Single-sample versus case-control sampling schemes for Positive Unlabeled data: the story of two scenarios – supplementary material

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1. Extended result tables

In this section, you can find additional result tables not presented in the paper (F1 score, precision and recall for both single-sample and case-control scenario) in tables 1 through 6.

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Table 1. Test F1 score, single-sample datasets. " Δ " indicates F1 score difference between scenario-appropriate nnPU $_{ss}$ method and ill-specified nnPU $_{cc}$ method.

c	Model	Beans	CIFAR	Chest X-ray	DogFood	EuroSAT	FashionMNIST	MNIST	Oxford Pets	Snacks
0.1	$\left \begin{array}{c} \text{nnPUcc} \\ \text{nnPUss} \\ \Delta \end{array} \right $	66.24 61.48 -4.76	94.19 93.20 -0.99	92.30 92.80 0.50	79.91 76.76 -3.15	81.71 76.04 -5.67	97.14 94.99 -2.15	95.28 93.71 -1.56	74.36 65.67 -8.70	68.70 67.93 -0.77
0.3	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	84.22 82.71 -1.51	93.75 94.97 1.22	94.13 94.95 0.82	96.37 92.60 -3.77	90.34 85.15 -5.19	96.79 96.96 0.17	95.51 96.80 1.29	93.21 81.24 -11.97	77.40 77.20 -0.20
0.5	$\begin{array}{c c} \operatorname{nnPUcc} \\ \operatorname{nnPUss} \\ \Delta \end{array}$	87.24 87.65 0.41	90.58 95.96 5.38	93.96 95.41 1.44	98.21 97.18 -1.02	90.00 90.01 0.01	95.12 97.98 2.86	93.05 98.26 5.21	97.09 88.85 -8.24	79.54 81.74 2.20
0.7	$\left \begin{array}{c} \text{nnPUcc} \\ \text{nnPUss} \\ \Delta \end{array} \right $	88.47 91.31 2.84	85.83 97.10 11.27	92.17 95.84 3.67	98.32 99.01 0.69	86.25 92.65 6.39	85.51 99.11 13.60	87.48 99.00 11.52	96.25 93.77 -2.48	79.84 84.47 4.63
0.9	$\left \begin{array}{c} \text{nnPUcc} \\ \text{nnPUss} \\ \Delta \end{array} \right $	88.01 93.49 5.48	82.93 97.99 15.06	89.24 96.57 7.33	98.00 99.71 1.70	82.69 94.83 12.15	76.08 99.44 23.36	75.94 99.21 23.27	94.73 98.35 3.62	79.92 86.89 6.96

c	Model	California	Credit	Electricity	Wine	20News	HateSpeech	IMDB	PoemSentiment	SMSSpam
0.1	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	82.43 82.07 -0.36	67.12 66.57 -0.54	74.80 73.97 -0.83	69.65 68.17 -1.48	82.96 81.44 -1.52	0.00 0.00 0.00	73.01 71.70 -1.31	1.18 2.35 1.18	20.45 28.29 7.84
0.3	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	84.39 84.08 -0.31	70.78 70.08 -0.70	78.62 76.88 -1.74	75.52 73.94 -1.58	85.70 83.88 -1.82	29.84 30.87 1.03	77.50 74.22 -3.28	11.54 27.46 15.92	85.11 80.71 -4.40
0.5	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	84.37 85.33 0.95	70.99 70.94 -0.05	80.48 79.15 -1.34	78.44 76.08 -2.36	85.64 85.48 -0.16	42.47 41.00 -1.47	79.36 75.18 -4.18	29.54 48.05 18.51	91.42 88.58 -2.84
0.7	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	82.93 86.30 3.38	71.02 70.64 -0.38	80.58 80.33 -0.25	79.47 78.65 -0.81	83.94 86.46 2.51	47.28 45.30 -1.98	79.57 77.07 -2.50	52.70 60.37 7.67	93.89 92.74 -1.15
0.9	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	80.82 86.37 5.55	70.81 70.05 -0.76	79.23 81.14 1.91	79.11 80.29 1.18	81.19 87.62 6.43	49.51 48.39 -1.11	78.55 78.77 0.22	59.71 65.19 5.48	94.85 93.67 -1.18

Table 2. Test precision, single-sample datasets. " Δ " indicates precision difference between scenario-appropriate nnPU $_{ss}$ method and ill-specified nnPU $_{cc}$ method.

с	Model	Beans	CIFAR	Chest X-ray	DogFood	EuroSAT	FashionMNIST	MNIST	Oxford Pets	Snacks
0.1	nnPUcc	82.98	90.11	90.88	89.28	92.74	97.62	94.47	99.59	70.35
	nnPUss	77.50	89.90	91.21	88.30	91.31	97.83	95.15	99.72	71.62
	Δ	-5.48	-0.20	0.33	-0.98	-1.44	0.20	0.68	0.13	1.27
0.3	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	86.94 86.16 -0.77	88.41 92.51 4.09	91.84 93.00 1.17	97.43 97.47 0.04	89.56 91.33 1.78	93.79 97.24 3.45	91.53 97.27 5.74	99.53 99.78 0.26	74.45 77.30 2.85
0.5	nnPUcc	83.14	82.81	91.72	97.77	83.92	90.71	87.04	97.68	73.93
	nnPUss	87.08	93.76	93.86	99.36	92.65	98.02	98.26	99.98	81.20
	Δ	3.93	10.95	2.14	1.59	8.73	7.31	11.22	2.30	7.27
0.7	nnPUcc	81.97	75.18	91.03	97.42	76.65	74.76	77.80	93.87	72.64
	nnPUss	90.26	95.41	94.80	99.80	93.90	98.91	98.79	99.99	84.15
	Δ	8.29	20.23	3.76	2.38	17.25	24.14	20.99	6.13	11.51
0.9	nnPUcc	81.71	70.85	90.14	96.64	70.86	61.39	61.23	90.34	71.83
	nnPUss	93.23	97.00	96.41	99.96	95.34	99.07	98.84	100.00	87.84
	Δ	11.52	26.14	6.27	3.32	24.48	37.68	37.62	9.66	16.01
0.9	Δ	11.52	26.14		3.32	24.48		37.62	9.66	10

c	Model	California	Credit	Electricity	Wine	20News	HateSpeech	IMDB	PoemSentiment	SMSSpam
0.1	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	79.48 80.85 1.37	62.82 63.22 0.41	75.93 76.93 1.01	69.46 69.72 0.26	79.78 79.86 0.08	0.00 0.00 0.00	73.84 74.69 0.86	10.00 20.00 10.00	80.00 99.77 19.77
0.3	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	78.83 84.06 5.22	63.23 65.97 2.74	77.92 81.01 3.09	71.86 75.10 3.24	79.58 82.08 2.49	57.14 55.47 -1.67	75.85 78.96 3.12	48.00 55.04 7.04	95.50 92.94 -2.56
0.5	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	76.24 85.29 9.05	59.74 62.80 3.06	76.95 81.15 4.20	71.77 76.70 4.93	77.53 83.88 6.35	52.24 52.74 0.50	74.72 80.96 6.25	67.50 70.25 2.75	94.70 92.48 -2.22
0.7	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	72.68 86.10 13.42	57.87 59.65 1.78	73.63 81.76 8.13	70.48 77.79 7.31	73.84 84.96 11.12	50.32 53.35 3.03	71.89 81.58 9.69	80.16 76.51 -3.66	96.70 93.85 -2.85
0.9	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	68.84 86.20 17.36	57.12 56.81 -0.31	69.57 81.42 11.84	67.99 78.09 10.10	69.14 86.02 16.88	49.43 53.92 4.49	68.30 81.01 12.71	81.64 80.15 -1.49	98.23 92.39 -5.84

Table 3. Test recall, single-sample datasets. " Δ " indicates precision recall between scenario-appropriate nnPU $_{ss}$ method and ill-specified nnPU $_{cc}$ method.

00			1	CC							
c	Model	Beans	CIFAR	Chest X-ray	DogFood	EuroSA	Γ FashionMN	NIST I	MNIST	Oxford Pet	ts Snacks
	nnPUcc	55.95	98.66	94.04	72.75	73.05	96.68		96.10	59.53	67.40
0.1	nnPUss	51.67	96.76	94.62	68.51	65.20	92.33		92.33	49.28	64.81
	Δ	-4.29	-1.90	0.58	-4.24	-7.85	-4.34		-3.78	-10.25	-2.60
	nnPUcc	81.90	99.76	96.59	95.37	91.15	99.98		99.85	87.65	80.95
0.3	nnPUss	79.76	97.57	97.01	88.24	79.77	96.68		96.33	68.59	77.22
	Δ	-2.14	-2.20	0.41	-7.14	-11.38	-3.30		-3.52	-19.06	-3.73
	nnPUcc	92.14	99.98	96.37	98.67	97.05	100.00		99.96	96.50	86.32
0.5	nnPUss	88.57	98.28	97.01	95.14	87.52	97.95		98.26	79.97	82.39
	Δ	-3.57	-1.70	0.63	-3.53	-9.53	-2.05		-1.70	-16.53	-3.93
	nnPUcc	96.43	99.99	93.55	99.25	98.64	100.00		99.99	98.77	88.87
0.7	nnPUss	92.62	98.85	96.91	98.24	91.44	99.31		99.21	88.28	84.83
	Δ	-3.81	-1.15	3.36	-1.02	-7.20	-0.69		-0.79	-10.49	-4.04
	nnPUcc	95.71	100.00	89.12	99.45	99.27	100.00		99.99	99.59	90.39
0.9	nnPUss	93.81	99.01	96.74	99.45	94.33	99.81		99.57	96.76	85.98
	Δ	-1.90	-0.99	7.62	0.00	-4.94	-0.19		-0.41	-2.83	-4.42
		10.110		*** ***	****	****	**	n.m.		·	23.500
с	Model	Califor	rnia Cre	edit Electricit	y Wine	20News	HateSpeech	IMDB	PoemS	Sentiment S	SMSSpam
	nnPUcc	85.7	7 72.	17 73.73	69.90	86.41	0.00	72.20	(0.62	12.46
0.1	nnPUss	83.4	9 70.	44 71.25	66.76	83.09	0.00	68.94	1	1.25	17.85

c	Model	California	Credit	Electricity	Wine	20News	HateSpeech	IMDB	PoemSentiment	SMSSpam
0.1	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	85.77 83.49 -2.29	72.17 70.44 -1.74	73.73 71.25 -2.48	69.90 66.76 -3.14	86.41 83.09 -3.32	0.00 0.00 0.00	72.20 68.94 -3.26	0.62 1.25 0.62	12.46 17.85 5.40
0.3	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	90.86 84.18 -6.68	80.52 74.99 -5.54	79.37 73.17 -6.20	79.66 72.94 -6.72	92.84 85.77 -7.08	20.29 21.43 1.15	79.23 70.02 -9.22	6.88 18.75 11.88	76.89 71.38 -5.51
0.5	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	94.57 85.47 -9.10	87.65 81.93 -5.72	84.36 77.25 -7.11	86.53 75.67 -10.86	95.64 87.15 -8.50	35.82 33.66 -2.16	84.63 70.18 -14.46	19.38 37.50 18.13	88.45 85.20 -3.25
0.7	$\begin{array}{c c} \operatorname{nnPUcc} \\ \operatorname{nnPUss} \\ \Delta \end{array}$	96.62 86.62 -10.00	92.10 87.02 -5.08	89.00 78.98 -10.03	91.11 79.65 -11.46	97.25 88.01 -9.24	44.67 39.50 -5.17	89.08 73.03 -16.05	40.00 50.62 10.62	91.31 91.72 0.41
0.9	$\begin{array}{c c} nnPUcc \\ nnPUss \\ \Delta \end{array}$	97.89 86.60 -11.29	93.27 91.64 -1.62	92.00 80.92 -11.07	94.60 82.70 -11.90	98.34 89.30 -9.04	49.67 44.06 -5.61	92.42 76.66 -15.76	48.12 55.62 7.50	91.71 95.07 3.37

Table 4. Test F1 score, case-control datasets. " Δ " indicates F1 score difference between scenario-appropriate nnPU $_{cc}$ method and ill-specified nnPU $_{ss}$ method.

c	Model	Beans	CIFAR	Chest X-ray	DogFood	EuroSAT	Fashion MNIST	MNIST	Oxford Pets	Snacks
0.1	$\begin{array}{c} \text{nnPUss} \\ \text{nnPUcc} \\ \Delta \end{array}$	71.14 71.76 0.62	94.59 94.99 0.41	92.89 92.33 -0.57	79.05 81.47 2.41	75.37 81.77 6.40	94.77 97.06 2.29	93.64 95.76 2.12	68.69 76.14 7.45	69.33 69.63 0.30
0.3	$\begin{array}{c} \text{nnPUss} \\ \text{nnPUcc} \\ \Delta \end{array}$	80.53 80.47 -0.06	95.86 96.76 0.90	95.44 94.89 -0.55	90.48 95.79 5.31	82.73 90.94 8.21	94.67 98.71 4.03	94.25 97.95 3.70	76.35 90.09 13.73	78.76 80.64 1.87
0.5	$\begin{array}{c} \text{nnPUss} \\ \text{nnPUcc} \\ \Delta \end{array}$	84.72 84.72 0.00	92.34 97.87 5.53	95.35 95.81 0.46	93.16 97.51 4.35	79.46 94.07 14.61	88.21 99.34 11.13	86.20 98.95 12.75	82.06 94.87 12.81	73.04 84.74 11.70
0.7	$\begin{array}{c} \text{nnPUss} \\ \text{nnPUcc} \\ \Delta \end{array}$	82.66 86.09 3.42	87.82 98.66 10.84	88.92 94.28 5.36	89.77 96.85 7.08	75.12 96.01 20.89	87.76 99.59 11.83	89.83 99.38 9.55	80.44 96.99 16.56	72.22 84.29 12.07
0.9	$\begin{array}{c} \text{nnPUss} \\ \text{nnPUcc} \\ \Delta \end{array}$	47.27 69.56 22.29	94.06 99.32 5.26	91.77 87.59 -4.18	27.68 81.60 53.91	12.50 97.23 84.74	92.43 99.77 7.33	92.08 99.59 7.51	18.05 94.50 76.45	55.93 77.50 21.57

с	Model	California	Credit	Electricity	Wine	20News	HateSpeech	IMDB	PoemSentiment	SMSSpam
0.1	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	82.45 82.81 0.36	66.44 67.37 0.93	74.32 75.04 0.73	69.11 71.25 2.14	82.00 83.44 1.44	0.00 0.00 0.00	72.41 73.75 1.34	7.38 5.31 -2.07	36.99 30.33 -6.66
0.3	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	85.54 87.03 1.48	71.56 73.10 1.54	78.13 78.95 0.82	71.83 77.06 5.23	83.71 87.64 3.93	34.42 38.94 4.52	71.84 78.21 6.38	44.10 41.61 -2.49	80.68 86.37 5.69
0.5	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	87.39 89.26 1.87	76.16 77.83 1.67	81.21 81.75 0.55	76.63 81.65 5.02	78.87 90.34 11.46	32.08 49.95 17.87	74.80 80.95 6.15	55.17 59.11 3.94	79.65 92.79 13.14
0.7	nnPUss nnPUcc Δ	90.07 91.68 1.62	80.34 82.49 2.16	83.89 84.54 0.65	79.64 85.44 5.80	80.82 93.01 12.19	6.47 56.17 49.70	78.05 84.07 6.02	45.80 66.88 21.08	47.23 94.47 47.24
0.9	$\begin{array}{c c} \operatorname{nnPUss} \\ \operatorname{nnPUcc} \\ \Delta \end{array}$	89.91 94.24 4.32	82.10 85.59 3.50	85.19 87.69 2.50	81.38 90.05 8.67	89.11 96.11 6.99	0.00 53.40 53.40	81.48 87.81 6.33	0.00 54.04 54.04	0.78 90.68 89.90

Table 5. Test precision, case-control datasets. " Δ " indicates precision difference between scenario-appropriate nnPU $_{cc}$ method and ill-specified nnPU $_{ss}$ method.

с	Model	Beans	CIFAR	Chest X-ray	DogFood	EuroSAT	Fashion MNIST	MNIST	Oxford Pets	Snacks
0.1	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	69.88 70.66 0.78	92.13 91.73 -0.40	92.24 91.88 -0.36	86.86 85.98 -0.88	89.84 91.76 1.92	98.17 98.20 0.03	95.55 95.88 0.33	96.53 97.48 0.95	69.59 68.11 -1.49
0.3	$\begin{array}{c c} nnPUss \\ nnPUcc \\ \Delta \end{array}$	82.50 81.66 -0.85	96.53 94.40 -2.13	95.64 95.07 -0.57	98.36 97.67 -0.69	93.63 92.93 -0.70	99.48 98.68 -0.80	99.33 97.72 -1.61	99.20 99.16 -0.04	86.25 81.52 -4.73
0.5	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	90.88 90.08 -0.80	98.83 96.29 -2.55	98.05 96.78 -1.27	99.75 99.66 -0.09	98.06 94.44 -3.62	99.67 99.09 -0.58	99.76 98.75 -1.01	99.80 99.37 -0.43	94.17 89.23 -4.95
0.7	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	97.49 97.43 -0.07	99.49 97.72 -1.77	99.32 98.24 -1.08	99.88 99.90 0.01	98.77 96.37 -2.40	99.83 99.35 -0.48	99.79 99.28 -0.51	99.88 99.57 -0.31	96.74 94.52 -2.22
0.9	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	99.32 99.53 0.21	99.62 98.89 -0.73	99.73 98.73 -1.00	100.00 99.94 -0.06	99.75 98.11 -1.64	99.90 99.64 -0.26	99.78 99.58 -0.20	99.90 99.80 -0.10	99.27 96.76 -2.51

c	Model	California	Credit	Electricity	Wine	20News	HateSpeech	IMDB	PoemSentiment	SMSSpam
0.1	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	81.21 80.02 -1.19	65.61 65.02 -0.59	79.28 78.31 -0.97	71.19 70.97 -0.22	81.08 81.05 -0.03	0.00 0.00 0.00	76.76 75.83 -0.94	23.75 20.00 -3.75	99.00 89.57 -9.44
0.3	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	89.47 86.19 -3.28	74.41 72.45 -1.97	85.39 85.09 -0.30	80.97 79.43 -1.54	87.17 85.56 -1.61	61.88 59.57 -2.31	85.07 82.71 -2.36	79.24 81.66 2.42	96.27 94.78 -1.49
0.5	nnPUss	92.21	80.09	89.20	87.65	91.12	77.01	88.95	85.26	99.33
	nnPUcc	89.87	78.57	88.69	85.61	89.27	67.95	87.32	79.83	96.68
	Δ	-2.34	-1.52	-0.51	-2.05	-1.85	-9.06	-1.63	-5.43	-2.65
0.7	nnPUss	94.79	86.07	93.06	91.36	94.63	92.39	92.60	95.10	99.92
	nnPUcc	93.35	85.22	92.84	90.30	93.06	77.90	91.67	90.85	98.21
	Δ	-1.44	-0.85	-0.23	-1.06	-1.57	-14.49	-0.93	-4.25	-1.71
0.9	nnPUss	98.03	94.78	97.28	95.87	97.32	0.00	96.92	0.00	20.00
	nnPUcc	97.14	94.65	97.05	95.61	96.68	91.34	96.68	96.93	99.30
	Δ	-0.89	-0.14	-0.23	-0.27	-0.65	91.34	-0.25	96.93	79.30

Table 6. Test recall, case-control datasets. " Δ " indicates recall difference between scenario-appropriate nnPU $_{cc}$ method and ill-specified nnPU $_{ss}$ method.

с	Model	Beans	CIFAR	Chest X-ray	DogFood	EuroSAT	Fashion MNIST	MNIST	Oxford Pets	Snacks
0.1	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	76.01 76.52 0.51	97.19 98.50 1.31	93.72 93.07 -0.66	72.93 77.89 4.96	64.97 73.79 8.82	91.62 95.95 4.34	91.82 95.66 3.84	53.38 62.52 9.14	69.37 71.49 2.12
0.3	nnPUss nnPUcc Δ	80.79 81.19 0.39	95.20 99.25 4.05	95.26 94.77 -0.49	83.90 94.03 10.13	74.14 89.05 14.91	90.31 98.73 8.42	89.67 98.19 8.52	62.08 82.55 20.47	72.64 79.96 7.32
0.5	$\begin{array}{c c} nnPUss \\ nnPUcc \\ \Delta \end{array}$	80.03 80.64 0.61	86.67 99.50 12.83	92.80 94.89 2.09	87.47 95.46 7.99	66.87 93.71 26.84	79.15 99.59 20.44	75.93 99.14 23.21	69.69 90.77 21.07	59.79 80.89 21.09
0.7	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	72.37 77.64 5.27	78.63 99.62 20.99	80.53 90.75 10.22	81.65 94.04 12.39	60.68 95.66 34.98	78.37 99.83 21.47	81.69 99.49 17.79	67.35 94.55 27.20	57.79 76.29 18.50
0.9	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	32.86 54.70 21.84	89.08 99.74 10.66	85.04 80.01 -5.03	16.67 69.99 53.32	6.82 96.38 89.56	86.01 99.89 13.88	85.50 99.60 14.10	10.13 89.75 79.62	39.37 65.74 26.36

с	Model	California	Credit	Electricity	Wine	20News	HateSpeech	IMDB	PoemSentiment	SMSSpam
0.1	$\begin{array}{ c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	83.83 85.88 2.04	67.44 70.00 2.56	69.97 72.06 2.09	67.29 71.65 4.36	82.96 86.00 3.04	0.00 0.00 0.00	68.53 71.79 3.26	4.50 3.07 -1.43	23.99 19.58 -4.41
0.3	$\begin{array}{c c} nnPUss \\ nnPUcc \\ \Delta \end{array}$	82.02 87.90 5.88	69.58 74.33 4.75	72.06 73.68 1.63	64.66 74.93 10.27	80.53 89.84 9.31	23.98 28.99 5.01	62.18 74.19 12.01	31.69 28.83 -2.86	69.52 79.56 10.04
0.5	nnPUss nnPUcc Δ	83.11 88.74 5.62	73.08 77.74 4.66	74.57 75.86 1.29	68.23 78.10 9.88	69.55 91.44 21.90	20.36 39.72 19.36	64.54 75.45 10.90	41.72 48.24 6.52	66.54 89.34 22.80
0.7	$\begin{array}{ c c c } nnPUss \\ nnPUcc \\ \Delta \end{array}$	85.81 90.09 4.28	75.85 80.35 4.49	76.38 77.62 1.24	70.70 81.14 10.44	70.55 92.97 22.42	3.37 44.07 40.70	67.46 77.64 10.18	30.95 53.67 22.72	31.44 91.07 59.64
0.9	nnPUss nnPUcc Δ	83.08 91.51 8.43	72.50 78.18 5.68	75.81 79.99 4.18	70.92 85.18 14.26	82.19 95.54 13.35	0.00 37.88 37.88	70.29 80.44 10.15	0.00 38.80 38.80	0.40 83.50 83.09