

Wide ResNet 50 Bottle

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	99.92	100	100	73.33	79.13	87.62	82.78
	I-F	99.21	86.30	86.30	86.30	86.30	86.30	86.30
	P-A	98.29	97.69	97.53	58.06	72.87	79.96	73.19
	P-F	72.12	53.20	48.23	14.87	13.79	14.56	14.91
Patch core	I-A	100	100	100	89.99	91.90	96.83	96.27
	I-F	100	87.5	86.30	86.30	86.30	86.30	86.30
	P-A	98.09	96.24	97.62	85.10	92.77	96.24	93.44
	P-F	68.77	64.79	67.37	21.17	30.31	48.97	38.32
STFPM	I-A	100	98.41	98.02	79.36	95.32	98.49	97.14
	I-F	96.72	91.37	90.43	86.30	87.32	96.72	96.72
	P-A	97.73	97.11	96.99	67.27	87.88	95.84	92.70
	P-F	64.57	63.77	63.22	14.37	30.02	65.96	43.96
CFlow	I-A	99.60	97.38	95.08	37.62	73.02	49.76	32.53
	I-F	98.41	90.43	81.13	86.30	86.30	84.72	86.30
	P-A	97.70	96.31	95.74	76.58	78.93	86.44	83.36
	P-F	39.40	47.69	54.72	20.91	22.98	30.76	27.72
DFM	I-A	98.09	87.22	89.13	76.51	59.17	73.49	65.08
	I-F	34.21	85.96	87.50	85.52	86.30	86.30	86.30
DFKDE	I-A	53.96	49.21	48.41	50.91	49.21	48.06	43.65
	I-F	6.15	86.30	86.30	85.31	86.30	86.30	86.30
Ours	I-A	98.25	88.08	86.83	90.95	95.56	97.78	96.35
	I-F	96.83	89.36	86.90	86.30	92.19	93.02	87.50
	P-A	96.78	92.26	90.98	74.86	88.91	89.56	87.75
	P-F	63.08	44.61	43.39	33.59	54.04	54.72	54.54

Wide ResNet 50 Cable

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	91.62	91.63	77.87	94.12	92.36	92.52	91.87
	I-F	88.67	87.38	76.03	89.12	86.91	87.63	87.37
	P-A	97.59	97.53	96.39	97.48	97.48	97.34	97.39
	P-F	54.70	54.07	39.83	55.24	54.87	53.68	55.00
Patch core	I-A	98.14	96.83	86.60	97.41	98.03	97.41	98.09
	I-F	95.56	91.28	76.03	93.12	94.56	92.71	94.12
	P-A	98.43	98.30	97.35	98.06	98.37	98.08	98.23
	P-F	64.27	62.77	41.86	62.63	64.04	61.04	62.59
STFPM	I-A	89.82	88.89	63.09	88.94	89.39	91.66	90.85
	I-F	87.09	85.56	76.35	83.43	88.04	87.70	88.64
	P-A	95.48	95.21	93.23	93.56	94.85	93.97	94.48
	P-F	59.85	54.95	32.12	55.68	58.90	55.37	58.20
CFlow	I-A	93.10	92.97	82.30	89.75	93.59	84.67	88.31
	I-F	86.70	89.94	77.63	84.62	88.69	80.20	85.18
	P-A	95.75	96.07	93.46	94.68	95.95	94.16	95.64
	P-F	47.11	49.50	36.20	43.84	47.47	42.89	50.39
DFM	I-A	90.44	90.42	76.33	83.94	90.44	86.75	87.95
	I-F	75.16	40.00	76.67	77.25	75.16	81.82	88.54
DFKDE	I-A	76.62	65.22	40.93	66.87	69.73	66.09	63.39
	I-F	75.51	76.92	76.03	75.86	77.31	75.83	76.34
Ours	I-A	90.84	90.21	79.65	93.73	91.03	91.80	92.88
	I-F	88.06	85.68	80.39	89.14	86.18	87.54	87.53
	P-A	97.96	97.56	96.65	97.91	97.34	97.90	97.14
	P-F	54.23	53.15	43.99	54.38	53.35	52.25	54.45

Wide ResNet 50 Capsule

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	90.43	90.63	81.53	68.73	71.48	65.66	63.02
	I-F	96.40	94.27	90.46	90.46	90.46	90.46	90.46
	P-A	98.44	97.68	97.30	80.75	96.82	95.53	94.74
	P-F	48.24	47.85	39.88	02.22	20.78	07.18	09.45
Patch core	I-A	97.32	95.45	76.22	72.35	81.77	76.47	66.21
	I-F	96.39	95.54	90.45	90.45	90.45	90.46	90.46
	P-A	98.64	98.18	96.93	84.64	96.99	94.81	94.78
	P-F	49.43	48.69	26.47	2.68	23.77	9.49	11.29
STFPM	I-A	54.78	52.58	61.71	49.06	64.74	63.70	62.03
	I-F	90.87	86.48	69.99	90.45	80.40	86.64	90.76
	P-A	94.47	93.99	94.93	69.55	95.16	93.41	92.49
	P-F	16.58	15.56	24.31	3.28	21.98	12.14	11.04
CFlow	I-A	83.07	93.67	49.95	35.04	59.17	58.22	69.54
	I-F	90.28	90.87	90.82	80.46	90.46	90.46	91.45
	P-A	98.89	97.45	92.42	82.07	96.18	92.07	93.71
	P-F	15.48	17.72	19.26	14.27	15.06	17.69	19.42
DFM	I-A	91.50	64.49	48.62	57.36	63.74	52.49	57.04
	I-F	19.83	52.29	90.46	90.46	61.08	90.46	90.83
DFKDE	I-A	84.36	67.75	48.17	63.54	72.39	56.32	57.59
	I-F	84.10	90.46	90.46	90.46	90.46	90.46	90.46
Ours	I-A	90.95	90.91	79.53	72.68	73.75	66.64	63.76
	I-F	95.50	93.98	90.46	90.46	90.46	90.46	90.46
	P-A	98.95	97.90	97.22	83.81	96.72	95.23	94.12
	P-F	49.06	47.06	31.34	02.25	18.11	06.95	09.12

Wide ResNet 50 Carpet

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	98.19	99.64	99.04	98.03	98.39	98.52	97.63
	I-F	97.75	96.17	86.41	97.18	96.63	93.05	96.09
	P-A	98.47	98.83	98.22	98.62	98.57	98.40	98.58
	P-F	54.42	54.66	27.36	55.09	54.24	53.52	54.12
Patch core	I-A	96.55	98.43	97.35	97.83	97.19	98.47	97.27
	I-F	95.35	95.60	86.41	97.14	96.55	96.00	95.59
	P-A	98.62	98.66	97.60	98.58	98.66	98.53	98.54
	P-F	55.26	53.52	4.59	55.49	55.35	53.94	54.45
STFPM	I-A	98.19	99.71	50.19	99.31	99.87	98.54	99.03
	I-F	92.05	98.77	68.41	95.44	94.12	95.79	96.05
	P-A	99.45	99.75	35.45	99.52	99.49	99.19	99.28
	P-F	68.62	59.17	3.32	68.96	68.82	67.62	67.28
CFlow	I-A	90.67	98.47	89.62	96.11	94.35	95.15	94.79
	I-F	87.60	91.60	88.41	90.12	90.60	87.62	92.67
	P-A	97.96	98.56	93.24	98.62	98.81	98.56	97.77
	P-F	52.82	59.27	13.78	56.59	55.45	54.44	51.06
DFM	I-A	90.97	85.71	70.75	97.43	96.75	95.83	97.19
	I-F	89.39	87.00	86.41	94.74	94.05	94.38	95.95
DFKDE	I-A	55.56	46.07	50.00	76.57	69.90	72.69	69.46
	I-F	44.79	82.99	86.41	87.37	78.82	87.13	87.05
Ours	I-A	98.05	99.23	97.20	98.30	98.38	98.01	98.37
	I-F	95.05	98.75	86.41	95.93	95.11	95.78	96.51
	P-A	98.42	98.46	98.00	98.45	98.59	98.06	98.90
	P-F	53.48	53.28	03.16	55.97	57.56	54.33	54.50

Wide ResNet 50 Grid

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	95.32	97.08	80.37	82.37	80.87	74.60	87.80
	I-F	92.86	92.59	86.36	84.44	84.62	84.44	86.15
	P-A	95.75	96.59	85.83	90.88	94.96	93.04	94.64
	P-F	32.28	32.07	04.83	15.94	28.07	20.92	30.19
Patch core	I-A	93.81	87.47	57.60	69.67	78.45	65.83	76.86
	I-F	91.59	86.79	84.44	85.07	83.20	84.44	84.44
	P-A	95.32	91.38	74.75	76.56	92.29	88.06	91.25
	P-F	23.23	24.07	2.68	3.72	23.69	19.34	26.04
STFPM	I-A	97.57	95.73	94.53	93.89	95.65	91.06	93.32
	I-F	89.46	86.23	90.44	91.82	88.45	90.69	89.42
	P-A	98.92	98.63	95.07	96.04	98.17	98.24	98.20
	P-F	49.35	48.11	6.43	29.94	48.69	42.40	47.26
CFlow	I-A	86.82	75.32	55.09	74.42	63.41	70.52	60.22
	I-F	84.36	85.02	84.44	84.44	83.44	84.44	84.44
	P-A	92.96	90.39	75.23	73.31	86.35	81.69	84.71
	P-F	26.36	24.80	11.39	4.26	17.42	10.17	15.38
DFM	I-A	47.37	38.59	55.76	49.71	47.91	52.96	48.29
	I-F	9.99	58.59	84.44	84.44	82.17	84.44	84.44
DFKDE	I-A	39.01	36.93	53.09	55.01	47.08	51.04	45.78
	I-F	6.67	65.42	84.44	85.07	83.97	84.44	85.07
Ours	I-A	95.99	98.97	89.15	93.85	91.97	89.30	93.47
	I-F	86.37	94.14	90.32	89.16	91.93	85.18	90.76
	P-A	96.08	97.24	90.73	93.74	96.41	94.93	96.02
	P-F	27.51	28.08	10.11	24.69	27.20	26.18	28.86

Wide ResNet 50 Haze- Nut

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	98.64	97.61	98.47	98.64	99.07	97.57	97.46
	I-F	97.18	95.17	95.10	94.11	94.81	94.81	93.23
	P-A	98.60	98.42	98.33	98.47	98.25	97.39	97.35
	P-F	59.52	57.90	57.90	59.74	60.01	60.07	59.43
Patch core	I-A	100	99.93	99.04	100	100	100	99.96
	I-F	100	98.59	79.54	97.90	99.29	96.55	99.29
	P-A	98.62	98.55	98.34	98.17	98.16	97.85	97.95
	P-F	58.76	58.02	50.13	55.27	55.39	53.02	53.98
STFPM	I-A	96.24	95.07	95.46	97.75	95.96	96.46	97.24
	I-F	92.61	92.89	80.97	88.02	91.17	87.05	87.77
	P-A	97.19	97.03	97.97	97.22	97.90	97.45	96.91
	P-F	52.56	51.92	52.55	55.29	52.38	52.54	50.72
CFlow	I-A	100	98.64	99.43	94.50	97.96	96.53	93.25
	I-F	77.78	77.78	87.50	89.78	73.79	58.78	65.78
	P-A	98.40	98.15	98.46	98.22	96.19	95.14	97.97
	P-F	27.94	26.39	37.41	58.91	24.99	12.51	15.85
DFM	I-A	96.21	85.82	66.68	74.03	85.24	84.42	85.14
	I-F	35.21	35.29	51.48	75.18	70.27	84.35	84.51
DFKDE	I-A	73.82	68.92	66.57	64.07	71.75	67.39	67.21
	I-F	61.11	69.12	76.13	75.73	73.38	75.90	78.78
Ours	I-A	96.18	94.86	86.54	96.46	95.72	95.86	92.54
	I-F	94.12	90.61	82.34	92.61	94.73	92.54	92.97
	P-A	98.51	98.97	97.68	98.69	98.35	98.22	94.42
	P-F	64.82	64.45	60.02	65.55	64.54	64.78	62.13

Wide ResNet 50 Leather

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	1	1	1	1	1	99.97	1
	I-F	1	1	1	99.45	99.45	99.45	1
	P-A	99.01	98.96	99.11	98.99	99.04	99.04	99.00
	P-F	39.59	38.03	35.93	38.58	39.48	40.29	39.26
Patch core	I-A	100	100	100	100	100	99.89	100
	I-F	99.45	100	85.18	99.45	100	98.92	100
	P-A	99.03	99.06	98.93	99.03	98.98	98.89	98.94
	P-F	40.76	36.55	15.95	40.03	40.10	39.41	40.04
STFPM	I-A	99.08	100	99.35	99.76	99.36	99.09	99.88
	I-F	97.08	98.91	85.79	97.62	98.92	97.65	98.71
	P-A	98.79	98.52	99.87	98.94	98.92	98.88	98.22
	P-F	30.95	33.18	18.53	42.73	31.64	29.08	29.32
CFlow	I-A	99.42	99.59	74.32	97.69	99.93	98.91	99.78
	I-F	97.90	98/39	0	95.78	98.91	93.34	99.45
	P-A	99.26	99.11	98.93	99.94	99.80	98.33	98.70
	P-F	40.98	45.39	0	52.40	52.73	27.81	38.23
DFM	I-A	99.11	94.87	87.50	95.85	97.18	93.54	96.73
	I-F	66.67	87.80	85.18	81.29	89.15	89.47	95.13
DFKDE	I-A	85.52	79.50	50.00	80.77	86.65	74.39	87.50
	I-F	58.46	85.18	85.18	72.48	78.21	82.61	90.63
Ours	I-A	99.60	99.76	99.49	99.59	99.63	99.59	99.53
	I-F	97.35	97.87	97.87	97.69	98.40	97.87	97.87
	P-A	98.50	98.37	98.03	98.47	98.36	98.38	98.17
	P-F	45.96	44.90	43.26	44.77	45.44	45.95	45.58

Wide ResNet 50 Metal- Nut

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	99.36	99.56	90.18	97.99	95.60	86.61	79.86
	I-F	98.39	95.88	89.42	95.87	89.42	89.42	89.42
	P-A	98.37	97.98	95.76	97.07	92.37	87.34	77.07
	P-F	82.53	79.70	45.95	76.45	32.36	24.33	24.63
Patch core	I-A	99.56	98.92	90.86	98.28	88.56	77.71	71.55
	I-F	98.91	95.83	89.42	96.29	89.42	89.42	89.42
	P-A	98.55	98.17	96.27	97.72	96.58	95.80	92.75
	P-F	82.08	81.55	55.03	78.51	72.90	63.45	51.44
STFPM	I-A	67.01	70.28	80.96	73.77	59.80	65.21	70.52
	I-F	89.22	86.28	86.75	86.41	87.23	87.01	89.85
	P-A	95.01	91.65	91.80	92.13	81.45	79.64	62.74
	P-F	67.02	47.20	47.08	59.68	34.78	29.07	24.05
CFlow	I-A	97.87	93.89	94.36	80.48	58.93	27.71	40.87
	I-F	89.42	89.29	89.42	89.09	89.71	89.83	89.85
	P-A	96.69	95.54	87.29	87.61	70.66	54.90	60.99
	P-F	24.69	24.64	23.28	21.52	25.32	20.70	24.79
DFM	I-A	87.43	76.44	56.06	79.61	80.00	76.24	78.93
	I-F	39.65	39.65	88.78	32.43	53.54	88.08	90.62
DFKDE	I-A	61.04	64.17	54.20	55.08	45.72	48.97	51.29
	I-F	39.65	85.85	89.42	88.78	89.42	89.42	89.42
Ours	I-A	99.56	99.02	97.10	99.56	99.51	98.72	97.72
	I-F	97.10	96.18	86.42	96.10	97.42	95.42	94.42
	P-A	98.24	98.93	98.14	98.25	98.66	98.00	97.52
	P-F	60.73	59.40	57.26	60.72	61.51	60.75	60.48

Wide ResNet 50 Pill

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	96.59	95.09	81.99	69.55	72.91	77.08	52.75
	I-F	54.63	55.38	47.31	84.47	57.71	73.36	91.55
	P-A	94.94	94.78	95.26	89.43	77.71	78.18	51.80
	P-F	14.93	13.74	16.96	29.16	13.78	18.22	8.72
Patch core	I-A	92.33	89.44	80.19	51.88	71.95	66.74	64.40
	I-F	73.21	75.11	83.00	91.55	88.81	91.55	91.55
	P-A	97.43	96.97	94.97	85.51	86.15	85.08	78.88
	P-F	52.20	55.75	54.42	17.02	46.12	42.35	39.85
STFPM	I-A	64.70	64.53	62.71	58.48	55.23	58.40	50.87
	I-F	91.55	91.55	87.88	91.55	91.55	91.55	91.55
	P-A	93.04	92.02	88.97	88.48	83.55	81.83	73.23
	P-F	34.35	30.91	26.38	15.46	13.75	19.39	8.29
CFlow	I-A	88.05	78.96	63.58	20.75	35.27	62.52	18.82
	I-F	91.55	91.55	91.55	91.55	91.55	92.40	91.55
	P-A	97.41	96.73	94.07	81.49	71.39	71.13	60.49
	P-F	15.12	14.36	13.13	12.53	12.33	13.45	7.87
DFM	I-A	86.49	75.06	59.08	50.50	54.39	52.94	54.39
	I-F	11.99	11.99	90.13	91.55	90.78	91.85	90.13
DFKDE	I-A	69.03	67.78	51.80	49.64	54.06	52.40	49.46
	I-F	15.68	61.68	91.55	91.55	90.49	90.49	91.85
Ours	I-A	94.94	91.27	82.79	65.51	77.62	77.20	66.54
	I-F	55.56	52.21	54.56	88.56	91.56	91.56	92.56
	P-A	95.84	95.74	88.53	87.78	88.77	71.28	57.38
	P-F	42.40	37.63	40.27	19.29	34.35	13.57	07.87

Wide ResNet 50 Screw

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	84.03	79.50	48.61	73.56	75.52	71.03	76.77
	I-F	80.90	87.34	85.30	85.30	85.30	85.30	85.30
	P-A	98.72	98.34	86.86	92.21	97.75	97.41	97.44
	P-F	30.13	27.81	6.97	3.47	19.14	10.34	18.24
Patch core	I-A	94.85	81.34	46.75	70.40	84.30	69.01	78.35
	I-F	55.75	74.37	85.30	85.30	87.13	85.30	87.12
	P-A	99.16	98.27	96.02	94.60	97.46	96.79	97.47
	P-F	18.67	19.51	4.64	4.28	31.78	17.49	28.56
STFPM	I-A	69.31	57.30	49.72	73.06	63.82	59.27	44.64
	I-F	71.56	83.58	85.30	85.30	84.78	84.89	85.30
	P-A	97.20	96.58	95.79	68.24	96.68	95.92	96.11
	P-F	9.52	20.81	6.11	1.38	24.23	23.80	11.61
CFlow	I-A	57.20	82.84	61.71	43.57	61.28	61.44	32.61
	I-F	85.30	85.30	85.30	85.30	85.30	85.30	85.30
	P-A	95.60	95.19	94.89	69.69	86.93	85.58	83.25
	P-F	1.51	1.61	1.61	0.90	1.17	1.27	1.31
DFM	I-A	70.64	40.43	49.28	50.00	32.81	30.90	33.51
	I-F	1.67	78.76	85.30	85.30	84.89	85.30	85.30
DFKDE	I-A	64.33	53.86	49.92	35.90	28.41	26.21	23.30
	I-F	27.97	79.67	85.30	85.30	84.74	84.47	85.30
Ours	I-A	83.60	77.54	44.46	76.83	78.07	71.24	79.55
	I-F	77.90	86.72	85.30	85.30	86.67	85.30	88.86
	P-A	97.94	98.92	96.79	94.77	98.99	97.58	97.79
	P-F	22.45	26.73	7.61	18.42	26.27	23.67	26.54

Wide ResNet 50 Tile

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	99.53	98.48	97.61	98.59	99.81	99.60	99.53
	I-F	97.07	93.71	83.58	92.30	96.00	92.30	97.67
	P-A	95.14	92.71	92.07	94.58	94.73	94.26	94.41
	P-F	58.23	52.32	26.73	52.32	57.64	56.26	57.43
Patch core	I-A	99.71	99.31	94.98	98.48	99.92	99.56	99.78
	I-F	98.24	93.85	83.58	96.47	98.80	97.64	98.80
	P-A	94.25	91.95	91.07	92.84	93.30	92.53	93.08
	P-F	54.99	50.66	27.49	52.76	55.15	53.03	54.76
STFPM	I-A	96.68	99.67	99.17	97.79	99.85	99.63	99.81
	I-F	90.12	88.74	93.67	91.02	91.61	94.99	94.99
	P-A	97.40	95.31	96.92	96.62	97.09	96.80	96.83
	P-F	65.61	66.36	32.73	63.29	62.85	65.56	63.41
CFlow	I-A	96.71	90.72	79.18	95.77	96.68	97.18	98.19
	I-F	61.57	26.80	23.52	26.80	44.44	21.27	35.29
	P-A	92.72	86.18	76.86	83.95	88.64	87.61	88.97
	P-F	5.70	1.46	0	1.28	2.08	1.33	0.83
DFM	I-A	99.24	90.62	79.18	96.50	98.48	94.94	96.75
	I-F	98.80	83.58	83.58	83.58	84.84	83.58	83.58
DFKDE	I-A	94.55	77.43	48.80	79.83	90.25	75.97	81.70
	I-F	72.72	83.24	83.58	80.95	86.62	81.91	87.49
Ours	I-A	99.97	98.55	99.82	98.59	99.54	99.14	98.39
	I-F	96.29	95.49	83.58	96.43	97.02	97.57	95.61
	P-A	95.26	91.51	91.07	95.63	95.38	94.75	94.49
	P-F	60.59	55.47	17.94	60.20	58.97	58.88	60.20

Wide ResNet 50 Toothbrush

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	92.22	93.33	95.83	86.38	94.72	98.89	88.33
	I-F	80.00	86.20	83.33	83.58	87.27	92.85	91.22
	P-A	98.99	99.09	98.84	98.76	97.91	98.38	95.71
	P-F	60.11	62.02	57.02	62.47	60.74	61.54	58.58
Patch core	I-A	93.33	95.56	69.72	81.33	95.83	93.33	88.89
	I-F	76.92	89.28	83.33	84.51	91.52	89.65	89.23
	P-A	98.81	98.84	97.17	98.63	96.88	98.53	97.17
	P-F	60.04	61.71	28.39	62.85	60.93	62.88	62.61
STFPM	I-A	76.66	68.05	65.27	69.44	55.00	63.88	54.72
	I-F	83.33	83.33	83.33	83.33	76.19	83.33	85.71
	P-A	21.37	19.46	14.33	20.01	20.24	19.30	19.46
	P-F	2.99	3.00	3.01	3.01	3.00	3.01	3.01
CFlow	I-A	78.89	89.44	70.27	60.83	64.16	66.11	91.67
	I-F	83.33	83.33	83.33	83.33	83.33	83.33	91.52
	P-A	97.72	97.71	95.06	96.17	95.91	96.74	95.48
	P-F	7.79	7.62	6.74	6.85	39.48	35.00	43.33
DFM	I-A	84.72	77.22	56.94	71.38	81.38	68.05	69.72
	I-F	23.52	37.83	81.15	77.96	89.23	82.85	86.15
DFKDE	I-A	71.38	76.38	50.00	55.83	55.27	46.11	59.44
	I-F	33.33	51.16	83.33	83.33	84.50	83.33	83.33
Ours	I-A	100	100	91.39	99.17	100	98.61	85.89
	I-F	100	100	83.33	88.24	100	83.33	83.33
	P-A	98.75	98.79	97.16	98.48	97.82	82.94	69.91
	P-F	55.29	56.00	49.52	50.57	53.14	46.05	43.55

Wide ResNet 50 Transistor

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	99.49	99.25	98.75	99.58	99.21	98.83	98.87
	I-F	90.41	92.10	89.18	85.71	87.32	90.66	88.89
	P-A	95.68	96.04	97.56	98.04	97.41	97.40	96.54
	P-F	57.49	57.00	56.49	57.20	60.05	63.50	62.80
Patch core	I-A	99.58	99.04	91.37	99.16	97.29	93.62	93.29
	I-F	73.01	70.96	73.26	68.85	75.00	85.33	84.50
	P-A	97.48	97.02	93.15	96.75	94.06	90.12	90.97
	P-F	46.62	49.44	47.80	49.47	53.15	49.31	52.13
STFPM	I-A	60.70	62.54	61.62	70.91	62.00	60.29	65.99
	I-F	47.61	56.81	67.30	56.41	62.22	63.15	63.82
	P-A	79.61	78.99	80.68	77.17	78.76	78.35	78.44
	P-F	22.24	23.95	25.81	23.19	31.33	35.88	39.80
CFlow	I-A	79.08	83.54	65.08	79.37	85.25	80.58	76.67
	I-F	55.07	64.34	58.18	60.50	60.93	63.24	60.46
	P-A	89.42	88.19	77.31	88.96	88.53	87.99	87.73
	P-F	38.14	44.45	30.06	44.34	43.04	45.11	43.78
DFM	I-A	91.87	81.29	79.12	83.33	77.54	77.33	80.70
	I-F	22.22	29.78	57.55	29.78	62.68	65.82	74.66
DFKDE	I-A	83.33	82.41	71.20	68.29	70.54	71.45	72.24
	I-F	18.18	55.17	57.14	57.53	50.84	57.73	68.49
Ours	I-A	95.55	99.63	97.71	99.00	99.21	98.71	98.92
	I-F	91.90	94.08	87.34	87.62	91.00	92.50	96.64
	P-A	98.20	98.82	97.98	98.47	97.80	97.78	96.88
	P-F	65.65	66.32	69.20	67.65	70.24	73.51	72.36

Wide ResNet 50 Wood

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	99.38	98.85	98.15	97.89	98.94	99.21	99.47
	I-F	98.33	95.93	93.65	94.91	97.47	96.55	95.65
	P-A	94.85	93.37	92.85	90.56	93.77	92.18	92.71
	P-F	47.65	45.55	39.48	40.93	45.74	43.61	44.38
Patch core	I-A	99.73	98.59	97.71	94.38	98.85	98.77	98.50
	I-F	96.72	94.48	86.33	86.76	95.08	95.16	97.56
	P-A	93.40	91.29	90.24	85.17	91.02	89.07	90.09
	P-F	41.11	36.55	23.25	31.44	39.59	37.87	39.00
STFPM	I-A	99.47	98.94	98.68	98.94	99.21	99.29	98.68
	I-F	98.30	96.72	94.30	93.80	96.55	97.43	97.43
	P-A	97.17	96.15	95.12	93.28	96.10	95.66	96.05
	P-F	61.29	44.77	20.93	45.94	56.34	53.46	56.23
CFlow	I-A	98.33	96.75	83.07	91.31	94.82	98.24	96.67
	I-F	95.16	91.60	86.33	87.40	93.54	95.16	95.23
	P-A	91.27	88.78	84.96	85.67	87.09	88.91	88.74
	P-F	37.67	37.62	35.08	33.58	40.70	41.75	42.57
DFM	I-A	99.47	88.50	65.17	79.51	91.66	88.50	92.19
	I-F	94.73	86.56	86.33	86.33	88.52	87.50	90.90
DFKDE	I-A	84.47	51.09	50.00	44.03	72.19	68.42	72.28
	I-F	85.71	86.33	86.33	85.50	87.40	86.13	87.40
Ours	I-A	99.52	99.21	98.16	99.30	99.39	99.38	99.74
	I-F	98.56	96.67	88.89	95.93	96.67	96.72	98.31
	P-A	94.14	89.07	89.98	86.68	88.67	88.09	87.94
	P-F	47.52	38.74	34.06	35.85	44.15	44.72	44.07

Wide ResNet 50 Zipper

		Ori	Def. B	Gau. B	Drop	Gau. N	Poss. N	S.P. N
Padim	I-A	88.20	91.04	89.46	67.35	63.10	61.21	72.19
	I-F	94.35	94.02	88.14	88.14	88.14	88.14	88.14
	P-A	98.02	98.17	97.08	67.15	77.03	76.08	73.13
	P-F	54.61	48.40	4.67	7.48	7.55	5.27	5.55
Patch core	I-A	95.77	94.30	87.55	68.27	63.05	85.71	66.99
	I-F	97.11	89.13	88.14	88.14	88.14	88.14	88.14
	P-A	98.33	97.63	94.10	71.25	85.14	93.10	82.98
	P-F	57.32	49.16	4.53	8.33	11.25	10.41	8.75
STFPM	I-A	82.06	79.22	87.84	62.44	71.63	70.06	69.03
	I-F	91.49	89.92	88.14	88.14	88.14	88.14	88.14
	P-A	97.95	96.21	92.13	71.53	76.57	74.75	74.17
	P-F	57.31	29.14	4.80	8.49	7.43	5.22	5.59
CFlow	I-A	92.09	91.99	68.85	66.07	13.44	27.62	26.05
	I-F	92.24	93.38	81.51	88.14	88.14	88.14	88.14
	P-A	97.30	96.50	85.28	68.83	73.25	80.73	74.70
	P-F	47.94	42.89	13.06	6.21	8.39	11.90	9.02
DFM	I-A	96.21	92.51	63.70	87.10	83.29	81.93	91.75
	I-F	1.67	3.30	88.14	89.13	88.80	88.80	91.37
DFKDE	I-A	50.42	52.10	33.39	50.00	50.00	49.57	52.46
	I-F	1.67	1.67	77.72	88.14	88.14	88.14	88.14
Ours	I-A	89.84	91.50	90.19	65.94	76.61	67.13	73.93
	I-F	94.43	94.75	88.15	88.15	88.15	88.15	88.15
	P-A	98.76	98.54	97.38	71.87	84.59	81.79	79.17
	P-F	54.06	47.50	4.33	8.68	17.19	6.50	7.40