

Table 3. Detailed results for the 11 datasets with ViT-B/16 as backbone. Top-1 accuracy averaged over 3 random seeds is reported. Highest value is highlighted in **bold**, and the second highest is underlined.

Shots	Method	ImageNet	SUN	Aircraft	EuroSAT	Cars	Food	Pets	Flowers	Caltech	DTD	UCF	Average
0	CLIP (ICML '21)	66.7	62.6	24.7	47.5	65.3	86.1	89.1	71.4	92.9	43.6	66.7	65.1
1	CoOp (4) (ICV '22)	68.0	67.3	26.2	50.9	67.1	82.6	90.3	72.7	93.2	50.1	70.7	67.2
	CoOp (16) (ICV '22)	65.7	67.0	20.8	56.4	67.5	84.3	90.2	78.3	92.5	50.1	71.2	67.6
	CoCoOp (CVPR '22)	69.4	68.7	28.1	55.4	67.6	84.9	91.9	73.4	94.1	52.6	70.4	68.8
	TIP-Adapter-F (ECCV '22)	69.4	67.2	28.8	<u>67.8</u>	67.1	85.8	90.6	83.8	94.0	51.6	73.4	<u>70.9</u>
	CLIP-Adapter (ICV '23)	67.9	65.4	25.2	49.3	65.7	86.1	89.0	71.3	92.0	44.2	66.9	<u>65.7</u>
	PLOT++ (ICLR '23)	66.5	66.8	28.6	65.4	<u>68.8</u>	<u>86.2</u>	91.9	80.5	94.3	54.6	<u>74.3</u>	70.7
	KgCoOp (CVPR '23)	68.9	68.4	26.8	61.9	66.7	86.4	<u>92.1</u>	74.7	<u>94.2</u>	52.7	72.8	69.6
	TaskRes (CVPR '23)	69.6	68.1	31.3	65.4	<u>68.8</u>	84.6	90.2	81.7	93.6	53.8	71.7	70.8
	MaPLe (CVPR '23)	<u>69.7</u>	<u>69.3</u>	28.1	29.1	67.6	85.4	91.4	74.9	93.6	50.0	71.1	66.4
	ProGrad (ICCV '23)	67.0	67.0	28.8	57.0	68.2	84.9	91.4	80.9	93.5	52.8	73.3	69.5
	CLIP-LoRA (Ours)	70.4	70.4	<u>30.2</u>	72.3	70.1	84.3	92.3	<u>83.2</u>	93.7	<u>54.3</u>	76.3	72.5
2	CoOp (4) (ICV '22)	68.7	68.0	28.1	66.2	70.5	82.6	89.9	80.9	93.0	53.7	73.5	70.5
	CoOp (16) (ICV '22)	67.0	67.0	25.9	65.1	70.4	84.4	89.9	88.0	93.1	54.1	74.1	70.8
	CoCoOp (CVPR '22)	70.1	69.4	29.3	61.8	68.4	85.9	<u>91.9</u>	77.8	94.4	52.3	73.4	70.4
	TIP-Adapter-F (ECCV '22)	70.0	68.6	<u>32.8</u>	73.2	70.8	86.0	91.6	90.1	93.9	<u>57.8</u>	76.2	73.7
	CLIP-Adapter (ICV '23)	68.2	67.2	27.0	51.2	66.6	86.2	89.7	71.7	93.4	45.4	68.4	66.8
	PLOT++ (ICLR '23)	68.3	68.1	31.1	<u>76.8</u>	73.2	86.3	92.3	<u>89.8</u>	<u>94.7</u>	56.7	<u>76.8</u>	<u>74.0</u>
	KgCoOp (CVPR '23)	69.6	69.6	28.0	69.2	68.2	86.6	92.3	79.8	94.5	55.3	74.6	71.6
	TaskRes (CVPR '23)	<u>70.2</u>	70.5	32.7	70.2	72.1	85.6	90.7	84.4	94.3	55.6	75.2	72.9
	MaPLe (CVPR '23)	70.0	<u>70.7</u>	29.5	59.4	68.5	<u>86.5</u>	91.8	79.8	94.9	50.6	74.0	70.5
	ProGrad (ICCV '23)	69.1	69.0	31.1	66.3	<u>72.4</u>	84.8	91.5	87.5	93.6	56.0	75.6	72.4
	CLIP-LoRA (Ours)	70.8	71.3	33.2	82.7	73.2	83.2	91.3	<u>89.8</u>	94.6	59.9	80.0	75.5
4	CoOp (4) (ICV '22)	69.7	70.6	29.7	65.8	73.4	83.5	92.3	86.6	94.5	58.5	78.1	73.0
	CoOp (16) (ICV '22)	68.8	69.7	30.9	69.7	74.4	84.5	92.5	92.2	94.5	59.5	77.6	74.0
	CoCoOp (CVPR '22)	70.6	70.4	30.6	61.7	69.5	86.3	<u>92.7</u>	81.5	94.8	55.7	75.3	71.7
	TIP-Adapter-F (ECCV '22)	70.7	70.8	<u>35.7</u>	76.8	74.1	86.5	91.9	92.1	94.8	59.8	78.1	75.6
	CLIP-Adapter (ICV '23)	68.6	68.0	27.9	51.2	67.5	86.5	90.8	73.1	94.0	46.1	70.6	67.7
	PLOT++ (ICLR '23)	70.4	71.7	35.3	<u>83.2</u>	<u>76.3</u>	86.5	92.6	<u>92.9</u>	<u>95.1</u>	<u>62.4</u>	<u>79.8</u>	<u>76.9</u>
	KgCoOp (CVPR '23)	69.9	71.5	32.2	71.8	69.5	86.9	92.6	87.0	95.0	58.7	77.6	73.9
	TaskRes (CVPR '23)	<u>71.0</u>	<u>72.7</u>	33.4	74.2	76.0	86.0	91.9	85.0	95.0	60.1	76.2	74.7
	MaPLe (CVPR '23)	70.6	71.4	30.1	69.9	70.1	<u>86.7</u>	93.3	84.9	95.0	59.0	77.1	73.5
	ProGrad (ICCV '23)	70.2	71.7	34.1	69.6	75.0	85.4	92.1	91.1	94.4	59.7	77.9	74.7
	CLIP-LoRA (Ours)	71.4	72.8	37.9	84.9	77.4	82.7	91.0	93.7	95.2	63.8	81.1	77.4
8	CoOp (4) (ICV '22)	70.8	72.4	37.0	74.7	76.8	83.3	92.1	95.0	94.7	63.7	79.8	76.4
	CoOp (16) (ICV '22)	70.6	71.9	38.5	77.1	79.0	82.7	91.3	94.9	94.5	64.8	80.0	76.8
	CoCoOp (CVPR '22)	70.8	71.5	32.4	69.1	70.4	<u>87.0</u>	93.3	86.3	94.9	60.1	75.9	73.8
	TIP-Adapter-F (ECCV '22)	<u>71.7</u>	73.5	39.5	81.3	78.3	86.9	91.8	94.3	95.2	<u>66.7</u>	82.0	78.3
	CLIP-Adapter (ICV '23)	69.1	71.7	30.5	61.6	70.7	86.9	91.9	83.3	94.5	50.5	76.2	71.5
	PLOT++ (ICLR '23)	71.3	73.9	<u>41.4</u>	<u>88.4</u>	<u>81.3</u>	86.6	93.0	95.4	<u>95.5</u>	66.5	<u>82.8</u>	<u>79.6</u>
	KgCoOp (CVPR '23)	70.2	72.6	34.8	73.9	72.8	<u>87.0</u>	93.0	91.5	95.1	65.6	80.0	76.0
	TaskRes (CVPR '23)	72.3	<u>74.6</u>	40.3	77.5	79.6	86.4	92.0	<u>96.0</u>	95.3	<u>66.7</u>	81.6	78.4
	MaPLe (CVPR '23)	71.3	73.2	33.8	82.8	71.3	87.2	<u>93.1</u>	90.5	95.1	63.0	79.5	76.4
	ProGrad (ICCV '23)	71.3	73.0	37.7	77.8	78.7	86.1	92.2	95.0	94.8	63.9	80.5	77.4
	CLIP-LoRA (Ours)	72.3	74.7	45.7	89.7	82.1	83.1	91.7	96.3	95.6	67.5	84.1	80.3
16	CoOp (4) (ICV '22)	71.5	74.6	40.1	83.5	79.1	85.1	92.4	96.4	95.5	69.2	81.9	79.0
	CoOp (16) (ICV '22)	71.9	74.9	43.2	85.0	82.9	84.2	92.0	96.8	95.8	69.7	83.1	80.0
	CoCoOp (CVPR '22)	71.1	72.6	33.3	73.6	72.3	87.4	<u>93.4</u>	89.1	95.1	63.7	77.2	75.4
	TIP-Adapter-F (ECCV '22)	<u>73.4</u>	<u>76.0</u>	44.6	85.9	82.3	86.8	92.6	96.2	95.7	70.8	83.9	80.7
	CLIP-Adapter (ICV '23)	69.8	<u>74.2</u>	34.2	71.4	74.0	87.1	92.3	92.9	94.9	59.4	80.2	75.5
	PLOT++ (ICLR '23)	72.6	<u>76.0</u>	<u>46.7</u>	<u>92.0</u>	<u>84.6</u>	87.1	93.6	<u>97.6</u>	<u>96.0</u>	71.4	<u>85.3</u>	<u>82.1</u>
	KgCoOp (CVPR '23)	70.4	73.3	36.5	76.2	74.8	<u>87.2</u>	93.2	93.4	95.2	68.7	81.7	77.3
	TaskRes (CVPR '23)	73.0	76.1	44.9	82.7	83.5	86.9	92.4	97.5	95.8	71.5	84.0	80.8
	MaPLe (CVPR '23)	71.9	74.5	36.8	87.5	74.3	87.4	93.2	94.2	95.4	68.4	81.4	78.6
	ProGrad (ICCV '23)	72.1	75.1	43.0	83.6	82.9	85.8	92.8	96.6	95.9	68.8	82.7	79.9
	CLIP-LoRA (Ours)	73.6	76.1	54.7	92.1	86.3	84.2	92.4	98.0	96.4	72.0	86.7	83.0

Table 4. Detailed results for the 11 datasets with ViT-B/32 as backbone. Top-1 accuracy averaged over 3 random seeds is reported. Highest value is highlighted in **bold**, and the second highest is underlined.

Shots	Method	ImageNet	SUN	Aircraft	EuroSAT	Cars	Food	Pets	Flowers	Caltech	DTD	UCF	Average
0	CLIP (ICML'21)	61.9	62.0	19.3	45.1	60.4	80.5	87.5	67.0	91.1	42.6	62.2	61.8
1	CoOp (4) (ICV'22)	62.7	64.8	18.7	49.3	60.5	74.4	87.7	68.0	91.5	47.1	66.5	62.8
	CoOp (16) (ICV'22)	60.8	63.3	15.7	52.9	59.6	75.9	87.6	71.5	91.7	47.2	66.3	63.0
	CoCoOp (CVPR'22)	64.3	65.6	15.5	46.7	60.4	79.5	88.2	68.6	92.2	45.7	67.3	63.1
	TIP-Adapter-F (ECCV'22)	64.5	65.4	22.2	59.7	61.1	80.4	87.5	81.1	92.4	50.9	66.5	66.5
	CLIP-Adapter (ICV'23)	63.2	63.2	19.8	46.9	60.7	<u>80.6</u>	87.6	66.7	91.6	44.1	62.9	62.5
	PLOT++ (ICLR'23)	60.9	64.5	22.0	67.3	<u>61.4</u>	79.2	89.4	73.7	93.0	50.6	<u>69.7</u>	<u>66.5</u>
	KgCoOp (CVPR'23)	63.9	65.7	20.9	55.4	61.2	80.7	88.6	68.1	92.2	50.2	66.8	64.9
	TaskRes (CVPR'23)	<u>64.6</u>	62.0	20.9	60.1	59.6	74.6	84.3	75.2	88.8	50.1	64.3	64.0
	MaPLe (CVPR'23)	<u>64.6</u>	<u>66.9</u>	13.7	32.3	60.1	79.7	87.6	68.7	92.0	44.5	66.4	61.5
	ProGrad (ICCV'23)	62.0	64.9	21.2	52.8	60.6	78.1	87.9	74.9	91.6	51.0	66.5	64.7
	CLIP-LoRA (Ours)	65.2	67.6	22.9	<u>67.1</u>	63.5	78.4	<u>88.7</u>	<u>77.4</u>	93.0	49.8	72.3	67.8
2	CoOp (4) (ICV'22)	63.3	65.6	20.8	56.5	62.1	74.2	86.6	77.1	91.5	49.4	71.5	65.3
	CoOp (16) (ICV'22)	61.3	63.8	18.6	62.4	62.3	73.3	85.8	82.0	91.2	49.6	70.4	65.5
	CoCoOp (CVPR'22)	64.8	66.8	15.4	51.7	61.1	80.8	88.7	70.0	92.7	50.3	70.0	64.8
	TIP-Adapter-F (ECCV'22)	64.9	66.8	24.6	67.4	63.7	80.8	88.2	85.5	92.8	<u>54.9</u>	71.8	<u>69.2</u>
	CLIP-Adapter (ICV'23)	63.4	64.8	20.9	50.1	61.5	<u>81.0</u>	87.9	67.1	91.4	44.9	65.9	63.5
	PLOT++ (ICLR'23)	62.6	65.5	23.1	<u>73.0</u>	<u>64.7</u>	77.0	87.4	84.3	92.9	52.8	<u>72.6</u>	68.7
	KgCoOp (CVPR'23)	64.2	67.5	21.7	58.5	62.4	81.1	88.8	73.7	92.8	53.1	69.2	66.6
	TaskRes (CVPR'23)	<u>65.2</u>	64.4	22.4	64.8	62.8	75.9	85.2	78.0	89.9	53.6	67.8	66.4
	MaPLe (CVPR'23)	<u>65.2</u>	<u>67.6</u>	20.5	46.9	61.9	80.7	89.3	71.6	<u>93.0</u>	49.7	71.0	65.2
	ProGrad (ICCV'23)	63.7	67.5	22.3	56.7	64.0	78.3	87.0	82.2	92.4	52.1	71.4	67.1
	CLIP-LoRA (Ours)	65.7	68.6	<u>24.1</u>	80.8	64.8	76.3	86.6	<u>84.7</u>	93.7	57.4	75.4	70.7
4	CoOp (4) (ICV'22)	64.8	68.2	22.1	62.1	65.2	76.5	<u>90.1</u>	84.1	93.1	55.3	73.5	68.6
	CoOp (16) (ICV'22)	63.2	67.1	24.0	68.7	66.2	75.6	88.8	87.9	93.0	55.3	75.0	69.5
	CoCoOp (CVPR'22)	65.2	67.8	17.3	58.5	62.0	81.1	89.8	74.6	93.2	52.3	71.6	66.7
	TIP-Adapter-F (ECCV'22)	<u>65.8</u>	68.3	28.8	71.5	67.6	80.9	88.6	88.9	94.6	<u>58.0</u>	75.1	71.6
	CLIP-Adapter (ICV'23)	63.7	65.6	21.3	49.9	62.2	<u>81.3</u>	88.4	68.3	92.0	47.2	67.3	64.3
	PLOT++ (ICLR'23)	64.6	69.2	26.2	<u>81.6</u>	68.5	77.8	89.1	90.2	93.9	57.2	<u>75.6</u>	<u>72.2</u>
	KgCoOp (CVPR'23)	64.7	69.2	22.6	64.9	63.2	81.2	89.5	76.8	93.8	55.1	71.6	68.4
	TaskRes (CVPR'23)	66.1	66.7	23.1	70.7	66.7	76.7	86.7	79.0	90.6	57.0	68.2	68.3
	MaPLe (CVPR'23)	65.6	69.4	23.4	64.7	62.2	81.4	90.5	78.1	94.0	55.0	70.9	68.7
	ProGrad (ICCV'23)	65.2	<u>69.6</u>	24.8	63.7	66.4	79.2	89.4	87.5	93.2	55.9	73.4	69.8
	CLIP-LoRA (Ours)	66.5	70.3	<u>27.7</u>	85.6	<u>68.3</u>	75.6	86.3	<u>90.1</u>	<u>94.3</u>	60.3	76.5	72.9
8	CoOp (4) (ICV'22)	65.8	70.0	28.0	72.8	69.0	77.2	89.5	90.2	93.8	60.8	77.1	72.2
	CoOp (16) (ICV'22)	65.5	69.2	29.1	76.4	71.3	76.3	87.4	92.7	93.8	61.7	76.5	72.7
	CoCoOp (CVPR'22)	65.8	68.9	20.3	58.1	63.4	81.6	90.1	77.3	93.8	57.4	72.4	68.1
	TIP-Adapter-F (ECCV'22)	66.8	71.2	<u>32.1</u>	75.0	72.6	81.3	89.8	90.4	<u>94.5</u>	63.6	78.0	74.1
	CLIP-Adapter (ICV'23)	64.2	69.3	23.5	55.2	65.4	81.5	89.3	78.0	93.9	50.8	73.0	67.6
	PLOT++ (ICLR'23)	66.2	71.0	31.7	<u>87.1</u>	73.5	78.2	88.4	93.8	94.4	62.9	<u>79.1</u>	<u>75.1</u>
	KgCoOp (CVPR'23)	65.1	69.5	24.7	66.2	65.0	<u>81.7</u>	<u>90.3</u>	83.1	<u>94.5</u>	61.1	74.7	70.5
	TaskRes (CVPR'23)	67.4	<u>71.9</u>	31.9	74.9	<u>73.8</u>	80.6	89.1	<u>93.5</u>	94.8	64.5	78.4	74.6
	MaPLe (CVPR'23)	66.3	70.3	25.4	79.0	63.7	81.9	90.9	81.1	94.4	59.8	75.0	71.6
	ProGrad (ICCV'23)	66.1	71.1	29.0	73.5	71.8	80.0	89.1	92.1	94.2	62.3	75.7	73.2
	CLIP-LoRA (Ours)	<u>67.2</u>	72.1	36.1	88.8	74.4	76.7	87.7	92.4	94.8	<u>63.7</u>	80.1	75.8
16	CoOp (4) (ICV'22)	66.7	72.1	31.1	80.6	71.7	79.8	89.4	93.1	95.0	64.3	78.2	74.7
	CoOp (16) (ICV'22)	66.8	72.2	32.9	83.3	76.0	78.6	88.7	95.4	94.9	65.3	78.6	75.7
	CoCoOp (CVPR'22)	66.0	69.8	22.6	70.4	64.6	<u>81.9</u>	<u>91.0</u>	82.5	94.3	59.7	75.3	70.7
	TIP-Adapter-F (ECCV'22)	68.4	74.1	34.8	83.4	77.0	81.7	90.4	94.3	95.1	68.0	80.5	77.1
	CLIP-Adapter (ICV'23)	64.9	71.8	26.7	64.7	68.9	<u>81.9</u>	90.1	88.7	94.8	58.1	76.5	71.6
	PLOT++ (ICLR'23)	67.4	73.4	36.3	<u>91.1</u>	77.4	79.7	89.1	96.3	94.9	67.0	<u>81.5</u>	<u>77.6</u>
	KgCoOp (CVPR'23)	65.4	71.0	23.7	70.1	67.3	81.7	90.8	86.1	94.4	65.1	77.5	72.1
	TaskRes (CVPR'23)	<u>68.2</u>	73.6	<u>37.0</u>	77.7	<u>78.0</u>	81.4	89.4	95.5	95.7	68.3	80.6	76.9
	MaPLe (CVPR'23)	66.7	72.0	28.0	83.3	66.9	82.1	91.7	89.0	95.1	63.4	77.3	74.1
	ProGrad (ICCV'23)	66.9	73.2	33.3	81.0	76.1	80.1	89.3	95.1	95.0	65.8	79.6	75.9
	CLIP-LoRA (Ours)	68.4	<u>74.0</u>	44.9	91.8	79.7	78.2	88.8	<u>96.2</u>	<u>95.2</u>	<u>68.2</u>	82.8	78.9

Table 5. Detailed results for the 11 datasets with ViT-L/14 as backbone. Top-1 accuracy averaged over 3 random seeds is reported. Highest value is highlighted in **bold**, and the second highest is underlined.

Shots	Method	ImageNet	SUN	Aircraft	EuroSAT	Cars	Food	Pets	Flowers	Caltech	DTD	UCF	Average
0	CLIP (ICML'21)	72.9	67.6	32.6	58.0	76.8	91.0	93.6	79.4	94.9	53.6	74.2	72.2
1	CoOp (4) (ICV'22)	73.9	70.9	35.8	64.3	78.8	89.3	93.0	86.5	93.8	58.0	77.4	74.7
	CoOp (16) (ICV'22)	71.5	68.9	36.9	68.3	78.6	89.0	94.0	87.2	94.9	58.5	78.5	75.1
	CoCoOp (CVPR'22)	76.0	72.1	36.5	65.0	78.8	<u>90.8</u>	94.7	83.0	95.7	57.5	78.5	75.3
	TIP-Adapter-F (ECCV'22)	76.4	71.0	38.5	67.8	79.2	91.0	93.2	<u>90.9</u>	95.3	59.3	77.9	76.4
	CLIP-Adapter (ICV'23)	74.6	69.3	32.9	60.1	77.2	91.0	93.6	79.5	94.9	53.7	74.7	72.9
	PLOT++ (ICLR'23)	73.7	71.1	35.2	<u>72.4</u>	78.9	89.4	93.6	85.0	<u>95.6</u>	58.9	<u>80.7</u>	75.9
	KgCoOp (CVPR'23)	75.5	72.2	35.9	69.5	77.9	91.0	94.1	82.2	95.5	61.2	77.7	75.7
	TaskRes (CVPR'23)	76.2	71.4	<u>39.7</u>	70.6	<u>79.8</u>	89.9	93.5	87.6	94.6	<u>59.8</u>	77.4	76.4
	MaPLe (CVPR'23)	<u>76.5</u>	<u>73.3</u>	37.4	61.2	79.1	90.2	94.4	83.6	95.2	58.4	78.5	75.3
	ProGrad (ICCV'23)	73.6	71.1	38.3	70.8	<u>79.8</u>	90.5	<u>94.5</u>	88.8	95.5	58.5	80.1	76.5
	CLIP-LoRA (Ours)	76.7	74.3	41.2	73.7	80.7	90.5	94.2	91.2	95.7	61.2	82.4	78.3
2	CoOp (4) (ICV'22)	74.6	70.7	38.4	71.4	81.0	89.5	93.7	92.7	95.6	60.8	81.1	77.2
	CoOp (16) (ICV'22)	73.1	69.3	38.8	72.7	81.2	89.4	93.5	93.5	95.0	59.2	80.0	76.9
	CoCoOp (CVPR'22)	76.3	73.0	38.9	72.5	79.7	<u>91.2</u>	94.4	87.1	96.2	60.7	80.8	77.3
	TIP-Adapter-F (ECCV'22)	76.6	72.6	<u>42.2</u>	76.7	80.4	91.1	93.8	<u>93.8</u>	95.5	60.3	80.4	<u>78.5</u>
	CLIP-Adapter (ICV'23)	74.9	71.0	34.0	61.9	78.1	<u>91.2</u>	93.6	79.8	95.2	55.6	76.1	73.8
	PLOT++ (ICLR'23)	75.0	71.4	40.6	<u>76.8</u>	80.7	89.6	93.5	93.6	<u>96.7</u>	<u>65.0</u>	80.3	<u>78.5</u>
	KgCoOp (CVPR'23)	76.0	73.9	38.1	76.5	79.3	91.4	<u>94.3</u>	83.6	96.1	63.3	78.9	77.4
	TaskRes (CVPR'23)	76.6	73.1	42.0	74.4	<u>81.7</u>	90.6	93.8	89.8	95.7	62.5	79.2	78.1
	MaPLe (CVPR'23)	<u>76.9</u>	<u>74.9</u>	38.3	70.9	79.2	<u>91.2</u>	94.2	87.7	96.4	61.3	<u>81.3</u>	77.5
	ProGrad (ICCV'23)	75.1	72.6	41.1	73.7	82.3	90.6	94.1	<u>93.8</u>	96.1	61.5	81.1	78.4
	CLIP-LoRA (Ours)	77.3	75.5	42.4	85.9	82.3	89.8	93.2	94.7	96.8	67.3	84.2	80.9
4	CoOp (4) (ICV'22)	76.0	73.7	41.8	77.9	82.6	88.8	94.7	94.9	96.1	64.3	83.6	79.5
	CoOp (16) (ICV'22)	74.9	73.1	43.6	75.9	83.3	88.7	94.6	<u>95.9</u>	96.5	63.9	82.8	79.4
	CoCoOp (CVPR'22)	77.0	74.7	41.0	74.7	79.7	<u>91.3</u>	<u>94.9</u>	89.8	<u>97.1</u>	64.9	82.6	78.9
	TIP-Adapter-F (ECCV'22)	77.1	74.1	<u>47.4</u>	<u>81.4</u>	82.3	91.2	94.0	95.5	96.5	64.4	<u>83.9</u>	<u>80.7</u>
	CLIP-Adapter (ICV'23)	75.2	72.1	35.8	61.3	78.8	91.2	93.7	81.7	95.6	57.9	77.9	74.7
	PLOT++ (ICLR'23)	76.4	75.2	43.2	81.3	82.6	<u>87.7</u>	94.2	<u>95.9</u>	96.9	<u>66.8</u>	83.8	80.4
	KgCoOp (CVPR'23)	76.4	75.2	40.6	79.5	80.0	91.5	94.4	90.2	96.9	66.3	83.4	79.5
	TaskRes (CVPR'23)	77.1	74.9	42.5	76.6	83.6	90.7	94.4	90.3	96.5	65.4	80.1	79.3
	MaPLe (CVPR'23)	<u>77.2</u>	<u>76.0</u>	40.4	74.6	80.3	91.5	95.0	93.2	97.0	64.5	82.8	79.3
	ProGrad (ICCV'23)	76.5	75.0	44.6	79.3	<u>83.8</u>	90.6	94.8	95.6	96.8	66.3	83.6	80.6
	CLIP-LoRA (Ours)	77.9	76.7	48.9	86.4	85.2	89.6	93.9	97.4	97.2	70.4	86.4	82.7
8	CoOp (4) (ICV'22)	77.2	75.5	48.7	81.4	85.9	89.2	94.5	97.5	96.5	68.8	86.0	81.9
	CoOp (16) (ICV'22)	76.8	75.0	<u>51.2</u>	82.8	<u>86.4</u>	88.6	94.0	98.0	96.7	69.4	85.1	82.2
	CoCoOp (CVPR'22)	77.4	75.6	43.3	77.0	81.4	91.6	95.3	93.0	<u>97.0</u>	67.9	84.5	80.4
	TIP-Adapter-F (ECCV'22)	77.8	76.7	50.4	84.9	85.9	<u>91.4</u>	94.1	97.3	96.9	<u>71.2</u>	<u>86.2</u>	<u>83.0</u>
	CLIP-Adapter (ICV'23)	75.7	75.9	40.7	67.9	81.6	<u>91.4</u>	94.3	92.3	96.8	63.8	82.8	78.5
	PLOT++ (ICLR'23)	77.8	77.0	43.2	<u>87.0</u>	84.6	89.6	93.3	96.3	96.8	69.5	84.8	81.8
	KgCoOp (CVPR'23)	76.7	76.2	45.9	82.1	82.3	91.6	<u>95.1</u>	95.2	97.3	70.8	85.7	81.7
	TaskRes (CVPR'23)	77.9	76.0	51.1	81.1	85.7	91.1	94.5	96.7	96.9	69.4	85.6	82.4
	MaPLe (CVPR'23)	<u>78.0</u>	<u>77.2</u>	42.9	80.7	81.8	90.1	95.0	95.8	96.8	69.5	85.1	81.2
	ProGrad (ICCV'23)	77.7	76.1	49.9	83.6	86.2	90.8	<u>95.1</u>	<u>97.8</u>	96.7	69.9	85.4	82.7
	CLIP-LoRA (Ours)	78.5	78.0	57.5	90.0	88.7	89.7	94.2	98.0	<u>97.0</u>	72.2	88.3	84.7
16	CoOp (4) (ICV'22)	78.1	77.9	53.0	86.7	87.4	90.2	94.5	98.6	97.5	73.7	86.7	84.0
	CoOp (16) (ICV'22)	78.2	77.5	55.2	88.3	<u>89.0</u>	89.8	94.6	99.1	97.2	74.4	87.3	84.6
	CoCoOp (CVPR'22)	77.8	76.7	45.2	79.8	82.7	<u>91.9</u>	95.4	95.3	<u>97.4</u>	71.4	85.2	81.7
	TIP-Adapter-F (ECCV'22)	<u>79.3</u>	79.6	<u>55.8</u>	86.1	88.1	91.6	94.6	98.3	97.5	74.0	87.4	84.8
	CLIP-Adapter (ICV'23)	76.4	78.0	46.4	75.8	83.8	91.6	94.3	97.3	97.3	71.3	86.1	81.7
	PLOT++ (ICLR'23)	78.6	79.1	44.1	<u>92.2</u>	87.2	90.2	93.6	98.8	97.5	<u>75.0</u>	87.1	83.9
	KgCoOp (CVPR'23)	76.8	76.7	47.5	<u>83.6</u>	83.2	91.7	<u>95.3</u>	96.4	<u>97.4</u>	73.6	86.4	82.6
	TaskRes (CVPR'23)	78.1	76.9	55.0	84.3	87.6	91.5	94.7	97.8	97.3	74.4	86.6	84.0
	MaPLe (CVPR'23)	78.4	78.8	46.3	85.4	83.6	92.0	95.4	97.4	97.2	72.7	86.5	83.1
	ProGrad (ICCV'23)	78.4	78.3	55.6	89.3	88.8	90.8	94.9	98.7	97.5	73.7	<u>87.7</u>	<u>84.9</u>
	CLIP-LoRA (Ours)	79.6	<u>79.4</u>	66.2	93.1	90.9	89.9	94.3	<u>99.0</u>	97.3	76.5	89.9	86.9