	16.1 (0.1)	3	10.4 (0.1)
	4	1	1.4 (0.0)	5	15.5 (0.5)	2	3.7 (0.0)	6	16.5 (0.1)	3	6.7 (0.4)	5	15.7 (0.1)	4	9.7 (0.1)
Average $r$		1.0		4.8		2.1		5.2		2.5		5		3.5	

Table 9: The Scott-Knott rank ( $r$ ), mean MRE, and standard error (SEM) of all target environments and training sizes for x264.

Size	$\mathcal{E}_{target}$	SeMPL		DeepPerf+		SeMPL <sub>RF</sub>		RF+		SeMPL <sub>SPL</sub>		SPLConqueror+		XGBoost+	
		$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)	$r$	MRE (SEM)
$S_1$	1	<b>1</b>	<b>26.5 (0.8)</b>	5	200.5 (0.4)	6	254.9 (9.0)	7	317.7 (12.8)	2	95.6 (6.8)	4	122.6 (7.9)	3	111.8 (7.2)
	2	<b>1</b>	<b>16.3 (0.8)</b>	2	24.2 (0.1)	4	36.8 (2.0)	6	74.0 (3.1)	3	31.4 (1.9)	7	108.8 (5.7)	5	46.9 (2.1)
	3	<b>1</b>	<b>19.3 (0.9)</b>	2	24.3 (0.1)	3	37.7 (2.1)	5	74.6 (3.1)	2	23.9 (2.2)	6	107.4 (5.4)	4	47.2 (2.2)
	4	2	25.1 (1.4)	<b>1</b>	<b>12.8 (0.1)</b>	4	38.4 (2.7)	6	81.2 (3.8)	3	35.3 (1.9)	7	112.6 (6.5)	5	47.3 (2.8)
	5	<b>1</b>	<b>17.6 (0.9)</b>	3	31.3 (0.1)	5	67.4 (3.9)	7	115.4 (5.1)	2	28.6 (2.6)	6	80.5 (4.6)	4	62.4 (3.2)
	6	2	15.3 (1.2)	<b>1</b>	<b>11.6 (0.0)</b>	4	37.9 (2.6)	5	77.7 (3.4)	3	18.7 (2.5)	5	75.9 (3.2)	4	36.9 (2.0)
	7	2	19.6 (1.3)	<b>1</b>	<b>10.9 (0.1)</b>	3	40.4 (3.0)	5	86.5 (4.1)	2	18.3 (3.0)	4	67.2 (3.4)	3	38.9 (2.3)
	8	<b>1</b>	<b>11.2 (0.5)</b>	4	85.5 (0.5)	6	108.0 (5.9)	7	152.7 (6.7)	3	65.8 (0.7)	2	22.9 (0.7)	5	93.2 (4.7)
	9	<b>1</b>	<b>19.3 (1.1)</b>	2	27.2 (0.0)	3	39.1 (1.9)	4	70.3 (2.7)	<b>1</b>	<b>20.7 (2.3)</b>	5	100.1 (4.9)	3	38.8 (1.5)
	10	<b>1</b>	<b>14.4 (1.1)</b>	2	15.7 (0.1)	4	51.7 (3.5)	6	102.7 (4.7)	3	20.2 (2.6)	5	92.5 (4.8)	4	55.4 (3.2)
$S_2$	1	<b>1</b>	<b>21.5 (0.4)</b>	5	206.5 (5.0)	6	229.9 (5.8)	7	300.8 (7.5)	4	156.5 (8.1)	3	114.4 (5.3)	2	101.5 (5.0)
	2	<b>1</b>	<b>14.2 (0.5)</b>	2	21.3 (0.5)	3	29.8 (1.7)	5	71.5 (2.1)	4	40.6 (2.6)	6	94.5 (3.3)	4	39.3 (1.9)
	3	<b>1</b>	<b>15.7 (0.6)</b>	2	22.0 (0.8)	4	31.0 (1.8)	6	72.6 (2.0)	3	25.9 (1.9)	7	93.2 (3.0)	5	39.9 (1.9)
	4	2	19.0 (0.7)	<b>1</b>	<b>14.9 (0.5)</b>	3	27.4 (2.0)	5	78.9 (2.4)	4	35.7 (0.9)	6	99.1 (2.7)	4	35.6 (2.1)
	5	<b>1</b>	<b>13.4 (0.4)</b>	3	38.1 (1.8)	5	55.3 (3.2)	7	113.4 (2.8)	2	24.4 (1.2)	6	72.9 (2.8)	4	51.9 (2.9)
	6	<b>1</b>	<b>10.5 (0.2)</b>	3	14.3 (1.1)	4	28.6 (2.2)	6	75.7 (2.1)	2	12.0 (0.3)	5	66.6 (1.9)	4	30.5 (1.7)
	7	2	13.2 (0.3)	3	14.5 (0.7)	4	28.0 (2.0)	6	83.3 (2.5)	<b>1</b>	<b>9.4 (0.3)</b>	5	59.1 (1.5)	4	29.5 (1.6)
	8	<b>1</b>	<b>8.8 (0.3)</b>	4	89.4 (3.3)	5	96.8 (3.6)	6	152.8 (3.3)	3	64.3 (0.2)	2	21.0 (0.3)	4	86.0 (3.0)
	9	<b>1</b>	<b>13.4 (0.4)</b>	3	26.3 (0.7)	4	32.4 (1.6)	5	68.4 (2.1)	2	17.4 (0.7)	6	87.2 (2.3)	4	31.9 (1.4)
	10	<b>1</b>	<b>11.4 (0.3)</b>	3	22.8 (1.3)	4	39.3 (2.9)	7	99.4 (2.5)	2	17.4 (0.8)	6	81.3 (2.3)	5	44.2 (2.4)
$S_3$	1	<b>1</b>	<b>21.1 (0.5)</b>	5	209.1 (5.6)	5	211.7 (4.7)	6	284.3 (7.6)	4	180.3 (8.2)	3	109.5 (3.7)	2	93.1 (4.0)
	2	<b>1</b>	<b>13.2 (0.4)</b>	2	20.4 (0.7)	3	26.1 (1.2)	6	70.3 (1.8)	5	46.2 (2.7)	7	90.1 (2.1)	4	36.0 (1.2)
	3	<b>1</b>	<b>13.7 (0.2)</b>	2	21.5 (0.7)	3	27.0 (1.3)	6	71.1 (1.8)	4	29.9 (2.0)	7	88.1 (2.1)	5	36.3 (1.2)
	4	2	17.9 (0.6)	<b>1</b>	<b>16.1 (0.7)</b>	3	21.9 (1.5)	6	76.4 (1.9)	5	38.7 (0.6)	7	95.0 (2.3)	4	31.1 (1.3)
	5	<b>1</b>	<b>12.4 (0.4)</b>	3	39.6 (1.0)	4	45.4 (2.8)	6	107.1 (1.9)	2	26.2 (1.3)	5	70.2 (1.9)	4	46.9 (2.4)
	6	<b>1</b>	<b>10.2 (0.3)</b>	3	14.7 (0.9)	4	22.8 (1.7)	7	72.9 (1.5)	2	11.3 (0.2)	6	63.4 (1.2)	5	27.1 (1.3)
	7	2	12.4 (0.3)	3	16.9 (0.7)	4	21.7 (1.5)	7	79.4 (1.7)	<b>1</b>	<b>9.0 (0.2)</b>	6	56.0 (1.1)	5	26.1 (1.2)
	8	<b>1</b>	<b>8.0 (0.2)</b>	6	92.7 (2.9)	5	86.9 (3.1)	7	148.2 (2.6)	3	64.2 (0.2)	2	20.2 (0.2)	4	80.7 (2.5)
	9	<b>1</b>	<b>12.9 (0.4)</b>	3	24.4 (1.0)	4	29.1 (1.1)	6	66.0 (1.6)	2	18.8 (0.7)	7	83.6 (1.7)	5	30.5 (0.9)
	10	<b>1</b>	<b>10.2 (0.3)</b>	3	22.9 (0.8)	4	30.5 (2.3)	7	94.7 (1.9)	2	18.6 (0.8)	6	76.1 (1.4)	5	36.8 (2.1)
$S_4$	1	<b>1</b>	<b>20.8 (0.5)</b>	5	204.0 (4.3)	4	198.8 (3.2)	6	272.1 (7.2)	5	203.8 (7.4)	3	106.5 (2.9)	2	86.0 (2.8)
	2	<b>1</b>	<b>13.0 (0.3)</b>	2	20.3 (0.8)	3	23.3 (0.8)	6	65.0 (1.2)	5	50.9 (2.3)	7	86.2 (1.7)	4	33.8 (1.0)
	3	<b>1</b>	<b>12.6 (0.3)</b>	2	19.6 (0.5)	3	24.0 (0.8)	5	65.8 (1.1)	4	33.2 (1.9)	6	84.1 (1.8)	4	34.2 (1.1)
	4	<b>1</b>	<b>16.0 (0.4)</b>	<b>1</b>	<b>16.1 (0.9)</b>	2	18.0 (1.1)	5	71.9 (1.5)	4	39.6 (0.5)	6	90.6 (1.7)	3	29.2 (1.1)
	5	<b>1</b>	<b>11.7 (0.3)</b>	3	39.9 (1.5)	3	38.9 (2.6)	6	103.8 (1.8)	2	27.5 (1.4)	5	68.7 (1.7)	4	42.9 (1.8)
	6	<b>1</b>	<b>9.8 (0.3)</b>	3	13.3 (0.6)	4	18.5 (1.2)	7	69.3 (1.3)	2	10.5 (0.2)	6	61.1 (1.1)	5	24.6 (0.9)
	7	2	11.6 (0.3)	3	18.6 (0.8)	3	18.2 (1.4)	6	75.4 (1.5)	<b>1</b>	<b>8.8 (0.2)</b>	5	54.4 (1.0)	4	23.4 (0.9)
	8	<b>1</b>	<b>7.3 (0.1)</b>	6	88.6 (3.2)	5	83.5 (3.6)	7	145.9 (2.2)	3	64.0 (0.3)	2	19.5 (0.2)	4	77.8 (2.2)
	9	<b>1</b>	<b>12.1 (0.3)</b>	3	22.8 (1.1)	4	26.6 (0.6)	6	63.2 (1.1)	2	20.0 (0.5)	7	80.0 (1.5)	5	29.0 (0.7)
	10	<b>1</b>	<b>9.5 (0.2)</b>	3	25.3 (1.4)	3	24.0 (1.9)	6	91.0 (1.8)	2	19.8 (0.7)	5	73.0 (1.3)	4	33.5 (1.4)
$S_5$	1	<b>1</b>	<b>21.3 (0.7)</b>	5	206.0 (4.6)	4	193.0 (2.7)	6	266.1 (7.9)	5	207.0 (6.3)	3	105.4 (2.4)	2	84.7 (3.8)
	2	<b>1</b>	<b>12.6 (0.4)</b>	2	20.6 (0.9)	3	23.2 (0.6)	6	64.7 (1.2)	5	52.3 (2.2)	7	85.4 (1.6)	4	34.4 (1.3)
	3	<b>1</b>	<b>12.2 (0.3)</b>	2	20.8 (0.7)	3	23.7 (0.6)	5	65.4 (1.2)	4	34.9 (1.8)	6	83.7 (1.7)	4	34.5 (1.2)
	4	<b>1</b>	<b>15.8 (0.4)</b>	<b>1</b>	<b>16.1 (0.9)</b>	2	17.0 (0.6)	5	70.4 (1.5)	4	39.7 (0.5)	6	87.3 (1.5)	3	26.9 (0.9)
	5	<b>1</b>	<b>11.1 (0.3)</b>	4	38.8 (1.2)	3	36.7 (1.7)	6	101.6 (1.9)	2	28.2 (1.2)	5	68.0 (1.4)	4	40.1 (1.6)
	6	<b>1</b>	<b>9.8 (0.3)</b>	3	14.7 (0.9)	4	17.4 (0.8)	7	67.2 (1.2)	2	10.5 (0.2)	6	60.4 (1.0)	5	23.8 (0.9)
	7	2	10.9 (0.2)	3	17.2 (0.6)	3	17.2 (0.7)	6	72.9 (1.5)	<b>1</b>	<b>8.8 (0.2)</b>	5	53.2 (0.9)	4	22.4 (0.9)
	8	<b>1</b>	<b>7.1 (0.2)</b>	6	94.6 (3.7)	5	83.3 (2.1)	7	146.9 (2.4)	3	63.7 (0.4)	2	19.3 (0.3)	4	76.6 (1.8)
	9	<b>1</b>	<b>12.1 (0.4)</b>	3	23.1 (1.3)	4	26.3 (0.5)	6	62.1 (1.1)	2	20.3 (0.5)	7	77.8 (1.3)	5	29.1 (0.7)
	10	<b>1</b>	<b>9.2 (0.3)</b>	3	23.6 (1.3)	3	22.3 (1.2)	6	88.6 (1.8)	2	20.2 (0.6)	5	71.6 (1.1)	4	30.1 (1.5)
Average $r$		<b>1.2</b>		2.9		3.8		6		2.8		5.3		4	